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TEST REPORT

CHINA HARBOUR ENGINEERING CO. LTD.

DELIVERY OF RECLAMATION MATERIAL TO MAINLAND – ENVIRONMENTAL MONITORING AND AUDIT (CONTRACT NO.: CV/2005/01)

TSEUNG KWAN O AREA 137 FILL BANK

MONTHLY EM&A REPORT

(MAY 2008)

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Issue Date: 07 June 2008 *Report No.: ENA80516*

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Priority	☐ normal / ☐ urgent		
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Attn.	Mr C. L. Lau / Ms Linda Law	Date	13 June 2008
From	Mr Joseph Poon	No. of Pages	1 (incl. this page)
C.c. To	Mr P. Y. Lu / Mr W. T. Chau (CEDD)	Fax No.	2714 0113
	Mr William Chan / Mr Albus Cheung (CHEC)	Fax No.	2247 4108
Subject	**Agreement No. CE 9/2005 (EP)** **Tseung Kwan O Area 137 Fill Bank –** **Monthly Environmental Monitoring & Audit Report for May 2008**		

We refer to the revised 18th Monthly EM&A Report for May 2008 that we received through email on 11 June 2008 and are pleased to confirm we have no further comment on the report.

Should you require further information, please feel free to contact us.

Best regards,

Joseph Poon
Independent Environmental Checker

JP/cwl

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EXECUTIVE SUMMARY

This monthly Environmental Monitoring and Audit (EM&A) report No.18 was prepared by ETS-Testconsult Ltd (ET) for the "Contract No. CV/2005/01 Delivery of Reclamation Material to Mainland – Tseung Kwan O Area 137 Fill Bank" (The Project).

This report documented the findings of EM&A Works conducted during the operation phase of Fill Bank at Tseung Kwan O Area 137 in May 2008.

Construction Progress

As informed by the Contractor, the construction activities in this reporting month were as below:

- *Operation at the queuing area for public truck lorries*
- *Delivery of public fill received at the QB Temporary Public Fill Barging Point to TKO fill bank.*
- *Maintenance of haul road within fill bank area.*
- *Operation of the crushing plant*
- *Removal & delivery of public fill stockpiled material to Mainland*
- *Operation of the tipping hall (A1, A2 & A3)*
- *Operation of the road water lorries and the road sweeper*

Environmental Monitoring Progress

The summary of the monitoring activities in this monitoring month is listed below:

- *Noise Monitoring (Day-time): 1 Occasion at 1 designated location*
- *24-hour TSP Monitoring: 5 Occasions at 2 designated locations*
- *1-hour TSP Monitoring: 16 Occasions at 2 designated locations*
- *Marine Water Quality Monitoring: 12 Occasions at 2 designated locations*
- *Weekly-site inspection: 4 Occasions*

Noise Monitoring

No exceedances of Action and Limit levels for noise monitoring were recorded in the reporting month.

Air Monitoring

No exceedances of Action and Limit levels were recorded for 24-hr and 1-hr TSP monitoring in the reporting month.

Marine Water Quality Monitoring

No exceedances of Action and Limit levels were recorded for water quality monitoring in the reporting month.

Site Inspection

Environmental site inspections conducted in this reporting month are presented as follows:

Concerned Parties	*Dates of Audit / Inspection*
ET Weekly site inspection	*06, 16, 22, 28*
IEC site inspection	*16, 28*

In general, performance on environmental mitigation measures implemented was found to be satisfactory in this reporting month. The major findings observed during site inspections are presented in the Section 7.0.

Landscape and Visual

The germination rate on the panels was satisfactory in this reporting month. The Contractor should properly maintain the hydroseeded panels.

Environmental Complaints, Notification of summons and successful prosecutions

No complaints, notification of summons and prosecutions with respect to environmental issues were received in this monitoring month.

Future Key Issues

Based on the site inspections and forecast of engineering works in the coming month, key issues to be considered are as follows:

- *Noise and air quality impact due to construction works;*
- *Maintain wheel washing facilities properly;*
- *Maintain all drainage and desilting facilities properly;*
- *Use and maintain silt curtain properly;*
- *Clean up the fill material on concrete pavement along the BHA frequently;*
- *Watering, hydroseeding or covering all opening slopes and stockpiles with tarpaulin to avoid wind and water erosion;*
- *Sufficient drip trays for all oil drums / chemical containers;*
- *Implement all necessary preventive measures to avoid oil leakage. In the event an oil leakage happens, the Contractor should properly remove the leaked oil and handle the contaminated soil and all materials using for this cleaning works as chemical waste;*
- *Maintain good site practice and waste management to minimize environmental impacts at the site; and*
- *Follow-up improvements on waste management issues.*

1.0 INTRODUCTION

China Harbour Engineering Company Limited (CHEC) appointed Environmental Team (ET) of ETS-Testconsult Limited (ETL) to undertake the Environmental Monitoring and Audit (EM&A) for the "Contract No. CV/2005/01 Delivery of reclamation material to mainland – Tseung Kwan O Area 137 Fill Bank" (The Project).

In accordance with the Environmental Permit (No.: EP-134/2002/F) (the EP), an EM&A programme should be implemented in accordance with the procedures and requirements in the EM&A Manual of the approved EIA report (Registration No. AEIAR-060/2002). The EM&A programme for this study as stated in Section 2.3.1 of the EM&A Manual covers the following environmental aspects during the establishment, operation and removal phases of the Fill Bank at Tseung Kwan O Area 137:

- *Fugitive Dust;*
- *Noise generation from onsite activities;*
- *Water Quality; and*
- *Landscape and Visual.*

The EM&A programme requires environmental monitoring for air quality, noise and water quality and environmental site inspections for air quality, noise, water quality, landscape and visual, and waste management. The EM&A requirements for each parameter described in the following sections include:

- *All monitoring parameters;*
- *Monitoring schedules for the reporting month and forthcoming months;*
- *Action and Limit levels for all environmental parameters;*
- *Event/Action Plans;*
- *Environmental mitigation measures, as recommended in the Project EIA study final report; and*
- *Environmental requirements in contract documents.*

Baseline monitoring was completed in August and September 2002 by MateriaLab. Action and Limit Levels were established for air and water quality parameters based on the baseline monitoring results.

This report documented the findings of EM&A Works conducted during the operation phase of Fill Bank at Tseung Kwan O Area 137 in May 2008.

2.0 PROJECT INFORMATION

2.1 Scope of the Project

The scale and scope of the Project as stated in the EP include:

- Site clearance;
- Construction of a temporary storm water system;
- Stockpiling of 6 million m^3 of public fill;
- Setting up two barging points: one at the Tseung Kwan O Basin (TKO Basin) and one at the Construction and Demolition Material Sorting Facility (C&DMSF) for transporting the stockpiled public fill by barges;
- Setting up a temporary barging point at the existing Explosive Off-loading Barging Point located in the south-eastern part of Area 137 for the period of May 2004 to December 2004 for transporting the stockpiled public fill by barge;
- Construction and operation of a Construction and Demolition Material Sorting Facility (C&DMSF);
- Setting up a Construction and Demolition Material Crushing Facility at the TKO Basin; and
- Remove the temporary fill bank.

2.2 Site Description

Tseung Kwan O Area 137 is located at the southern end of Wan Po Road. In the vicinity of the site are other industrial uses such as SENT landfill, TKO Industrial Estate, etc. Both Island Resort and Fullview Garden are also situated at more than 1.8km from the site. Other existing ASRs and NSRs, including resident developments and schools, are located at a further distance away from TKO Area 137.

2.3 Construction Programme

Details of construction programme are shown in Appendix G.

2.4 Project Organization and Management Structure

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

2.5 Contact Details of Key Personnel

The key personnel contact names and telephone numbers are shown in Table 2.1.

Table 2.1 Contact Details of Key Personnel

Organization	*Name of Key Staff*	*Project Role*	*Tel. No.*	*Fax No.*
CEDD	*Mr. W T CHAU* *Mr. H C TANG* *Mr. P Y LU*	*Engineer's Representative*	*2760 5835*	*2714 0113*
IEC (Materialab)	*Mr Joseph POON*	*IEC*	*2450 8238*	*2450 6138*
Contractor (CHEC)	*Mr. William CHAN*	*Contractor's Agent*	*9772 7055*	*2243 4089*
ET (ETL)	*Mr C. L. Lau*	*ET Leader*	*2946 7791*	*2695 3944*

3.0 CONSTRUCTION PROGRESS IN THIS REPORTING MONTH

As informed by the Contractor, the activities in the reporting month include:

- *Operation at the queuing area for public truck lorries*
- *Delivery of public fill received at the QB Temporary Public Fill Barging Point to TKO fill bank.*
- *Maintenance of haul road within fill bank area.*
- *Operation of the crushing plant*
- *Removal & delivery of public fill stockpiled material to Mainland*
- *Operation of the tipping hall (A1, A2 & A3)*
- *Operation of the road water lorries and the road sweeper*

4.0 AIR QUALITY MONITORING

4.1 Monitoring Requirement

TSP levels were monitored in the reporting month in accordance with the EM&A Manual. Table 4.5 shows the Action and Limit Levels for the environmental monitoring works.

4.2 Monitoring Equipment

Both 1-hour and 24-hour TSP air quality monitoring was performed using a GMWS2310 High Volume Air Sampler (HVS) located at each of the designated monitoring station. Table 4.1 summarizes the equipment used in the air quality monitoring programme. A copy of the calibration certificates for the HVS and calibrator are attached in Appendix B1.

Table 4.1 Air Quality Monitoring Equipment

Equipment	*Model and Make*
HVS	*Greasby GMWS2310*
Calibrator	*Tisch TE-5025A*
Wind Data Logger	*Davis Weather Monitor II*

4.3 Monitoring Parameters, Frequency and Duration

Table 4.2 summarizes the monitoring parameters, monitoring duration and frequencies of air quality monitoring.

Table 4.2 Monitoring parameters, duration, frequency of air quality monitoring

Parameter	*Duration*	*Frequency*
24-hr TSP	*24 hr*	*Once every six days*
1-hr TSP	*1 hr*	*Three times per day every six days*

4.4 Monitoring Locations

Table 4.3 tabulates the air quality monitoring locations of this project.

Table 4.3 Air quality monitoring locations

Monitoring station	*Location*
TKO-A1	*Outside CEDD Site Office*
TKO-A2	*Site Egress*

4.5 Monitoring Methodology

Both 1-hr and 24-hr air quality monitoring (High Volume Sampler)

Instrumentation

High volume sampler, as HVS, (Greasby GMWS2310) complete with appropriate sampling inlets were employed for both 1-hour and 24-hour TSP monitoring. The sampler is composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complies with that required by USEPA standard Title 40, Code of Federation Regulations Chapter 1 (Part 50).

Installation

The installation of HVS refers to the requirement stated in EM&A Manual.

Operation/Analytical Procedures

Operating/analytical procedures for the operation of HVS are as below:

- Prior to the commencement of the dust sampling, the flow rate of the high volume sampler was properly set (between 0.6m^3/min and 1.7m^3/min.) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50. The flow rate was indicated on the flow rate chart.
- For TSP sampling, fiberglass filters (GA-55) were used.
- The power supply was checked to ensure the sampler worked properly.
- On sampling, the sampler was operated 5 minutes to establish thermal equilibrium before placing any filter media at designated air monitoring station.
- The filter holding frame was then removed by loosening the four nuts and carefully a weighted and conditioned filter was centered with the stamped number upwards, on a supporting screen.
- The filter was aligned on the screen so that the gasket formed an air-tight seal on the outer edges of the filter. Then the filter holder frame was tightened to the filter holder with swing bolts. The applied pressure should be sufficient to avoid air leakage at the edges.
- The programmable timer will be set for a sampling period of 1 hour or 24 hours. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number.).
- After sampling, the filter was transferred from the filter holder of the HVS to a sealed plastic bag and sent to the laboratory for weighting. The elapsed time was also recoded.

- Before weighting, all filters were equilibrated in a desiccator for 24 hour with the temperature of 25°C ± 3°C and the relative humidity (RH) <50% ±5%.
- All measurement procedures in Section 2.3 of the EM&A Manual were followed during the reporting month.

Maintenance & Calibration

- The HVS and their accessories should be maintained in good working condition, such as replacing motor brushes routinely and checking electrical wiring to ensure a continuous power supply.
- HVS should be calibrated at bi-monthly intervals.

Wind Data Monitoring

Measuring Procedure

Upon installation of the wind data logger on site, temperature, wind speed and direction was automatically stored in the logger. Regular downloading of the information was carried out weekly.

Maintenance

Cleaning was provided for all the rotational parts of the wind data logger regularly. Replacement of battery was carried out weekly. The wind data logger was checked once per week and no calibration was required for the equipment as instructed by the manufacturer.

4.6 Action and Limit Levels

Table 4.4 shows the Action and Limit levels for 24-hr TSP and 1-hr TSP monitoring.

Table 4.4 Action and Limit Levels for 24-hr TSP and 1-hr TSP

Monitoring Location	*24-hr TSP ($\mu g/m^3$)*		*1-hr TSP ($\mu g/m^3$)*	
	Action Level	*Limit Level*	*Action Level*	*Limit Level*
TKO-A1	*210*	*260*	*376*	*500*
TKO-A2	*210*	*260*	*376*	*500*

4.7 Event-Action Plans

Please refer to Appendix F for details.

4.8 Results and Observation

4.8.1 1-hour and 24-hour TSP Monitoring results

Monitoring data of both 1-hour and 24-hour TSP monitoring carried out in this reporting month are summarized in Appendix B2. Graphical presentation of 1-hour and 24-hour TSP monitoring results for the reporting month is shown in Appendix B3. Wind data, including wind speed and wind direction, are annexed in Appendix E. Table 4.5 summarizes 1-hr TSP and 24-hr TSP monitoring results.

Table 4.5 Summary of 1-hr TSP and 24-hr TSP Monitoring Results

Air quality monitoring Stations	Location	Monitoring Period						
		24-hr TSP			1-hr TSP			
		Date	Result ($\mu g/m^3$)	Exceedance #	Date	Start Time	Result ($\mu g/m^3$)	Exceedance #
TKO-A1	Outside CEDD Site Office	06/05/08	146	X	02/05/08	10:10	194	X
					05/05/08	09:00	286	X
					06/05/08	09:00	298	X
		10/05/08	149	X	07/05/08	10:30	308	X
					09/05/08	11:00	293	X
					10/05/08	10:30	307	X
		16/05/08	150	X	13/05/08	09:00	307	X
					14/05/08	09:00	296	X
					16/05/08	09:00	308	X
		22/05/08	147	X	19/05/08	09:00	290	X
					21/05/08	10:30	303	X
					22/05/08	09:00	284	X
		28/05/08	137	X	23/05/08	10:40	308	X
					26/05/08	09:00	299	X
					28/05/08	09:30	309	X
		---	---	---	30/05/08	09:00	281	X
					---	---	---	---
					---	---	---	---
TKO-A2	Site Egress	06/05/08	160	X	02/05/08	10:17	290	X
					05/05/08	09:00	311	X
					06/05/08	09:00	330	X
		10/05/08	159	X	07/05/08	10:35	309	X
					09/05/08	10:50	296	X
					10/05/08	10:40	305	X
		16/05/08	162	X	13/05/08	09:00	271	X
					14/05/08	09:00	301	X
					16/05/08	09:00	284	X
		22/05/08	177	X	19/05/08	09:00	260	X
					21/05/08	10:35	301	X
					22/05/08	09:00	305	X
		28/05/08	128	X	23/05/08	10:28	233	X
					26/05/08	09:00	237	X
					28/05/08	09:38	229	X
		---	---	---	30/05/08	09:00	258	X
					---	---	---	---
					---	---	---	---

Remark (#): L=Limit Level exceedance, A=Action Level exceedance and X=not an exceedance

No exceedances of Action and Limit Level of both 1-hour and 24-hour TSP monitoring results were recorded during the reporting month.

4.8.2 Observation

Generally, the Contractor implemented sufficient dust mitigation measures, including operation of the mist spraying systems at the CEDD Combined Reception Office and the site egress area, wheel washing facilities, road dampening by water bowsers and automatic water sprinklers on the main haul roads. Furthermore, hydroseeded slopes on the stockpiling areas was maintained properly in order to prevent dust generation from wind erosion of the exposed surfaces. Other dust sources near TKO Area 137 also included operation of the C&DMSF at the PBR2 Project site, the temporary C&DMSF at Portion K and dumping activities at the SENT Landfill.

5.0 Noise Monitoring

5.1 Monitoring Requirements

Noise monitoring was conducted at 1 monitoring station as specified in the approved EM&A Monitoring Proposal for good site practice. The equipment, parameter, frequency, duration, methodology, calibration details, results and observations of the noise monitoring for the reporting month are presented in this section.

5.2 Monitoring Equipment

An Integrating Sound Level Meter was used for noise monitoring. It was a Type 1 sound level meter capable of giving a continuous readout of the noise level reading including equivalent continuous sound pressure level (L_{eq}) and percentile sound pressure level (Lx). It complies with International Electro Technical Commission Publications 651:1979 (Type1) and 804:1985 (Type1), and speed in m/s was used to monitor the wind speed.

Table 5.1 summarizes noise monitoring equipment model being used. A copy of the calibration certificate for noise meter and calibrator are attached in Appendix C1.

Table 5.1 Noise Monitoring Equipment

Equipment	*Model*
Integrating Sound Level Meter	*Rion NL-31 Sound Level Meter*
Calibrator	*Rion NC-73 Sound Level Calibrator*
Portable Wind Speed Indicator	*TSI Model 8340-M Air Velocity Meter*

5.3 Monitoring Parameters, Duration and Frequency

Duration, frequencies and parameters of noise measurement are presented in Table 5.2.

Table 5.2 Duration, Frequencies and Parameters of Noise Monitoring

Time period	*Duration/min*	*Parameters*	*Frequency*
Day-time: 0700-1900 hrs on normal weekday	*30*	L_{eq}, L_{10}, L_{90}	*Once per month*

5.4 Monitoring Locations

One Noise monitoring was conducted at the noise monitoring location, TKO-N1 as shown in Figure 2 during the reporting month. Table 5.3 describes the location of the monitoring station.

Table 5.3 Noise Monitoring Locations

Monitoring station	*Location*	*Type of Measurement*
TKO-N1	*Outside site Egress along Wan Po Road*	*Free Field*

5.5 Monitoring Procedures and Calibration Details

Operation/Analysis Procedures

- The Sound Level Meter was set on a tripod at a height of 1.2m above the ground.
- For free field measurement, the meter was positioned away from any nearby reflective surfaces.
- The battery condition was checked to ensure the correct functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
  - *Frequency weighting: A*
  - *Time weighting : Fast*
  - *Time measurement : 30 mins*
- Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94 dB at 1000HZ. If the difference in the calibration level before and after measurement was more than 1dB(A), the measurement would be considered invalid and repeat measurement would be required after re-calibration or repair of the equipment.
- The wind speed was frequently checked with a portable wind meter.

- During the monitoring period, the Leq, L10 and L90 were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
- Free Field correction to the measurements should be made. Correction factor of +3dB(A) should be made to the free Field measurements.
- Noise monitoring would be cancelled in the presence of fog, rain, wind with a steady speed exceeding 5m/s, or wind gusts exceeding 10m/s.

Maintenance and Calibration

- The microphone head of the sound level meter and calibrator are cleaned with soft cloth in quarterly intervals.
- The meter is sent to the supplier or HOKLAS laboratory to check and calibrated in yearly intervals.

5.6 Action and Limit Levels

The Action and Limit levels for noise levels derived as illustrated in Table 5.4.

Table 5.4 Action and Limit Levels for noise monitoring

Time Period	*Time Period*	*Action*	*Limit*
Normal hours	*0700-1900 hrs on normal weekdays*	*When one documented complaint is received*	*75 dB(A)*

5.7 Event-Action Plans

Please refer to the Appendix F for details.

5.8 Results and Observation

5.8.1 Results

Only Day-time noise monitoring was carried out at monitoring station TKO-N1 in this reporting month. The detail of the noise monitoring is provided in Appendix C2. Graphical presentation of the monitoring result for the reporting month is shown in Appendix C3. A summary of the monitoring result is presented in Table 5.5.

Table 5.5 Summary of Impact Noise Level

Date	*Start Sampling Time (hh:mm)*	*Noise Level dB (A)*		
		$L_{eq(30min)}$	L_{10}	L_{90}
02/05/08	*13:15*	*69.2*	*73.0*	*67.5*

Since no documented complaints on noise issue were received in this reporting month, no Action Level exceedances were recorded. Besides, no exceedances in Limit Level were recorded according to the result from Day-time noise monitoring.

5.8.2 Observation

The major noise source during the monitoring event was the dump truck traffic. Operation of the Fill Bank was from 08:00 to 21:00 from Monday to Sunday in the reporting month. Whereas the operation hours for barge activities in the TKO Basin was from 08:00 to 23:00. The monitoring result complied with the noise limit of 75dB(A).

6.0 MARINE WATER QUALITY MONITORING

6.1 Monitoring Requirements

In accordance with the EM&A Manual, impact marine water quality monitoring was conducted three days per week. Measurements were taken at both mid-flood and mid-ebb tides at three depths (i.e. 1m below surface, mid depth and 1m from seabed) at the Control Station, C1 and Monitoring Station, M4.

6.2 Monitoring Locations

For the Reclamation Project, there were 4 Designated Monitoring Stations and 2 Designated Control Stations specified in the EM&A Manual. Upon the completion of the monitoring programme under Stage 2 reclamation works, the ET started monitoring events at the impact station M4 and the control station C1 from 18 May 2004 onwards. Figure 1 shows the location of the marine water quality monitoring stations. Table 6.1 describes the locations of the monitoring stations in the reporting month.

Table 6.1 Locations of Marine Water Monitoring Stations

Station Description	*Code*	*HK Metric Grid E*	*HK Metric Grid N*
Control Station (Ebb tide)	*TKO-C1*	*844 740.208*	*815 371.502*
Monitoring Station, Tung Lung Chau Fish Culture Zone	*TKO-M4*	*847 741.029*	*812 977.878*

6.3 Monitoring Parameters

Monitoring of the marine water quality parameters are listed in Table 6.2.

Table 6.2 Marine Water Quality Monitoring Parameters

In-situ measurement	*Laboratory analysis*
Depth (m)	*Suspended solids (mg/L)*
Temperature (℃)	
Dissolved Oxygen (mg/L and % saturation)	
Turbidity (NTU)	
Salinity (ppt)	

6.4 Monitoring Frequency

The monitoring frequency of the marine water monitoring is summarized in Table 6.3.

Table 6.3 Monitoring frequency of the marine water

Parameter	*Frequency*	*No. of Location*	*No. of Depths*
Temperate	*3 days/week, 2 tides/day*	*2 (TKO-C1 and TKO-M4)*	*3 (Surface, mid-depth & bottom)*
Salinity			
DO			
Turbidity			
Suspended solids			

6.5 Monitoring Methodology and Equipment Used

For Location of the monitoring stations

Global Positing System (GPS)
A hand-held digital GPS was used to identify the designated monitoring stations prior to water sampling.

For Water Depth measurement

Echo Sounder
A portable, battery-operated echo sounder was used for the determination of water depth at each designated monitoring station.

For In-situ Water Quality Measurement

All in-situ monitoring instruments were checked, calibrated and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme before use, and subsequently re-calibrated at 3 monthly intervals or sometimes longer throughout all stages of the water quality monitoring.

Dissolved Oxygen (DO) and temperature measuring equipment
A portable, weatherproof DO-measuring meter with built-in salinity compensation (YSI model 95) was used in the impact monitoring. It can be capable for measuring:

- a dissolved oxygen level in the range of 0-20 mg/L and 0-200 % saturation; and
- a temperature of 0-45 degree Celsius

This type of DO-measuring meter has a membrane electrode with automatic temperature compensation complete with a 50-feet cable. Wet bulb calibration for a DO meter was carried out before the start of measurement.

Turbidity Measurement Instrument
A portable and weatherproof turbidity meter (HACH model 2100P) was used during impact monitoring. It has a photoelectric sensor capable of measuring turbidity between 0-1000 NTU. Response of the sensor was checked with certified standard Turbidity solutions before the start of measurement.

Salinity Meter
A portable salinity meter capable of measuring salinity in the range 0-40 ppt (YSI Model 30M) was provided for measuring salinity of the water at each monitoring location. It was checked with standard 30 ppt Salinity solutions before the start of measurement.

For Water Sampling and Sample Analysis

In-situ monitoring was carried out at three depths: 1 meter below water surface, at mid-depth and 1 meter above the seabed. If the water depth is less than 6 m, the mid-depth station shall be omitted and if the water depth is below 3 m, only the mid depth station shall be monitored.

Water Sampler
A water sampler comprising a transparent PVC cylinder, with a capacity of not less than 2 liters, was lowered into the water body at the predetermined depth. The both opening ends of the sampler were then closed accordingly by dead weight and water samples were collected.

Water Container
The sample container, made by high-density polythene, was rinsed with a portion of the water sample. The water sample was then transferred to the container, labelled with a unique sample ID and sealed with a screw cap. The water samples were stored in a cool box maintained at 4°C. The water samples were then delivered to a local HOKLAS-accredited laboratory (Environmental Laboratory, ETS-Testconsult Ltd, HOKLAS Registration No. 022) on the same day for analysis.

The summary of testing method of testing parameter as recommended by EIA or required by EPD, with the QA/QC results in accordance with the requirement of HOKLAS or international accredited scheme is shown in Table 6.4.

Table 6.4 Summary of testing procedures

Laboratory Analysis	*Testing Procedure*	*Detection Limit*
Total suspended solids	*In house methodbased on APHA 19th ed 2540D*	*1.0 mg/L*

In-situ measurement

All in-situ monitoring instruments were checked, calibrated and certified by a laboratory accredited under HOKLAS or any other international accreditation scheme before use. Responses of sensors and electrodes were checked with certified standard solutions before each use. Wet bulb calibration for a DO meter was carried out before the start of measurement.

At each measurement/sampling depth, two consecutive measurements of dissolved oxygen (DO), dissolved oxygen saturation (DOS), turbidity and salinity were taken. For turbidity measurement, the sample was collected by using sampler and then transferred to the cell. The reading of turbidity of the sample was directly recorded from the Turbidimeter (HACH 2100P) after inserting the cell to the Turbidimeter. For DO, DOS and Salinity, duplicate measurements were performed by dropping the calibrated probes of the corresponding monitoring equipments to the designated depths of the water column and taking readings after stabilized. The duplicate measurements were averaged if the difference was not greater than 25%. If the difference is greater than 25%, repeat measurement will be required.

Table 6.5 shows the equipment used for in-situ monitoring of water quality. The calibration certificates are attached in Appendix D1.

Table 6.5 Details of Marine Water Quality Monitoring Equipment (In-site measurement)

Parameter	Model	Date of Calibration	Due Date	Equipment No.
Coordinate of Monitoring stations	MLR GPS Navigator, SP24	-----	-----	EW/005/01*
Dissolved Oxygen (Saturation), Temperature	YSI Dissolved Oxygen Meter, YSI 95	13/02/08 13/05/08	12/05/08 12/08/08	ET/EW/003/001*
Turbidity	HACH Model 2100P Turbid Meter	21/04/08	20/07/08	ET/0505/002
Salinity	YSI Model 30	21/04/08	20/07/08	ET/EW/001/01
Water Depth	EAGLE Strata 128 Sonar	-----	-----	EW/002/02

Remark:(*) indicates the instrument should be calibrated on use.

6.6 Action and Limit Level

The water quality criteria, namely Action and Limit (A/L) levels are presented in the table below.

Table 6.6 Water Quality Action and Limit Levels

Parameter	Action Level	Limit Level
DO (mg/L)	Surface & Middle <5.45 mg/L (5%-ile of baseline data) Bottom <4.72 mg/L (5%-ile of baseline data)	Surface & Middle <5.10 mg/L (1%-ile of baseline data) Bottom <2.00 mg/L
SS (mg/L) (Depth-averaged)	>6.74 mg/L (95%-ile of baseline data) or >120% of the upstream control station's SS at the same tide on the same day	>7.67 mg/L (99%-ile of baseline data) or >130% of the upstream control station's SS at the same tide on the same day
Turbidity (NTU) (Depth-averaged)	>4.28 NTU (95%-ile of Impact data) or >120% of the upstream control station's turbidity at the same tide on the same day	>4.58 NTU (99%-ile of Impact data) or >130% of the upstream control station's turbidity at the same tide on the same day

6.7 Event and Action Plan

Please refer to the Appendix F for details.

6.8 Monitoring Duration and Period in this reporting month

Below is the time schedule for the water quality monitoring events that were conducted in this reporting month:

Table 6.7 Time Schedule of Impact Marine Water Quality Monitoring

May 2008						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2 ▼	3
4	5 ▼	6	7 ▼	8	9 ▼	10
11	12 Holiday	13	14 ▼	15	16 ▼	17
18	19 ▼	20	21 ▼	22	23 ▼	24
25	26 ▼	27	28 ▼	29	30 ▼	31

Remarks: (▼) = Marine water quality monitoring carried out by ET.

The daily marine water quality monitoring duration are detailed in Appendix D2.

6.9 Marine Water Quality Monitoring Results

The impact water quality measurement results are detailed in Appendix D2. Appendix D3 presents the water quality monitoring data and graphical presentations of monitoring results respectively.

The summary of marine water quality exceedances is shown in Table 6.8.

Table 6.8 Summary of Impact Marine Water Quality Exceedances in this reporting month

Station	Exceedance Level	DO		Turbidity		SS		Total	
		Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb
TKO-C1	Action	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0
TKO-M4	Action	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0

No exceedances for water monitoring were recorded in this reporting month.

7.0 IEC SITE AUDIT AND WEEKLY ET SITE INSPECTIONS

7.1 IEC Site Audit

7.1.1 During this reporting period, the IEC team conducted one independent site audit of the Contract CV 2005/01 site (TKO Area 137 Fill Bank).

7.1.2 Findings of the site audit have been recorded on site checklists, copies of which were submitted to the Contractor for their further action as appropriate, and to the Client for their records. Key issues were highlighted to the Contractor's representative at the completion of each site audit to ensure that they were aware of the problem(s) identified and where necessary, to take immediate corrective actions. A copy of the completed checklists are appended to this report in Appendix H.

Table 7.1 Dates of IEC Site Audits in this reporting month

Date of Audit	Work Period	Site Audit Checklist Submitted Under IEC's Ref No.
16 May 2008	Operation of TKO Area 137 Fill Bank	MCLF 2003
28 May 2008		MCLF 2031

7.1.3 The major findings recorded during the site audit conducted during this reporting period are summarized below. Full details are provided in the site audit checklists presented in Appendix H.

Table 7.2 Key Findings of IEC Site Audits in this reporting month

Date	Key Findings	Action Taken recommended by IEC
16 May 2008	• Silt curtain near the Contractor Office was damaged. (Outstanding)	• To repair the silt curtain as soon as possible.
	• Silt curtain near tipping hall No.1 was sited improperly. (Rectified)	• To relocate the silt curtain as soon as possible.
	• Fugitive dust was observed in various locations within the site.	• To increase the water-spraying frequency.
	• Fugitive dust was observed in the stone crushing plant.	• To ensure enough water was stored in the storing tank to provide water-spraying.
28 May 2008	• Silt curtain near Contractor Office was damaged. (Outstanding)	• To repair the silt curtain as soon as possible.
	• Fugitive dust was observed in various locations within the site. (Rectified)	• To increase the water-spraying frequency.
	• Fugitive dust was observed in the stone crushing plant. (Rectified)	• To ensure enough water was stored in the storing tank to provide water-spraying.
	• Silt curtain near tipping hall No.1 was sited improperly.	• To relocate the silt curtain as soon as possible.

7.2 Weekly ET Site Inspections

Weekly ET site inspections were carried out by ET to monitor the timely implementation of proper environmental pollution control and mitigation measures for the Project. In this reporting month, four weekly site inspections were conducted (06, 16, 22 and 28 May 2008).

After each site inspection, a site inspection report detailing the environmental observations had also been prepared by the ET and submitted to RE, IEC and Contractor to notify of the ET's observations and recommendations. The weekly site inspection reports in this reporting month are attached in Appendix I. Summaries of the weekly site inspection findings in this reporting month are described as follows:

Air Quality

- The major dust sources were dump truck movement on the unpaved haul roads and loading & unloading activities on various working platforms in the Fill Bank. The Contractor deployed water bowsers to dampen the haul roads and the working platforms;
- During the weekly site inspection on 16 May 2008, unpaved haul road at stockpile area was dry and fugitive dust was generated during the vehicle's movement. The Contractor was reminded to water the haul road more frequently to avoid dust generation. In the next weekly site inspection on 22 May 2008, unpaved haul road at stockpile area was noted to be wet and no fugitive dust was observed;
- Several automatic sprinklers served to dampen the haul roads outside the site office and on the ramp to the stockpiling area. The contractor was advised to keep it in proper operation all the time especially during dry season to avoid dust generation by vehicles passing by;
- Follow up action the outstanding observation in the previous month, haul road at stockpile area was noted to be wet and and no fugitive dust was noted during the weekly site inspection on 06 May 2008;
- No water spraying was provided for conveyor transfer points of crushing plant during operation during the weekly site inspection on 16 May 2008. The Contractor was reminded to provide water-spraying especially during operation at conveyor transfer point of crushing plant. During the subsequent weekly site inspection on 22 May 2008, water spraying was noted provided for conveyor transfer points of crushing plant;
- Wheel washing facilities were operating during weekly site inspections. Besides, the Contractor operated several mist spraying systems at the site egress and weighbridge respectively. The truckloads were dampened during inspection of fill material at CEDD Reception Office;
- The dump trucks were operating below the speed limit in the Fill Bank. There were sufficient speed limit signs on site to advise the drivers;
- The fill material was usually dampened on the barge. Dust impact was minimal from the barge delivery and unloading activity at the BHA;
- Black smoke was found emitted from an excavator at stockpile area during the weekly site inspection on 22 May 2008. The Contractor was reminded to stop to use the defective excavator until repaired. During the next weekly site inspection on 28 May 2008, no black smoke was observed emitted from the excavator at stockpile area. However, the Contractor was still reminded to maintain all Powered Mechanical Equipment (PME) regularly and properly in order to avoid black smoke emission; and
- Other than the Fill Bank operation, dust sources also included road paving works of Wan Po Road outside the site egress, operation of PBR2 at Portion J of the Fill Bank, temp C&DMSF at Portion K, delivery of rock fill material from the SENT Landfill to the EPD's barging point and associated dumping activity, operation of the SENT Landfill, vehicular movement and wind erosion on Wan Po Road.

Noise

- The major noise source was dump truck traffic in the Fill Bank. Since the nearby NSR were remote from the Fill Bank, the noise impact was minimal. There was no specific observation noted regarding noise issue.

Water Quality

- Follow up action the outstanding observation in the previous months, the silt curtain at BHA was still found party damaged during several weekly site inspections in this reporting month. The Contractor was reminded to repair the damaged part of the silt curtain as soon as possible. Since the finding was still observed at the last weekly site inspection in this reporting month, it will be verified in the coming month;
- Follow up action the outstanding observation in the previous month, stagnant water and mud noted at the haul road near the site office were cleaned up during the weekly site inspection on 16 May 2008;
- No mud and debris were found accumulated inside the drainage channel in this reporting month. The Contractor was still reminded to clean up the mud and debris accumulated and maintain the drainage channels properly to avoid any blockage; and
- Stagnant water was noted accumulated on the ground at workshop and inside a drip tray at crushing plant during the weekly site inspection on 28 May 2008. The Contractor was reminded to drain the stagnant water and keep the drip tray clear. Since the finding was observed at the last weekly site inspection in this reporting month, it will be verified in the coming month.

Chemical and Waste Management

- The Contractor provided waste skips to collect general refuse and disposal of them regularly to the SENT Landfill. In this reporting month, no C&D waste was disposed to SENT Landfill and no chemical waste was collected by licensed waste collector;
- The chemical waste was stored in the Chemical Waste Storage Area (CWSA). The Contractor should dispose chemical wastes regularly to avoid over accumulation of chemical waste on site;
- The door of CWSA was found locked properly during the weekly site inspections in this month;
- No labels were noted at the chemical waste storage area at crushing plant during the weekly site inspection on 28 May 2008. The Contractor was reminded to display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Chemical Waste (General) Regulations and Codes of Practice.he CWAS was labeled properly in this reporting month. Since the finding was observed at the last weekly site inspection in this reporting month, it will be verified in the coming month; and
- No oil spillage was observed at the site in this reporting month.

Landscape and Visual

- Germination rate on the hydroseeded panels were observed to be satisfactory in this reporting month. The Contractor was still advised to maintain the hydroseeded panels properly; and
- Sufficient lighting was provided for the Fill Bank operation in the evening.

Site Practices

- Follow up action to the outstanding finding in the previous month, the rubbish at crushing plant was noted cleaned up during the weekly site inspection on 06 May 2008; and
- Rubbish was noted on the ground at workshop during the weekly site inspection on 28 May 2008. The Contractor was reminded to clean up and dispose the rubbish immediately. Since the finding was observed at the last weekly site inspection in this reporting month, it will be verified in the coming month.

Landfill Gas Monitoring

- Landfill gas monitoring (oxygen, carbon dioxide and methane) was carried out once per week for each site office in this reporting month;
- Equipments used in the monitoring have been calibrated for all these three parameters; and
- All the monitoring results were satisfactory.

7.3 Review of Environmental Monitoring Procedures

The monitoring works conducted by the Environmental Team were inspected regularly. The observations for the monitoring works were recorded and summarized as follows:

Air Quality Monitoring

- The monitoring team recorded the observations around the monitoring stations within and outside of the construction site.
- The monitoring team recorded the temperature, air pressure and general weather condition on the monitoring day.

Noise Monitoring

- The monitoring team recorded the observations around the monitoring station, which might affect the results.
- Major noise sources were identified and recorded.

Water Quality Monitoring

- The monitoring team recorded the observations around the monitoring stations, which might affect the results.

7.4 Assessment of Environmental Monitoring Results

All monitoring results were audited against the Action and Limit levels and any exceedances would be validated.

No exceedances were recorded in water quality, air quality and noise monitoring in this reporting month.

The monitoring results in this reporting period were comparable with those of baseline period. Detailed discussions were given in Section 2, 3 and 4 of this Report.

7.5 Advice on the Solid and Liquid Waste Management Status

The Contractor should provide sufficient preventive measures during equipment maintenance works so as to avoid oil leakage on the ground. In the event of any oil leakage, the Contractor should clean up the polluted soil and handle all the materials used for this cleaning works as chemical waste.

Concrete bunding has erected outside the CEDD combined reception office and near the automatic wheel washing facilities for storing generator sets and oil drums. The drain outlet of all the bunded areas should be plugged properly. Besides, pre-cast drip trays were provided for oil drums at several areas, such as workshop and chemical storage area. The Contractor should collect and dispose of any stagnant water accumulated in the concrete bunding and drip trays and handle them as chemical waste.

The Contractor should use suitable containers with proper labels to store chemical wastes in accordance with Code of Practice on the Packaging, Labeling and Storage of Chemical Waste. The Contractor should also advise their workers of the proper procedures in handling the chemical waste. All the trip tickets for chemical waste disposal were properly kept in the site office. No chemical waste disposal was undertaken in the reporting month.

The Contractor was reminded to increase the frequency of inspection and cleaning of the site drainage system, including permanent desilting chambers, desilting facilities, oil interceptor bypass tank, DP3 and DP4 and all the trapezoidal channels. Moreover, the Contractor should apply approved pesticides in the stagnant water ponds.

All the runoff from the parking area should be pumped to the desilting facilities and oil interceptors to remove suspended solids and oil & grease prior to discharge.

8.0 Status of Environmental Licensing and Permitting

All permits/licenses valid in this reporting month are summarized in Table 8.1.

Table 8.1 Summary of environmental licensing and permit status

Description	*Permit No.*	*Valid Period*		*Section*
		From	*To*	
Amended Environmental Permit	*EP-134/2002/F*	*26/01/06*	*---*	*(Valid)* ▪ *Site clearance* ▪ *Construction of a temporary storm water system* ▪ *Stockpiling of 6 million m3 of public fill* ▪ *Setting up two barging points for transporting the stockpiled public fill by barges* ▪ *Setting up a temporary barging point at the existing Explosive Off-loading Barging Point for the period of May 2004 to December 2004 for transporting the stockpiled public fill by barge* ▪ *Construction of operation of a construction and Demolition Material Sorting Facility (C&DMSF)* ▪ *Setting up a Construction and Demolition Material Crushing Facility at the TKO Basin* ▪ *Remove the temporary fill bank*
Chemical Waste Producer	*5123-839-C1186-05*	*04/01/07*	*---*	*Spent Lubricating oil / Spent Flammable Liquid / Spent Battery / Surplus Paint*
Effluent Discharge License	*RE/D1185/839/1*	*06/07/07*	*31/07/12*	*Wastewater arising from the wheel washing bay, Sedimentation Tank & Desilting Tank*

9.0 ENVIRONMENTAL NON-CONFORMANCE

9.1 Summary of air quality, noise and marine water quality

No exceedances of Action and Limit Level of 24-hour and 1-hour TSP monitoring results were recorded during the reporting month.

No day-time noise level measured at the monitoring station exceeded the Action and Limit Level in the reporting month.

No exceedances of Action and Limit Level of water quality monitoring results were recorded during the reporting month.

9.2 Summary of Environmental Complaints

There was no complaints received in this reporting month.

9.3 Summary of Notification of Summons and Prosecution

There was no notification of summons respect to environmental issues registered in this reporting month.

10.0 IMPLEMENTATION STATUS

10.1 Implementation Status of Environmental Mitigation Measures

An updated summary of the Environmental Mitigation Implementation Schedule (EMIS) is presented in Appendix J. Most of the necessary mitigation measures were implemented properly. Any deficiencies were noted in the remarks of the schedule.

10.2 Implementation Status of Event and Action Plan

There was no exceedance on air quality and noise monitoring parameters recorded in this monitoring month. Hence no further actions were required.

No exceedances of Action and Limit Level of water quality monitoring results were recorded during the reporting month.

10.3 Implementation Status of Environmental Complaint, Notifications of Summons and Successful Prosecutions Handling

No complaints, notifications of summons and successful prosecutions were received in this reporting month. A summary of environmental complaints, notifications of summons and successful prosecutions was given in Table 10.1 and further details of the complaint could be found in the Complaint Log (Appendix M).

Table 10.1 Summary of Environmental Complaints and Prosecutions

Complaints logged		*Summons served*		*Successful prosecution received*	
May 2008	*Cumulative*	*May 2008*	*Cumulative*	*May 2008*	*Cumulative*
0	*0*	*0*	*0*	*0*	*0*

11.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

Impact monitoring of air quality, noise and water quality were carried out at designated locations in accordance with the EM&A Manual in this reporting month.

According to the summary of air monitoring results, no exceedances of Action and Limit Level of 24-hour and 1-hour TSP monitoring results were recorded during the reporting month.

The noise level measured at the monitoring station complied with the Limit Level of 75dB(A). No complaint was received regarding noise issue in this reporting month.

No exceedances of Action and Limit Level of water quality monitoring results were recorded during the reporting month.

According to the ET weekly site inspections and IEC site audits carried out in this reporting month, the Contractor generally implemented sufficient dust mitigation measures, including operation of the mist spraying systems and automatic wheel washing facilities, dampening of haul roads and stockpiling areas.

No complaints, prosecutions or notifications of summons were received in this reporting month.

Recommendations

According to the environmental site inspections performed in the reporting month, the following recommendations were provided:

Air Quality

- Ensure the frequency of water spraying on haul roads, unloading areas and stockpiles to be sufficient to suppress the dust sources;
- Provide proper maintenance for the powered mechanical equipment and barges to avoid emission of dark smoke;
- Provide water spraying onto the truckloads during inspection of fill material;
- Conduct road sweeping on all paved haul roads and public roads especially outside and near the site egress by the road sweeper. Undertake water spraying on stockpiling area by water bowers;
- Erect adequate speed limit signs to advise the truck drivers of the speed limit;
- Operate mist spraying systems and automatic water sprinklers in the Fill Bank;
- Implement the dust mitigation measures for the construction activities;
- Designate proper haul roads to ensure effective water spraying; and
- Ensure all vehicles to be washed before leaving the site egress by provision, operation and maintenance of automatic wheel washing facilities.

Noise
- Conduct noisy activities at a farther location from the NSRs.

Water Quality
- Maintain the drainage system, including the trapezoidal channels, permanent desilting chambers, DP3 & DP4 regularly;
- Operate and maintain the silt curtains regularly;
- Operate the cleaning vessel within the TKO Basin regularly;
- Provide proper treatment for the oil discharge from the area near air monitoring station TKO-A1;
- Clean up the fill material on the concrete pavement at BHA frequently; and
- Remove the stagnant water or provide approved pesticides for the stagnant water in the permanent desilting chambers, if any.

Chemical and Waste Management
- Remove waste materials from the site to avoid accumulation regularly;
- Handle and store chemical wastes properly;
- Remove unwanted material in the existing stockpiles and avoid further dumping of such material;
- Provide and maintain sufficient drip trays for diesel drums, chemical containers, chemical waste storage drums and diesel operated generator set;
- Maintain mesh screen on top of the additional drainage, DP3 to avoid improper dumping of rubbish;
- Maintain good housekeeping at the workshop area;
- Ensure sufficient tarpaulin sheets are provided to cover drip trays; and
- Avoid soil being polluted during oil filling and equipment maintenance; hence, properly remove and store the contaminated soil, if any.

Landscape and Visual
- Provide hydroseeding on the exposed slopes, on which the final profile has been formed;
- Erect all the site hoarding/chaining fences in accordance with agreed design at proper location; and
- Maintain the hydroseeded slopes in accordance with the Landscape Plan.

12.0 FUTURE KEY ISSUES

12.1 Construction Programme for the Coming Month

As informed by the Contractor, the activities to be conducted by them in the next month included:
- *Removal & delivery of public fill stockpiled material to Mainland*
- *Maintenance of haul road within fill bank area.*
- *Operation of the crushing plant*
- *Operation of the tipping hall (A1, A2 & A3)*
- *Operation of the road water lorries and the road sweeper*
- *Delivery of public fill received at the QB Temporary Public Fill Barging Point to TKO fill bank.*

12.2 Key Issues for the Coming Month

Key issues to be considered in the coming month include:
- *Chemical and waste management;*
- *Treatment of runoff and wastewater prior to discharge;*
- *Dust generated from loading and unloading activities; and*
- *Dust generated from dump trucks traffic.*

Mitigation measures to be required in the coming month:

Air Quality Impact
- To provide adequate water spraying on haul roads and working platform;
- To operate and maintain automatic wheel washing facilities properly;
- To dampen the fill material prior to unloading or movement;
- To provide road sweeping on the haul road near site egress and the public roads outside site egress;
- To ensure implementation of the dust mitigation measures for the construction activities;
- To maintain proper operation of the mist spraying system;
- To provide proper maintenance for vehicles and machines on site; and
- To investigate any other dust sources around the air sensitive receivers.

Noise
- To switch off equipment if not in use;
- To operate silent equipment;
- To identify the noise sources inside and outside of the site;
- To follow up any exceedance caused by the Fill Bank operation; and
- To re-schedule the work activities in the event of valid noise exceedance.

Water Quality Impact
- To maintain the drainage system in the Fill Bank;
- To ensure the cleanliness of oil interceptor bypass tanks and all the drainage channels;
- To maintain the existing silt trap to ensure good efficiency of wheel wash facilities;
- To repair, inspect and maintain the silt curtains regularly;
- To provide covers for the drip trays to avoid stagnant water pond due to rainfall;
- To provide proper treatment for oily water discharged form the area around air monitoring station TKO-A1;
- To deploy a cleaning vessel to remove floating rubbish in the TKO Basin;
- To clean up the concrete paved area at Portion I every night to avoid fill materials from being washed into the sea; and
- To avoid any stagnant water or provide insecticide to avoid mosquito breeding in the Fill Bank.

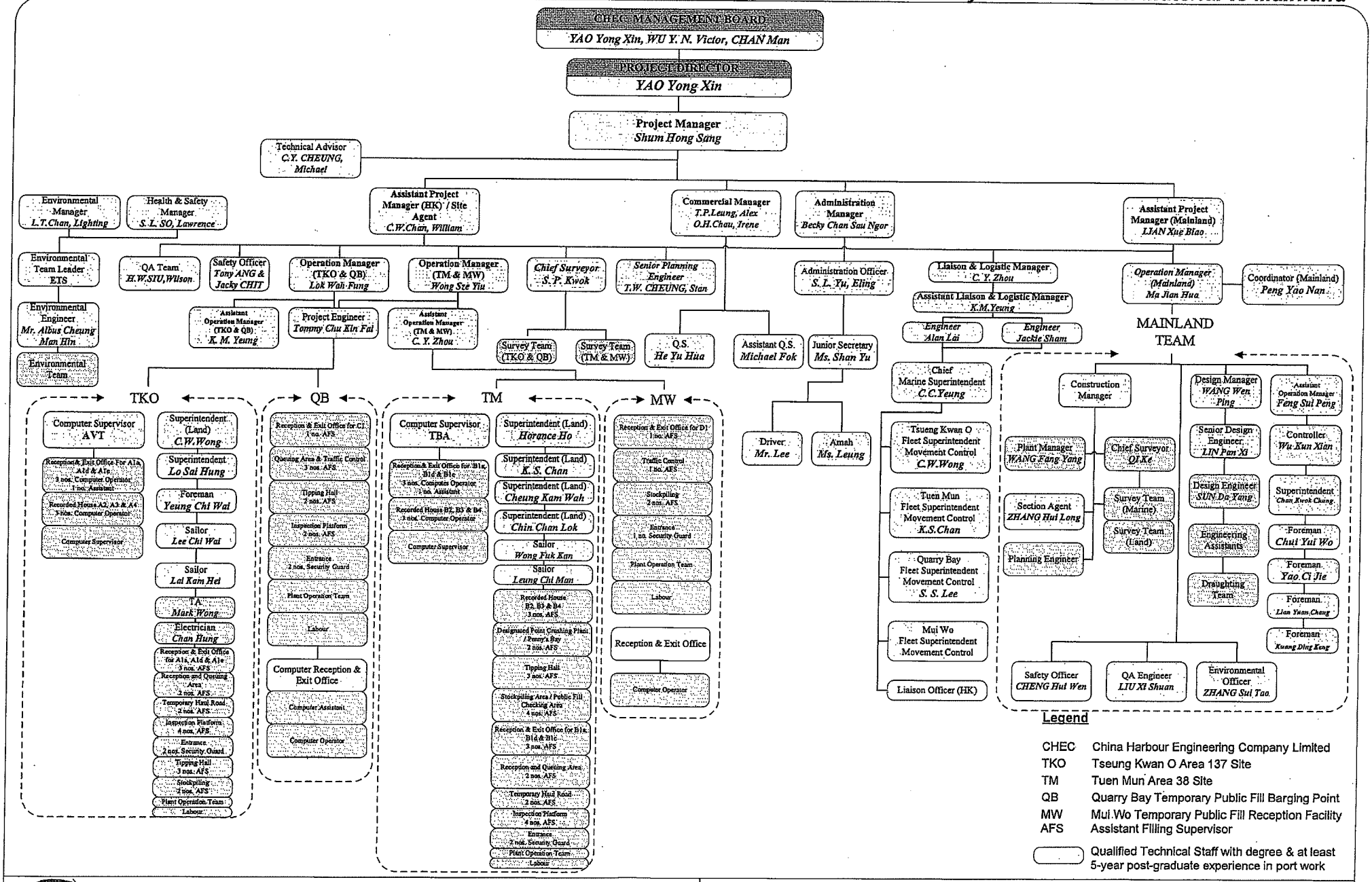
Chemical and Waste Management
- To remove waste from the site regularly;
- To properly store and handle chemical wastes on site;
- To implement trip ticket system for all the imported public fill and general refuse disposal;
- To provide and manage sufficiently sized drip trays for diesel drums or chemical containers;
- To remove existing unwanted material in the stockpiles and avoid improper disposal at the Fill Bank through inspection of imported truckloads;
- To maintain proper housekeeping at the workshop area;
- To remove the oil stains in the event of leakage and handle all materials using for this cleaning works as chemical waste;
- To maintain mesh screen on top of the additional drainage, DP3 opening to avoid improper dumping of rubbish into this channel; and
- To identify C&D material by packaging, labeling, storage, transportation and disposal in accordance with statutory regulations.

12.3 Monitoring Schedule for the Coming Month

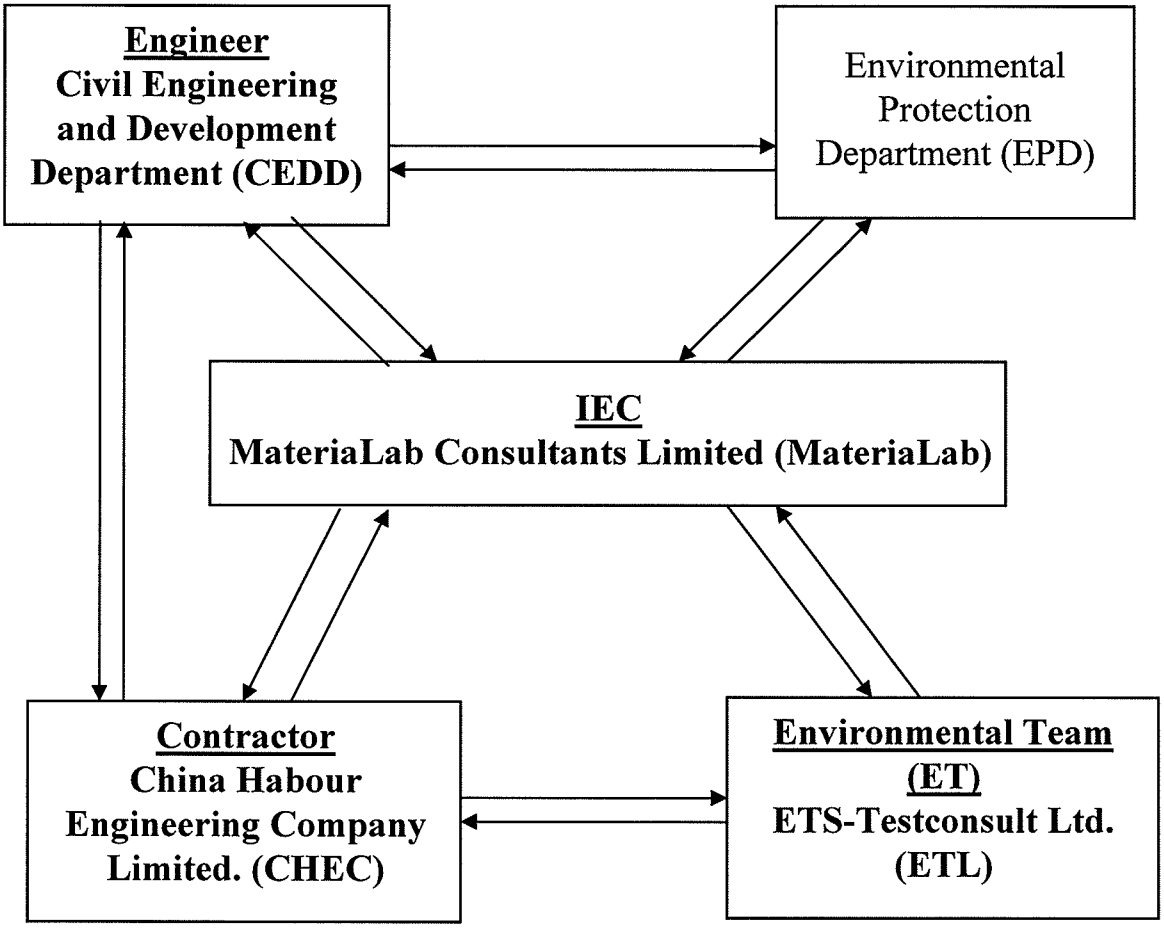
The proposed EM&A program of the coming month is attached in Appendix L.

Appendix A

Organization Chart and Lines of Communication


CHEC MANAGEMENT BOARD
YAO Yong Xin, WU Y. N. Victor, CHAN Man
PROJECT DIRECTOR
YAO Yong Xin
Project Manager
Shum Hong Sang
Technical Advisor
C.Y. CHEUNG, Michael
Environmental Manager
L.T.Chan, Lighting
Health & Safety Manager
S. L. SO, Lawrence
Assistant Project Manager (HK) / Site Agent
C.W.Chan, William
Commercial Manager
T.P.Leung, Alex
O.H.Chau, Irene
Administration Manager
Becky Chan Sau Ngor
Assistant Project Manager (Mainland)
LIAN Xue Biao
Environmental Team Leader
ETS
QA Team
H.W.SIU,Wilson
Safety Officer
Tony ANG & Jacky CHIT
Operation Manager (TKO & QB)
Lok Wah Fung
Operation Manager (TM & MW)
Wong Sze Yiu
Chief Surveyor
S.P. Kwok
Senior Planning Engineer
T.W. CHEUNG, Stan
Administration Officer
S. L. Yu, Eling
Liaison & Logistic Manager
C. Y. Zhou
Operation Manager (Mainland)
Ma Jian Hua
Coordinator (Mainland)
Peng Yao Nan
Environmental Engineer
Mr. Albus Cheung Man Hin
Environmental Team
Assistant Operation Manager (TKO & QB)
K. M. Yeung
Project Engineer
Tommy Chu Kin Fai
Assistant Operation Manager (TM & MW)
C. Y. Zhou
Survey Team (TKO & QB)
Survey Team (TM & MW)
Q.S.
He Yu Hua
Assistant Q.S.
Michael Fok
Junior Secretary
Ms. Shan Yu
Assistant Liaison & Logistic Manager
K.M.Yeung
Engineer
Alan Lai
Engineer
Jackie Sham
MAINLAND TEAM
TKO
QB
TM
MW
Computer Supervisor
AVT
Superintendent (Land)
C.W.Wong
Superintendent
Lo Sai Hung
Foreman
Yeung Chi Wai
Sailor
Lee Chi Wai
Sailor
Lai Kam Hei
TA
Mark Wong
Electrician
Chan Hung
Reception & Exit Office for A1s, A1d & A1e
3 nos. AFS
Reception and Queuing Area
2 nos. AFS
Temporary Haul Road
2 nos. AFS
Inspection Platform
4 nos. AFS
Entrance
2 nos. Security Guard
Tipping Hall
3 nos. AFS
Stockpiling
2 nos. AFS
Plant Operation Team
Labour
Reception & Exit Office for C1
1 no. AFS
Queuing Area & Traffic Control
3 nos. AFS
Tipping Hall
2 nos. AFS
Inspection Platform
2 nos. AFS
Entrance
2 nos. Security Guard
Plant Operation Team
Labour
Computer Reception & Exit Office
Computer Assistant
Computer Operator
Computer Supervisor
TBA
Superintendent (Land)
Horance Ho
Superintendent (Land)
K.S. Chan
Superintendent (Land)
Cheung Kam Wah
Superintendent (Land)
Chin Chan Lok
Sailor
Wong Fuk Kan
Sailor
Leung Chi Man
Recorded House B2, B3 & B4
3 nos. AFS
Designated Point Crushing Plant / Penny's Bay
2 nos. AFS
Tipping Hall
2 nos. AFS
Stockpiling Area / Public Fill Checking Area
4 nos. AFS
Reception & Exit Office for B1s, B1d & B1e
3 nos. AFS
Reception and Queuing Area
2 nos. AFS
Temporary Haul Road
2 nos. AFS
Inspection Platform
4 nos. AFS
Entrance
2 nos. Security Guard
Plant Operation Team
Labour
Reception & Exit Office for D1
1 no. AFS
Traffic Control
1 no. AFS
Stockpiling
2 nos. AFS
Entrance
1 no. Security Guard
Plant Operation Team
Labour
Reception & Exit Office
Computer Operator
Driver
Mr. Lee
Amah
Ms. Leung
Chief Marine Superintendent
C.C.Yeung
Tsueng Kwan O Fleet Superintendent Movement Control
C.W.Wong
Tuen Mun Fleet Superintendent Movement Control
K.S.Chan
Quarry Bay Fleet Superintendent Movement Control
S. S. Lee
Mui Wo Fleet Superintendent Movement Control
Liaison Officer (HK)
Construction Manager
Plant Manager
WANG Fang Yang
Section Agent
ZHANG Hui Long
Planning Engineer
Chief Surveyor
QI Ke
Survey Team (Marine)
Survey Team (Land)
Design Manager
WANG Wen Ping
Senior Design Engineer
LIN Pan Xi
Design Engineer
SUN Da Yang
Engineering Assistants
Draughting Team
Assistant Operation Manager
Feng Sui Peng
Controller
Wu Kun Xian
Superintendent
Chan Kwok Chung
Foreman
Chui Yui Wo
Foreman
Yao Ci Jie
Foreman
Lian Yuan Cheng
Foreman
Kuang Ding Kong
Safety Officer
CHENG Hui Wen
QA Engineer
LIU Xi Shuan
Environmental Officer
ZHANG Sui Tao
Legend
CHEC China Harbour Engineering Company Limited
TKO Tseung Kwan O Area 137 Site
TM Tuen Mun Area 38 Site
QB Quarry Bay Temporary Public Fill Barging Point
MW Mui Wo Temporary Public Fill Reception Facility
AFS Assistant Filling Supervisor
Qualified Technical Staff with degree & at least 5-year post-graduate experience in port work

Lines of Communication



Appendix B1

Calibration Certificates for Impact Air Quality Monitoring Equipment

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED
8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong
Tel : 2695 8318 E-mail : etl@ets-testconsult.com
Fax : 2695 3944 Web site : www.ets-testconsult.com

TEST REPORT

Calibration Report of High Volume Air Sampler

Manufacturer : Graseby GMW Date of Calibration : 25 March 2008

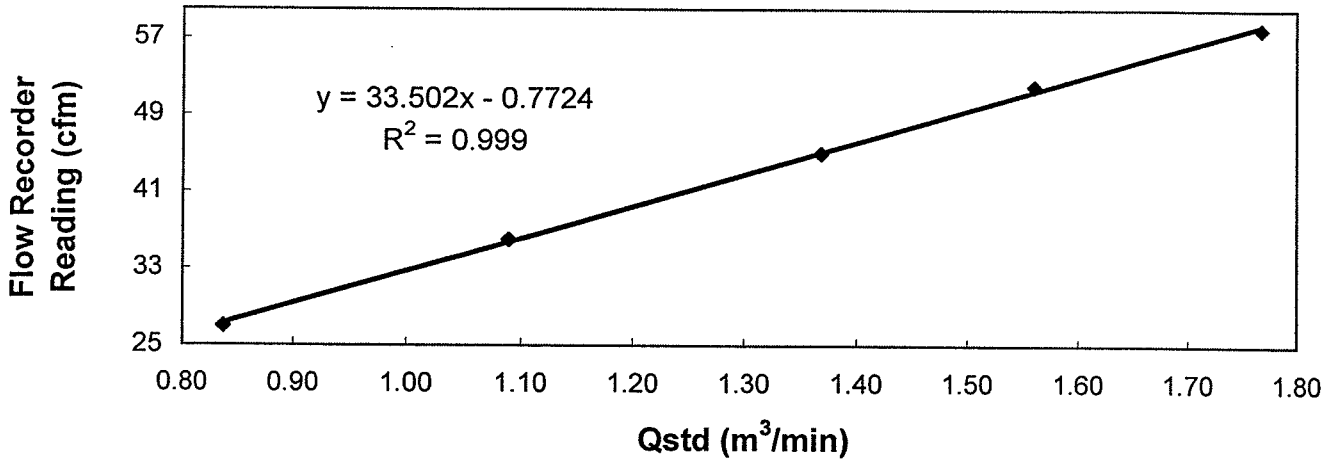
Serial No. : 10347 (ET / EA / 003 / 06) Calibration Due Date : 24 May 2008

Method : Based on Operations Manual for the 5-point calibration using standard calibration kit manufactured by Tisch TE-5025 A

Results :

Flow recorder reading (cfm)	58	52	45	36	27
Qstd (Actual flow rate, m^3/min)	1.77	1.56	1.37	1.09	0.84
Pressure : 764.31 mm Hg		Temp. : 294 K			

Sampler 10347 Calibration Curve
Site: Tseung Kwan O (A-1)
Date of Calibration: 25 March 2008



Acceptance Criteria : Correlation coefficient (r) of the calibration curve greater than 0.990 after a 5-point calibration

The high volume sampler complies * / ~~does not comply~~ * with the specified requirements and is deemed acceptable */ ~~unacceptable~~ * for use.

Calibrated by : _____
CHOW, Hoi Tat
(Asst. Environmental Officer)

Approved by : _____
LAW, Sau Yee
(Senior Environmental Officer)

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED
8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong
Tel : 2695 8318
Fax : 2695 3944
E-mail : etl@ets-testconsult.com
Web site : www.ets-testconsult.com

TEST REPORT

Calibration Report of High Volume Air Sampler

Manufacturer : Graseby GMW

Date of Calibration : 23 May 2008

Serial No. : 10347 (ET / EA / 003 / 06)

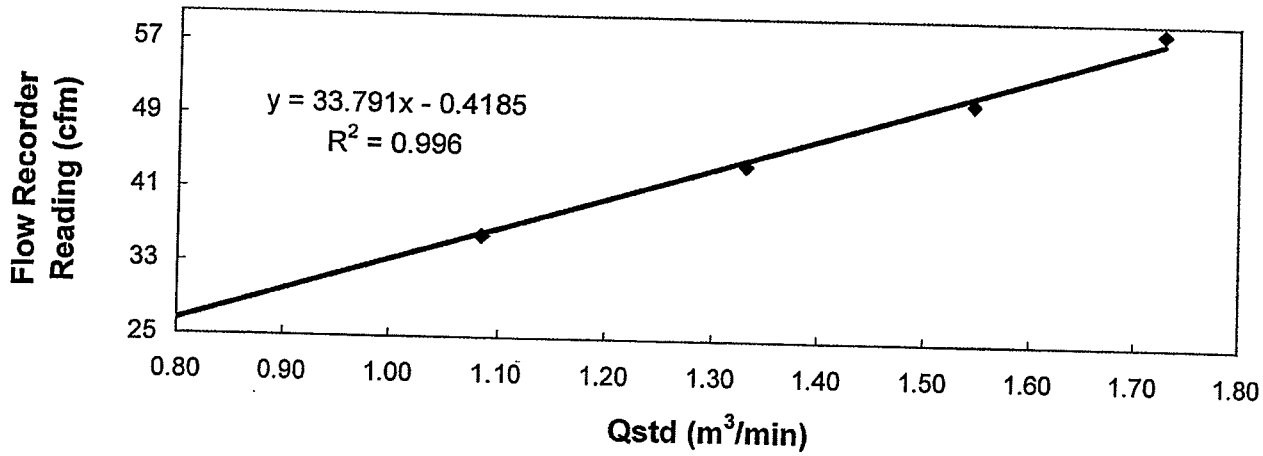
Calibration Due Date : 22 July 2008

Method : Based on Operations Manual for the 5-point calibration using standard calibration kit manufactured by Tisch TE-5025 A

Results :

Flow recorder reading (cfm)	59	51	44	36	27
Qstd (Actual flow rate, m^3/min)	1.73	1.55	1.55	1.09	0.79
Pressure : 757.56 mm Hg		Temp. : 300 K			

Sampler 10347 Calibration Curve
Site: Tseung Kwan O (A-1)
Date of Calibration: 23 May 2008



Acceptance Criteria : Correlation coefficient (r) of the calibration curve greater than 0.990 after a 5-point calibration

The high volume sampler complies * / ~~does not comply~~ * with the specified requirements and is deemed acceptable */ ~~unacceptable~~ * for use.

Calibrated by : _____
Li, Wan Lung
(Environmental Technician)

Approved by : _____
LAW, Sau Yee
(Senior Environmental Officer)

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ETS-TESTCONSULT LIMITED
8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong
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Fax : 2695 3944 Web site : www.ets-testconsult.com

TEST REPORT

Calibration Report of High Volume Air Sampler

Manufacturer : Graseby GMW Date of Calibration : 25 March 2008

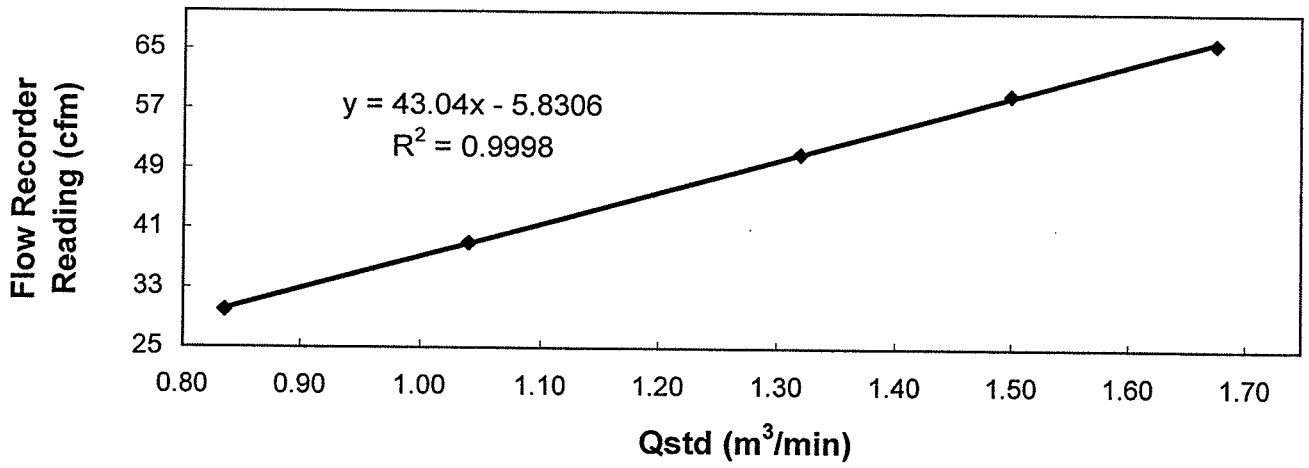
Serial No. : 1176 (ET / EA / 003 / 05) Calibration Due Date : 24 May 2008

Method : Based on Operations Manual for the 5-point calibration using standard calibration kit manufactured by Tisch TE-5025 A

Results :

Flow recorder reading (cfm)	66	59	51	39	30
Qstd (Actual flow rate, m^3/min)	1.68	1.50	1.32	1.04	0.84
Pressure : 764.31 mm Hg		Temp. : 295 K			

Sampler 1176 Calibration Curve
Site: Tseung Kwan O (A-2)
Date of Calibration: 25 March 2008



Acceptance Criteria : Correlation coefficient (r) of the calibration curve greater than 0.990 after a 5-point calibration

The high volume sampler complies * / ~~does not comply~~ * with the specified requirements and is deemed acceptable */ ~~unacceptable~~ * for use.

Calibrated by : _____
CHOW, Hoi Tat
(Asst. Environmental Officer)

Approved by : _____
LAW, Sau Yee
(Senior Environmental Officer)

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Fax : 2695 3944
E-mail : etl@ets-testconsult.com
Web site : www.ets-testconsult.com

TEST REPORT

Calibration Report of High Volume Air Sampler

Manufacturer : Graseby GMW

Date of Calibration : 23 May 2008

Serial No. : 1176 (ET / EA / 003 / 05)

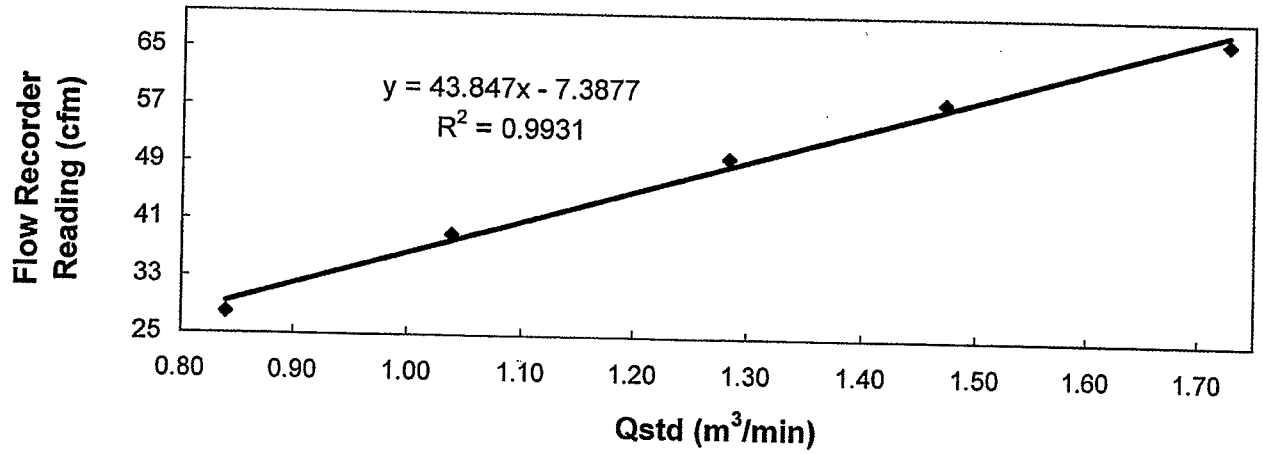
Calibration Due Date : 22 July 2008

Method : Based on Operations Manual for the 5-point calibration using standard calibration kit manufactured by Tisch TE-5025 A

Results :

Flow recorder reading (cfm)	67	58	50	39	28
Qstd (Actual flow rate, m^3/min)	1.73	1.47	1.28	1.04	0.84
Pressure : 757.56 mm Hg		Temp. : 300 K			

Sampler 1176 Calibration Curve
Site: Tseung Kwan O (A-2)
Date of Calibration: 23 May 2008



Acceptance Criteria : Correlation coefficient (r) of the calibration curve greater than 0.990 after a 5-point calibration

The high volume sampler complies * / ~~does not comply~~ * with the specified requirements and is deemed acceptable */ ~~unacceptable~~ * for use.

Calibrated by : _____
Li, Wan Lung
(Environmental Technician)

Approved by : _____
LAW, Sau Yee
(Senior Environmental Officer)

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

AIR POLLUTION MONITORING EQUIPMENT

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - May 24, 2007 Rootsmeter S/N 9833620 Ta (K) - 295
Operator Tisch Orifice I.D. - 1172 Pa (mm) - 751.84

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1	NA	NA	1.00	1.3910	3.2	2.00
2	NA	NA	1.00	0.9730	6.4	4.00
3	NA	NA	1.00	0.8740	7.8	5.00
4	NA	NA	1.00	0.8340	8.7	5.50
5	NA	NA	1.00	0.6880	12.6	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)
0.9951	0.7153	1.4137
0.9908	1.0183	1.9993
0.9888	1.1314	2.2353
0.9877	1.1843	2.3444
0.9825	1.4281	2.8275

Qstd slope (m) = 1.98750
intercept (b) = -0.01336
coefficient (r) = 0.99983

y axis = SQRT[H2O(Pa/760)(298/Ta)]

Va	(x axis) Qa	(y axis)
0.9957	0.7158	0.8859
0.9915	1.0190	1.2528
0.9895	1.1322	1.4007
0.9884	1.1851	1.4690
0.9832	1.4291	1.7717

Qa slope (m) = 1.24454
intercept (b) = -0.00837
coefficient (r) = 0.99983

y axis = SQRT[H2O(Ta/Pa)]

CALCULATIONS

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

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

For subsequent flow rate calculations:

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

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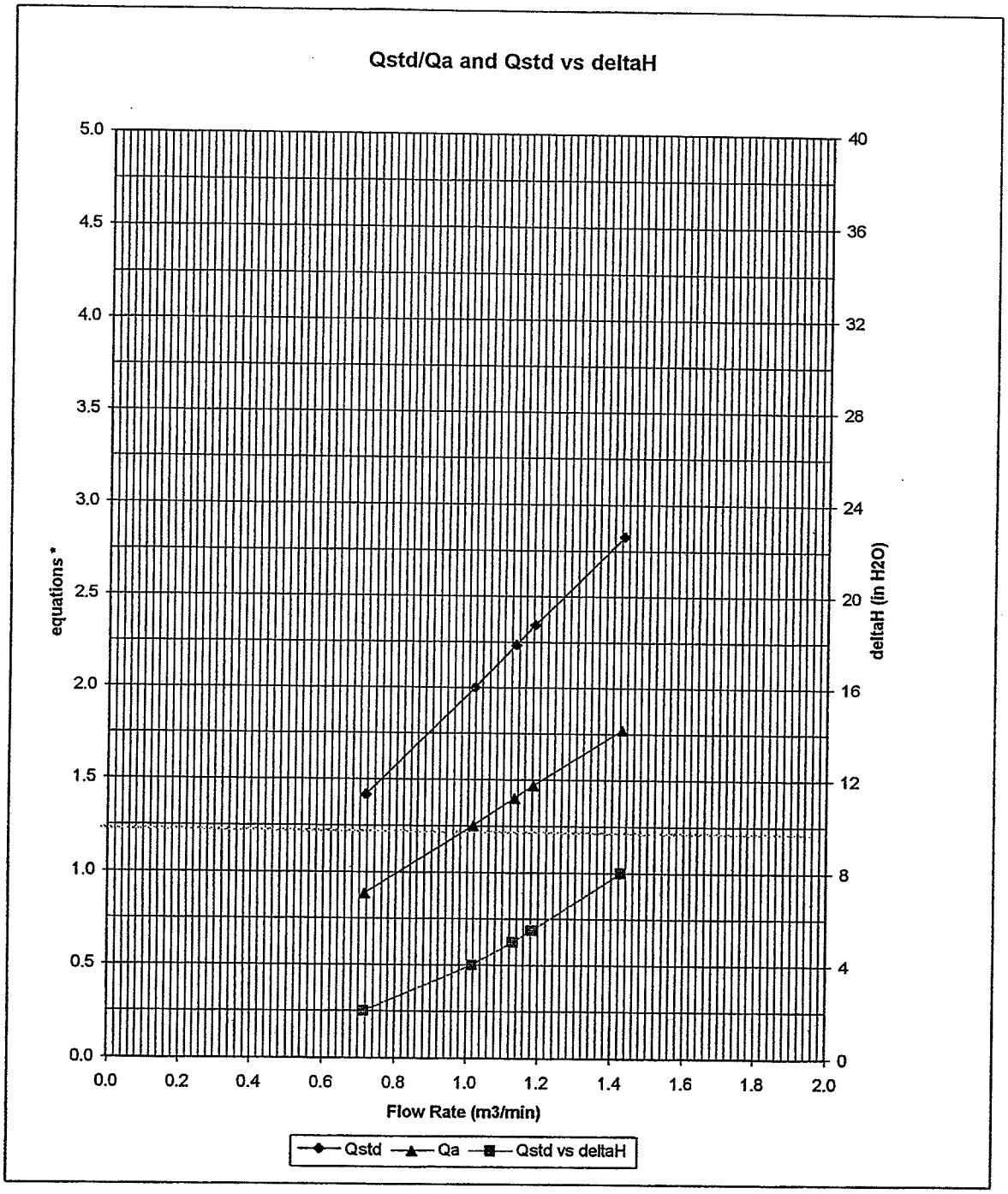
WWW.TISCH-ENV.COM

AIR POLLUTION MONITORING EQUIPMENT



*** y-axis equations:**

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

Qa series: $\sqrt{(\Delta H\ (Ta\ /\ Pa))}$

#1172

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

AIR POLLUTION MONITORING EQUIPMENT

ORIFICE TRANSFER STANDARD CERTIFICATION WORKSHEET TE-5025A

Date - May 14, 2008 Rootsmeter S/N 9833620 Ta (K) - 295
Operator Tisch Orifice I.D. - 1172 Pa (mm) - 750.57

PLATE OR Run #	VOLUME START (m3)	VOLUME STOP (m3)	DIFF VOLUME (m3)	DIFF TIME (min)	METER DIFF Hg (mm)	ORFICE DIFF H2O (in.)
1	NA	NA	1.00	1.3800	3.1	2.00
2	NA	NA	1.00	0.9650	6.3	4.00
3	NA	NA	1.00	0.8630	7.9	5.00
4	NA	NA	1.00	0.8230	8.6	5.50
5	NA	NA	1.00	0.6770	12.7	8.00

DATA TABULATION

Vstd	(x axis) Qstd	(y axis)
0.9935	0.7199	1.4125
0.9893	1.0252	1.9976
0.9870	1.1437	2.2334
0.9862	1.1983	2.3424
0.9807	1.4486	2.8251

Qstd slope (m) = 1.94106
intercept (b) = 0.01311
coefficient (r) = 0.99996

y axis = SQRT[H2O(Pa/760)(298/Ta)]

Va	(x axis) Qa	(y axis)
0.9958	0.7216	0.8866
0.9916	1.0276	1.2538
0.9894	1.1464	1.4018
0.9885	1.2011	1.4703
0.9830	1.4521	1.7732

Qa slope (m) = 1.21546
intercept (b) = 0.00823
coefficient (r) = 0.99996

y axis = SQRT[H2O(Ta/Pa)]

CALCULATIONS

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

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

For subsequent flow rate calculations:

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

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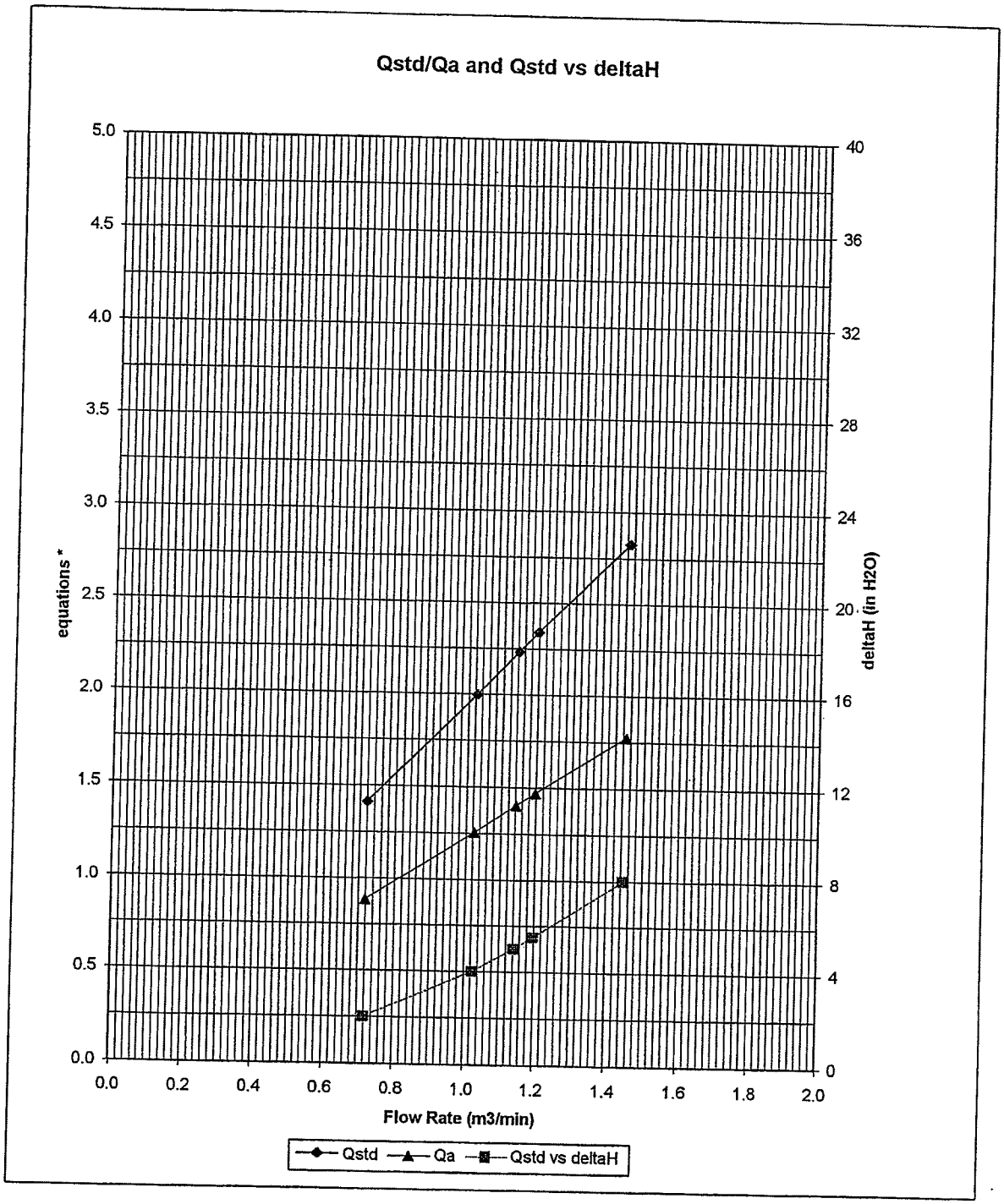
AIR POLLUTION MONITORING EQUIPMENT



*** y-axis equations:**

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

Qa series: $\sqrt{(\Delta H\ (Ta\ /\ Pa))}$

#1172

Appendix B2

Impact Air Quality Monitoring Results

Summary of 24-hr TSP Monitoring Results

Monitoring Station : TKO-A1
Location : Outside CEDD Site Office

Start		Finish		Elapse Time		Sampling Time (hrs)	Flow Rate (m^3/min.)		Average (m^3/min.)	Filter Weight (g)		Conc. ($\mu g/m^3$)
Date	Time	Date	Time	Initial	Final		Initial	Final		Initial	Final	
06/05/08	10:10	07/05/08	10:10	12224.45	12248.45	24.00	0.9782	0.9782	0.9782	2.8659	3.0716	146
10/05/08	11:35	11/05/08	11:35	12251.45	12275.45	24.00	0.9782	0.9782	0.9782	2.8158	3.0256	149
16/05/08	13:00	17/05/08	13:00	12278.45	12302.45	24.00	0.9782	0.9782	0.9782	2.8392	3.0506	150
22/05/08	10:32	23/05/08	10:32	12305.45	12329.45	24.00	1.0081	1.0081	1.0081	2.8319	3.0453	147
28/05/08	10:39	29/05/08	10:39	12332.45	12356.45	24.00	1.0186	1.0186	1.0186	2.6891	2.8899	137

Monitoring Station : TKO-A2
Location : Site Egress

Start		Finish		Elapse Time		Sampling Time (hrs)	Flow Rate (m^3/min.)		Average (m^3/min.)	Filter Weight (g)		Conc. ($\mu g/m^3$)
Date	Time	Date	Time	Initial	Final		Initial	Final		Initial	Final	
06/05/08	10:15	07/05/08	10:15	11751.49	11775.49	24.00	0.8790	0.8790	0.8790	2.8543	3.0568	160
10/05/08	11:45	11/05/08	11:45	11778.49	11802.49	24.00	0.8790	0.8790	0.8790	2.8209	3.0223	159
16/05/08	13:05	17/05/08	13:05	11805.49	11829.49	24.00	0.8790	0.8790	0.8790	2.8311	3.0360	162
22/05/08	10:20	23/05/08	10:21	11832.49	11856.50	24.01	0.9719	0.9719	0.9719	2.8627	3.1104	177
28/05/08	10:45	29/05/08	10:45	11859.50	11883.50	24.00	1.0351	1.0351	1.0351	2.7112	2.9024	128

Summary of 1-hr TSP Monitoring Results

Monitoring Station : TKO-A1
Location : Outside CEDD Site Office

Date	Time		Elapse Time		Sampling Time (hrs)	Flow Rate (m^3/min.)		Average (m^3/min.)	Filter Weight (g)		Conc. ($\mu g/m^3$)
	Start	Finish	Initial	Final		Initial	Final		Initial	Final	
02/05/08	10:10	11:10	12221.45	12222.45	1.00	1.1872	1.1872	1.1872	2.8118	2.8256	194
05/05/08	09:00	10:00	12222.45	12223.45	1.00	0.9782	0.9782	0.9782	2.8472	2.8640	286
06/05/08	09:00	10:00	12223.45	12224.45	1.02	0.9782	0.9782	0.9782	2.8460	2.8635	298
07/05/08	10:30	11:30	12248.45	12249.45	1.02	0.9782	0.9782	0.9782	2.8315	2.8496	308
09/05/08	11:00	12:00	12249.45	12250.45	1.00	0.9782	0.9782	0.9782	2.8268	2.8440	293
10/05/08	10:30	11:30	12250.45	12251.45	1.00	0.9782	0.9782	0.9782	2.8192	2.8372	307
13/05/08	09:00	10:00	12275.45	12276.45	1.00	0.9782	0.9782	0.9782	2.8207	2.8387	307
14/05/08	09:00	10:00	12276.45	12277.45	1.00	0.9782	0.9782	0.9782	2.8152	2.8326	296
16/05/08	09:00	10:00	12277.45	12278.45	1.00	0.9782	0.9782	0.9782	2.8177	2.8358	308
19/05/08	09:00	10:00	12302.45	12303.45	1.00	0.9782	0.9782	0.9782	2.8517	2.8687	290
21/05/08	10:30	11:30	12303.45	12304.45	1.00	0.9782	0.9782	0.9782	2.8432	2.8610	303
22/05/08	09:00	10:00	12304.45	12305.45	1.00	1.0081	1.0081	1.0081	2.8317	2.8489	284
23/05/08	10:40	11:40	12329.45	12330.45	1.00	1.0081	1.0081	1.0081	2.8441	2.8627	308
26/05/08	09:00	10:00	12330.45	12331.45	1.00	1.0186	1.0186	1.0186	2.8092	2.8275	299
28/05/08	09:30	10:30	12331.45	12332.45	1.00	1.0186	1.0186	1.0186	2.7374	2.7563	309
30/05/08	09:00	10:00	12356.45	12357.45	1.00	1.0186	1.0186	1.0186	2.8407	2.8579	281

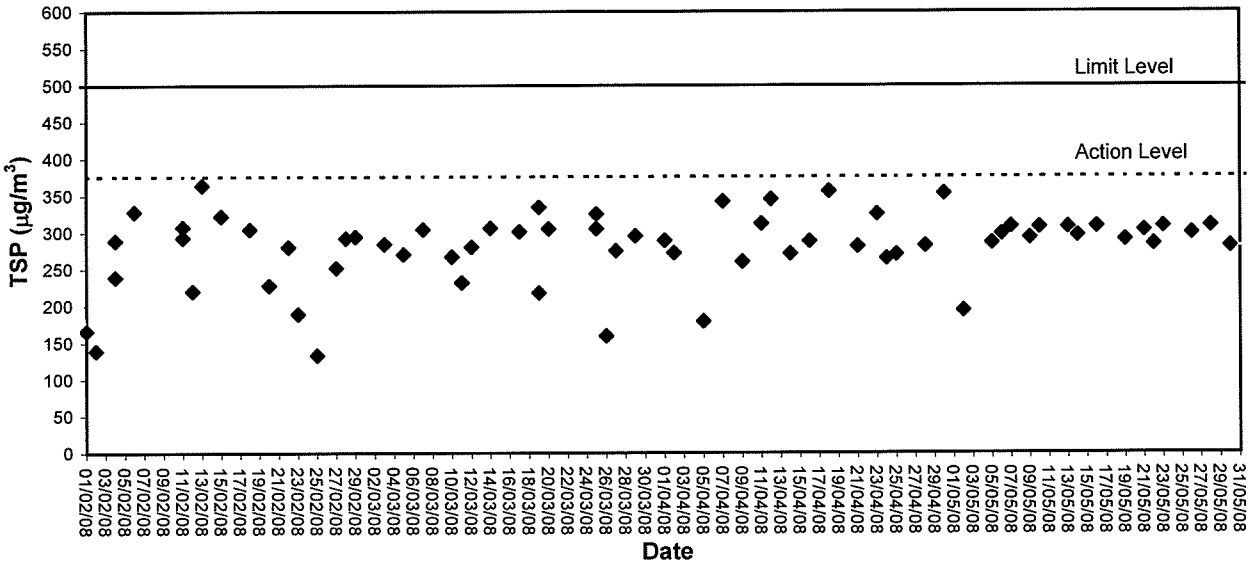
Monitoring Station : TKO-A2
Location : Site Egress

Date	Time		Elapse Time		Sampling Time (hrs)	Flow Rate (m^3/min.)		Average (m^3/min.)	Filter Weight (g)		Conc. ($\mu g/m^3$)
	Start	Finish	Initial	Final		Initial	Final		Initial	Final	
02/05/08	10:17	11:17	11748.48	11749.49	1.01	0.8325	0.8325	0.8325	2.8221	2.8366	290
05/05/08	09:00	10:00	11749.49	11780.49	1.00	0.8790	0.8790	0.8790	2.8263	2.8427	311
06/05/08	09:00	10:00	11750.49	11751.49	1.00	0.8790	0.8790	0.8790	2.8197	2.8371	330
07/05/08	10:35	11:35	11775.49	11776.49	1.02	0.8790	0.8790	0.8790	2.8253	2.8416	309
09/05/08	10:50	11:50	11776.49	11777.49	1.00	0.8790	0.8790	0.8790	2.8219	2.8375	296
10/05/08	10:40	11:40	11777.49	11778.49	1.00	0.8790	0.8790	0.8790	2.8308	2.8469	305
13/05/08	09:00	10:00	11802.49	11803.49	1.00	0.8790	0.8790	0.8790	2.8294	2.8437	271
14/05/08	09:00	10:00	11803.49	11084.49	1.00	0.8790	0.8790	0.8790	2.8207	2.8366	301
16/05/08	09:00	10:00	11804.49	11805.49	1.00	0.8790	0.8790	0.8790	2.8262	2.8412	284
19/05/08	09:00	10:00	11829.49	11830.49	1.00	0.8790	0.8790	0.8790	2.8592	2.8729	260
21/05/08	10:35	11:35	11830.49	11831.49	1.00	0.8790	0.8790	0.8790	2.8389	2.8548	301
22/05/08	09:00	10:00	11831.49	11832.49	1.00	0.9719	0.9719	0.9719	2.8266	2.8444	305
23/05/08	10:28	11:28	11856.50	11857.50	1.00	0.8790	0.8790	0.8790	2.8346	2.8469	233
26/05/08	09:00	10:00	11857.50	11858.50	1.00	1.0351	1.0351	1.0351	2.8148	2.8295	237
28/05/08	09:38	10:38	11858.50	11859.50	1.00	1.0351	1.0351	1.0351	2.8011	2.8153	229
30/05/08	09:00	10:00	11883.50	11884.50	1.00	1.0351	1.0351	1.0351	2.8394	2.8554	258

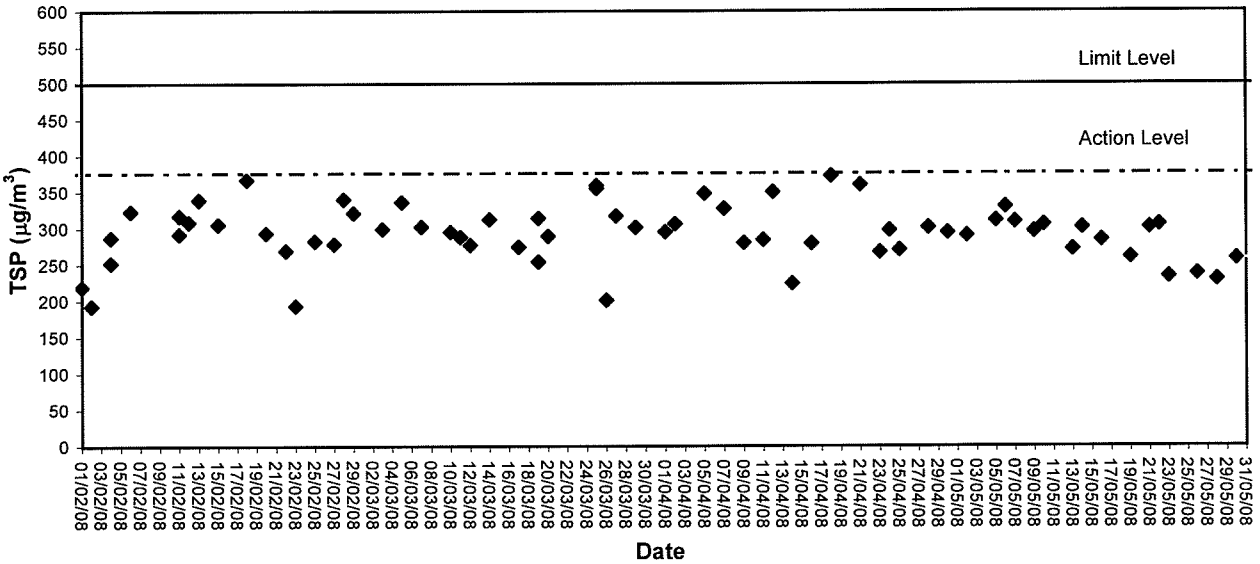
Appendix B3

Graphical Plots of Impact Air Quality Monitoring Data

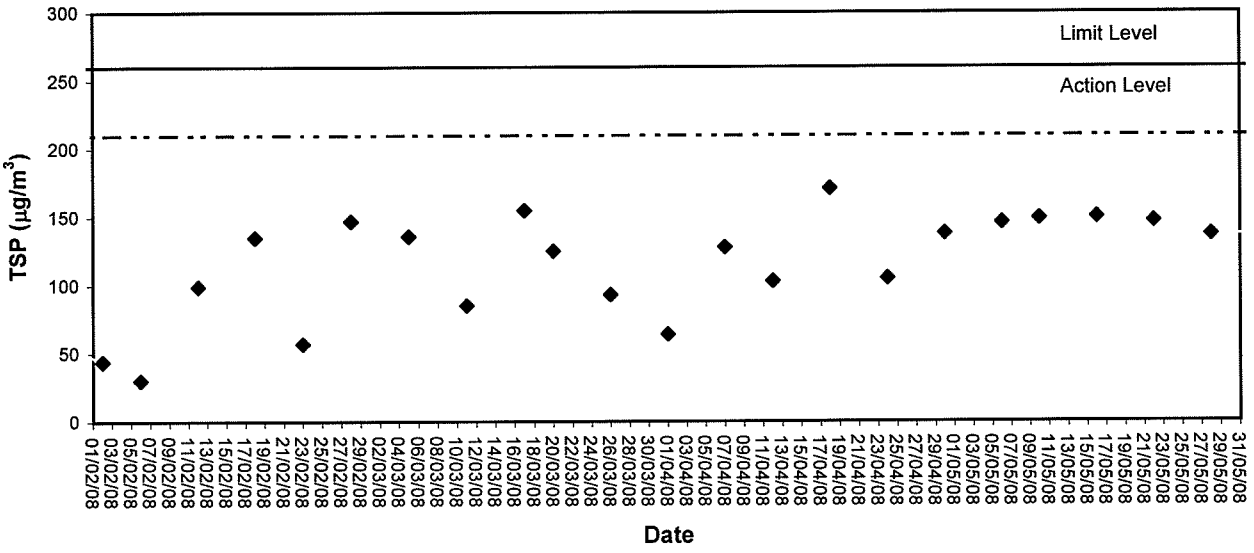
1-hour TSP level at TKO-A1 (Outside CEDD Site Office)



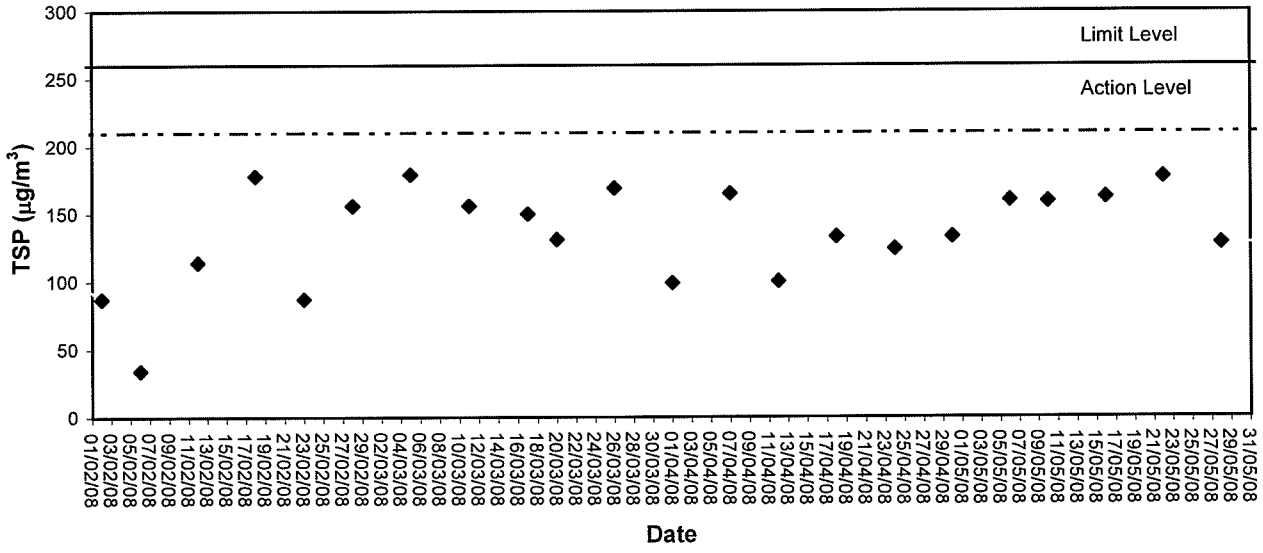
1-hour TSP level at TKO-A2 (Site Egress)



24-hour TSP level at TKO-A1 (Outside CEDD Site Office)



24-hour TSP level at TKO-A2 (Site Egress)



Appendix C1

Calibration Certificates for Impact Noise Monitoring Equipment

Hong Kong Calibration Ltd.
香港校正有限公司

Calibration Certificate

Certificate No. 81355

Customer : ETS-Testconsult Limited

Address : 8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan St., Fotan, Hong Kong.

Order No. : Q80566 **Date of receipt :** 1-Apr-08

Item Tested

Description : Sound Level Calibrator

Manufacturer : Rion

Model : NC-73 **Serial No. :** 10196943

Test Conditions

Date of Test : 3-Apr-08 **Supply Voltage :** --

Ambient Temperature : (23 ± 3)°C **Relative Humidity :** (50 ± 25) %

Test Specifications

Calibration check.

Calibration procedure : F21, Z02.

Test Results

All results were within the manufacturer's specification.

The results are shown in the attached page(s).

Main Test equipment used:

Equipment No.	Description	Cert. No.	Due Date	Traceable to
S014	Spectrum Analyzer	73602	7-Jul-08	NIM-PRC & SCL-HKSAR
S024	Sound Level Calibrator	71791	16-Jul-08	NIM-PRC & SCL-HKSAR
S041	Universal Counter	73453	22-Aug-08	SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI).
The test results apply to the above Unit-Under-Test only

Calibrated by : Dorothy Cheuk

Approved by : Steve Kwan

Date: 3-Apr-08

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street,Kwai Chung, NT,Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

Calibration Certificate

Results :

1. Level Accuracy (at 1 kHz)

UUT Nominal Value	Measured Value	Mfr's Spec.
94 dB	94.0 dB	± 1 dB

Uncertainty : ± 0.1 dB

2. Frequency Accuracy

UUT Nominal Value	Measured Value	Mfr's Spec.
1 kHz	0.990 8 kHz	± 2 %

Uncertainty : ± 0.1 %

3. Level Stability : 0.0 dB
Uncertainty : ± 0.01 dB

4. Total Harmonic Distortion : < 0.1 %
Mfr's Spec. : < 3 %
Uncertainty : ± 2.3 % of reading

Remark : 1. UUT : Unit-Under-Test
2. The uncertainty claimed is for a confidence probability of not less than 95%.
3. The above measured values are the mean of 3 measurement.
4. Atmospheric Pressure : 1 005 hPa

---------- END ----------

Hong Kong Calibration Ltd.
香港校正有限公司

Calibration Certificate

Certificate No. 81354

Customer : ETS-Testconsult Limited

Address : 8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan St., Fotan, Hong Kong.

Order No. : Q80566 **Date of receipt :** 1-Apr-08

Item Tested

Description : Precision Integrating Sound Level Meter
Manufacturer : Rion
Model : NL-31 **Serial No. :** 00110024

Test Conditions

Date of Test : 3-Apr-08 **Supply Voltage :** --
Ambient Temperature : (23 ± 3)°C **Relative Humidity :** (50 ± 25) %

Test Specifications

Calibration check.
Calibration procedure : Z01.

Test Results

All results were within the IEC 651 Type 1 & IEC 804 Type 1 specification.
The results are shown in the attached page(s).

Main Test equipment used:

Equipment No.	Description	Cert. No.	Due Date	Traceable to
S017	Multi-Function Generator	C081456	18-Mar-09	SCL-HKSAR
S024	Sound Level Calibrator	71791	16-Jul-08	NIM-PRC & SCL-HKSAR

The values given in this Calibration Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Hong Kong Calibration Ltd. shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to International System of Units (SI).
The test results apply to the above Unit-Under-Test only

Calibrated by : Dorothy Cheuk

Approved by : Steve Kwan

Date: 3-Apr-08

This Certificate is issued by:
Hong Kong Calibration Ltd.
Unit 8B, 24/F., Well Fung Industrial Centre, No. 58-76, Ta Chuen Ping Street,Kwai Chung, NT,Hong Kong.
Tel: 2425 8801 Fax: 2425 8646

Calibration Certificate

Results :

1. SPL Accuracy

UUT Setting			Applied Value (dB)	UUT Reading (dB)
Level Range (dB)	Weight	Response		
20 – 100	L_A	Fast	94.03	94.0
		Slow		94.0
	L_C	Fast		94.0
	Lp	Fast		94.1
30 – 120	L_A	Fast	94.03	94.0
		Slow		93.9
	L_C	Fast		94.0
	Lp	Fast		94.0
30 – 120	L_A	Fast	113.97	114.0
		Slow		113.9
	L_C	Fast		113.9
	Lp	Fast		113.9

IEC 651 Type 1 Spec. : ± 0.7 dB
Uncertainty : ± 0.1 dB

2. Level Stability : 0.0 dB

IEC 651 Type 1 Spec. : ± 0.3 dB
Uncertainty : ± 0.01 dB

Calibration Certificate

3. Linearity

3.1 Level Linearity

UUT Range	Applied Value (dB)	UUT Reading (dB)	Variation (dB)	IEC 651 Type 1 Spec. (Primary Indicator Range)
130	114.0	114.1	+ 0.1	± 0.7 dB
130	104.0	104.0	0.0	
120	94.0	94.0 (Ref.)	- -	
110	84.0	84.1	+ 0.1	
100	74.0	74.0	0.0	
90	64.0	64.1	+ 0.1	
80	54.0	54.2	+ 0.2	

Uncertainty : ± 0.1 dB

3.2 Differential level linearity

UUT Range	Applied Value (dB)	UUT Reading (dB)	Variation (dB)	IEC 651 Type 1 Spec.
120	84.0	84.0	0.0	± 0.4 dB
	94.0	94.0 (Ref.)	- -	
	95.0	95.1	+ 0.1	± 0.2 dB
	104.0	104.0	0.0	± 0.3 dB
	105.0	105.0	0.0	± 1.0 dB

Uncertainty : ± 0. 1 dB

4. Frequency Weighting

A weighting

Frequency	Attenuation (dB)	IEC 651 Type 1 Spec.
31.5 Hz	- 39.7	- 39.4 dB, ± 1.5 dB
63 Hz	- 26.3	- 26.2 dB, ± 1.5 dB
125 Hz	- 16.2	- 16.1 dB, ± 1 dB
250 Hz	- 8.7	- 8.6 dB, ± 1 dB
500 Hz	- 3.3	- 3.2 dB, ± 1 dB
1 kHz	0.0 (Ref.)	0 dB, ± 1 dB
2 kHz	+ 1.4	+ 1.2 dB, ± 1 dB
4 kHz	+ 1.2	+ 1.0 dB ,± 1 dB
8 kHz	- 1.0	- 1.1 dB, + 1.5 dB ~ - 3 dB
16 kHz	- 6.6	- 6.6 dB, + 3 dB ~- ∞

Uncertainty : ± 0.1 dB

Calibration Certificate

4. Time Averaging

Applied Burst duty Factor	Applied Leq Value (dB)	UUT Reading (dB)	IEC 804 Type 1 Spec.
continuous	40.0	40.0	--
1/10	40.0	40.0	± 0.5 dB
$1/10^2$	40.0	40.0	
$1/10^3$	40.0	40.0	± 1.0 dB
$1/10^4$	40.0	40.0	

Uncertainty : ± 0.1 dB

Remark : 1. UUT : Unit-Under-Test
2. The uncertainty claimed is for a confidence probability of not less than 95%.
3. Atmospheric Pressure : 1 008 hPa.

---------- END ----------

Appendix C2

Impact Noise Monitoring Results

Day-time Noise Monitoring

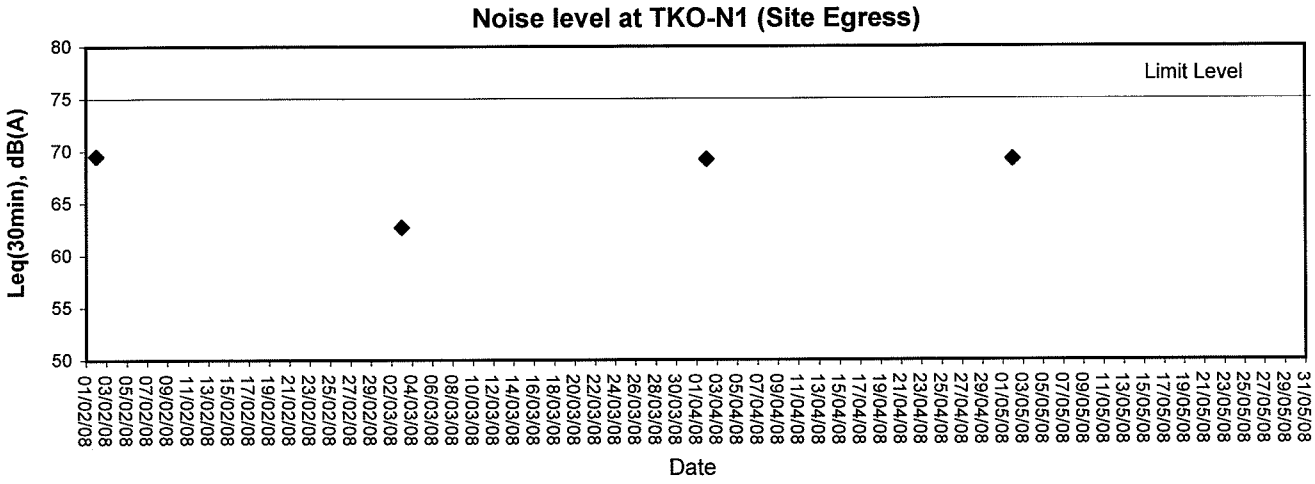
Monitoring Location: TKO-N1 (Site Egress)

Date	Start Sampling Time (hh:mm)	Noise Level dB (A)			Wind Speed (m/s)	Weather Condition
		$L_{eq(30min)}$	L_{10}	L_{90}		
02/05/08	13:15	69.2	73.0	67.5	0.8	Cloudy

Appendix C3

Graphical Plots of Impact Noise Monitoring Data

Noise Monitoring (Day-time)



Appendix D1

Calibration Certificates for Impact Marine Water Quality Monitoring Equipments

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Internal Calibration Report of Turbidimeter

Equipment Ref. No. :	ETLOBJ002	Manufacturer :	HACH
Model No. :	2100P	Serial No. :	13090000328
Date of Calibration :	21/4/08	Calibration Due :	21/7/08

Data

(4.95) (49.0) (409)

0 - 10 NTU Gelex Vial	10 - 100 NTU Gelex Vial	100 - 1000 NTU Gelex Vial
4.97	49.3	412

The equipment complies * / ~~does not comply~~ * with the specified requirements and is deemed acceptable * / ~~unacceptable~~ * for use.

* Delete as appropriate

Calibrated by : _____ Approved by : _____

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Performance Check of Salinity Meter

Equipment Ref. No. :	ETSWL00101	Manufacturer :	YSI.
Model No. :	Model 30.	Serial No. :	99G1183
Date of Calibration :	2017108	Due Date :	20171108

Ref. No. of Salinity Standard used (30ppt)	J308

Salinity Standard (ppt)	Measured Salinity (ppt)	Difference %
30	30.3	0.10%

Acceptance Criteria

Difference : <10 %

The salinity meter complies * / ~~does not comply~~ * with the specified requirements and is deemed acceptable * / ~~unacceptable~~ * for use. Measurements are traceable to national standards.

Checked by : _____ Approved by : _____

Internal Calibration Report of Dissolved Oxygen Meter

Equipment Ref. No.	:	ET/EW/003/001	Manufacturer	:	YSI
Model No.	:	95	Serial No.	:	97H 0407 1 AD
Date of Calibration	:	13/2/8	Calibration Due Date	:	12/5/8

Ref. No. of Reference Thermometer : ET/2403/01

Ref. No. of Potassium Dichromate : ET/0520/003/02

Temperature Verification

	Temperature (°C)
Thermometer reading	20.0
Meter reading	20.0

Lineality Checking

Purging time, min	DO meter reading, mg/L			Winkler Titration result, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
2	7.42	7.43	7.43	7.38	7.37	7.38	0.68
5	5.64	5.63	5.64	5.50	5.52	5.51	2.33
10	3.28	3.27	3.28	3.37	3.36	~~3.37~~ 3.37	2.71
Linear regression coefficient				0.9984			

hela 13/2/8

Zero Point Checking

DO meter reading, mg/L	0.00

Salinity Checking

Salinity (ppt)	DO meter reading, mg/L			Winkler Titration result, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
10	7.09	7.07	7.08	7.11	7.10	7.11	0.42
30	6.24	6.22	6.23	6.29	6.28	6.29	0.96

Acceptance Criteria

(1) Differenc between temperature readings from temperature sensor of DO probe and reference thermometer : < 0.5 °C
(2) Linear regression coefficient : >0.99
(3) Zero checking: 0.0mg/L
(4) Difference (%) of DO content from the meter reading and by winkler titration : within ± 5%

The equipment complies * / ~~does not comply~~ * with the specified requirements and is deemed acceptable * / ~~unacceptable~~ * for use.

* Delete as appropriate

Calibrated by : Ida Lam

Approved by :

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Form E/CE/R/12 Issue 6 (1/1) [05/05]

Internal Calibration Report of Dissolved Oxygen Meter

Equipment Ref. No. :	ET/EW/003/001	Manufacturer :	YSI.
Model No. :	95	Serial No. :	97H 0407, AD.
Date of Calibration :	13/5/08	Calibration Due Date :	12/8/08.

Ref. No. of Reference Thermometer : ET/052/1/003

Ref. No. of Potassium Dichromate : ET/052/003/02

Temperature Verification

	Temperature (°C)
Thermometer reading	23.0
Meter reading	23.0

Lineality Checking

Purging time, min	DO meter reading, mg/L			Winkler Titration result, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
2	7.71	7.73	7.72	7.69	7.67	7.68	0.52
5	5.25	5.23	5.24	5.33	5.35	5.34	1.89
10	3.37	3.35	3.36	3.24	3.26	3.25	3.33
Linear regression coefficient				0.9978			

Zero Point Checking

DO meter reading, mg/L	0.00

Salinity Checking

Salinity (ppt)	DO meter reading, mg/L			Winkler Titration result, mg/L			Difference (%) of DO Content
	1	2	Average	1	2	Average	
10	7.11	7.13	7.12	7.20	7.22	7.21	1.26
30	6.58	6.60	6.59	6.75	6.73	6.74	2.25

Acceptance Criteria

(1) Differenc between temperature readings from temperature sensor of DO probe and reference thermometer : < 0.5 °C
(2) Linear regression coefficient : >0.99
(3) Zero checking: 0.0mg/L
(4) Difference (%) of DO content from the meter reading and by winkler titration : within ± 5%

The equipment complies * / ~~does not comply~~ * with the specified requirements and is deemed acceptable * / ~~unacceptable~~ * for use.

* Delete as appropriate

Calibrated by : _____ Approved by : _____

Appendix D2

Impact Marine Water Quality Monitoring Results

Mid-Flood Tide

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Monitoring Station : TKO-C1

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
02/05/08	1430-1445	26/Cloudy	Surface	1.0	24.5	25.7	25.7	6.48	6.49	6.47	92.0	92.0	4.14	4.16	4.12	4.0	4.0	3.9
						25.6		6.50			92.0		4.17			4.0		
			Middle	10.7	25.0	28.3	28.2	6.45	6.46		91.4	91.5	4.10	4.10		3.8	3.8	
						28.1		6.46			91.5		4.09			3.8		
			Bottom	20.4	24.2	29.4	29.5	6.24	6.23	6.23	88.9	88.9	4.12	4.12		4.0	4.0	
						29.5		6.22			88.8		4.12			4.0		
05/05/08	1730-1745	28/Sunny	Surface	1.0	27.3	29.7	29.7	6.72	6.68	6.39	90.3	89.8	3.22	3.25	3.32	3.0	3.0	3.2
						29.7		6.64			89.2		3.28			3.0		
			Middle	10.1	26.7	30.4	30.5	6.14	6.10		82.5	82.0	3.61	3.64		3.5	3.5	
						30.5		6.06			81.4		3.67			3.5		
			Bottom	19.2	26.2	31.4	31.5	5.83	5.79	5.79	78.3	77.8	3.11	3.08		3.0	3.0	
						31.5		5.75			77.3		3.05			3.0		
07/05/08	0700-0715	23/Cloudy	Surface	1.0	24.3	29.5	29.3	6.64	6.63	6.50	92.9	92.8	3.64	3.65	3.76	3.5	3.5	3.6
						29.0		6.62			92.6		3.65			3.5		
			Middle	10.6	23.8	29.6	29.8	6.37	6.36		86.0	85.9	3.75	3.74		3.5	3.5	
						29.9		6.35			85.7		3.73			3.5		
			Bottom	20.2	23.2	30.2	30.2	5.99	6.01	6.01	83.6	83.7	3.90	3.89		3.8	3.8	
						30.2		6.03			83.8		3.87			3.8		
09/05/08	0730-0745	30/Sunny	Surface	1.0	26.4	30.4	30.5	6.79	6.77	6.52	96.4	96.1	3.43	3.45	3.38	3.0	3.1	3.1
						30.5		6.75			95.8		3.46			3.2		
			Middle	10.1	25.4	31.2	31.2	6.30	6.28		89.4	89.1	3.07	3.08		2.8	2.8	
						31.2		6.25			88.7		3.09			2.7		
			Bottom	19.2	24.8	31.6	31.7	6.21	6.19	6.19	87.5	87.2	3.59	3.60		3.5	3.5	
						31.7		6.17			86.9		3.61			3.5		
14/05/08	1300-1315	29/Sunny	Surface	1.0	27.2	30.8	30.8	6.69	6.67	6.50	94.9	94.7	3.94	3.93	4.05	4.0	3.9	3.9
						30.8		6.65			94.4		3.92			3.8		
			Middle	10.1	26.8	31.6	31.6	6.35	6.33		90.1	89.9	4.05	4.07		3.8	3.8	
						31.5		6.31			89.6		4.08			3.8		
			Bottom	19.2	26.1	31.8	31.8	6.18	6.17	6.17	87.1	86.9	4.14	4.16		4.0	4.0	
						31.8		6.15			86.7		4.17			4.0		
16/05/08	1500-1513	31/Sunny	Surface	1.0	28.2	29.7	29.7	6.07	6.06	5.75	81.8	81.7	3.63	3.61	3.05	3.5	3.5	2.8
						29.7		6.05			81.6		3.58			3.5		
			Middle	10.1	26.6	30.4	30.4	5.46	5.44		73.5	73.3	2.80	2.84		2.5	2.5	
						30.3		5.42			73.1		2.88			2.5		
			Bottom	19.2	26.2	30.9	30.9	5.07	5.06	5.06	68.3	68.2	2.74	2.70		2.5	2.5	
						30.9		5.05			68.1		2.65			2.5		
19/05/08	1730-1743	23/Drizzle	Surface	1.0	23.9	30.2	30.2	6.53	6.52	6.40	88.8	88.7	3.42	3.47	3.24	3.0	3.1	3.0
						30.1		6.51			88.6		3.51			3.2		
			Middle	10.3	23.1	30.8	30.8	6.30	6.28		85.7	85.5	2.97	3.01		2.8	2.8	
						30.8		6.26			85.3		3.05			2.8		
			Bottom	19.6	22.9	31.4	31.5	5.89	5.88	5.88	80.1	80.0	3.22	3.25		3.0	3.0	
						31.5		5.87			79.9		3.28			3.0		
21/05/08	1745-1800	26/Rainy	Surface	1.0	25.5	29.8	29.8	6.81	6.79	6.67	94.6	94.4	3.89	3.91	3.77	3.5	3.5	3.5
						29.7		6.77			94.1		3.92			3.5		
			Middle	10.2	24.6	30.4	30.4	6.52	6.55		90.6	91.0	3.67	3.68		3.5	3.5	
						30.4		6.57			91.3		3.69			3.5		
			Bottom	19.4	24.4	30.8	30.8	6.36	6.39	6.39	88.4	88.7	3.71	3.73		3.5	3.5	
						30.7		6.41			89.0		3.75			3.5		

Mid-Flood Tide

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Monitoring Station : TKO-C1

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
23/05/08	0700-0715	24/Fine	Surface	1.0	25.1	28.9	29.0	6.62	6.64	6.44	92.7	92.9	4.07	4.09	3.95	4.0	3.9	3.6
						29.0		6.65			93.0		4.10			3.8		
			Middle	10.6	24.8	30.1	30.1	6.24	6.25		88.4	88.5	3.98	3.98		3.5	3.5	
						30.0		6.25			88.5		3.98			3.5		
			Bottom	20.2	24.6	31.5	31.5	6.07	6.08	6.08	84.0	83.9	3.78	3.80		3.5	3.5	
						31.4		6.08			83.8		3.81			3.5		
26/05/08	0800-0815	25/Cloudy	Surface	1.0	23.8	30.8	30.8	6.78	6.76	6.39	94.6	94.4	3.27	3.31	3.01	3.0	3.0	2.7
						30.8		6.74			94.2		3.34			3.0		
			Middle	10.4	22.8	32.0	32.0	6.03	6.02		84.1	84.0	2.97	3.01		2.7	2.7	
						31.9		6.01			83.9		3.04			2.7		
			Bottom	19.8	22.3	32.7	32.7	5.49	5.47	5.47	76.6	76.4	2.68	2.73		2.5	2.5	
						32.7		5.45			76.2		2.77			2.5		
28/05/08	0930-0945	27/Rainy	Surface	1.0	26.9	26.5	26.6	6.70	6.71	6.60	93.2	93.2	3.85	3.84	3.84	3.5	3.5	3.6
						26.6		6.71			93.1		3.82			3.5		
			Middle	10.4	26.4	28.8	28.9	6.50	6.49		90.5	90.5	3.75	3.75		3.5	3.5	
						29.0		6.47			90.4		3.74			3.5		
			Bottom	19.7	25.6	30.4	30.3	6.29	6.31	6.31	88.1	88.3	3.95	3.95		3.8	3.8	
						30.2		6.32			88.5		3.94			3.8		
30/05/08	1300-1315	28/Rainy	Surface	1.0	25.8	29.1	29.1	6.70	6.72	6.57	95.1	95.4	3.21	3.22	3.42	3.0	3.0	3.3
						29.0		6.74			95.7		3.23			3.0		
			Middle	10.3	24.9	30.5	30.6	6.43	6.42		91.3	91.1	3.58	3.57		3.5	3.5	
						30.6		6.40			90.8		3.55			3.5		
			Bottom	19.6	24.8	31.1	31.1	6.30	6.33	6.33	88.8	89.2	3.48	3.49		3.3	3.3	
						31.1		6.35			89.5		3.49			3.2		

Mid-Flood Tide

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Monitoring Station : TKO-M4

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
02/05/08	1515-1530	26/Cloudy	Surface	1.0	24.7	25.4	25.4	6.34	6.34	6.32	92.1	92.3	4.21	4.20	4.21	4.0	4.0	4.1
						25.3		6.33			92.4		4.19			4.0		
			Middle	5.1	24.9	27.4	27.2	6.33	6.31		91.7	91.9	4.31	4.32		4.3	4.3	
						27.0		6.28			92.0		4.32			4.3		
			Bottom	9.2	24.8	27.5	27.5	6.25	6.27	6.27	91.2	91.1	4.10	4.11		4.0	4.0	
						27.4		6.28			91.0		4.11			4.0		
05/05/08	1814-1828	28/Sunny	Surface	1.0	27.4	29.9	29.9	6.63	6.61	6.44	89.1	88.9	3.14	3.18	3.22	3.0	3.0	3.0
						29.9		6.59			88.6		3.21			3.0		
			Middle	4.4	27.1	30.6	30.6	6.29	6.26		84.5	84.1	3.53	3.58		3.5	3.5	
						30.6		6.23			83.7		3.62			3.5		
			Bottom	7.8	26.8	31.7	31.7	5.95	5.92	5.92	79.9	79.5	2.94	2.91		2.7	2.6	
						31.7		5.88			79.0		2.88			2.5		
07/05/08	0745-0800	23/Cloudy	Surface	1.0	24.5	29.4	29.4	6.73	6.74	6.70	93.5	93.5	3.80	3.78	3.58	3.5	3.5	3.4
						29.4		6.75			93.4		3.76			3.5		
			Middle	5.2	24.2	29.7	29.7	6.68	6.67		92.8	92.7	3.41	3.42		3.2	3.3	
						29.7		6.65			92.6		3.43			3.3		
			Bottom	9.4	23.9	30.1	30.2	6.48	6.47	6.47	87.3	87.4	3.54	3.54		3.5	3.5	
						30.2		6.45			87.4		3.53			3.5		
09/05/08	0815-0830	30/Sunny	Surface	1.0	26.5	30.5	30.5	6.84	6.86	6.65	97.1	97.3	3.27	3.28	3.14	3.0	3.0	2.9
						30.5		6.87			97.5		3.29			3.0		
			Middle	4.8	25.3	31.2	31.3	6.47	6.45		91.2	90.9	2.98	2.99		2.7	2.7	
						31.4		6.42			90.5		2.99			2.7		
			Bottom	8.6	24.6	31.7	31.8	6.54	6.52	6.52	92.2	91.9	3.15	3.17		3.0	3.0	
						31.8		6.50			91.6		3.18			3.0		
14/05/08	1345-1400	29/Sunny	Surface	1.0	27.3	30.8	30.9	6.77	6.75	6.63	96.1	95.8	3.72	3.74	3.77	3.5	3.5	3.6
						30.9		6.73			95.5		3.75			3.5		
			Middle	4.8	26.5	31.6	31.6	6.52	6.50		92.5	92.3	3.89	3.90		3.5	3.7	
						31.5		6.48			92.0		3.90			3.8		
			Bottom	8.6	26.0	31.8	31.8	6.27	6.28	6.28	89.0	89.2	3.67	3.68		3.5	3.5	
						31.7		6.29			89.3		3.68			3.5		
16/05/08	1542-1556	31/Sunny	Surface	1.0	28.1	29.8	29.9	6.14	6.12	5.94	82.7	82.5	3.27	3.30	3.57	3.0	3.2	3.4
						29.9		6.10			82.3		3.33			3.3		
			Middle	4.0	27.4	30.2	30.2	5.76	5.75		77.6	77.5	3.49	3.53		3.2	3.4	
						30.2		5.74			77.4		3.57			3.5		
			Bottom	7.0	26.8	30.7	30.7	5.33	5.32	5.32	71.8	71.7	3.92	3.89		3.8	3.7	
						30.7		5.31			71.6		3.86			3.5		
19/05/08	1810-1825	23/Drizzle	Surface	1.0	23.8	30.1	30.1	6.47	6.45	6.28	88.0	87.8	2.74	2.77	3.21	2.5	2.5	2.5
						30.1		6.43			87.6		2.80			2.5		
			Middle	4.6	23.3	30.6	30.6	6.11	6.10		83.1	82.9	3.69	3.66		3.5	3.5	
						30.6		6.09			82.7		3.63			3.5		
			Bottom	8.2	23.0	31.1	31.1	5.67	5.65	5.65	77.1	76.9	3.17	3.20		3.0	1.5	
						31.1		5.63			76.7		3.22			0.0		
21/05/08	1830-1845	26/Rainy	Surface	1.0	25.4	29.8	29.8	6.89	6.87	6.76	95.7	95.5	3.68	3.67	3.78	3.5	3.5	3.6
						29.8		6.85			95.2		3.65			3.5		
			Middle	4.8	24.7	30.4	30.4	6.67	6.65		92.7	92.4	3.71	3.73		3.5	3.5	
						30.3		6.62			92.0		3.74			3.5		
			Bottom	8.6	24.6	30.9	30.9	6.51	6.53	6.53	89.8	90.0	3.94	3.94		3.8	3.8	
						30.8		6.54			90.2		3.93			3.8		

Mid-Flood Tide

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Monitoring Station : TKO-M4

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
23/05/08	0745-0800	24/Fine	Surface	1.0	25.2	29.5	29.5	6.79	6.80	6.70	94.4	94.6	3.68	3.69	3.64	3.5	3.5	3.5
						29.4		6.81			94.8		3.69			3.5		
			Middle	5.0	25.0	30.4	30.2	6.58	6.59		93.0	92.8	3.51	3.53		3.5	3.5	
						30.0		6.60			92.5		3.55			3.5		
			Bottom	9.0	24.8	30.8	30.8	6.35	6.37	6.37	90.5	90.5	3.68	3.70		3.5	3.5	
						30.7		6.39			90.5		3.72			3.5		
26/05/08	0842-0858	25/Cloudy	Surface	1.0	23.9	30.9	30.9	6.57	6.56	6.19	91.7	91.6	3.70	3.74	3.16	3.5	3.5	3.0
						30.9		6.55			91.4		3.78			3.5		
			Middle	4.8	23.4	31.6	31.7	5.84	5.82		81.5	81.3	2.63	2.59		2.5	2.5	
						31.7		5.80			81.1		2.55			2.5		
			Bottom	8.6	23.0	32.5	32.5	5.32	5.31	5.31	74.2	74.1	3.13	3.16		3.0	3.0	
						32.5		5.30			74.0		3.19			3.0		
28/05/08	1015-1030	27/Rainy	Surface	1.0	27.1	26.3	26.3	6.77	6.78	6.75	93.5	93.5	3.60	3.61	3.55	3.5	3.5	3.4
						26.3		6.79			93.5		3.62			3.5		
			Middle	4.7	26.7	27.4	27.5	6.71	6.72		92.9	93.0	3.60	3.61		3.5	3.5	
						27.6		6.72			93.1		3.62			3.5		
			Bottom	8.4	26.6	28.7	28.7	6.63	6.63	6.63	91.7	91.8	3.41	3.42		3.2	3.3	
						28.7		6.63			91.8		3.42			3.3		
30/05/08	1345-1400	28/Rainy	Surface	1.0	25.7	29.2	29.2	6.72	6.70	6.64	95.4	95.1	3.09	3.10	3.37	2.7	2.8	3.2
						29.1		6.68			94.8		3.10			2.8		
			Middle	4.7	24.9	30.5	30.5	6.59	6.57		92.9	92.6	3.43	3.45		3.3	3.3	
						30.4		6.55			92.3		3.46			3.2		
			Bottom	8.4	24.7	31.0	31.1	6.27	6.25	6.25	88.4	88.1	3.57	3.58		3.5	3.5	
						31.1		6.22			87.7		3.59			3.5		

Mid-Ebb Tide

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Monitoring Station : TKO-C1

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
02/05/08	0900-0915	24/Rainy	Surface	1.0	23.9	26.5	26.7	6.54	6.54	6.52	92.4	92.5	4.20	4.17	4.10	4.0	4.0	3.9
						26.9		6.53			92.5		4.14			4.0		
			Middle	10.4	24.3	28.9	28.9	6.50	6.51		91.7	91.8	4.09	4.10		3.8	3.9	
						28.8		6.52			91.8		4.10			4.0		
			Bottom	19.8	24.1	29.7	29.7	6.27	6.29	6.29	87.6	87.7	4.06	4.03		3.8	3.8	
						29.7		6.30			87.7		4.00			3.8		
05/05/08	1122-1137	28/Sunny	Surface	1.0	27.4	29.6	29.7	6.47	6.44	6.06	88.0	87.6	3.63	3.66	3.47	3.5	3.5	3.3
						29.7		6.41			87.2		3.69			3.5		
			Middle	9.8	26.6	30.2	30.2	5.72	5.69		77.8	77.3	3.25	3.22		3.0	3.0	
						30.2		5.65			76.8		3.19			3.0		
			Bottom	18.6	26.2	31.3	31.3	5.49	5.46	5.46	74.6	74.2	3.48	3.52		3.2	3.4	
						31.3		5.43			73.8		3.55			3.5		
07/05/08	1200-1215	28/Sunny	Surface	1.0	26.5	29.8	29.9	6.53	6.52	6.42	92.4	92.3	3.71	3.73	3.71	3.5	3.5	3.5
						29.9		6.50			92.2		3.74			3.5		
			Middle	10.2	24.5	30.2	30.1	6.31	6.32		86.3	86.2	3.64	3.62		3.5	3.5	
						30.0		6.32			86.0		3.60			3.5		
			Bottom	19.4	24.1	30.4	30.4	5.97	5.96	5.96	82.6	82.8	3.74	3.77		3.5	3.5	
						30.3		5.95			83.0		3.80			3.5		
09/05/08	1400-1415	30/Sunny	Surface	1.0	26.7	30.6	30.6	6.52	6.50	6.34	92.5	92.3	3.71	3.73	3.70	3.5	3.5	3.4
						30.6		6.48			92.0		3.74			3.5		
			Middle	9.7	25.9	31.2	31.2	6.21	6.19		88.1	87.8	3.49	3.49		3.2	3.2	
						31.1		6.16			87.4		3.48			3.2		
			Bottom	18.4	24.8	31.8	31.8	6.13	6.12	6.12	86.4	86.2	3.88	3.88		3.5	3.5	
						31.8		6.10			86.0		3.87			3.5		
14/05/08	0730-0745	29/Sunny	Surface	1.0	26.4	30.7	30.8	6.57	6.55	6.37	93.2	92.9	4.07	4.08	4.07	3.8	3.8	3.9
						30.8		6.52			92.5		4.09			3.8		
			Middle	9.7	25.9	31.4	31.5	6.21	6.19		88.1	87.9	3.96	3.96		3.8	3.8	
						31.5		6.17			87.6		3.95			3.8		
			Bottom	18.4	25.7	31.8	31.8	6.19	6.17	6.17	87.2	87.0	4.18	4.17		4.0	4.0	
						31.7		6.15			86.7		4.15			4.0		
16/05/08	0910-0924	29/Sunny	Surface	1.0	27.4	30.2	30.3	6.44	6.42	6.33	87.1	86.9	3.25	3.30	3.08	3.0	3.1	2.9
						30.3		6.40			86.7		3.34			3.2		
			Middle	9.5	26.3	30.6	30.6	6.25	6.24		84.6	84.5	3.17	3.22		3.0	3.0	
						30.6		6.23			84.4		3.26			3.0		
			Bottom	18.0	25.9	31.4	31.4	5.64	5.62	5.62	76.3	76.1	2.64	2.72		2.5	2.5	
						31.4		5.60			75.9		2.80			2.5		
19/05/08	1030-1044	26/Cloudy	Surface	1.0	25.4	29.7	29.7	6.16	6.14	6.01	83.0	82.8	4.16	4.12	3.88	4.0	4.0	3.8
						29.7		6.12			82.6		4.07			4.0		
			Middle	9.7	24.5	30.4	30.5	5.89	5.88		79.8	79.7	3.52	3.57		3.5	3.5	
						30.5		5.87			79.5		3.61			3.5		
			Bottom	18.4	24.1	30.9	30.9	5.46	5.44	5.44	73.9	73.7	3.93	3.96		3.8	3.8	
						30.9		5.42			73.5		3.99			3.8		
21/05/08	1130-1145	26/Rainy	Surface	1.0	25.1	29.6	29.7	6.61	6.59	6.46	91.8	91.6	4.15	4.17	4.05	4.0	4.0	3.9
						29.7		6.57			91.3		4.18			4.0		
			Middle	9.7	24.4	30.3	30.3	6.35	6.33		88.2	88.0	4.07	4.08		3.8	3.8	
						30.3		6.31			87.7		4.09			3.8		
			Bottom	18.4	24.3	30.6	30.7	6.29	6.27	6.27	87.4	87.1	3.92	3.92		3.8	3.8	
						30.7		6.25			86.8		3.91			3.8		

Mid-Ebb Tide

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Monitoring Station : TKO-C1

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
23/05/08	1230-1245	31/Sunny	Surface	1.0	26.9	29.4	29.5	6.51	6.50	6.33	91.3	91.3	3.75	3.83	3.86	3.5	3.5	3.6
						29.5		6.48			91.2		3.90			3.5		
			Middle	10.7	26.2	30.5	30.5	6.17	6.17		86.5	86.6	3.97	3.96		3.8	3.8	
						30.4		6.16			86.6		3.95			3.8		
			Bottom	20.4	25.7	31.6	31.6	5.97	5.96	5.96	82.9	83.0	3.80	3.81		3.5	3.5	
						31.5		5.95			83.0		3.81			3.5		
26/05/08	1540-1554	26/Cloudy	Surface	1.0	25.2	30.5	30.5	6.33	6.32	5.97	88.1	88.1	3.91	3.88	3.62	3.8	3.8	3.5
						30.4		6.31			88.0		3.85			3.8		
			Middle	9.7	23.6	31.4	31.4	5.63	5.61		78.4	78.2	4.07	4.11		4.0	4.0	
						31.4		5.59			78.0		4.14			4.0		
			Bottom	18.4	23.2	32.1	32.1	5.07	5.06	5.06	70.6	70.5	2.78	2.87		2.5	2.7	
						32.0		5.05			70.4		2.96			2.8		
28/05/08	1645-1700	28/Cloudy	Surface	1.0	27.1	25.0	25.1	6.66	6.64	6.59	93.0	92.9	3.64	3.66	3.74	3.5	3.5	3.5
						25.1		6.62			92.7		3.67			3.5		
			Middle	10.7	26.6	28.4	28.3	6.55	6.55		90.6	90.7	3.69	3.71		3.5	3.5	
						28.2		6.54			90.8		3.72			3.5		
			Bottom	20.4	26.2	30.0	30.0	6.34	6.34	6.34	88.5	88.5	3.88	3.87		3.5	3.5	
						29.9		6.33			88.4		3.86			3.5		
30/05/08	0730-0745	28/Rainy	Surface	1.0	25.6	29.2	29.2	6.52	6.54	6.36	92.5	92.8	3.72	3.74	3.59	3.5	3.5	3.4
						29.2		6.55			93.0		3.75			3.5		
			Middle	9.8	24.7	30.6	30.7	6.21	6.19		87.5	87.2	3.43	3.45		3.2	3.2	
						30.7		6.17			86.9		3.46			3.2		
			Bottom	18.6	24.5	31.0	31.1	6.03	6.05	6.05	85.0	85.3	3.58	3.59		3.5	3.5	
						31.1		6.07			85.5		3.59			3.5		

Mid-Ebb Tide

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Monitoring Station : TKO-M4

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
02/05/08	0945-1000	24/Rainy	Surface	1.0	24.0	26.0	26.0	6.60	6.61	6.57	92.8	92.8	4.45	4.46	4.42	4.3	4.2	4.3
						26.0		6.61			92.7		4.47			4.0		
			Middle	4.7	24.3	27.1	27.2	6.54	6.54		92.3	92.4	4.50	4.51		4.5	4.5	
						27.2		6.53			92.4		4.51			4.5		
			Bottom	8.4	24.4	27.5	27.5	6.42	6.43	6.43	91.3	91.4	4.30	4.29		4.3	4.3	
						27.4		6.43			91.4		4.28			4.3		
05/05/08	1045-1058	28/Sunny	Surface	1.0	27.6	29.8	29.8	6.34	6.32	6.13	86.2	86.0	3.67	3.70	3.47	3.5	3.5	3.3
						29.8		6.30			85.7		3.72			3.5		
			Middle	4.1	27.0	30.4	30.4	5.97	5.94		81.2	80.7	3.08	3.11		3.0	2.9	
						30.3		5.90			80.2		3.14			2.8		
			Bottom	7.2	26.5	31.5	31.5	5.66	5.63	5.63	77.0	76.6	3.65	3.61		3.5	3.5	
						31.5		5.60			76.1		3.57			3.5		
07/05/08	1245-1300	28/Sunny	Surface	1.0	26.7	29.5	29.6	6.63	6.64	6.60	92.5	92.3	3.34	3.36	3.45	3.2	3.1	3.3
						29.7		6.64			92.0		3.37			3.0		
			Middle	5.1	26.3	29.9	29.9	6.57	6.57		91.5	91.7	3.61	3.62		3.5	3.5	
						29.9		6.56			91.8		3.62			3.5		
			Bottom	9.2	25.5	30.1	30.1	6.40	6.39	6.39	86.5	86.5	3.40	3.39		3.2	3.3	
						30.1		6.37			86.4		3.38			3.3		
10/05/08	1445-1500	30/Sunny	Surface	1.0	26.8	30.6	30.6	6.69	6.67	6.47	94.9	94.7	3.02	3.03	3.24	2.7	2.9	3.1
						30.5		6.65			94.4		3.04			3.0		
			Middle	4.3	25.7	31.2	31.2	6.29	6.27		89.3	89.0	3.54	3.53		3.5	3.5	
						31.2		6.25			88.7		3.52			3.5		
			Bottom	7.6	24.9	31.9	31.9	6.34	6.36	6.36	90.0	90.3	3.15	3.17		3.0	3.0	
						31.8		6.38			90.5		3.18			3.0		
14/05/08	0815-0830	29/Sunny	Surface	1.0	26.5	30.8	30.8	6.64	6.62	6.47	94.2	94.0	3.82	3.81	3.94	3.5	3.5	3.7
						30.8		6.60			93.7		3.80			3.5		
			Middle	4.4	25.8	31.5	31.5	6.34	6.32		90.0	89.7	4.06	4.07		4.0	3.9	
						31.5		6.30			89.4		4.07			3.8		
			Bottom	7.8	25.7	31.8	31.8	6.37	6.36	6.36	89.8	89.6	3.95	3.94		3.8	3.8	
						31.8		6.34			89.3		3.92			3.8		
16/05/08	0952-1005	29/Sunny	Surface	1.0	27.6	30.1	30.1	6.35	6.33	6.21	85.9	85.7	3.69	3.72	3.44	3.5	3.5	3.2
						30.1		6.31			85.5		3.75			3.5		
			Middle	3.6	27.0	30.4	30.5	6.11	6.09		82.7	82.5	3.43	3.49		3.0	3.1	
						30.5		6.07			82.3		3.55			3.2		
			Bottom	6.2	26.4	30.9	30.9	5.72	5.71	5.71	77.4	77.3	3.14	3.11		3.0	3.0	
						30.8		5.70			77.2		3.08			3.0		
19/05/08	1112-1126	26/Cloudy	Surface	1.0	25.8	29.5	29.6	6.34	6.33	6.12	85.9	85.8	3.67	3.70	3.65	3.5	3.5	3.4
						29.6		6.32			85.7		3.72			3.5		
			Middle	4.2	25.0	30.2	30.2	5.92	5.90		80.2	80.0	3.41	3.45		3.0	3.1	
						30.2		5.88			79.8		3.49			3.2		
			Bottom	7.4	24.6	30.7	30.7	5.57	5.56	5.56	75.4	75.3	3.84	3.81		3.5	3.5	
						30.7		5.55			75.2		3.77			3.5		
21/05/08	1215-1230	26/Rainy	Surface	1.0	25.2	29.7	29.7	6.73	6.71	6.59	93.5	93.2	3.74	3.76	3.86	3.5	3.5	3.6
						29.7		6.69			92.9		3.77			3.5		
			Middle	4.4	24.7	30.4	30.4	6.48	6.47		90.0	89.8	3.98	3.97		4.0	3.9	
						30.3		6.45			89.6		3.96			3.8		
			Bottom	7.8	24.4	30.8	30.8	6.32	6.30	6.30	87.8	87.5	3.86	3.86		3.5	3.5	
						30.8		6.27			87.1		3.85			3.5		

Mid-Ebb Tide

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

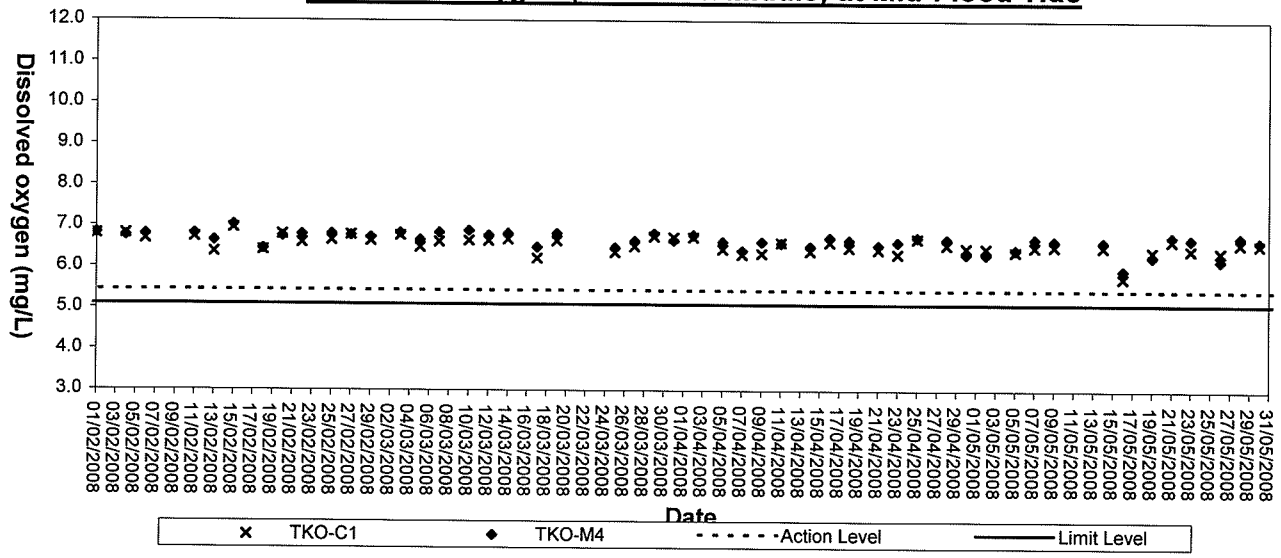
Monitoring Station : TKO-M4

Date	Sampling Duration	Ambient Temp (°C) / Weather Condition	Monitoring Depth (m)		Temp (°C)	Salinity (ppt)		Dissolved Oxygen (mg/L)			Dissolved Oxygen Saturation (%)		Turbidity (NTU)			Suspended Solids (mg/L)		
						Value	Average	Value	Average	Depth-average	Value	Average	Value	Average	Depth-average	Value	Average	Depth-average
23/05/08	1315-1330	31/Sunny	Surface	1.0	27.0	29.7	29.8	6.62	6.62	6.55	92.9	92.9	3.62	3.63	3.61	3.5	3.5	3.5
						29.9		6.61			92.8		3.64			3.5		
			Middle	5.4	26.7	30.5	30.5	6.50	6.49		91.5	91.3	3.69	3.70		3.5	3.5	
						30.5		6.47			91.0		3.70			3.5		
			Bottom	9.8	26.3	31.0	31.0	6.28	6.27	6.27	88.7	88.7	3.50	3.49		3.5	3.4	
						31.0		6.26			88.6		3.48			3.2		
26/05/08	1500-1513	26/Cloudy	Surface	1.0	25.0	30.7	30.7	6.22	6.20	5.84	86.5	86.3	3.54	3.47	3.31	3.5	3.5	3.2
						30.6		6.18			86.1		3.39			3.5		
			Middle	4.3	23.8	31.2	31.3	5.49	5.48		76.4	76.3	3.21	3.25		3.0	3.0	
						31.4		5.47			76.2		3.29			3.0		
			Bottom	7.6	23.4	31.6	31.6	4.86	4.84	4.84	67.6	67.3	3.18	3.22		3.0	3.0	
						31.6		4.82			67.0		3.25			3.0		
28/05/08	1730-1745	28/Cloudy	Surface	1.0	27.0	25.3	25.3	6.75	6.74	6.69	93.6	93.5	3.40	3.41	3.52	3.3	3.2	3.4
						25.2		6.73			93.4		3.41			3.0		
			Middle	4.5	26.9	26.8	26.9	6.65	6.65		92.1	92.3	3.51	3.52		3.5	3.5	
						26.9		6.64			92.4		3.52			3.5		
			Bottom	8.0	26.7	27.7	27.7	6.55	6.54	6.54	91.2	91.3	3.61	3.63		3.5	3.5	
						27.7		6.53			91.3		3.64			3.5		
30/05/08	0815-0830	28/Rainy	Surface	1.0	25.4	29.4	29.4	6.67	6.65	6.51	94.7	94.4	3.43	3.44	3.48	3.2	3.1	3.3
						29.3		6.62			94.0		3.44			3.0		
			Middle	4.4	24.9	30.7	30.7	6.39	6.37		90.7	90.4	3.52	3.53		3.5	3.5	
						30.6		6.35			90.1		3.54			3.5		
			Bottom	7.8	24.4	30.9	31.0	6.18	6.20	6.20	87.1	87.4	3.49	3.48		3.2	3.2	
						31.0		6.22			87.7		3.47			3.2		

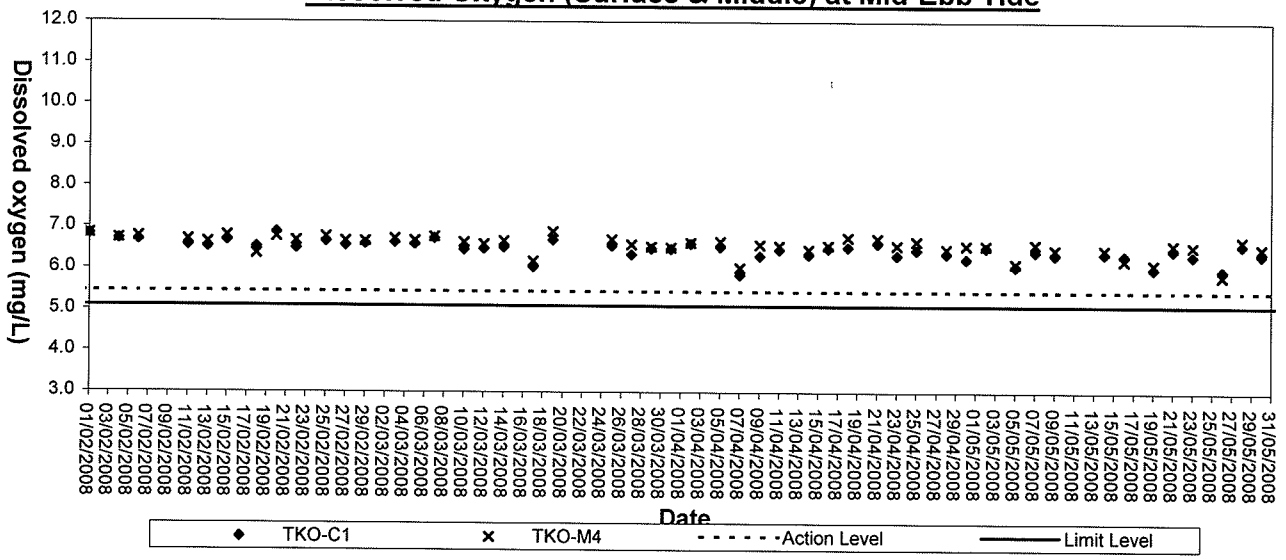
Appendix D3

Graphical Plots of Impact Marine Water Quality Monitoring Data

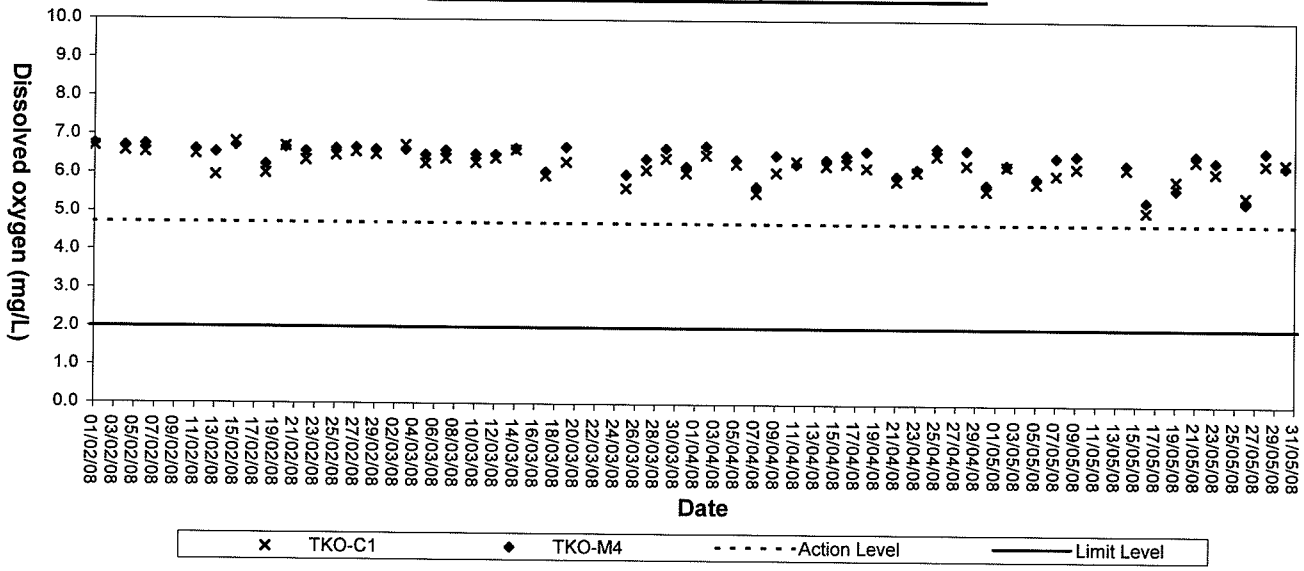
Dissolved Oxygen (Surface & Middle) at Mid-Flood Tide



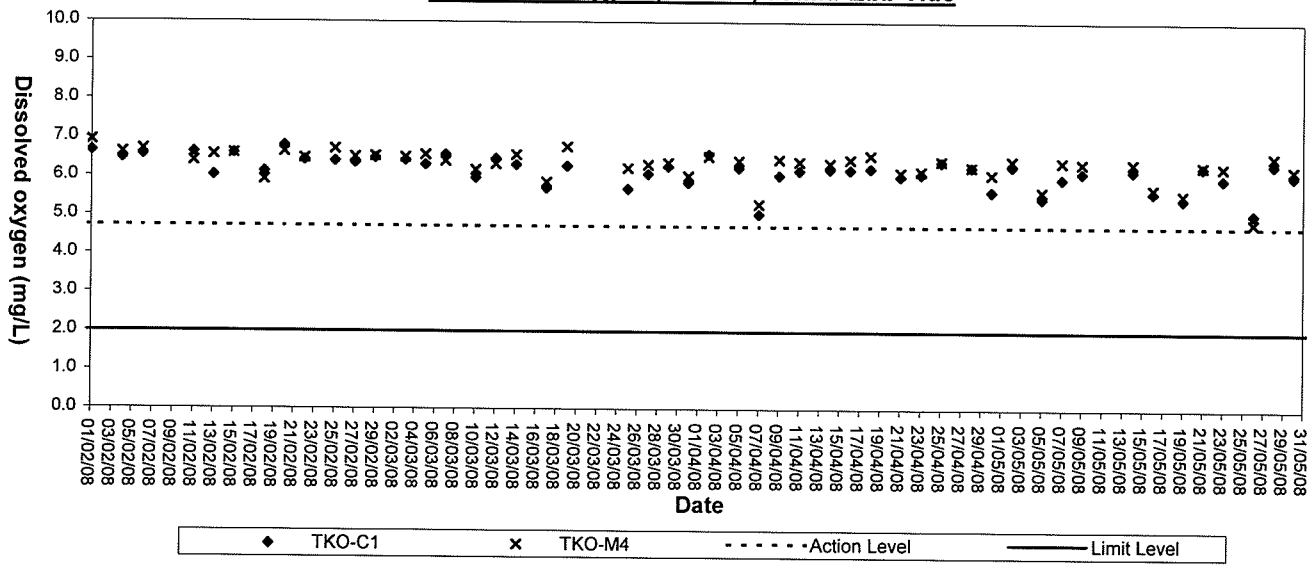
Dissolved Oxygen (Surface & Middle) at Mid-Ebb Tide



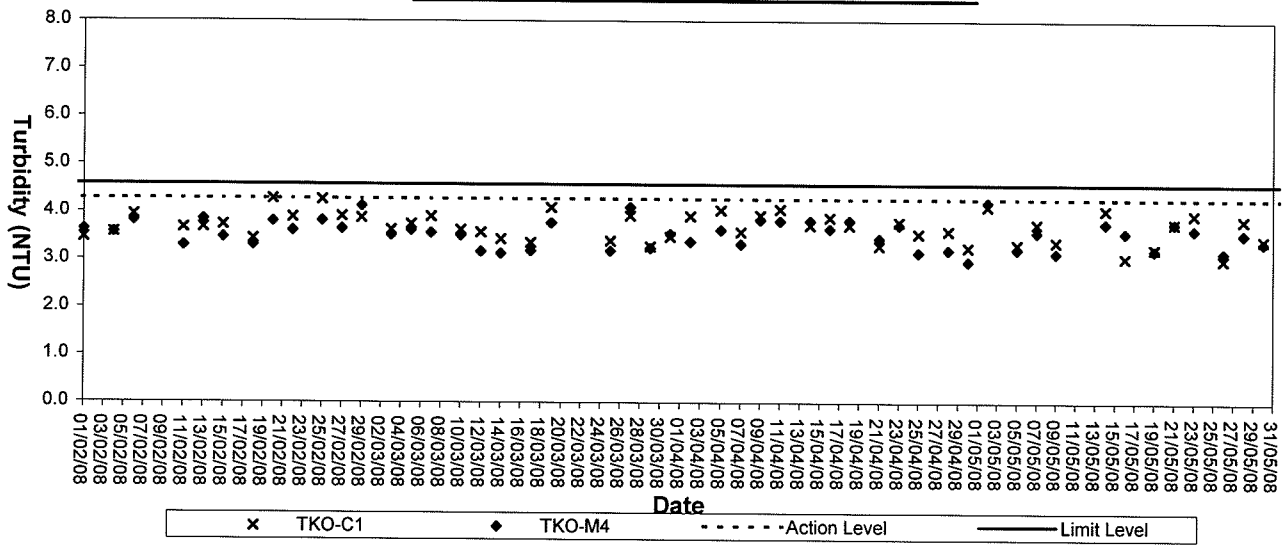
Dissolved Oxygen (Bottom) at Mid-Flood Tide



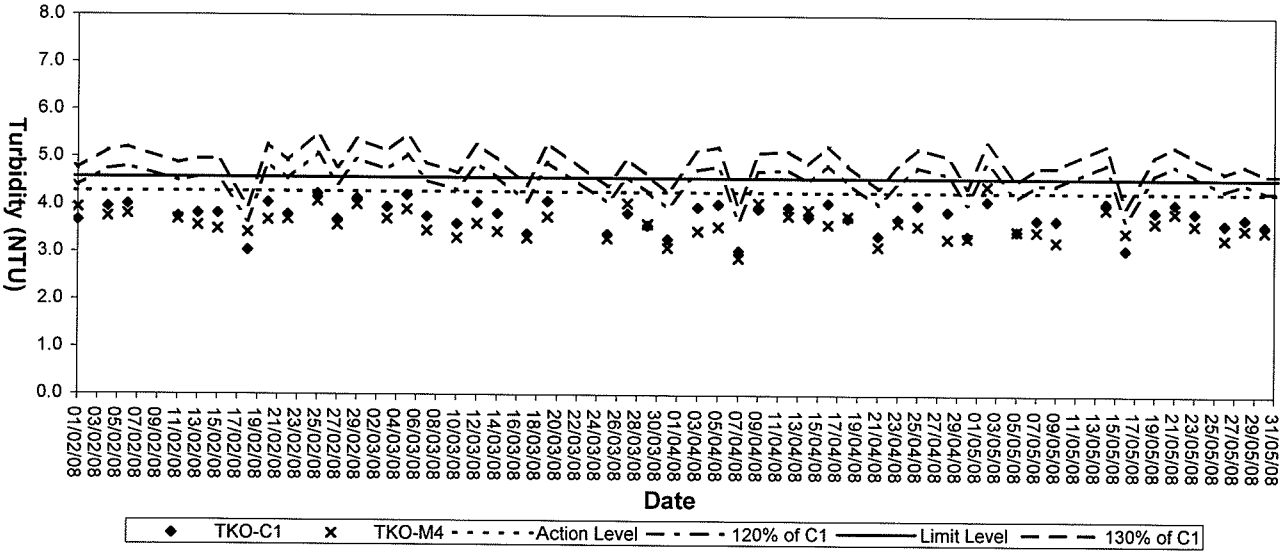
Dissolved Oxygen (Bottom) at Mid-Ebb Tide



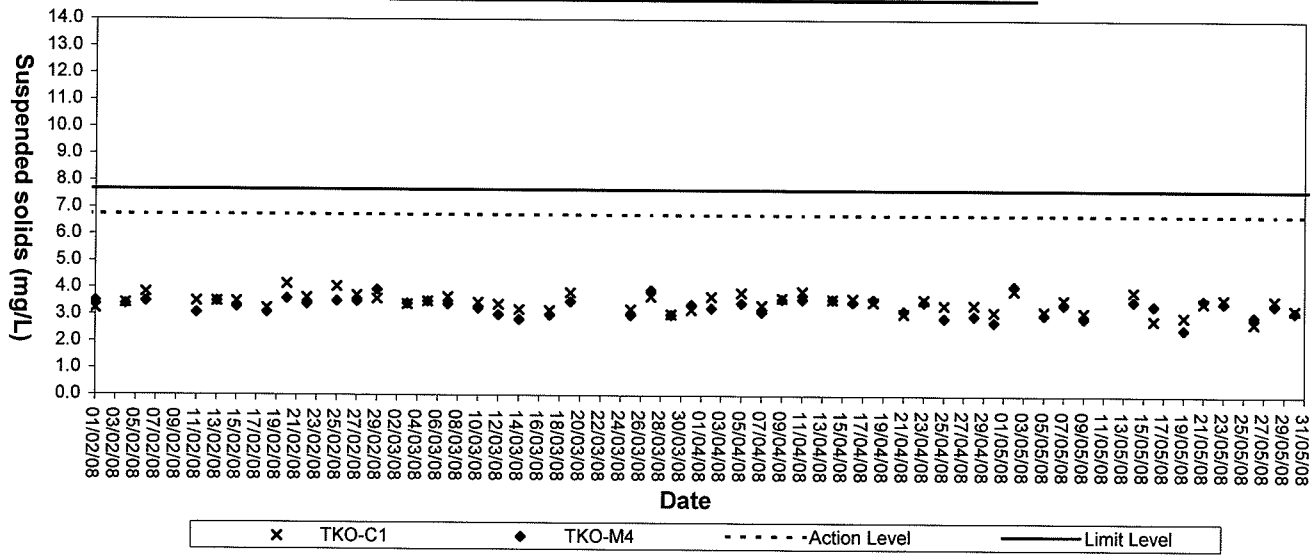
Turbidity (Depth-average) at Mid-Flood Tide



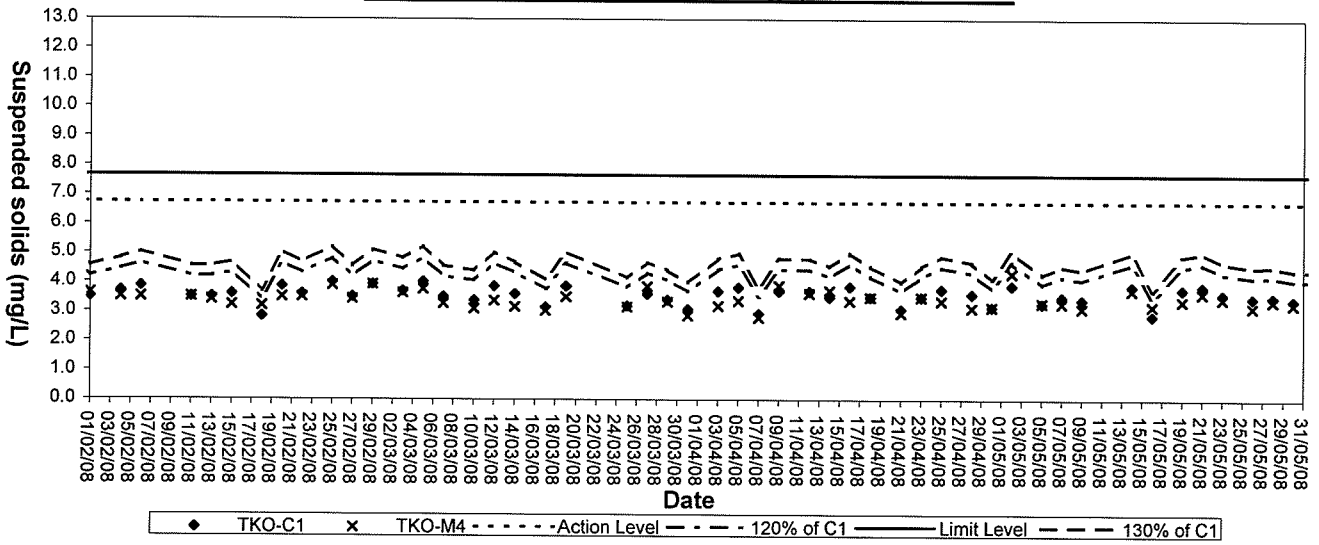
Turbidity(Depth-average) at Mid-Ebb Tide



Suspended solids (Depth-average) at Mid-Flood Tide



Suspended Solids (Depth-average) at Mid-Ebb Tide



Appendix E

Weather Condition

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s) Average	Wind Speed (m/s) Hi	Wind Direction	Period (Min)
01/05/2008	12:00 AM	21.1	21.1	20.8	0.1	2.0	NWW	30
01/05/2008	12:30 AM	21.2	21.2	21.1	0.4	0.9	NEN	30
01/05/2008	1:00 AM	21.2	21.2	21.1	0.1	1.6	SWW	30
01/05/2008	1:30 AM	21.1	21.2	20.8	0.1	0.5	NWN	30
01/05/2008	2:00 AM	21.1	21.5	21.1	0.2	0.5	NWW	30
01/05/2008	2:30 AM	21.3	21.4	21.2	0.1	1.8	NEE	30
01/05/2008	3:00 AM	21.4	21.6	21.1	0.2	1.5	NWN	30
01/05/2008	3:30 AM	21.5	21.7	21.2	0.1	1.1	N	30
01/05/2008	4:00 AM	21.6	21.8	21.5	0.1	1.7	SWW	30
01/05/2008	4:30 AM	21.6	22.0	21.4	0.1	1.6	N	30
01/05/2008	5:00 AM	21.6	21.6	21.5	0.4	0.7	SWW	30
01/05/2008	5:30 AM	21.7	22.0	21.7	0.3	1.4	NEE	30
01/05/2008	6:00 AM	21.7	22.1	21.7	0.1	0.1	N	30
01/05/2008	6:30 AM	21.9	22.2	21.8	0.2	0.7	N	30
01/05/2008	7:00 AM	22.0	22.4	21.9	0.1	2.4	SES	30
01/05/2008	7:30 AM	22.0	22.2	21.8	0.2	0.9	NEE	30
01/05/2008	8:00 AM	22.0	22.2	21.8	0.2	2.0	SEE	30
01/05/2008	8:30 AM	22.5	22.7	22.4	0.1	1.5	N	30
01/05/2008	9:00 AM	22.7	22.9	22.6	0.1	0.2	N	30
01/05/2008	9:30 AM	23.3	23.5	23.1	0.1	2.1	NWN	30
01/05/2008	10:00 AM	24.0	24.1	24.0	0.6	1.9	SEE	30
01/05/2008	10:30 AM	24.4	24.8	24.3	0.1	0.4	SES	30
01/05/2008	11:00 AM	24.9	25.0	24.7	1.1	1.3	SES	30
01/05/2008	11:30 AM	25.5	25.6	25.4	0.4	1.3	SEE	30
01/05/2008	12:00 PM	25.9	26.1	25.7	0.5	1.6	SES	30
01/05/2008	12:30 PM	26.2	26.3	26.0	0.7	1.6	SES	30
01/05/2008	1:00 PM	26.7	26.7	26.6	0.7	2.7	SEE	30
01/05/2008	1:30 PM	26.4	26.8	26.2	1.2	3.0	E	30
01/05/2008	2:00 PM	26.6	26.7	26.5	1.5	2.6	SEE	30
01/05/2008	2:30 PM	26.3	26.5	26.3	2.6	4.0	NEE	30
01/05/2008	3:00 PM	26.4	26.8	26.2	2.2	2.6	NEE	30
01/05/2008	3:30 PM	26.0	26.3	25.8	1.5	2.6	NEE	30
01/05/2008	4:00 PM	25.9	26.0	25.8	1.2	2.5	NEE	30
01/05/2008	4:30 PM	25.1	25.1	24.9	1.3	1.3	NEE	30
01/05/2008	5:00 PM	24.9	25.1	24.8	1.2	3.0	NEE	30
01/05/2008	5:30 PM	24.8	25.0	24.7	1.6	3.9	NEE	30
01/05/2008	6:00 PM	24.2	24.5	24.2	1.8	3.6	NEE	30
01/05/2008	6:30 PM	23.9	24.1	23.8	1.7	1.9	NEE	30
01/05/2008	7:00 PM	23.7	23.8	23.6	0.5	1.6	NEE	30
01/05/2008	7:30 PM	23.1	23.1	22.9	0.1	1.4	NEE	30
01/05/2008	8:00 PM	23.1	23.5	23.1	0.3	1.2	NEE	30
01/05/2008	8:30 PM	23.0	23.1	22.8	0.1	1.6	SES	30
01/05/2008	9:00 PM	23.1	23.1	23.1	0.9	1.1	SWS	30
01/05/2008	9:30 PM	23.2	23.2	23.2	0.8	1.6	SWS	30
01/05/2008	10:00 PM	23.2	23.3	23.1	0.1	2.0	SES	30
01/05/2008	10:30 PM	23.0	23.2	22.9	0.1	2.2	NWW	30
01/05/2008	11:00 PM	22.9	23.1	22.6	0.1	1.1	N	30
01/05/2008	11:30 PM	22.8	23.1	22.5	0.1	2.0	N	30
02/05/2008	12:00 AM	22.7	23.0	22.6	0.1	2.4	SEE	30
02/05/2008	12:30 AM	22.6	23.0	22.3	0.3	0.5	NWW	30
02/05/2008	1:00 AM	22.5	22.9	22.3	0.1	0.6	SWW	30
02/05/2008	1:30 AM	22.6	22.7	22.5	0.1	0.4	N	30
02/05/2008	2:00 AM	22.5	22.8	22.3	0.1	0.2	N	30
02/05/2008	2:30 AM	22.4	22.8	22.1	0.0	0.2	N	30
02/05/2008	3:00 AM	22.4	22.5	22.2	0.0	2.3	N	30
02/05/2008	3:30 AM	22.3	22.4	22.3	0.1	1.9	N	30
02/05/2008	4:00 AM	22.3	22.6	22.0	0.1	2.2	N	30
02/05/2008	4:30 AM	22.1	22.4	21.8	0.0	0.3	N	30
02/05/2008	5:00 AM	22.2	22.6	22.2	0.1	0.4	N	30
02/05/2008	5:30 AM	22.3	22.7	22.3	0.2	1.7	NWW	30
02/05/2008	6:00 AM	22.3	22.7	22.1	0.1	1.7	N	30
02/05/2008	6:30 AM	22.4	22.5	22.2	0.4	0.9	NWN	30
02/05/2008	7:00 AM	22.6	22.6	22.5	0.1	0.9	N	30
02/05/2008	7:30 AM	22.6	22.9	22.4	0.2	0.3	N	30
02/05/2008	8:00 AM	22.8	22.9	22.7	0.1	1.1	N	30
02/05/2008	8:30 AM	22.8	23.2	22.5	0.9	2.7	NWN	30
02/05/2008	9:00 AM	22.5	22.8	22.3	1.0	2.3	NWN	30
02/05/2008	9:30 AM	22.4	22.6	22.2	0.7	0.8	NWN	30
02/05/2008	10:00 AM	22.6	23.0	22.4	1.4	1.4	NEE	30
02/05/2008	10:30 AM	22.3	22.4	22.1	1.8	4.0	NEE	30
02/05/2008	11:00 AM	22.5	22.7	22.4	1.1	3.0	NEE	30
02/05/2008	11:30 AM	23.0	23.2	22.8	0.8	2.7	NEE	30
02/05/2008	12:00 PM	23.1	23.4	23.0	1.6	2.9	NEE	30
02/05/2008	12:30 PM	23.1	23.2	23.0	2.2	4.5	NEE	30
02/05/2008	1:00 PM	23.0	23.3	22.9	2.3	4.4	NEE	30
02/05/2008	1:30 PM	23.9	24.2	23.8	1.2	3.0	NEN	30
02/05/2008	2:00 PM	24.3	24.6	24.3	1.9	3.5	NEN	30
02/05/2008	2:30 PM	24.0	24.4	23.7	2.2	2.6	NEE	30
02/05/2008	3:00 PM	23.7	23.9	23.6	1.6	3.5	NEN	30
02/05/2008	3:30 PM	23.6	23.6	23.4	2.1	2.2	NEN	30
02/05/2008	4:00 PM	23.6	24.0	23.6	1.8	2.9	NEN	30
02/05/2008	4:30 PM	23.5	23.7	23.4	2.1	2.3	NEN	30
02/05/2008	5:00 PM	23.4	23.4	23.3	1.4	3.5	NEN	30
02/05/2008	5:30 PM	23.2	23.2	23.0	1.6	2.7	NEN	30
02/05/2008	6:00 PM	23.0	23.1	22.8	1.0	2.5	NWN	30
02/05/2008	6:30 PM	22.9	23.3	22.7	1.4	2.5	N	30
02/05/2008	7:00 PM	22.8	23.0	22.6	1.5	3.5	E	30
02/05/2008	7:30 PM	22.9	23.1	22.7	1.1	2.7	NE	30
02/05/2008	8:00 PM	22.9	23.2	22.8	1.5	1.8	NEN	30
02/05/2008	8:30 PM	22.9	23.1	22.8	1.0	3.3	NEE	30
02/05/2008	9:00 PM	23.0	23.2	22.7	1.2	1.7	NEN	30
02/05/2008	9:30 PM	22.9	23.1	22.6	1.3	3.3	NEN	30
02/05/2008	10:00 PM	22.9	23.3	22.6	1.7	4.0	NEN	30
02/05/2008	10:30 PM	22.9	23.0	22.6	1.8	3.4	NEN	30
02/05/2008	11:00 PM	22.9	23.0	22.7	0.8	2.9	NWN	30
02/05/2008	11:30 PM	22.7	22.8	22.5	1.0	1.9	NEN	30

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s) Average	Wind Speed (m/s) Hi	Wind Direction	Period (Min)
03/05/2008	12:00 AM	22.8	22.8	22.5	0.6	2.2	NEN	30
03/05/2008	12:30 AM	22.8	22.9	22.8	1.1	2.8	SEE	30
03/05/2008	1:00 AM	22.8	23.0	22.7	0.6	0.8	NEE	30
03/05/2008	1:30 AM	22.7	22.9	22.5	1.9	4.0	NEN	30
03/05/2008	2:00 AM	22.6	22.7	22.5	1.6	3.4	NEN	30
03/05/2008	2:30 AM	22.5	22.9	22.4	1.1	3.3	NEN	30
03/05/2008	3:00 AM	22.6	22.8	22.5	0.8	1.5	NEE	30
03/05/2008	3:30 AM	22.6	22.7	22.6	1.1	3.3	NEE	30
03/05/2008	4:00 AM	22.7	22.9	22.4	0.8	1.3	SEE	30
03/05/2008	4:30 AM	22.6	22.8	22.4	0.2	1.1	SEE	30
03/05/2008	5:00 AM	22.8	23.0	22.8	1.0	2.6	NEN	30
03/05/2008	5:30 AM	22.6	22.6	22.5	1.0	1.3	NEN	30
03/05/2008	6:00 AM	22.7	23.0	22.4	1.0	2.9	NEN	30
03/05/2008	6:30 AM	22.8	23.1	22.7	1.0	3.1	NEN	30
03/05/2008	7:00 AM	22.9	23.1	22.7	0.5	2.2	N	30
03/05/2008	7:30 AM	23.0	23.4	22.8	1.5	3.6	NEN	30
03/05/2008	8:00 AM	23.0	23.2	22.9	1.6	1.8	NEE	30
03/05/2008	8:30 AM	23.3	23.7	23.1	1.6	3.1	NEE	30
03/05/2008	9:00 AM	23.6	24.0	23.5	1.2	1.3	NEE	30
03/05/2008	9:30 AM	23.9	24.0	23.8	1.9	3.4	NE	30
03/05/2008	10:00 AM	24.0	24.4	23.9	1.2	2.2	NEE	30
03/05/2008	10:30 AM	24.1	24.4	24.1	0.7	1.0	NEE	30
03/05/2008	11:00 AM	24.2	24.5	24.0	2.5	4.5	NEN	30
03/05/2008	11:30 AM	24.0	24.1	24.0	1.4	2.2	NEN	30
03/05/2008	12:00 PM	24.3	24.3	24.1	1.3	1.9	N	30
03/05/2008	12:30 PM	24.6	24.8	24.3	1.6	1.8	NEN	30
03/05/2008	1:00 PM	24.8	25.0	24.6	1.7	2.8	NEE	30
03/05/2008	1:30 PM	24.9	25.1	24.7	2.2	3.9	NEN	30
03/05/2008	2:00 PM	24.8	25.2	24.7	2.7	4.0	NE	30
03/05/2008	2:30 PM	24.5	24.8	24.4	3.2	4.3	NEN	30
03/05/2008	3:00 PM	24.5	24.6	24.2	3.0	5.1	NEN	30
03/05/2008	3:30 PM	24.2	24.5	24.1	2.5	3.7	NE	30
03/05/2008	4:00 PM	24.2	24.6	24.0	0.9	2.1	NEN	30
03/05/2008	4:30 PM	24.1	24.4	24.0	1.7	3.4	NE	30
03/05/2008	5:00 PM	24.0	24.1	23.8	1.5	3.0	NE	30
03/05/2008	5:30 PM	23.9	24.0	23.9	1.7	2.3	NEN	30
03/05/2008	6:00 PM	23.9	24.0	23.9	1.6	2.4	NEN	30
03/05/2008	6:30 PM	23.9	24.1	23.6	1.5	2.2	NEN	30
03/05/2008	7:00 PM	23.9	24.2	23.8	2.1	3.4	NE	30
03/05/2008	7:30 PM	23.8	23.9	23.7	2.0	2.1	NEE	30
03/05/2008	8:00 PM	23.7	23.8	23.6	1.7	2.0	NEN	30
03/05/2008	8:30 PM	23.7	23.9	23.4	0.9	1.9	NEN	30
03/05/2008	9:00 PM	23.6	23.6	23.4	1.4	2.3	NEN	30
03/05/2008	9:30 PM	23.7	23.9	23.4	1.7	2.1	NEN	30
03/05/2008	10:00 PM	23.9	24.2	23.6	1.2	2.6	NEE	30
03/05/2008	10:30 PM	24.0	24.3	23.9	1.2	2.5	NEN	30
03/05/2008	11:00 PM	23.8	23.9	23.5	1.1	3.3	NE	30
03/05/2008	11:30 PM	23.7	23.8	23.4	1.7	2.4	NEN	30
04/05/2008	12:00 AM	23.7	23.9	23.5	1.5	2.4	NEN	30
04/05/2008	12:30 AM	23.5	23.6	23.4	0.5	2.8	NEN	30
04/05/2008	1:00 AM	23.4	23.5	23.1	0.9	1.0	NEE	30
04/05/2008	1:30 AM	23.4	23.5	23.3	0.9	2.9	NEN	30
04/05/2008	2:00 AM	23.4	23.6	23.1	1.1	2.7	N	30
04/05/2008	2:30 AM	23.4	23.8	23.3	0.3	1.4	NEE	30
04/05/2008	3:00 AM	23.4	23.4	23.2	1.1	2.3	NEN	30
04/05/2008	3:30 AM	23.3	23.3	23.1	0.6	2.6	SES	30
04/05/2008	4:00 AM	23.2	23.5	23.1	1.3	3.4	NEN	30
04/05/2008	4:30 AM	23.2	23.5	22.9	1.5	2.8	NEN	30
04/05/2008	5:00 AM	23.2	23.5	23.2	0.3	0.5	NEE	30
04/05/2008	5:30 AM	23.1	23.3	22.8	0.6	0.8	NWN	30
04/05/2008	6:00 AM	23.1	23.4	22.8	0.7	2.5	NEN	30
04/05/2008	6:30 AM	23.1	23.3	23.0	0.2	1.2	NWN	30
04/05/2008	7:00 AM	23.1	23.1	23.1	0.6	2.2	N	30
04/05/2008	7:30 AM	23.4	23.6	23.2	1.4	2.3	NEN	30
04/05/2008	8:00 AM	23.7	23.8	23.5	1.3	1.7	NEN	30
04/05/2008	8:30 AM	24.4	24.4	24.3	0.6	0.7	NEN	30
04/05/2008	9:00 AM	24.9	24.9	24.7	1.3	2.3	NEN	30
04/05/2008	9:30 AM	25.3	25.6	25.2	1.7	2.2	NEE	30
04/05/2008	10:00 AM	25.9	25.9	25.6	1.6	2.6	NEN	30
04/05/2008	10:30 AM	26.9	26.9	26.9	1.6	2.0	NEE	30
04/05/2008	11:00 AM	27.3	27.5	27.1	2.3	4.1	NE	30
04/05/2008	11:30 AM	28.6	28.8	28.6	1.6	2.7	S	30
04/05/2008	12:00 PM	29.0	29.2	28.7	1.6	2.5	SES	30
04/05/2008	12:30 PM	28.4	28.6	28.3	1.2	3.1	S	30
04/05/2008	1:00 PM	28.9	28.9	28.9	1.4	1.8	SES	30
04/05/2008	1:30 PM	29.0	29.3	28.7	1.0	2.5	S	30
04/05/2008	2:00 PM	29.0	29.3	28.8	2.2	4.3	NEE	30
04/05/2008	2:30 PM	29.9	30.3	29.6	1.5	3.0	SES	30
04/05/2008	3:00 PM	29.2	29.4	28.9	1.7	3.9	SES	30
04/05/2008	3:30 PM	29.3	29.5	29.2	1.5	3.0	SWS	30
04/05/2008	4:00 PM	28.7	29.0	28.5	1.6	2.5	SWS	30
04/05/2008	4:30 PM	27.2	27.4	27.1	1.8	3.4	SWS	30
04/05/2008	5:00 PM	26.9	26.9	26.6	2.1	3.9	SWS	30
04/05/2008	5:30 PM	26.1	26.3	25.8	1.2	1.5	SWS	30
04/05/2008	6:00 PM	26.0	26.2	26.0	1.1	1.3	SWW	30
04/05/2008	6:30 PM	25.8	26.1	25.7	1.7	2.3	SWS	30
04/05/2008	7:00 PM	25.6	25.8	25.4	0.9	1.6	SWS	30
04/05/2008	7:30 PM	25.3	25.5	25.1	0.5	0.9	N	30
04/05/2008	8:00 PM	25.0	25.1	24.9	1.0	2.9	SWS	30
04/05/2008	8:30 PM	24.9	25.2	24.7	0.1	1.3	SES	30
04/05/2008	9:00 PM	24.9	25.1	24.9	0.1	1.1	N	30
04/05/2008	9:30 PM	24.4	24.6	24.3	0.3	2.1	SES	30
04/05/2008	10:00 PM	24.4	24.5	24.1	0.4	0.6	SES	30
04/05/2008	10:30 PM	24.3	24.4	24.1	0.1	0.4	SEE	30
04/05/2008	11:00 PM	24.3	24.5	24.2	0.2	1.9	SES	30
04/05/2008	11:30 PM	24.6	24.8	24.6	0.1	1.4	SEE	30

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s) Average	Wind Speed (m/s) Hi	Wind Direction	Period (Min)
05/05/2008	12:00 AM	24.8	25.2	24.5	0.2	1.7	SWW	30
05/05/2008	12:30 AM	24.6	24.6	24.4	0.4	1.5	SEE	30
05/05/2008	1:00 AM	24.2	24.4	24.1	0.1	1.7	SWW	30
05/05/2008	1:30 AM	24.0	24.1	24.0	0.1	1.6	N	30
05/05/2008	2:00 AM	23.9	24.1	23.7	0.3	2.6	SWW	30
05/05/2008	2:30 AM	23.7	23.8	23.4	0.2	0.7	NWW	30
05/05/2008	3:00 AM	23.9	24.2	23.9	0.2	1.9	NWN	30
05/05/2008	3:30 AM	23.8	24.2	23.7	0.1	0.3	N	30
05/05/2008	4:00 AM	23.9	24.1	23.8	0.1	1.8	N	30
05/05/2008	4:30 AM	24.0	24.1	23.9	0.2	0.6	NWN	30
05/05/2008	5:00 AM	23.9	24.3	23.8	0.0	2.2	N	30
05/05/2008	5:30 AM	23.7	24.0	23.4	0.2	0.4	NWW	30
05/05/2008	6:00 AM	23.8	23.8	23.6	0.3	2.5	NWW	30
05/05/2008	6:30 AM	24.0	24.2	23.9	0.1	0.8	NWW	30
05/05/2008	7:00 AM	24.7	24.8	24.7	0.2	2.1	NEN	30
05/05/2008	7:30 AM	24.9	25.2	24.9	0.6	2.9	SES	30
05/05/2008	8:00 AM	25.4	25.5	25.3	0.7	2.3	SEE	30
05/05/2008	8:30 AM	27.7	27.9	27.7	1.0	2.1	SEE	30
05/05/2008	9:00 AM	28.4	28.7	28.2	1.0	3.1	SEE	30
05/05/2008	9:30 AM	27.8	28.0	27.7	0.8	1.1	SWS	30
05/05/2008	10:00 AM	28.5	28.6	28.5	1.6	3.0	SWS	30
05/05/2008	10:30 AM	27.7	27.7	27.6	0.8	0.8	SES	30
05/05/2008	11:00 AM	28.0	28.1	27.7	1.7	1.8	E	30
05/05/2008	11:30 AM	29.8	30.2	29.8	1.0	3.2	SES	30
05/05/2008	12:00 PM	29.9	30.1	29.6	1.6	2.3	SWS	30
05/05/2008	12:30 PM	29.7	30.0	29.4	1.6	1.9	S	30
05/05/2008	1:00 PM	29.1	29.4	29.0	1.7	2.9	SWS	30
05/05/2008	1:30 PM	29.2	29.6	28.9	2.2	2.7	SWS	30
05/05/2008	2:00 PM	28.1	28.4	27.8	1.8	3.8	SWS	30
05/05/2008	2:30 PM	28.2	28.2	28.0	1.9	3.6	SWS	30
05/05/2008	3:00 PM	28.5	28.7	28.3	1.7	3.9	SWS	30
05/05/2008	3:30 PM	27.1	27.5	27.0	1.7	2.5	SWS	30
05/05/2008	4:00 PM	27.3	27.6	27.0	1.7	1.9	SWS	30
05/05/2008	4:30 PM	27.3	27.5	27.1	1.6	3.0	SWS	30
05/05/2008	5:00 PM	27.1	27.3	26.8	1.7	3.9	SWS	30
05/05/2008	5:30 PM	27.2	27.4	27.0	1.4	2.6	SWS	30
05/05/2008	6:00 PM	26.9	27.3	26.8	1.7	2.1	SEE	30
05/05/2008	6:30 PM	26.8	27.2	26.6	1.6	2.9	SEE	30
05/05/2008	7:00 PM	26.1	26.3	26.0	2.1	3.3	SEE	30
05/05/2008	7:30 PM	26.1	26.2	25.9	2.3	3.9	SEE	30
05/05/2008	8:00 PM	25.2	25.5	24.9	2.5	4.3	SEE	30
05/05/2008	8:30 PM	23.1	23.4	22.9	2.6	4.2	NEE	30
05/05/2008	9:00 PM	22.0	22.4	21.9	2.9	4.2	NE	30
05/05/2008	9:30 PM	21.4	21.7	21.4	4.2	4.5	NEN	30
05/05/2008	10:00 PM	21.0	21.2	20.7	4.3	7.5	NEN	30
05/05/2008	10:30 PM	20.9	21.2	20.8	3.2	4.2	NEN	30
05/05/2008	11:00 PM	20.8	21.1	20.7	3.4	5.1	NEN	30
05/05/2008	11:30 PM	20.9	21.0	20.8	3.2	4.7	NEN	30
06/05/2008	12:00 AM	20.6	20.9	20.4	3.0	4.3	NEN	30
06/05/2008	12:30 AM	20.0	20.1	19.9	2.5	3.7	NEN	30
06/05/2008	1:00 AM	20.0	20.3	19.9	3.4	5.0	NEE	30
06/05/2008	1:30 AM	19.8	19.9	19.7	2.5	4.7	NEN	30
06/05/2008	2:00 AM	19.4	19.8	19.4	1.8	2.9	NEN	30
06/05/2008	2:30 AM	19.2	19.6	18.9	1.8	4.0	NEN	30
06/05/2008	3:00 AM	19.2	19.5	19.2	2.4	2.5	NE	30
06/05/2008	3:30 AM	19.1	19.2	19.1	2.3	3.1	NWN	30
06/05/2008	4:00 AM	19.1	19.5	19.0	2.5	3.4	NEN	30
06/05/2008	4:30 AM	19.1	19.3	19.0	2.6	2.9	NEN	30
06/05/2008	5:00 AM	19.1	19.2	19.0	1.7	1.9	NEN	30
06/05/2008	5:30 AM	19.1	19.3	19.0	2.5	4.8	NEN	30
06/05/2008	6:00 AM	19.1	19.3	19.0	2.2	3.3	NWN	30
06/05/2008	6:30 AM	19.7	20.0	19.7	1.1	2.3	NWN	30
06/05/2008	7:00 AM	19.8	19.9	19.7	1.5	3.6	NEN	30
06/05/2008	7:30 AM	20.0	20.1	19.8	1.9	4.1	NEN	30
06/05/2008	8:00 AM	19.3	19.4	19.1	2.3	3.1	NEN	30
06/05/2008	8:30 AM	19.4	19.6	19.2	1.6	2.4	NWN	30
06/05/2008	9:00 AM	20.0	20.2	19.9	2.4	2.6	NEN	30
06/05/2008	9:30 AM	20.8	21.2	20.6	1.5	2.6	NEN	30
06/05/2008	10:00 AM	21.0	21.3	21.0	1.2	3.5	NEN	30
06/05/2008	10:30 AM	21.4	21.4	21.3	1.1	1.8	NEN	30
06/05/2008	11:00 AM	21.5	21.8	21.2	2.2	3.1	NEN	30
06/05/2008	11:30 AM	21.5	21.6	21.3	1.6	2.3	NEN	30
06/05/2008	12:00 PM	21.6	21.8	21.6	2.2	3.1	NEN	30
06/05/2008	12:30 PM	22.0	22.3	21.7	2.4	3.9	NEN	30
06/05/2008	1:00 PM	22.2	22.2	22.1	1.7	2.2	NEN	30
06/05/2008	1:30 PM	22.3	22.5	22.1	2.2	3.0	NEN	30
06/05/2008	2:00 PM	22.4	22.6	22.2	1.3	3.5	NE	30
06/05/2008	2:30 PM	22.6	22.6	22.6	2.0	2.2	NEN	30
06/05/2008	3:00 PM	22.2	22.6	22.1	1.9	4.2	NEN	30
06/05/2008	3:30 PM	22.2	22.3	22.1	1.7	3.7	SEE	30
06/05/2008	4:00 PM	22.2	22.3	22.1	2.3	2.8	NEE	30
06/05/2008	4:30 PM	22.2	22.3	22.0	1.8	2.3	NEE	30
06/05/2008	5:00 PM	22.0	22.2	21.7	2.3	2.6	NEE	30
06/05/2008	5:30 PM	22.1	22.1	22.1	1.7	3.6	NEE	30
06/05/2008	6:00 PM	22.1	22.5	21.9	1.8	2.4	NEE	30
06/05/2008	6:30 PM	22.1	22.2	22.0	2.1	2.9	NEE	30
06/05/2008	7:00 PM	22.0	22.3	22.0	1.7	2.2	NE	30
06/05/2008	7:30 PM	22.0	22.3	21.8	0.6	1.3	N	30
06/05/2008	8:00 PM	22.1	22.3	21.9	0.8	2.7	SES	30
06/05/2008	8:30 PM	22.3	22.7	22.1	1.1	2.0	N	30
06/05/2008	9:00 PM	22.2	22.6	22.0	0.7	2.4	NEE	30
06/05/2008	9:30 PM	22.2	22.4	22.2	1.8	3.4	NE	30
06/05/2008	10:00 PM	22.2	22.3	22.1	2.0	3.8	NEN	30
06/05/2008	10:30 PM	22.3	22.7	22.2	2.1	2.9	NEN	30
06/05/2008	11:00 PM	22.2	22.6	22.2	2.2	2.5	NEN	30
06/05/2008	11:30 PM	22.2	22.3	21.9	2.7	4.2	NEN	30

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s) Average	Wind Speed (m/s) Hi	Wind Direction	Period (Min)
07/05/2008	12:00 AM	22.1	22.3	22.0	2.0	2.3	NEN	30
07/05/2008	12:30 AM	22.0	22.1	21.7	2.4	2.4	NEN	30
07/05/2008	1:00 AM	22.0	22.0	22.0	2.6	4.9	NEN	30
07/05/2008	1:30 AM	21.7	22.0	21.7	2.6	4.5	NEN	30
07/05/2008	2:00 AM	21.4	21.4	21.4	1.7	1.7	NEN	30
07/05/2008	2:30 AM	21.2	21.4	21.1	1.8	1.9	NEN	30
07/05/2008	3:00 AM	21.2	21.6	21.0	2.7	4.5	NEN	30
07/05/2008	3:30 AM	21.4	21.7	21.2	2.9	4.7	NEN	30
07/05/2008	4:00 AM	21.2	21.3	21.0	2.7	3.5	NEN	30
07/05/2008	4:30 AM	21.1	21.2	21.0	0.9	1.9	NEN	30
07/05/2008	5:00 AM	21.1	21.4	20.8	1.8	3.1	N	30
07/05/2008	5:30 AM	21.1	21.5	20.8	1.1	2.2	NWN	30
07/05/2008	6:00 AM	21.1	21.3	21.0	1.2	1.4	NWN	30
07/05/2008	6:30 AM	21.2	21.4	21.0	1.7	2.8	NWN	30
07/05/2008	7:00 AM	21.6	21.7	21.4	1.1	2.4	N	30
07/05/2008	7:30 AM	21.7	21.8	21.6	1.5	3.2	NWN	30
07/05/2008	8:00 AM	21.8	22.1	21.6	1.8	3.0	NEN	30
07/05/2008	8:30 AM	22.0	22.3	21.8	2.7	4.6	NEN	30
07/05/2008	9:00 AM	22.1	22.2	22.1	1.2	1.6	NEN	30
07/05/2008	9:30 AM	22.3	22.6	22.0	1.6	2.0	NWN	30
07/05/2008	10:00 AM	22.7	22.9	22.5	1.4	3.5	NEN	30
07/05/2008	10:30 AM	22.9	23.3	22.7	1.3	3.4	NEE	30
07/05/2008	11:00 AM	23.0	23.4	22.9	2.1	2.4	NE	30
07/05/2008	11:30 AM	23.2	23.3	23.0	1.7	2.2	E	30
07/05/2008	12:00 PM	23.8	24.0	23.6	2.2	4.3	NEN	30
07/05/2008	12:30 PM	24.1	24.2	24.0	2.8	3.8	NEN	30
07/05/2008	1:00 PM	24.7	24.8	24.5	1.9	2.9	NEN	30
07/05/2008	1:30 PM	24.8	24.9	24.7	1.8	2.3	NE	30
07/05/2008	2:00 PM	24.9	25.2	24.8	1.7	2.3	NEN	30
07/05/2008	2:30 PM	24.7	24.9	24.6	1.8	2.4	NEN	30
07/05/2008	3:00 PM	25.0	25.3	24.8	1.6	3.1	NEN	30
07/05/2008	3:30 PM	24.9	24.9	24.6	1.6	3.3	E	30
07/05/2008	4:00 PM	24.5	24.8	24.4	3.4	3.7	NEN	30
07/05/2008	4:30 PM	24.6	24.8	24.5	2.8	4.1	NEE	30
07/05/2008	5:00 PM	24.1	24.5	24.0	2.0	2.8	NEN	30
07/05/2008	5:30 PM	24.1	24.1	24.0	2.2	3.4	NEN	30
07/05/2008	6:00 PM	24.1	24.4	24.0	2.4	2.5	NEN	30
07/05/2008	6:30 PM	23.9	24.0	23.8	1.8	2.0	NEN	30
07/05/2008	7:00 PM	23.7	24.0	23.4	1.4	2.4	NEE	30
07/05/2008	7:30 PM	23.5	23.8	23.2	2.1	2.2	NEN	30
07/05/2008	8:00 PM	23.5	23.7	23.4	1.9	2.2	NEN	30
07/05/2008	8:30 PM	23.4	23.4	23.3	1.1	2.9	NEN	30
07/05/2008	9:00 PM	23.4	23.4	23.2	1.9	2.7	NEN	30
07/05/2008	9:30 PM	23.5	23.8	23.3	0.8	3.1	N	30
07/05/2008	10:00 PM	23.5	23.7	23.4	0.7	0.9	N	30
07/05/2008	10:30 PM	23.6	23.9	23.4	1.1	2.8	SES	30
07/05/2008	11:00 PM	23.6	23.6	23.5	1.3	2.8	NEN	30
07/05/2008	11:30 PM	23.6	23.8	23.3	0.4	1.5	NEN	30
08/05/2008	12:00 AM	23.6	23.6	23.5	0.4	0.5	NEE	30
08/05/2008	12:30 AM	23.5	23.6	23.4	0.1	0.1	N	30
08/05/2008	1:00 AM	23.5	23.8	23.5	0.5	1.3	N	30
08/05/2008	1:30 AM	23.8	24.1	23.7	0.6	2.3	SES	30
08/05/2008	2:00 AM	23.8	24.1	23.7	0.1	0.5	NWN	30
08/05/2008	2:30 AM	23.7	24.1	23.6	0.4	1.0	NEN	30
08/05/2008	3:00 AM	23.7	24.1	23.4	1.1	2.4	NEN	30
08/05/2008	3:30 AM	23.7	24.0	23.5	1.1	2.8	NEN	30
08/05/2008	4:00 AM	23.8	24.0	23.6	0.1	1.1	N	30
08/05/2008	4:30 AM	23.7	23.9	23.6	0.1	0.9	SES	30
08/05/2008	5:00 AM	23.5	23.6	23.4	0.1	2.1	SWW	30
08/05/2008	5:30 AM	23.5	23.7	23.3	0.1	1.5	N	30
08/05/2008	6:00 AM	23.5	23.6	23.4	0.1	0.6	N	30
08/05/2008	6:30 AM	23.9	24.1	23.8	0.4	1.6	NEN	30
08/05/2008	7:00 AM	24.0	24.2	23.8	0.1	0.4	NEN	30
08/05/2008	7:30 AM	24.5	24.5	24.4	1.0	2.8	SEE	30
08/05/2008	8:00 AM	25.1	25.2	25.0	0.8	3.0	SEE	30
08/05/2008	8:30 AM	26.2	26.5	26.1	1.8	3.8	NEE	30
08/05/2008	9:00 AM	26.7	26.7	26.5	1.8	3.2	NEE	30
08/05/2008	9:30 AM	27.4	27.5	27.2	2.1	3.2	NEE	30
08/05/2008	10:00 AM	28.0	28.1	28.0	1.3	2.7	E	30
08/05/2008	10:30 AM	29.0	29.3	28.8	1.2	2.1	SE	30
08/05/2008	11:00 AM	29.3	29.6	29.0	1.8	3.4	SEE	30
08/05/2008	11:30 AM	28.8	29.0	28.5	2.8	4.3	SWS	30
08/05/2008	12:00 PM	29.3	29.4	29.2	2.1	4.3	SES	30
08/05/2008	12:30 PM	29.6	30.0	29.5	1.8	3.9	SWS	30
08/05/2008	1:00 PM	29.2	29.3	29.1	2.4	2.9	SWS	30
08/05/2008	1:30 PM	29.9	30.2	29.7	2.7	3.8	SWS	30
08/05/2008	2:00 PM	29.8	30.0	29.6	2.3	4.0	SES	30
08/05/2008	2:30 PM	29.8	29.9	29.6	2.0	2.4	S	30
08/05/2008	3:00 PM	29.7	30.0	29.5	2.2	2.5	S	30
08/05/2008	3:30 PM	30.1	30.1	30.1	1.8	3.3	SES	30
08/05/2008	4:00 PM	29.9	30.2	29.8	2.1	3.0	SES	30
08/05/2008	4:30 PM	29.1	29.5	29.0	1.1	2.3	SES	30
08/05/2008	5:00 PM	28.6	28.7	28.5	1.8	4.1	SES	30
08/05/2008	5:30 PM	27.6	27.7	27.6	1.9	2.6	SES	30
08/05/2008	6:00 PM	27.1	27.4	27.0	0.9	2.6	SES	30
08/05/2008	6:30 PM	26.3	26.6	26.2	1.0	2.1	SE	30
08/05/2008	7:00 PM	26.0	26.2	25.8	0.8	3.1	SWS	30
08/05/2008	7:30 PM	25.6	25.7	25.4	0.6	2.4	SWS	30
08/05/2008	8:00 PM	25.3	25.4	25.0	1.5	2.8	SWS	30
08/05/2008	8:30 PM	25.0	25.0	25.0	0.9	3.0	SWS	30
08/05/2008	9:00 PM	25.1	25.3	25.0	0.9	2.0	SWS	30
08/05/2008	9:30 PM	25.0	25.2	24.9	0.6	1.3	SWS	30
08/05/2008	10:00 PM	24.7	25.0	24.6	1.1	2.7	SWW	30
08/05/2008	10:30 PM	24.6	24.9	24.4	1.3	2.8	SWW	30
08/05/2008	11:00 PM	24.4	24.6	24.2	0.2	1.2	N	30
08/05/2008	11:30 PM	24.9	25.3	24.7	1.2	2.3	SWS	30

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s) Average	Wind Speed (m/s) Hi	Wind Direction	Period (Min)
09/05/2008	12:00 AM	25.2	25.4	25.0	1.2	1.5	SW	30
09/05/2008	12:30 AM	25.2	25.3	24.9	2.2	2.5	SWS	30
09/05/2008	1:00 AM	25.2	25.5	25.0	1.8	3.6	SWS	30
09/05/2008	1:30 AM	24.8	25.1	24.6	1.1	2.1	SWS	30
09/05/2008	2:00 AM	24.2	24.4	24.0	1.1	2.7	SWS	30
09/05/2008	2:30 AM	24.7	24.8	24.5	1.8	2.0	SWS	30
09/05/2008	3:00 AM	24.6	24.7	24.4	1.0	2.2	SWS	30
09/05/2008	3:30 AM	24.8	24.9	24.7	1.1	2.4	SW	30
09/05/2008	4:00 AM	25.0	25.3	24.9	0.7	1.0	SWS	30
09/05/2008	4:30 AM	24.7	25.1	24.6	0.6	0.7	NWW	30
09/05/2008	5:00 AM	24.3	24.3	24.0	0.1	1.1	N	30
09/05/2008	5:30 AM	24.0	24.1	24.0	0.2	0.6	SES	30
09/05/2008	6:00 AM	24.2	24.5	24.1	0.0	1.6	N	30
09/05/2008	6:30 AM	24.9	24.9	24.7	0.1	1.5	SES	30
09/05/2008	7:00 AM	25.6	25.8	25.5	0.2	1.9	SES	30
09/05/2008	7:30 AM	26.9	27.2	26.7	1.0	2.2	N	30
09/05/2008	8:00 AM	27.3	27.5	27.0	1.2	2.8	NWW	30
09/05/2008	8:30 AM	28.2	28.2	27.9	2.4	4.2	SWW	30
09/05/2008	9:00 AM	29.1	29.4	29.1	2.4	2.8	SW	30
09/05/2008	9:30 AM	29.7	29.8	29.7	2.2	4.3	NWW	30
09/05/2008	10:00 AM	30.1	30.2	30.0	3.2	5.0	NWW	30
09/05/2008	10:30 AM	30.6	30.9	30.6	1.7	1.8	SWW	30
09/05/2008	11:00 AM	30.3	30.5	30.2	2.9	3.2	NWW	30
09/05/2008	11:30 AM	31.1	31.5	30.9	2.8	4.8	SWW	30
09/05/2008	12:00 PM	31.9	32.3	31.8	1.4	1.9	N	30
09/05/2008	12:30 PM	31.8	32.1	31.7	1.6	3.6	N	30
09/05/2008	1:00 PM	32.1	32.2	32.1	2.6	4.4	SWS	30
09/05/2008	1:30 PM	32.4	32.6	32.2	2.9	4.6	SWS	30
09/05/2008	2:00 PM	33.2	33.3	33.0	1.6	2.0	SWS	30
09/05/2008	2:30 PM	32.9	33.3	32.8	3.5	4.0	SWS	30
09/05/2008	3:00 PM	33.0	33.2	33.0	1.1	2.7	N	30
09/05/2008	3:30 PM	32.0	32.0	31.8	2.5	3.9	SWS	30
09/05/2008	4:00 PM	31.1	31.4	31.0	2.8	4.4	SWS	30
09/05/2008	4:30 PM	30.9	31.2	30.7	1.2	2.6	NWW	30
09/05/2008	5:00 PM	30.3	30.4	30.2	0.6	2.5	SWS	30
09/05/2008	5:30 PM	29.9	30.2	29.8	1.2	1.2	SWW	30
09/05/2008	6:00 PM	29.1	29.3	28.9	1.0	2.9	SWS	30
09/05/2008	6:30 PM	28.7	29.0	28.5	1.6	1.7	SWS	30
09/05/2008	7:00 PM	28.0	28.1	27.8	2.1	3.7	SWW	30
09/05/2008	7:30 PM	27.7	27.9	27.5	1.4	3.4	SWS	30
09/05/2008	8:00 PM	27.1	27.1	27.0	1.0	1.2	SW	30
09/05/2008	8:30 PM	27.2	27.2	27.0	1.5	2.5	W	30
09/05/2008	9:00 PM	27.6	27.9	27.4	2.2	2.5	NWW	30
09/05/2008	9:30 PM	27.7	27.8	27.7	2.6	4.4	NWW	30
09/05/2008	10:00 PM	27.6	27.9	27.5	2.8	4.5	NWW	30
09/05/2008	10:30 PM	27.0	27.0	26.8	3.0	3.6	NEE	30
09/05/2008	11:00 PM	27.0	27.0	27.0	2.3	2.6	NEE	30
09/05/2008	11:30 PM	26.5	26.6	26.3	3.2	3.3	NEE	30
10/05/2008	12:00 AM	26.1	26.3	26.0	1.4	1.9	N	30
10/05/2008	12:30 AM	25.7	26.1	25.4	1.1	1.4	SWW	30
10/05/2008	1:00 AM	25.0	25.3	25.0	0.6	0.8	NWW	30
10/05/2008	1:30 AM	24.9	25.3	24.9	1.0	1.0	NWN	30
10/05/2008	2:00 AM	25.0	25.0	24.9	2.7	3.3	NEE	30
10/05/2008	2:30 AM	25.0	25.3	24.7	1.6	2.8	NEE	30
10/05/2008	3:00 AM	25.0	25.2	24.8	2.7	3.7	NEE	30
10/05/2008	3:30 AM	24.8	24.8	24.7	2.4	2.8	NEE	30
10/05/2008	4:00 AM	24.7	24.8	24.6	0.9	1.6	NWN	30
10/05/2008	4:30 AM	24.3	24.4	24.1	2.3	2.9	NEE	30
10/05/2008	5:00 AM	24.3	24.4	24.1	1.8	2.2	NEE	30
10/05/2008	5:30 AM	24.2	24.6	24.2	2.4	3.6	NWN	30
10/05/2008	6:00 AM	24.1	24.1	23.9	1.2	1.8	N	30
10/05/2008	6:30 AM	24.0	24.1	23.9	3.2	4.0	NEN	30
10/05/2008	7:00 AM	24.0	24.4	24.0	3.3	5.5	NEE	30
10/05/2008	7:30 AM	24.4	24.4	24.2	3.4	3.8	NE	30
10/05/2008	8:00 AM	24.6	24.6	24.5	1.8	2.7	NEN	30
10/05/2008	8:30 AM	25.1	25.5	24.9	2.1	4.1	NEE	30
10/05/2008	9:00 AM	24.9	25.2	24.9	3.5	5.2	NEE	30
10/05/2008	9:30 AM	25.2	25.5	25.0	2.5	3.1	NEE	30
10/05/2008	10:00 AM	25.5	25.5	25.3	1.3	3.5	NE	30
10/05/2008	10:30 AM	25.9	26.1	25.9	1.5	2.2	NEE	30
10/05/2008	11:00 AM	26.2	26.2	26.0	2.6	3.7	NEE	30
10/05/2008	11:30 AM	26.3	26.4	26.1	2.1	3.9	NE	30
10/05/2008	12:00 PM	26.4	26.7	26.3	1.9	4.0	NEE	30
10/05/2008	12:30 PM	26.5	26.7	26.3	1.8	2.2	NEE	30
10/05/2008	1:00 PM	26.5	26.6	26.4	1.2	2.1	NE	30
10/05/2008	1:30 PM	26.6	26.8	26.6	1.7	3.5	NEE	30
10/05/2008	2:00 PM	26.4	26.5	26.3	2.3	3.1	E	30
10/05/2008	2:30 PM	26.1	26.3	26.1	2.1	4.3	NEE	30
10/05/2008	3:00 PM	25.8	25.9	25.5	1.3	2.6	NEE	30
10/05/2008	3:30 PM	25.6	25.9	25.4	2.0	3.7	NEE	30
10/05/2008	4:00 PM	25.1	25.2	25.0	1.8	4.1	NEN	30
10/05/2008	4:30 PM	24.9	25.1	24.8	3.1	5.1	NEE	30
10/05/2008	5:00 PM	24.9	25.1	24.7	1.8	2.7	NE	30
10/05/2008	5:30 PM	23.9	24.1	23.8	1.1	2.2	NEN	30
10/05/2008	6:00 PM	23.7	24.0	23.4	1.6	2.4	NWN	30
10/05/2008	6:30 PM	23.6	23.7	23.3	3.2	5.5	NEE	30
10/05/2008	7:00 PM	23.1	23.3	23.0	2.1	3.4	NEE	30
10/05/2008	7:30 PM	22.6	22.9	22.6	3.2	4.9	NEE	30
10/05/2008	8:00 PM	22.1	22.2	21.8	2.6	4.4	NEE	30
10/05/2008	8:30 PM	21.9	21.9	21.8	1.6	1.9	N	30
10/05/2008	9:00 PM	21.6	22.0	21.4	1.7	3.8	N	30
10/05/2008	9:30 PM	21.8	21.8	21.6	1.8	2.4	NEN	30
10/05/2008	10:00 PM	21.0	21.3	20.7	2.2	3.8	NEE	30
10/05/2008	10:30 PM	20.7	20.9	20.7	0.9	1.8	NEN	30
10/05/2008	11:00 PM	20.8	21.1	20.8	1.1	1.8	NEE	30
10/05/2008	11:30 PM	20.6	20.7	20.4	2.1	3.4	NWN	30

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s) Average	Wind Speed (m/s) Hi	Wind Direction	Period (Min)
11/05/2008	12:00 AM	20.5	20.7	20.3	1.6	2.1	NEN	30
11/05/2008	12:30 AM	20.7	20.9	20.7	2.0	2.1	NEN	30
11/05/2008	1:00 AM	20.8	20.9	20.7	1.0	2.0	NEN	30
11/05/2008	1:30 AM	20.7	21.0	20.5	1.1	1.7	NEE	30
11/05/2008	2:00 AM	20.4	20.6	20.3	1.9	2.0	NEE	30
11/05/2008	2:30 AM	20.4	20.5	20.3	1.0	1.6	NEN	30
11/05/2008	3:00 AM	20.3	20.7	20.1	2.1	2.6	NEE	30
11/05/2008	3:30 AM	20.2	20.6	20.0	2.4	2.7	NEE	30
11/05/2008	4:00 AM	20.3	20.4	20.3	1.1	1.1	NEE	30
11/05/2008	4:30 AM	20.2	20.4	20.2	2.2	2.9	NEE	30
11/05/2008	5:00 AM	20.1	20.5	19.9	1.1	2.4	NEE	30
11/05/2008	5:30 AM	19.9	20.3	19.8	1.3	2.4	NWN	30
11/05/2008	6:00 AM	19.8	20.2	19.6	1.1	2.3	NEN	30
11/05/2008	6:30 AM	19.8	20.0	19.6	0.6	2.7	SEE	30
11/05/2008	7:00 AM	20.0	20.0	20.0	0.3	2.0	NWN	30
11/05/2008	7:30 AM	20.4	20.6	20.2	1.0	2.2	NEN	30
11/05/2008	8:00 AM	20.6	20.7	20.4	0.7	1.6	NEE	30
11/05/2008	8:30 AM	20.3	20.3	20.1	1.7	3.6	NEE	30
11/05/2008	9:00 AM	20.2	20.3	19.9	1.3	3.0	NEE	30
11/05/2008	9:30 AM	20.2	20.3	19.9	0.6	0.9	NWN	30
11/05/2008	10:00 AM	20.3	20.5	20.2	1.9	3.0	NEE	30
11/05/2008	10:30 AM	20.5	20.7	20.4	1.7	3.6	NWN	30
11/05/2008	11:00 AM	20.8	21.1	20.8	0.7	1.2	NEN	30
11/05/2008	11:30 AM	21.0	21.1	20.8	1.1	2.1	E	30
11/05/2008	12:00 PM	23.0	23.3	23.0	1.5	3.4	NEE	30
11/05/2008	12:30 PM	24.1	24.4	24.0	1.7	2.6	NEN	30
11/05/2008	1:00 PM	24.2	24.5	24.1	2.1	3.4	SEE	30
11/05/2008	1:30 PM	25.0	25.0	24.8	2.2	3.7	NEE	30
11/05/2008	2:00 PM	24.3	24.3	24.1	2.2	2.7	SES	30
11/05/2008	2:30 PM	24.4	24.5	24.4	1.6	2.2	NEN	30
11/05/2008	3:00 PM	24.3	24.7	24.3	1.3	2.2	NEE	30
11/05/2008	3:30 PM	23.8	23.9	23.6	2.1	3.8	NEE	30
11/05/2008	4:00 PM	23.6	23.9	23.6	1.9	1.9	NEE	30
11/05/2008	4:30 PM	23.4	23.8	23.3	1.5	1.7	NEE	30
11/05/2008	5:00 PM	23.2	23.3	23.1	1.9	2.2	NEN	30
11/05/2008	5:30 PM	23.1	23.2	23.0	2.1	3.8	NEN	30
11/05/2008	6:00 PM	22.9	23.0	22.8	2.3	4.6	NE	30
11/05/2008	6:30 PM	22.6	22.6	22.4	1.8	4.0	NEN	30
11/05/2008	7:00 PM	22.4	22.8	22.3	1.4	2.5	NEN	30
11/05/2008	7:30 PM	22.2	22.5	22.2	1.9	3.3	NE	30
11/05/2008	8:00 PM	22.0	22.1	21.9	1.4	1.8	NEN	30
11/05/2008	8:30 PM	21.9	21.9	21.8	1.5	2.7	NEN	30
11/05/2008	9:00 PM	21.8	22.2	21.8	1.7	3.2	NEN	30
11/05/2008	9:30 PM	21.7	21.7	21.4	1.1	1.2	NEN	30
11/05/2008	10:00 PM	21.6	22.0	21.5	1.7	2.1	NEN	30
11/05/2008	10:30 PM	21.8	21.8	21.6	1.8	1.9	NEN	30
11/05/2008	11:00 PM	22.0	22.1	22.0	2.1	2.2	NEN	30
11/05/2008	11:30 PM	21.7	21.7	21.7	2.5	2.6	NEN	30
12/05/2008	12:00 AM	22.0	22.3	21.7	1.8	3.5	NEN	30
12/05/2008	12:30 AM	22.1	22.3	22.0	1.0	2.7	NEN	30
12/05/2008	1:00 AM	22.6	22.8	22.6	0.7	1.0	NEN	30
12/05/2008	1:30 AM	22.4	22.7	22.2	1.5	2.4	NEE	30
12/05/2008	2:00 AM	22.4	22.4	22.3	1.1	2.1	NEE	30
12/05/2008	2:30 AM	22.4	22.7	22.1	1.2	3.3	SEE	30
12/05/2008	3:00 AM	22.3	22.5	22.2	1.3	3.2	E	30
12/05/2008	3:30 AM	22.3	22.6	22.2	1.1	1.2	SEE	30
12/05/2008	4:00 AM	22.1	22.2	22.0	1.3	2.9	NEE	30
12/05/2008	4:30 AM	22.1	22.2	22.1	0.8	3.1	NEE	30
12/05/2008	5:00 AM	22.1	22.3	22.0	1.1	2.0	NEN	30
12/05/2008	5:30 AM	22.0	22.0	22.0	1.1	2.8	N	30
12/05/2008	6:00 AM	20.9	21.3	20.8	1.0	2.2	NEN	30
12/05/2008	6:30 AM	22.0	22.0	21.9	1.6	3.2	NEE	30
12/05/2008	7:00 AM	22.0	22.3	21.7	1.8	3.5	NEN	30
12/05/2008	7:30 AM	22.2	22.4	22.0	1.6	2.5	NEE	30
12/05/2008	8:00 AM	22.3	22.5	22.1	2.7	4.3	NEN	30
12/05/2008	8:30 AM	23.0	23.3	22.9	2.3	2.7	NEN	30
12/05/2008	9:00 AM	23.7	24.0	23.5	2.3	3.6	NEN	30
12/05/2008	9:30 AM	23.9	24.2	23.8	1.3	1.5	NEE	30
12/05/2008	10:00 AM	24.5	24.7	24.4	1.8	2.0	NEE	30
12/05/2008	10:30 AM	25.3	25.3	25.2	1.7	3.0	NEE	30
12/05/2008	11:00 AM	25.9	26.2	25.8	2.8	5.0	NEE	30
12/05/2008	11:30 AM	26.0	26.0	25.9	2.3	3.7	NEE	30
12/05/2008	12:00 PM	6.2	6.2	6.0	2.8	3.6	NEN	30
12/05/2008	12:30 PM	27.0	27.1	26.8	3.0	4.6	NEE	30
12/05/2008	1:00 PM	7.0	7.0	6.9	3.0	4.2	NEN	30
12/05/2008	1:30 PM	27.0	27.0	26.7	2.4	4.2	NEN	30
12/05/2008	2:00 PM	27.1	27.5	26.9	1.7	2.0	E	30
12/05/2008	2:30 PM	27.3	27.7	27.0	2.4	2.6	NEE	30
12/05/2008	3:00 PM	26.8	27.0	26.6	2.0	2.4	NEN	30
12/05/2008	3:30 PM	25.9	26.2	25.7	2.9	4.4	NEN	30
12/05/2008	4:00 PM	26.1	26.4	25.8	1.9	3.4	SEE	30
12/05/2008	4:30 PM	25.4	25.5	25.2	1.7	3.0	SEE	30
12/05/2008	5:00 PM	25.2	25.3	25.2	2.2	4.0	SEE	30
12/05/2008	5:30 PM	24.2	24.4	24.0	1.8	1.9	SEE	30
12/05/2008	6:00 PM	24.0	24.1	23.9	2.2	2.7	SES	30
12/05/2008	6:30 PM	23.5	23.6	23.4	1.6	2.9	SEE	30
12/05/2008	7:00 PM	23.4	23.8	23.2	1.1	1.2	SES	30
12/05/2008	7:30 PM	23.1	23.3	22.8	1.3	2.3	SES	30
12/05/2008	8:00 PM	22.9	23.0	22.8	0.5	0.9	SEE	30
12/05/2008	8:30 PM	21.7	21.9	21.6	0.3	1.1	NWN	30
12/05/2008	9:00 PM	21.3	21.5	21.2	0.4	2.2	NEN	30
12/05/2008	9:30 PM	21.6	21.8	21.5	0.8	1.7	NWN	30
12/05/2008	10:00 PM	21.7	21.9	21.6	1.8	1.9	NEN	30
12/05/2008	10:30 PM	21.3	21.4	21.1	2.6	4.7	NEN	30
12/05/2008	11:00 PM	21.3	21.6	21.2	1.7	2.2	NEN	30
12/05/2008	11:30 PM	21.0	21.1	20.9	1.9	2.6	NEN	30

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s)		Wind Direction	Period (Min)
					Average	Hi		
13/05/2008	12:00 AM	21.1	21.4	20.9	2.7	4.9	NEN	30
13/05/2008	12:30 AM	21.0	21.1	20.8	2.2	4.0	NEN	30
13/05/2008	1:00 AM	20.9	21.2	20.8	2.3	4.5	NEN	30
13/05/2008	1:30 AM	20.9	20.9	20.7	1.4	1.8	NEN	30
13/05/2008	2:00 AM	20.4	20.8	20.3	1.0	2.5	NEN	30
13/05/2008	2:30 AM	20.1	20.2	20.0	1.6	2.2	NWN	30
13/05/2008	3:00 AM	20.1	20.4	20.0	0.8	1.4	NEN	30
13/05/2008	3:30 AM	19.9	20.2	19.6	0.7	2.6	N	30
13/05/2008	4:00 AM	19.9	20.0	19.8	1.4	2.4	NEN	30
13/05/2008	4:30 AM	20.0	20.3	19.8	1.7	3.6	NEN	30
13/05/2008	5:00 AM	20.0	20.3	19.8	1.7	3.6	NEN	30
13/05/2008	5:30 AM	20.0	20.2	19.7	1.8	3.1	N	30
13/05/2008	6:00 AM	19.9	20.2	19.7	1.7	3.3	NEN	30
13/05/2008	6:30 AM	20.7	20.8	20.5	1.6	3.0	NEN	30
13/05/2008	7:00 AM	21.8	22.0	21.8	2.8	4.6	NEN	30
13/05/2008	7:30 AM	23.2	23.5	23.1	3.2	5.1	NEN	30
13/05/2008	8:00 AM	24.2	24.2	24.1	1.8	2.4	NEN	30
13/05/2008	8:30 AM	25.1	25.2	25.0	2.8	3.1	NEE	30
13/05/2008	9:00 AM	25.9	26.0	25.8	2.8	4.7	SEE	30
13/05/2008	9:30 AM	26.4	26.7	26.4	2.1	3.8	NE	30
13/05/2008	10:00 AM	26.9	27.0	26.8	1.8	2.0	NEE	30
13/05/2008	10:30 AM	27.0	27.4	26.9	2.7	2.7	NEN	30
13/05/2008	11:00 AM	27.0	27.2	26.8	3.3	4.6	NEE	30
13/05/2008	11:30 AM	27.0	27.3	26.8	3.5	4.0	NEE	30
13/05/2008	12:00 PM	27.6	27.7	27.4	4.0	6.3	NEE	30
13/05/2008	12:30 PM	27.5	27.9	27.3	4.2	4.7	NEN	30
13/05/2008	1:00 PM	27.8	28.1	27.7	4.8	5.7	NEN	30
13/05/2008	1:30 PM	27.2	27.5	27.0	3.1	4.0	NEE	30
13/05/2008	2:00 PM	27.0	27.2	26.8	2.5	4.2	NEE	30
13/05/2008	2:30 PM	27.0	27.0	26.9	2.6	4.5	NEE	30
13/05/2008	3:00 PM	26.6	26.9	26.4	3.3	5.6	NEN	30
13/05/2008	3:30 PM	26.2	26.4	26.1	2.7	3.2	NEN	30
13/05/2008	4:00 PM	25.7	25.7	25.6	3.2	3.9	NEN	30
13/05/2008	4:30 PM	25.1	25.1	24.8	2.8	3.7	NEE	30
13/05/2008	5:00 PM	25.0	25.2	24.8	3.1	4.8	NEE	30
13/05/2008	5:30 PM	24.3	24.5	24.1	3.3	4.3	NE	30
13/05/2008	6:00 PM	24.1	24.2	23.9	2.0	2.1	NE	30
13/05/2008	6:30 PM	24.0	24.2	23.8	1.8	3.3	NE	30
13/05/2008	7:00 PM	23.4	23.4	23.2	1.6	2.7	NEN	30
13/05/2008	7:30 PM	23.0	23.0	22.8	1.6	3.4	N	30
13/05/2008	8:00 PM	22.9	23.2	22.7	1.8	3.0	NEN	30
13/05/2008	8:30 PM	22.5	22.9	22.3	2.3	3.0	NEN	30
13/05/2008	9:00 PM	22.6	22.7	22.6	1.7	1.9	NEN	30
13/05/2008	9:30 PM	22.1	22.4	22.0	1.6	2.5	NEN	30
13/05/2008	10:00 PM	22.0	22.3	22.0	2.4	2.5	NEN	30
13/05/2008	10:30 PM	22.0	22.1	21.8	1.3	2.4	NEN	30
13/05/2008	11:00 PM	22.0	22.3	21.9	2.5	2.8	NEN	30
13/05/2008	11:30 PM	22.1	22.3	21.9	3.3	3.8	NEN	30
14/05/2008	12:00 AM	22.0	22.2	21.7	3.1	5.2	NEN	30
14/05/2008	12:30 AM	21.9	22.1	21.7	4.2	4.8	NEN	30
14/05/2008	1:00 AM	21.9	21.9	21.7	1.7	3.7	NEN	30
14/05/2008	1:30 AM	21.4	21.8	21.2	0.9	1.9	NEE	30
14/05/2008	2:00 AM	22.0	22.3	21.8	2.6	3.8	NEE	30
14/05/2008	2:30 AM	22.2	22.6	22.0	2.3	4.4	NEN	30
14/05/2008	3:00 AM	22.1	22.3	21.9	2.3	3.9	NEE	30
14/05/2008	3:30 AM	22.0	22.4	22.0	0.4	2.2	N	30
14/05/2008	4:00 AM	21.9	21.9	21.8	1.7	3.6	NEE	30
14/05/2008	4:30 AM	22.0	22.3	21.7	1.7	2.7	NEE	30
14/05/2008	5:00 AM	21.9	22.0	21.7	1.8	3.7	NEN	30
14/05/2008	5:30 AM	21.7	21.7	21.6	2.3	4.5	NEE	30
14/05/2008	6:00 AM	21.4	21.7	21.2	2.3	3.2	NEN	30
14/05/2008	6:30 AM	21.6	21.7	21.4	3.3	3.7	NEN	30
14/05/2008	7:00 AM	22.0	22.1	21.9	2.4	4.3	NEN	30
14/05/2008	7:30 AM	22.7	22.7	22.5	2.5	4.3	NEN	30
14/05/2008	8:00 AM	23.1	23.3	23.1	2.5	4.8	NEN	30
14/05/2008	8:30 AM	24.0	24.2	23.8	1.8	3.0	NE	30
14/05/2008	9:00 AM	25.0	25.3	24.9	2.4	3.7	NEE	30
14/05/2008	9:30 AM	25.0	25.1	24.9	2.1	3.2	NEE	30
14/05/2008	10:00 AM	25.8	25.9	25.6	3.1	3.3	NEE	30
14/05/2008	10:30 AM	26.2	26.3	26.0	2.2	2.6	NEE	30
14/05/2008	11:00 AM	26.3	26.4	26.1	2.2	3.1	NE	30
14/05/2008	11:30 AM	27.2	27.6	27.1	2.8	4.2	NEE	30
14/05/2008	12:00 PM	27.1	27.1	26.9	2.7	4.7	NE	30
14/05/2008	12:30 PM	27.0	27.2	26.9	2.7	3.7	NE	30
14/05/2008	1:00 PM	27.0	27.4	26.9	2.6	4.2	NEE	30
14/05/2008	1:30 PM	27.1	27.5	27.0	2.3	4.5	NEN	30
14/05/2008	2:00 PM	27.9	28.2	27.7	2.8	3.5	NE	30
14/05/2008	2:30 PM	27.4	27.5	27.1	3.9	4.9	NEE	30
14/05/2008	3:00 PM	27.2	27.4	26.9	2.4	4.1	NEE	30
14/05/2008	3:30 PM	27.0	27.3	26.9	1.6	3.2	N	30
14/05/2008	4:00 PM	26.1	26.3	25.9	1.5	2.8	SEE	30
14/05/2008	4:30 PM	25.0	25.3	24.8	2.0	3.5	SES	30
14/05/2008	5:00 PM	25.0	25.1	24.9	1.7	3.6	SEE	30
14/05/2008	5:30 PM	25.0	25.1	25.0	1.5	1.7	NEE	30
14/05/2008	6:00 PM	24.8	24.9	24.8	0.9	2.3	SEE	30
14/05/2008	6:30 PM	24.1	24.2	24.1	0.7	2.4	SES	30
14/05/2008	7:00 PM	23.7	23.8	23.4	0.9	1.1	SEE	30
14/05/2008	7:30 PM	22.7	23.0	22.5	0.2	1.9	NEE	30
14/05/2008	8:00 PM	22.2	22.4	21.9	0.8	1.5	SES	30
14/05/2008	8:30 PM	22.3	22.5	22.0	1.0	1.3	SEE	30
14/05/2008	9:00 PM	22.5	22.5	22.4	0.7	0.7	NEN	30
14/05/2008	9:30 PM	22.7	22.9	22.6	1.0	1.6	SEE	30
14/05/2008	10:00 PM	22.3	22.7	22.2	1.4	1.4	NEN	30
14/05/2008	10:30 PM	22.2	22.4	22.2	0.7	2.6	N	30
14/05/2008	11:00 PM	22.1	22.4	21.9	1.3	2.1	NEN	30
14/05/2008	11:30 PM	22.7	22.8	22.5	1.7	1.9	NEN	30

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s)		Wind Direction	Period (Min)
					Average	Hi		
15/05/2008	12:00 AM	22.8	23.0	22.6	1.3	2.4	NEE	30
15/05/2008	12:30 AM	22.2	22.3	22.1	1.4	2.0	N	30
15/05/2008	1:00 AM	22.2	22.5	22.1	1.7	3.4	NEE	30
15/05/2008	1:30 AM	22.3	22.3	22.2	1.8	2.7	NEE	30
15/05/2008	2:00 AM	22.4	22.5	22.3	1.7	2.6	NEE	30
15/05/2008	2:30 AM	22.2	22.4	21.9	1.6	2.6	NEE	30
15/05/2008	3:00 AM	22.2	22.3	22.1	1.6	2.0	SEE	30
15/05/2008	3:30 AM	22.1	22.2	22.0	1.0	2.7	NEE	30
15/05/2008	4:00 AM	22.0	22.2	21.8	2.2	3.3	NEE	30
15/05/2008	4:30 AM	21.7	22.0	21.4	1.1	3.1	NEN	30
15/05/2008	5:00 AM	21.0	21.2	20.7	2.0	4.1	NEN	30
15/05/2008	5:30 AM	20.6	20.7	20.4	1.9	3.7	NEN	30
15/05/2008	6:00 AM	20.1	20.5	19.9	1.2	1.8	NEN	30
15/05/2008	6:30 AM	21.0	21.1	21.0	0.5	0.6	N	30
15/05/2008	7:00 AM	22.0	22.1	21.9	0.6	2.6	SEE	30
15/05/2008	7:30 AM	23.3	23.3	23.1	1.7	4.0	SE	30
15/05/2008	8:00 AM	23.9	24.1	23.7	1.0	2.3	SES	30
15/05/2008	8:30 AM	24.1	24.3	24.0	2.1	4.1	NEN	30
15/05/2008	9:00 AM	24.5	24.8	24.2	2.2	3.5	NEE	30
15/05/2008	9:30 AM	25.1	25.4	24.9	1.2	2.0	NEE	30
15/05/2008	10:00 AM	25.3	25.4	25.0	3.4	3.8	NEN	30
15/05/2008	10:30 AM	26.0	26.1	25.9	2.3	4.4	NEN	30
15/05/2008	11:00 AM	26.1	26.5	25.8	2.2	2.9	NEN	30
15/05/2008	11:30 AM	27.0	27.0	26.7	1.9	2.5	SEE	30
15/05/2008	12:00 PM	26.9	26.9	26.7	3.3	5.0	NEN	30
15/05/2008	12:30 PM	27.3	27.5	27.1	3.2	4.8	NEE	30
15/05/2008	1:00 PM	27.1	27.5	26.8	1.9	1.9	SEE	30
15/05/2008	1:30 PM	27.4	27.5	27.1	2.2	3.8	NEN	30
15/05/2008	2:00 PM	27.9	28.0	27.8	2.9	4.9	NEE	30
15/05/2008	2:30 PM	27.9	27.9	27.7	2.2	4.2	NEN	30
15/05/2008	3:00 PM	27.0	27.1	26.7	1.5	3.2	SWS	30
15/05/2008	3:30 PM	26.1	26.2	26.0	2.4	3.9	SWS	30
15/05/2008	4:00 PM	26.0	26.1	25.9	1.9	2.2	SWS	30
15/05/2008	4:30 PM	25.2	25.5	25.0	2.2	3.6	SWS	30
15/05/2008	5:00 PM	24.9	25.0	24.7	1.8	3.4	SWS	30
15/05/2008	5:30 PM	24.5	24.6	24.3	1.0	3.1	SWS	30
15/05/2008	6:00 PM	24.1	24.4	24.0	0.8	1.0	SWS	30
15/05/2008	6:30 PM	23.5	23.8	23.5	1.5	1.9	SWS	30
15/05/2008	7:00 PM	23.0	23.2	22.9	0.5	2.2	N	30
15/05/2008	7:30 PM	22.0	22.2	21.7	0.3	1.0	SES	30
15/05/2008	8:00 PM	21.5	21.6	21.4	0.5	1.4	SEE	30
15/05/2008	8:30 PM	21.0	21.0	21.0	0.1	0.8	SWS	30
15/05/2008	9:00 PM	20.9	21.1	20.9	0.2	2.3	SEE	30
15/05/2008	9:30 PM	20.9	20.9	20.9	1.2	1.6	SEE	30
15/05/2008	10:00 PM	20.9	21.0	20.6	0.2	0.8	NWN	30
15/05/2008	10:30 PM	20.3	20.6	20.2	0.7	2.3	NWW	30
15/05/2008	11:00 PM	20.1	20.4	20.1	0.8	1.7	NWW	30
15/05/2008	11:30 PM	20.0	20.0	19.8	0.4	1.0	NWN	30
16/05/2008	12:00 AM	20.0	20.0	19.7	0.6	2.1	NWN	30
16/05/2008	12:30 AM	19.9	20.3	19.8	0.2	1.9	NW	30
16/05/2008	1:00 AM	19.9	20.2	19.7	0.3	0.4	NWW	30
16/05/2008	1:30 AM	20.3	20.4	20.2	0.1	1.2	N	30
16/05/2008	2:00 AM	20.7	21.0	20.6	0.1	1.2	N	30
16/05/2008	2:30 AM	20.9	21.2	20.8	0.1	2.1	N	30
16/05/2008	3:00 AM	20.9	21.2	20.7	0.1	1.2	NWW	30
16/05/2008	3:30 AM	21.1	21.2	21.0	0.6	1.9	NEN	30
16/05/2008	4:00 AM	21.4	21.5	21.1	1.0	1.6	NEN	30
16/05/2008	4:30 AM	21.8	21.9	21.6	0.2	2.2	NEE	30
16/05/2008	5:00 AM	21.9	22.1	21.7	1.3	3.5	NEN	30
16/05/2008	5:30 AM	22.0	22.1	21.8	0.5	1.3	NEE	30
16/05/2008	6:00 AM	22.0	22.2	21.8	1.6	2.2	N	30
16/05/2008	6:30 AM	22.3	22.4	22.2	1.3	3.2	NEN	30
16/05/2008	7:00 AM	23.0	23.3	23.0	1.7	2.7	NEN	30
16/05/2008	7:30 AM	23.9	24.1	23.8	2.1	4.4	NEN	30
16/05/2008	8:00 AM	24.2	24.4	24.1	2.2	2.7	NEN	30
16/05/2008	8:30 AM	24.9	24.9	24.6	2.1	3.2	NEN	30
16/05/2008	9:00 AM	25.1	25.2	24.8	1.7	3.8	E	30
16/05/2008	9:30 AM	25.9	26.2	25.7	2.3	3.4	NEE	30
16/05/2008	10:00 AM	26.3	26.6	26.2	1.7	3.4	N	30
16/05/2008	10:30 AM	26.2	26.3	25.9	1.9	2.3	NEN	30
16/05/2008	11:00 AM	26.7	26.8	26.6	2.2	2.9	NEN	30
16/05/2008	11:30 AM	27.0	27.2	26.7	2.7	2.8	NEN	30
16/05/2008	12:00 PM	27.1	27.4	27.1	3.2	4.8	NEN	30
16/05/2008	12:30 PM	27.4	27.5	27.3	1.3	2.1	SEE	30
16/05/2008	1:00 PM	27.9	28.0	27.6	2.0	3.8	SEE	30
16/05/2008	1:30 PM	28.0	28.3	27.9	1.9	3.6	SES	30
16/05/2008	2:00 PM	21.8	22.0	21.6	2.2	2.7	SEE	30
16/05/2008	2:30 PM	21.8	22.1	21.5	1.7	3.1	SWS	30
16/05/2008	3:00 PM	21.9	22.3	21.8	1.8	2.7	SWS	30
16/05/2008	3:30 PM	21.9	22.1	21.8	2.4	3.3	SEE	30
16/05/2008	4:00 PM	21.9	22.0	21.6	1.6	3.7	SWS	30
16/05/2008	4:30 PM	21.3	21.4	21.2	1.3	2.5	SWS	30
16/05/2008	5:00 PM	25.3	25.7	25.2	1.4	1.5	SWS	30
16/05/2008	5:30 PM	25.1	25.5	24.8	1.2	3.4	SWS	30
16/05/2008	6:00 PM	24.8	24.9	24.6	1.6	2.8	SE	30
16/05/2008	6:30 PM	24.0	24.3	23.9	2.5	3.1	E	30
16/05/2008	7:00 PM	23.8	23.9	23.5	1.9	3.4	SEE	30
16/05/2008	7:30 PM	23.4	23.6	23.3	1.3	3.1	SEE	30
16/05/2008	8:00 PM	23.1	23.2	23.0	0.8	1.5	SES	30
16/05/2008	8:30 PM	23.1	23.3	22.9	0.9	2.7	SES	30
16/05/2008	9:00 PM	23.2	23.5	23.1	0.8	3.0	SES	30
16/05/2008	9:30 PM	22.0	22.4	21.8	0.2	0.8	NEN	30
16/05/2008	10:00 PM	21.8	22.0	21.6	0.1	2.1	W	30
16/05/2008	10:30 PM	21.9	22.2	21.9	0.1	0.9	SEE	30
16/05/2008	11:00 PM	21.7	21.9	21.6	0.5	1.1	NEN	30
16/05/2008	11:30 PM	21.9	22.3	21.8	0.9	1.3	NEN	30

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s)		Wind Direction	Period (Min)
					Average	Hi		
17/05/2008	12:00 AM	21.9	22.2	21.7	1.1	3.2	NEE	30
17/05/2008	12:30 AM	21.3	21.4	21.2	0.8	1.7	NE	30
17/05/2008	1:00 AM	21.0	21.4	20.8	0.2	1.2	N	30
17/05/2008	1:30 AM	20.8	21.0	20.7	0.7	2.4	NWN	30
17/05/2008	2:00 AM	20.9	21.0	20.7	0.6	1.1	NWN	30
17/05/2008	2:30 AM	21.1	21.1	21.1	0.2	2.2	NEE	30
17/05/2008	3:00 AM	21.8	22.0	21.7	0.4	2.4	NEE	30
17/05/2008	3:30 AM	22.0	22.1	21.9	1.2	3.2	NEN	30
17/05/2008	4:00 AM	22.1	22.3	21.8	1.6	3.2	NEN	30
17/05/2008	4:30 AM	22.2	22.3	22.1	1.3	1.7	NEN	30
17/05/2008	5:00 AM	22.3	22.5	22.2	1.7	3.7	NEN	30
17/05/2008	5:30 AM	22.3	22.5	22.1	2.3	3.9	NEN	30
17/05/2008	6:00 AM	22.3	22.5	22.2	1.6	3.4	NEN	30
17/05/2008	6:30 AM	22.3	22.6	22.1	1.5	2.2	NEN	30
17/05/2008	7:00 AM	22.7	22.9	22.6	1.7	3.3	NEN	30
17/05/2008	7:30 AM	22.8	23.1	22.7	1.5	3.0	NEN	30
17/05/2008	8:00 AM	23.4	23.4	23.3	1.2	1.9	NEN	30
17/05/2008	8:30 AM	24.0	24.1	23.8	2.1	2.4	NEE	30
17/05/2008	9:00 AM	24.7	25.0	24.5	1.9	3.1	NEN	30
17/05/2008	9:30 AM	25.0	25.3	24.9	2.0	3.5	NEE	30
17/05/2008	10:00 AM	25.5	25.9	25.2	2.1	2.5	NEE	30
17/05/2008	10:30 AM	25.9	26.1	25.9	1.8	2.5	NEE	30
17/05/2008	11:00 AM	26.7	27.1	26.4	1.3	1.7	NEE	30
17/05/2008	11:30 AM	27.1	27.5	26.8	1.4	2.3	NE	30
17/05/2008	12:00 PM	27.5	27.6	27.4	1.9	3.9	NE	30
17/05/2008	12:30 PM	28.2	28.5	28.0	2.1	3.0	NE	30
17/05/2008	1:00 PM	28.4	28.5	28.4	2.3	3.0	NEE	30
17/05/2008	1:30 PM	28.3	28.4	28.3	1.2	1.7	NEE	30
17/05/2008	2:00 PM	28.1	28.2	28.0	1.5	3.7	E	30
17/05/2008	2:30 PM	27.6	27.6	27.6	1.9	3.9	E	30
17/05/2008	3:00 PM	27.4	27.6	27.3	2.1	4.1	E	30
17/05/2008	3:30 PM	27.1	27.4	27.0	1.5	3.1	E	30
17/05/2008	4:00 PM	26.7	27.0	26.5	1.7	1.8	SE	30
17/05/2008	4:30 PM	26.5	26.8	26.2	1.7	3.6	SE	30
17/05/2008	5:00PM	26.2	26.6	26.1	1.3	2.7	SE	30
17/05/2008	5:30 PM	25.9	26.1	25.8	1.6	3.5	E	30
17/05/2008	6:00PM	25.7	26.0	25.5	1.5	3.2	E	30
17/05/2008	6:30 PM	25.4	25.6	25.3	1.9	4.2	E	30
17/05/2008	7:00PM	25.3	25.4	25.2	2.5	3.9	E	30
17/05/2008	7:30 PM	25.0	25.0	25.0	2.1	4.1	NEE	30
17/05/2008	8:00PM	24.6	24.8	24.5	1.2	2.0	NEE	30
17/05/2008	8:30 PM	24.3	24.4	24.2	1.5	1.9	NEE	30
17/05/2008	9:00PM	24.1	24.5	23.9	1.3	1.9	NE	30
17/05/2008	9:30 PM	23.7	23.8	23.4	1.4	1.7	NE	30
17/05/2008	10:00PM	23.5	23.7	23.5	1.4	1.4	NEN	30
17/05/2008	10:30 PM	23.1	23.3	22.9	1.7	3.2	NE	30
17/05/2008	11:00PM	22.8	22.8	22.6	1.4	3.6	E	30
17/05/2008	11:30 PM	22.4	22.5	22.2	2.1	2.9	SEE	30
18/05/2008	12:00AM	22.0	22.3	22.0	1.3	2.0	SEE	30
18/05/2008	12:30 AM	21.8	22.1	21.7	1.9	2.2	E	30
18/05/2008	1:00AM	21.7	22.1	21.5	1.5	2.3	S	30
18/05/2008	1:30 AM	21.5	21.5	21.4	1.6	2.6	SEE	30
18/05/2008	2:00AM	21.2	21.4	21.1	1.2	3.1	SE	30
18/05/2008	2:30 AM	21.0	21.1	20.9	1.9	4.1	SE	30
18/05/2008	3:00AM	20.8	20.9	20.6	1.8	4.1	SE	30
18/05/2008	3:30 AM	20.5	20.9	20.4	2.3	4.1	E	30
18/05/2008	4:00AM	20.4	20.7	20.3	2.0	4.0	E	30
18/05/2008	4:30 AM	20.1	20.3	20.0	2.0	3.6	SEE	30
18/05/2008	5:00AM	19.8	20.1	19.6	1.3	3.2	SEE	30
18/05/2008	5:30 AM	19.6	19.6	19.4	1.0	1.9	SWS	30
18/05/2008	6:00AM	19.7	20.1	19.4	1.9	1.9	SW	30
18/05/2008	6:30 AM	19.9	20.2	19.9	2.3	3.8	SWS	30
18/05/2008	7:00AM	20.1	20.4	19.8	1.5	2.9	SW	30
18/05/2008	7:30 AM	21.6	21.7	21.6	1.9	2.5	SEE	30
18/05/2008	8:00AM	22.8	23.0	22.6	2.4	4.2	SE	30
18/05/2008	8:30 AM	23.9	24.1	23.8	1.3	2.6	S	30
18/05/2008	9:00AM	25.7	25.9	25.7	2.1	4.4	SW	30
18/05/2008	9:30 AM	26.0	26.2	25.9	1.7	3.9	SEE	30
18/05/2008	10:00AM	26.7	26.8	26.5	1.1	2.5	SWS	30
18/05/2008	10:30 AM	26.6	26.7	26.5	1.4	2.8	SES	30
18/05/2008	11:00AM	27.1	27.3	26.9	1.8	2.3	SWS	30
18/05/2008	11:30 AM	28.0	28.1	27.9	2.0	3.9	SWS	30
18/05/2008	12:00NN	27.5	27.9	27.2	1.2	2.2	SWS	30
18/05/2008	12:30 PM	28.1	28.4	27.8	2.5	3.4	SWS	30
18/05/2008	1:00 PM	28.3	28.3	28.2	2.0	2.7	S	30
18/05/2008	1:30 PM	27.8	28.1	27.6	2.2	3.0	SWS	30
18/05/2008	2:00 PM	28.2	28.4	28.0	2.8	4.7	SWS	30
18/05/2008	2:30 PM	28.0	28.2	27.9	1.9	3.8	SWS	30
18/05/2008	3:00 PM	28.0	28.4	27.9	1.7	3.2	SWS	30
18/05/2008	3:30 PM	27.2	27.6	27.0	2.2	2.9	SWS	30
18/05/2008	4:00 PM	27.3	27.4	27.1	1.7	2.7	SWS	30
18/05/2008	4:30 PM	27.0	27.2	27.0	1.5	2.0	SEE	30
18/05/2008	5:00 PM	26.7	27.1	26.5	1.6	2.5	SWS	30
18/05/2008	5:30 PM	26.6	26.6	26.4	2.3	3.2	SWS	30
18/05/2008	6:00 PM	26.5	26.7	26.4	1.0	1.2	SWS	30
18/05/2008	6:30 PM	25.7	25.8	25.5	0.6	0.7	SWS	30
18/05/2008	7:00 PM	25.0	25.2	24.8	1.1	3.3	SWS	30
18/05/2008	7:30 PM	25.0	25.0	24.9	1.7	2.5	SWS	30
18/05/2008	8:00 PM	25.0	25.3	24.8	0.9	0.9	SWS	30
18/05/2008	8:30 PM	25.0	25.1	25.0	0.5	0.7	SWS	30
18/05/2008	9:00 PM	25.0	25.0	24.9	1.7	2.0	SWS	30
18/05/2008	9:30 PM	24.8	24.9	24.7	1.1	1.9	SWS	30
18/05/2008	10:00 PM	24.6	24.8	24.3	1.0	1.4	SWS	30
18/05/2008	10:30 PM	24.2	24.6	24.1	1.3	1.6	SWS	30
18/05/2008	11:00 PM	24.1	24.4	23.9	0.8	1.4	SWW	30
18/05/2008	11:30 PM	23.8	24.0	23.5	0.4	0.8	SE	30

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s)		Wind Direction	Period (Min)
					Average	Hi		
19/05/2008	12:00 AM	23.6	23.8	23.3	1.1	1.9	SWW	30
19/05/2008	12:30 AM	23.4	23.6	23.4	0.1	1.3	N	30
19/05/2008	1:00 AM	23.3	23.5	23.1	0.0	2.3	N	30
19/05/2008	1:30 AM	23.3	23.5	23.2	0.1	0.4	N	30
19/05/2008	2:00 AM	23.2	23.5	23.1	0.3	2.0	NWN	30
19/05/2008	2:30 AM	23.1	23.2	23.1	0.4	2.2	NWW	30
19/05/2008	3:00 AM	23.1	23.3	23.0	0.1	1.1	N	30
19/05/2008	3:30 AM	23.0	23.3	23.0	0.5	1.5	NWN	30
19/05/2008	4:00 AM	23.2	23.4	23.0	0.1	2.3	N	30
19/05/2008	4:30 AM	23.3	23.6	23.1	0.7	2.2	NEE	30
19/05/2008	5:00 AM	23.4	23.6	23.3	2.2	3.9	NEE	30
19/05/2008	5:30 AM	23.7	23.7	23.6	1.7	3.5	NE	30
19/05/2008	6:00 AM	23.5	23.7	23.2	1.7	2.3	NEE	30
19/05/2008	6:30 AM	23.3	23.6	23.1	1.0	1.9	NWN	30
19/05/2008	7:00 AM	23.0	23.3	22.9	1.6	2.5	NWN	30
19/05/2008	7:30 AM	22.7	22.8	22.5	1.4	3.6	NWN	30
19/05/2008	8:00 AM	22.7	23.0	22.6	1.8	1.9	N	30
19/05/2008	8:30 AM	22.6	23.0	22.5	0.7	2.8	NWW	30
19/05/2008	9:00 AM	22.8	23.1	22.7	1.0	2.3	NWN	30
19/05/2008	9:30 AM	22.6	22.7	22.4	1.1	2.4	NWW	30
19/05/2008	10:00 AM	22.6	22.7	22.6	1.1	2.7	NEN	30
19/05/2008	10:30 AM	22.7	23.1	22.7	0.8	2.3	NEN	30
19/05/2008	11:00 AM	22.8	23.0	22.5	0.5	2.5	NW	30
19/05/2008	11:30 AM	22.8	23.0	22.7	0.5	0.6	NEE	30
19/05/2008	12:00 PM	22.4	22.8	22.3	1.3	3.3	NWN	30
19/05/2008	12:30 PM	22.8	23.1	22.5	1.7	2.5	NEE	30
19/05/2008	1:00 PM	22.6	22.8	22.4	2.1	2.5	NEE	30
19/05/2008	1:30 PM	22.5	22.6	22.4	2.0	2.0	NEE	30
19/05/2008	2:00 PM	22.7	22.7	22.5	1.0	2.8	N	30
19/05/2008	2:30 PM	22.4	22.6	22.3	1.6	1.9	NWN	30
19/05/2008	3:00 PM	22.3	22.5	22.0	1.0	2.6	NEE	30
19/05/2008	3:30 PM	22.0	22.2	21.8	1.1	1.9	SEE	30
19/05/2008	4:00 PM	21.8	21.9	21.7	1.1	1.5	NEN	30
19/05/2008	4:30 PM	21.7	21.8	21.6	0.9	1.9	NEE	30
19/05/2008	5:00 PM	21.5	21.6	21.2	1.3	2.0	SEE	30
19/05/2008	5:30 PM	21.4	21.8	21.3	1.1	2.1	NWN	30
19/05/2008	6:00 PM	21.5	21.5	21.4	0.8	1.3	NWN	30
19/05/2008	6:30 PM	21.4	21.4	21.3	2.3	3.8	NEE	30
19/05/2008	7:00 PM	21.3	21.6	21.3	0.8	2.5	NEE	30
19/05/2008	7:30 PM	21.3	21.5	21.3	0.8	1.9	NEN	30
19/05/2008	8:00 PM	21.3	21.7	21.3	2.1	3.5	NEE	30
19/05/2008	8:30 PM	21.4	21.5	21.3	1.8	2.2	NEN	30
19/05/2008	9:00 PM	21.2	21.4	21.0	2.3	3.4	NEN	30
19/05/2008	9:30 PM	21.2	21.4	21.2	2.0	3.5	NE	30
19/05/2008	10:00 PM	21.3	21.4	21.1	2.3	4.0	NEN	30
19/05/2008	10:30 PM	21.3	21.6	21.1	1.0	2.8	SEE	30
19/05/2008	11:00 PM	21.5	21.9	21.4	0.7	1.4	SWS	30
19/05/2008	11:30 PM	21.7	21.9	21.5	1.9	2.2	SES	30
20/05/2008	12:00 AM	21.9	22.0	21.7	1.8	3.7	SEE	30
20/05/2008	12:30 AM	21.6	21.9	21.4	1.7	3.7	SES	30
20/05/2008	1:00 AM	21.4	21.8	21.2	1.2	2.1	NEN	30
20/05/2008	1:30 AM	21.3	21.5	21.1	2.1	2.6	NEE	30
20/05/2008	2:00 AM	21.4	21.6	21.3	0.6	0.7	NEE	30
20/05/2008	2:30 AM	21.4	21.7	21.1	1.1	1.2	NEN	30
20/05/2008	3:00 AM	21.3	21.3	21.1	1.7	2.2	NEN	30
20/05/2008	3:30 AM	21.2	21.3	21.0	2.3	2.9	NEN	30
20/05/2008	4:00 AM	21.3	21.7	21.2	1.9	4.2	NEN	30
20/05/2008	4:30 AM	21.2	21.3	21.1	2.8	2.9	NEN	30
20/05/2008	5:00 AM	21.1	21.4	20.9	2.8	3.9	NEN	30
20/05/2008	5:30 AM	21.0	21.2	20.9	2.8	4.5	NEE	30
20/05/2008	6:00 AM	20.9	21.1	20.8	2.7	2.9	NEN	30
20/05/2008	6:30 AM	20.7	21.0	20.6	2.9	3.1	NEN	30
20/05/2008	7:00 AM	20.6	21.0	20.6	1.9	3.5	NEN	30
20/05/2008	7:30 AM	20.6	20.8	20.5	2.7	2.9	NEN	30
20/05/2008	8:00 AM	20.7	21.1	20.7	3.1	4.7	NEN	30
20/05/2008	8:30 AM	20.6	21.0	20.5	2.8	2.9	NEN	30
20/05/2008	9:00 AM	20.7	21.1	20.6	1.5	1.9	NEN	30
20/05/2008	9:30 AM	20.6	20.7	20.3	3.8	4.5	NEN	30
20/05/2008	10:00 AM	20.7	20.9	20.5	2.4	3.3	NEE	30
20/05/2008	10:30 AM	20.6	20.7	20.6	2.6	4.8	NEN	30
20/05/2008	11:00 AM	20.3	20.6	20.2	2.6	4.6	NEN	30
20/05/2008	11:30 AM	20.3	20.5	20.1	2.4	3.4	NE	30
20/05/2008	12:00 PM	20.3	20.6	20.1	2.5	4.0	NEN	30
20/05/2008	12:30 PM	20.4	20.8	20.2	2.5	2.6	NEN	30
20/05/2008	1:00 PM	20.5	20.8	20.3	2.2	4.1	NEN	30
20/05/2008	1:30 PM	20.2	20.6	19.9	2.6	2.6	NEN	30
20/05/2008	2:00 PM	20.3	20.4	20.2	3.2	4.8	NEN	30
20/05/2008	2:30 PM	20.1	20.3	20.0	3.1	4.8	NEN	30
20/05/2008	3:00 PM	20.1	20.3	20.1	3.4	4.7	NEE	30
20/05/2008	3:30 PM	20.2	20.5	20.1	3.3	3.8	NEN	30
20/05/2008	4:00 PM	20.1	20.3	20.0	3.3	4.4	NEE	30
20/05/2008	4:30 PM	20.3	20.6	20.0	2.5	3.8	NEE	30
20/05/2008	5:00 PM	20.3	20.4	20.3	2.6	3.6	NEE	30
20/05/2008	5:30 PM	20.3	20.6	20.2	2.5	3.0	NEE	30
20/05/2008	6:00 PM	20.0	20.0	19.7	2.6	4.7	E	30
20/05/2008	6:30 PM	20.0	20.3	19.8	2.4	3.5	NEE	30
20/05/2008	7:00 PM	20.1	20.1	19.9	3.1	3.2	NEE	30
20/05/2008	7:30 PM	20.0	20.2	19.7	2.8	4.4	NEE	30
20/05/2008	8:00 PM	20.1	20.1	19.8	3.0	4.3	NEE	30
20/05/2008	8:30 PM	20.0	20.2	19.8	3.9	5.8	NEN	30
20/05/2008	9:00 PM	19.9	20.0	19.8	3.3	4.5	NEN	30
20/05/2008	9:30 PM	19.8	19.9	19.6	3.6	4.9	NEN	30
20/05/2008	10:00 PM	19.7	19.9	19.4	3.3	5.3	NEN	30
20/05/2008	10:30 PM	19.7	20.0	19.5	4.2	5.0	NEN	30
20/05/2008	11:00 PM	19.7	19.7	19.7	3.9	5.1	NEN	30
20/05/2008	11:30 PM	19.5	19.8	19.2	4.9	6.8	NEN	30

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s)		Wind Direction	Period (Min)
					Average	Hi		
21/05/2008	12:00 AM	19.5	19.6	19.4	4.7	5.5	NEN	30
21/05/2008	12:30 AM	19.6	19.9	19.3	3.5	3.7	NEN	30
21/05/2008	1:00 AM	19.7	19.8	19.5	3.1	3.4	NEN	30
21/05/2008	1:30 AM	19.8	20.2	19.5	2.9	4.5	NEN	30
21/05/2008	2:00 AM	19.8	19.9	19.7	4.0	4.2	NEN	30
21/05/2008	2:30 AM	19.9	20.0	19.7	3.6	4.6	NEN	30
21/05/2008	3:00 AM	19.9	20.1	19.9	4.1	4.1	NEN	30
21/05/2008	3:30 AM	20.0	20.0	19.8	3.9	4.3	NEN	30
21/05/2008	4:00 AM	20.1	20.3	20.0	2.5	4.8	NEN	30
21/05/2008	4:30 AM	20.2	20.6	19.9	0.9	3.2	N	30
21/05/2008	5:00 AM	20.3	20.6	20.1	1.7	3.9	NEN	30
21/05/2008	5:30 AM	20.5	20.6	20.4	0.8	2.1	N	30
21/05/2008	6:00 AM	20.5	20.9	20.4	1.7	3.3	NEN	30
21/05/2008	6:30 AM	20.6	20.9	20.6	2.9	4.6	NEN	30
21/05/2008	7:00 AM	20.7	20.9	20.7	1.7	3.6	NEN	30
21/05/2008	7:30 AM	20.9	21.0	20.8	1.0	2.8	NEN	30
21/05/2008	8:00 AM	21.0	21.2	20.9	1.1	3.1	NEN	30
21/05/2008	8:30 AM	21.3	21.6	21.3	1.8	3.4	NEN	30
21/05/2008	9:00 AM	21.4	21.8	21.1	2.1	2.6	NEN	30
21/05/2008	9:30 AM	21.8	21.9	21.6	0.9	3.0	NEE	30
21/05/2008	10:00 AM	22.0	22.3	21.7	1.6	2.2	NE	30
21/05/2008	10:30 AM	22.3	22.6	22.3	2.0	4.2	NEE	30
21/05/2008	11:00 AM	23.0	23.2	22.9	2.4	3.4	NEE	30
21/05/2008	11:30 AM	23.0	23.2	22.9	1.8	3.4	NEE	30
21/05/2008	12:00 PM	22.9	23.2	22.9	2.2	3.6	NEE	30
21/05/2008	12:30 PM	23.0	23.4	23.0	1.6	2.4	NEE	30
21/05/2008	1:00 PM	23.3	23.4	23.1	1.7	2.0	NEE	30
21/05/2008	1:30 PM	23.4	23.7	23.3	1.7	2.0	NEN	30
21/05/2008	2:00 PM	23.5	23.6	23.4	1.8	1.9	NEE	30
21/05/2008	2:30 PM	23.3	23.4	23.1	1.1	2.3	NEE	30
21/05/2008	3:00 PM	23.3	23.4	23.1	1.7	3.8	NEE	30
21/05/2008	3:30 PM	23.7	23.9	23.7	1.7	2.0	NEE	30
21/05/2008	4:00 PM	23.7	23.7	23.7	1.3	2.2	NEN	30
21/05/2008	4:30 PM	23.9	24.3	23.8	1.1	1.7	E	30
21/05/2008	5:00 PM	24.0	24.1	23.9	1.5	1.6	NEN	30
21/05/2008	5:30 PM	23.5	23.5	23.3	1.6	3.1	NEN	30
21/05/2008	6:00 PM	23.1	23.5	23.0	1.4	2.3	NEN	30
21/05/2008	6:30 PM	22.9	23.1	22.8	1.7	3.9	NEN	30
21/05/2008	7:00 PM	22.8	23.1	22.8	0.9	2.3	NWN	30
21/05/2008	7:30 PM	22.8	23.0	22.5	1.9	3.1	NEN	30
21/05/2008	8:00 PM	22.8	22.8	22.5	1.8	3.9	NEN	30
21/05/2008	8:30 PM	22.9	22.9	22.8	1.2	2.9	N	30
21/05/2008	9:00 PM	22.8	23.1	22.6	1.5	1.5	NWN	30
21/05/2008	9:30 PM	22.8	23.1	22.7	1.1	1.4	NWN	30
21/05/2008	10:00 PM	22.8	23.1	22.7	1.1	3.2	NEN	30
21/05/2008	10:30 PM	22.7	22.9	22.6	1.7	2.1	NWN	30
21/05/2008	11:00 PM	22.7	22.7	22.5	1.5	1.6	NEN	30
21/05/2008	11:30 PM	22.6	22.9	22.3	1.7	3.2	NEN	30
22/05/2008	12:00 AM	22.6	22.9	22.3	1.5	2.6	NEN	30
22/05/2008	12:30 AM	22.6	22.7	22.5	1.7	1.8	NEN	30
22/05/2008	1:00 AM	22.6	22.6	22.5	1.0	1.9	NWN	30
22/05/2008	1:30 AM	22.5	22.7	22.5	0.1	1.9	NWN	30
22/05/2008	2:00 AM	22.5	22.7	22.3	0.5	1.9	NE	30
22/05/2008	2:30 AM	22.5	22.5	22.3	1.1	1.8	NWN	30
22/05/2008	3:00 AM	22.5	22.8	22.4	0.4	0.7	NWN	30
22/05/2008	3:30 AM	22.4	22.7	22.2	1.1	3.2	NWN	30
22/05/2008	4:00 AM	22.4	22.6	22.2	0.5	1.6	NWN	30
22/05/2008	4:30 AM	22.4	22.8	22.3	1.7	3.5	NEN	30
22/05/2008	5:00 AM	22.4	22.7	22.2	1.0	2.4	NEE	30
22/05/2008	5:30 AM	22.4	22.7	22.4	0.9	1.8	NEN	30
22/05/2008	6:00 AM	22.4	22.4	22.3	1.1	2.2	NEN	30
22/05/2008	6:30 AM	22.5	22.8	22.4	1.1	3.0	NEN	30
22/05/2008	7:00 AM	22.6	23.0	22.4	1.1	2.0	NEE	30
22/05/2008	7:30 AM	22.6	22.8	22.4	1.5	2.4	NEN	30
22/05/2008	8:00 AM	22.6	22.9	22.5	1.6	2.5	NEN	30
22/05/2008	8:30 AM	22.7	22.9	22.5	1.8	2.3	NEN	30
22/05/2008	9:00 AM	22.9	23.2	22.9	2.2	2.7	NEE	30
22/05/2008	9:30 AM	22.9	23.2	22.6	1.7	3.5	NEN	30
22/05/2008	10:00 AM	23.0	23.3	22.9	1.9	2.9	NEN	30
22/05/2008	10:30 AM	23.0	23.3	22.8	1.2	1.4	NEN	30
22/05/2008	11:00 AM	23.0	23.4	22.7	3.2	5.5	NEN	30
22/05/2008	11:30 AM	23.0	23.3	22.9	2.8	4.4	NEN	30
22/05/2008	12:00 PM	23.0	23.0	22.8	1.0	1.4	NWN	30
22/05/2008	12:30 PM	23.1	23.3	23.0	2.1	3.0	NWN	30
22/05/2008	1:00 PM	23.2	23.2	23.0	2.0	3.3	NEN	30
22/05/2008	1:30 PM	23.5	23.7	23.4	1.9	3.8	NEN	30
22/05/2008	2:00 PM	23.9	24.3	23.7	1.1	1.6	NWN	30
22/05/2008	2:30 PM	23.9	24.2	23.7	1.1	1.3	NW	30
22/05/2008	3:00 PM	23.9	24.2	23.7	0.9	2.4	NEE	30
22/05/2008	3:30 PM	23.9	24.1	23.8	1.2	1.8	NWN	30
22/05/2008	4:00 PM	23.8	24.2	23.7	0.7	1.5	NEE	30
22/05/2008	4:30 PM	24.0	24.2	23.8	1.1	3.2	NEN	30
22/05/2008	5:00 PM	24.0	24.0	23.7	1.6	2.2	NEN	30
22/05/2008	5:30 PM	23.8	24.1	23.7	1.0	1.7	NWN	30
22/05/2008	6:00 PM	23.7	23.8	23.6	1.1	1.9	NEN	30
22/05/2008	6:30 PM	23.7	23.9	23.5	0.8	1.0	NEN	30
22/05/2008	7:00 PM	23.6	23.8	23.4	1.2	1.7	NEN	30
22/05/2008	7:30 PM	23.5	23.7	23.5	1.7	3.9	NEN	30
22/05/2008	8:00 PM	23.6	23.9	23.4	1.1	2.0	NWN	30
22/05/2008	8:30 PM	23.6	23.9	23.6	1.6	3.9	NEN	30
22/05/2008	9:00 PM	23.7	23.8	23.5	1.3	3.5	NWN	30
22/05/2008	9:30 PM	23.6	23.7	23.6	1.3	2.2	NEN	30
22/05/2008	10:00 PM	23.7	24.0	23.6	1.2	2.8	NWN	30
22/05/2008	10:30 PM	23.8	24.2	23.8	1.5	2.2	NEE	30
22/05/2008	11:00 PM	23.8	23.9	23.5	0.6	2.5	NWN	30
22/05/2008	11:30 PM	23.8	24.0	23.6	1.1	2.3	NEN	30

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s)		Wind Direction	Period (Min)
					Average	Hi		
23/05/2008	12:00 AM	23.8	24.1	23.7	1.9	3.6	NEN	30
23/05/2008	12:30 AM	23.9	24.2	23.6	0.7	2.2	NEE	30
23/05/2008	1:00 AM	23.9	23.9	23.8	1.3	2.2	NEN	30
23/05/2008	1:30 AM	23.9	24.0	23.8	1.1	1.7	NEN	30
23/05/2008	2:00 AM	24.0	24.2	23.8	0.6	2.1	NEE	30
23/05/2008	2:30 AM	24.0	24.2	23.8	1.0	1.4	NEN	30
23/05/2008	3:00 AM	24.0	24.3	23.8	0.3	1.7	NWW	30
23/05/2008	3:30 AM	23.9	23.9	23.9	0.1	2.2	NWW	30
23/05/2008	4:00 AM	23.9	24.0	23.7	0.1	1.5	NWN	30
23/05/2008	4:30 AM	23.4	23.5	23.4	0.1	1.6	N	30
23/05/2008	5:00 AM	23.7	24.1	23.6	0.1	2.0	NEE	30
23/05/2008	5:30 AM	23.4	23.4	23.3	0.1	1.3	N	30
23/05/2008	6:00 AM	23.7	23.8	23.6	0.2	0.8	SEE	30
23/05/2008	6:30 AM	23.9	24.2	23.8	1.3	2.3	NEN	30
23/05/2008	7:00 AM	24.0	24.3	23.9	0.2	0.7	NEN	30
23/05/2008	7:30 AM	24.4	24.4	24.3	1.7	2.3	NEE	30
23/05/2008	8:00 AM	24.6	24.6	24.3	1.5	3.6	NEE	30
23/05/2008	8:30 AM	25.3	25.6	25.0	1.4	3.0	NEE	30
23/05/2008	9:00 AM	26.1	26.3	25.9	1.8	1.9	NEE	30
23/05/2008	9:30 AM	27.2	27.4	27.0	3.0	5.1	NEE	30
23/05/2008	10:00 AM	28.1	28.2	28.0	1.1	2.3	NEE	30
23/05/2008	10:30 AM	28.4	28.8	28.3	1.5	1.5	NE	30
23/05/2008	11:00 AM	28.8	29.0	28.7	1.2	3.1	NE	30
23/05/2008	11:30 AM	29.0	29.3	28.8	1.6	2.8	NE	30
23/05/2008	12:00 PM	29.5	29.7	29.3	1.2	2.9	NEE	30
23/05/2008	12:30 PM	29.7	29.9	29.6	2.1	3.1	NE	30
23/05/2008	1:00 PM	29.8	30.0	29.8	1.3	1.3	NEN	30
23/05/2008	1:30 PM	29.6	29.9	29.5	1.9	2.7	N	30
23/05/2008	2:00 PM	29.4	29.6	29.2	2.3	3.3	N	30
23/05/2008	2:30 PM	29.3	29.3	29.2	2.1	3.3	NE	30
23/05/2008	3:00 PM	29.1	29.4	29.1	1.7	2.5	NEN	30
23/05/2008	3:30 PM	29.0	29.3	28.9	1.8	2.6	NWN	30
23/05/2008	4:00 PM	28.7	28.9	28.5	1.3	2.0	NW	30
23/05/2008	4:30 PM	28.6	28.8	28.5	0.6	2.9	NW	30
23/05/2008	5:00 PM	28.4	28.7	28.2	2.1	2.3	N	30
23/05/2008	5:30 PM	28.1	28.2	28.0	1.3	3.5	NWN	30
23/05/2008	6:00 PM	27.9	28.2	27.8	1.0	2.3	W	30
23/05/2008	6:30 PM	27.4	27.7	27.2	1.6	2.1	W	30
23/05/2008	7:00 PM	27.2	27.6	27.1	1.6	2.4	N	30
23/05/2008	7:30 PM	26.9	27.0	26.8	1.2	2.9	N	30
23/05/2008	8:00 PM	26.7	26.8	26.6	0.8	1.1	NWN	30
23/05/2008	8:30 PM	26.6	26.6	26.3	0.7	1.6	NWN	30
23/05/2008	9:00 PM	26.4	26.6	26.2	0.6	2.5	N	30
23/05/2008	9:30 PM	26.2	26.6	26.1	0.9	3.2	N	30
23/05/2008	10:00 PM	26.0	26.2	25.8	1.3	3.3	N	30
23/05/2008	10:30 PM	25.8	25.9	25.6	1.2	2.8	NWN	30
23/05/2008	11:00PM	25.7	25.8	25.6	1.9	3.4	NW	30
23/05/2008	11:30PM	25.4	25.5	25.3	2.5	4.6	NWN	30
24/05/2008	12:00 AM	25.5	25.6	25.3	1.5	2.0	NWN	30
24/05/2008	12:30AM	25.3	25.4	25.1	0.8	2.6	NW	30
24/05/2008	1:00 AM	25.1	25.4	25.0	1.3	1.6	NW	30
24/05/2008	1:30 AM	25.2	25.3	24.9	1.2	2.4	NW	30
24/05/2008	2:00 AM	25.0	25.3	24.7	0.6	1.0	NWN	30
24/05/2008	2:30 AM	25.1	25.3	25.1	1.3	2.1	NWN	30
24/05/2008	3:00 AM	25.0	25.1	24.8	1.0	2.1	NW	30
24/05/2008	3:30 AM	24.9	25.1	24.8	0.8	1.6	NW	30
24/05/2008	4:00 AM	25.0	25.2	24.9	0.9	2.0	NWN	30
24/05/2008	4:30 AM	25.0	25.4	24.9	0.7	1.0	NE	30
24/05/2008	5:00 AM	24.9	25.3	24.8	1.2	2.1	NEN	30
24/05/2008	5:30 AM	24.9	24.9	24.6	1.3	3.4	NEN	30
24/05/2008	6:00 AM	25.0	25.4	24.9	1.1	1.2	E	30
24/05/2008	6:30 AM	25.2	25.2	25.0	1.1	2.6	E	30
24/05/2008	7:00 AM	25.4	25.6	25.1	1.9	2.8	NEN	30
24/05/2008	7:30 AM	25.9	26.1	25.8	1.4	2.4	NEN	30
24/05/2008	8:00 AM	26.3	26.3	26.3	1.5	1.8	N	30
24/05/2008	8:30 AM	26.5	26.5	26.4	1.3	1.8	N	30
24/05/2008	9:00 AM	26.7	26.7	26.5	1.9	1.9	N	30
24/05/2008	9:30 AM	27.2	27.4	27.0	2.3	4.3	N	30
24/05/2008	10:00 AM	27.8	28.0	27.7	2.4	2.9	NEN	30
24/05/2008	10:30 AM	28.0	28.4	27.7	2.1	2.7	NEN	30
24/05/2008	11:00 AM	28.6	28.8	28.5	1.3	2.3	NW	30
24/05/2008	11:30 AM	28.9	29.1	28.6	1.2	1.4	NWN	30
24/05/2008	12:00 PM	29.7	30.0	29.4	1.9	2.9	NWN	30
24/05/2008	12:30 PM	30.5	30.7	30.3	2.0	2.7	NWN	30
24/05/2008	1:00 PM	30.8	31.1	30.5	1.3	2.8	NWN	30
24/05/2008	1:30 PM	31.0	31.2	30.7	1.0	2.8	NWN	30
24/05/2008	2:00 PM	30.8	31.1	30.7	1.6	3.0	N	30
24/05/2008	2:30 PM	30.7	31.0	30.7	2.1	3.9	W	30
24/05/2008	3:00 PM	30.5	30.7	30.5	1.3	1.7	W	30
24/05/2008	3:30 PM	30.5	30.5	30.4	1.8	2.3	W	30
24/05/2008	4:00 PM	30.1	30.2	30.1	1.4	1.5	SWS	30
24/05/2008	4:30 PM	29.7	29.9	29.4	1.3	2.8	SWS	30
24/05/2008	5:00 PM	29.4	29.5	29.3	1.9	3.9	W	30
24/05/2008	5:30 PM	29.1	29.4	28.8	1.7	3.8	W	30
24/05/2008	6:00 PM	28.8	29.0	28.8	2.2	2.9	NWN	30
24/05/2008	6:30 PM	28.5	28.6	28.3	1.8	3.0	NWN	30
24/05/2008	7:00 PM	28.3	28.6	28.0	1.0	2.5	NW	30
24/05/2008	7:30 PM	28.1	28.3	27.8	1.3	3.5	NWN	30
24/05/2008	8:00 PM	27.8	28.2	27.8	1.5	2.7	W	30
24/05/2008	8:30 PM	27.4	27.5	27.1	2.1	3.5	W	30
24/05/2008	9:00 PM	27.0	27.2	26.8	2.3	4.4	W	30
24/05/2008	9:30 PM	26.7	26.7	26.6	2.0	4.1	SWS	30
24/05/2008	10:00 PM	26.5	26.6	26.4	1.5	2.9	SES	30
24/05/2008	10:30 PM	26.4	26.4	26.2	1.3	2.4	SWS	30
24/05/2008	11:00 PM	26.1	26.1	25.8	1.4	1.8	SWS	30
24/05/2008	11:30 PM	26.0	26.1	25.8	1.3	2.6	SWS	30

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s) Average	Wind Speed (m/s) Hi	Wind Direction	Period (Min)
25/05/2008	12:00 AM	25.9	26.0	25.7	1.9	2.0	SW	30
25/05/2008	12:30 AM	25.7	26.1	25.5	2.1	3.6	SW	30
25/05/2008	1:00 AM	25.7	25.8	25.6	1.8	4.0	SW	30
25/05/2008	1:30 AM	25.4	25.5	25.2	1.5	3.3	SW	30
25/05/2008	2:00 AM	25.5	25.7	25.3	1.3	3.1	NWN	30
25/05/2008	2:30 AM	25.6	26.0	25.3	1.1	2.4	NWN	30
25/05/2008	3:00 AM	25.4	25.5	25.2	0.8	2.7	N	30
25/05/2008	3:30 AM	25.3	25.7	25.3	0.7	2.7	N	30
25/05/2008	4:00 AM	25.4	25.4	25.1	0.6	2.3	NWN	30
25/05/2008	4:30 AM	25.4	25.6	25.3	0.9	1.4	W	30
25/05/2008	5:00 AM	25.3	25.6	25.0	1.0	1.9	W	30
25/05/2008	5:30 AM	25.2	25.3	24.9	1.3	1.4	NW	30
25/05/2008	6:00 AM	25.4	25.5	25.2	1.0	1.5	NW	30
25/05/2008	6:30 AM	25.9	26.0	25.8	1.9	3.6	W	30
25/05/2008	7:00 AM	26.4	26.8	26.1	1.7	3.6	SWS	30
25/05/2008	7:30 AM	27.8	28.0	27.7	1.2	1.4	SE	30
25/05/2008	8:00 AM	28.3	28.5	28.1	1.3	3.3	SWS	30
25/05/2008	8:30 AM	28.9	29.0	28.7	1.2	2.2	SWS	30
25/05/2008	9:00 AM	28.9	29.1	28.9	2.8	5.0	SWS	30
25/05/2008	9:30 AM	29.0	29.0	28.7	1.2	3.0	SWS	30
25/05/2008	10:00 AM	29.4	29.5	29.1	2.3	3.7	SWS	30
25/05/2008	10:30 AM	28.3	28.5	28.2	2.4	2.7	SWS	30
25/05/2008	11:00 AM	28.7	28.9	28.5	2.0	3.9	SWS	30
25/05/2008	11:30 AM	17.6	17.8	17.5	2.4	2.9	SWS	30
25/05/2008	12:00 PM	17.4	17.7	17.3	2.2	4.3	SW	30
25/05/2008	12:30 PM	18.1	18.5	18.0	2.1	3.7	SWS	30
25/05/2008	1:00 PM	19.1	19.3	19.0	1.8	2.1	SWS	30
25/05/2008	1:30 PM	19.6	19.9	19.5	2.7	3.9	SWS	30
25/05/2008	2:00 PM	19.2	19.3	19.1	1.6	3.8	SWS	30
25/05/2008	2:30 PM	19.1	19.4	19.1	2.2	2.4	SWS	30
25/05/2008	3:00 PM	29.2	29.4	28.9	1.7	2.7	SWS	30
25/05/2008	3:30 PM	29.0	29.3	28.9	1.2	3.3	SWS	30
25/05/2008	4:00 PM	29.1	29.2	28.9	1.6	3.0	SWS	30
25/05/2008	4:30 PM	29.0	29.2	28.9	0.6	2.1	SES	30
25/05/2008	5:00 PM	28.9	29.3	28.6	1.1	2.9	SWS	30
25/05/2008	5:30 PM	28.3	28.6	28.3	1.1	2.0	SES	30
25/05/2008	6:00 PM	28.0	28.1	27.9	0.3	0.8	SEE	30
25/05/2008	6:30 PM	27.2	27.6	27.1	0.6	1.6	SWS	30
25/05/2008	7:00 PM	26.9	27.2	26.7	1.2	2.9	SWS	30
25/05/2008	7:30 PM	26.1	26.3	25.9	0.3	1.1	S	30
25/05/2008	8:00 PM	25.9	26.2	25.6	0.6	2.8	SWS	30
25/05/2008	8:30 PM	25.8	25.9	25.7	1.0	2.2	SWS	30
25/05/2008	9:00 PM	25.7	25.8	25.5	0.3	2.3	SWS	30
25/05/2008	9:30 PM	25.9	26.2	25.6	1.0	2.5	SWS	30
25/05/2008	10:00 PM	26.1	26.1	26.0	0.6	1.8	SWW	30
25/05/2008	10:30 PM	26.3	26.6	26.2	0.4	0.9	SWS	30
25/05/2008	11:00 PM	26.2	26.3	26.2	1.0	1.2	SWS	30
25/05/2008	11:30 PM	26.3	26.5	26.1	0.2	2.3	SWS	30
26/05/2008	12:00 AM	26.4	26.5	26.4	0.3	2.1	SWS	30
26/05/2008	12:30 AM	26.3	26.7	26.2	0.7	1.6	SES	30
26/05/2008	1:00 AM	26.1	26.2	26.0	0.8	2.3	SWS	30
26/05/2008	1:30 AM	25.9	26.3	25.8	0.6	1.8	S	30
26/05/2008	2:00 AM	25.9	26.0	25.9	1.1	3.2	SWS	30
26/05/2008	2:30 AM	26.0	26.1	25.7	1.7	3.9	SWS	30
26/05/2008	3:00 AM	26.0	26.1	25.8	0.9	1.4	SWS	30
26/05/2008	3:30 AM	25.9	26.1	25.8	0.3	1.0	SWS	30
26/05/2008	4:00 AM	26.0	26.4	25.7	0.1	1.3	SWS	30
26/05/2008	4:30 AM	26.1	26.1	26.0	1.0	1.9	SWS	30
26/05/2008	5:00 AM	26.1	26.2	26.0	0.7	2.1	SWS	30
26/05/2008	5:30 AM	26.2	26.6	26.1	1.3	3.1	SWS	30
26/05/2008	6:00 AM	26.2	26.6	26.0	1.0	1.5	SWS	30
26/05/2008	6:30 AM	26.2	26.3	26.1	1.2	1.9	SWW	30
26/05/2008	7:00 AM	26.2	26.4	26.0	2.0	2.5	SWS	30
26/05/2008	7:30 AM	26.9	27.1	26.6	1.1	2.5	SWS	30
26/05/2008	8:00 AM	27.0	27.1	26.9	1.6	1.9	SWS	30
26/05/2008	8:30 AM	27.3	27.5	27.1	2.2	2.8	SWS	30
26/05/2008	9:00 AM	27.6	27.6	27.5	2.0	3.6	SWS	30
26/05/2008	9:30 AM	27.7	28.0	27.5	2.3	2.9	SWS	30
26/05/2008	10:00 AM	27.7	28.0	27.6	2.3	3.5	SWS	30
26/05/2008	10:30 AM	27.5	27.8	27.2	2.0	4.0	SWS	30
26/05/2008	11:00 AM	27.9	27.9	27.8	2.2	3.9	SWS	30
26/05/2008	11:30 AM	28.4	28.8	28.4	1.9	2.7	SWS	30
26/05/2008	12:00 PM	29.3	29.4	29.2	2.3	3.0	SWS	30
26/05/2008	12:30 PM	29.9	29.9	29.7	2.7	4.6	SWS	30
26/05/2008	1:00 PM	29.1	29.2	29.0	2.4	3.4	SWS	30
26/05/2008	1:30 PM	28.5	28.7	28.3	1.8	3.0	SWS	30
26/05/2008	2:00 PM	28.7	28.8	28.5	2.6	3.0	SWS	30
26/05/2008	2:30 PM	29.3	29.4	29.0	2.8	3.0	SWS	30
26/05/2008	3:00 PM	29.2	29.4	29.1	2.4	2.6	SWS	30
26/05/2008	3:30 PM	28.4	28.8	28.3	1.5	3.6	SWS	30
26/05/2008	4:00 PM	28.0	28.2	28.0	1.7	3.5	SWS	30
26/05/2008	4:30 PM	27.2	27.5	27.0	1.5	3.3	SWW	30
26/05/2008	5:00 PM	27.1	27.3	26.9	1.1	2.0	SWS	30
26/05/2008	5:30 PM	26.4	26.6	26.3	1.2	1.6	E	30
26/05/2008	6:00 PM	26.0	26.1	25.8	1.0	2.8	NWW	30
26/05/2008	6:30 PM	25.0	25.1	24.8	1.6	3.2	NEN	30
26/05/2008	7:00 PM	25.0	25.4	24.7	1.6	2.1	NWW	30
26/05/2008	7:30 PM	24.9	25.2	24.8	0.4	1.6	NEE	30
26/05/2008	8:00 PM	25.0	25.3	24.8	0.4	2.4	NWW	30
26/05/2008	8:30 PM	25.2	25.4	25.0	0.6	1.9	NWW	30
26/05/2008	9:00 PM	25.4	25.6	25.3	0.2	0.6	NEE	30
26/05/2008	9:30 PM	25.3	25.4	25.1	0.1	0.4	NEE	30
26/05/2008	10:00 PM	25.4	25.6	25.4	0.4	1.2	NWN	30
26/05/2008	10:30 PM	25.5	25.6	25.2	0.1	1.9	NEE	30
26/05/2008	11:00 PM	25.5	25.8	25.4	0.1	0.6	N	30
26/05/2008	11:30 PM	25.9	26.1	25.7	0.1	1.9	N	30

東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s)		Wind Direction	Period (Min)
					Average	Hi		
27/05/2008	12:00 AM	25.9	25.9	25.8	0.1	0.7	N	30
27/05/2008	12:30 AM	25.8	25.9	25.8	0.8	0.9	SWS	30
27/05/2008	1:00 AM	25.7	26.0	25.6	1.1	2.8	SWS	30
27/05/2008	1:30 AM	25.7	25.9	25.6	0.6	2.6	SWS	30
27/05/2008	2:00 AM	25.6	25.7	25.4	0.9	1.0	SWS	30
27/05/2008	2:30 AM	25.5	25.5	25.2	0.4	2.4	N	30
27/05/2008	3:00 AM	25.2	25.5	25.0	1.3	1.5	SW	30
27/05/2008	3:30 AM	25.1	25.2	24.9	1.2	2.0	SW	30
27/05/2008	4:00 AM	25.4	25.6	25.3	1.4	2.7	SWS	30
27/05/2008	4:30 AM	25.7	26.0	25.6	1.8	2.3	SWS	30
27/05/2008	5:00 AM	25.8	26.2	25.6	1.6	3.6	SWS	30
27/05/2008	5:30 AM	25.7	26.1	25.5	1.6	3.8	SWS	30
27/05/2008	6:00 AM	25.6	25.6	25.4	1.3	3.2	SWS	30
27/05/2008	6:30 AM	25.9	26.1	25.7	1.4	2.8	SWW	30
27/05/2008	7:00 AM	26.3	26.5	26.3	1.1	1.2	SWS	30
27/05/2008	7:30 AM	27.4	27.7	27.3	2.1	2.9	SWS	30
27/05/2008	8:00 AM	28.0	28.2	27.8	2.1	4.0	SWS	30
27/05/2008	8:30 AM	28.2	28.3	28.0	1.2	1.9	SWS	30
27/05/2008	9:00 AM	28.7	28.8	28.6	1.9	3.6	SWS	30
27/05/2008	9:30 AM	29.7	30.1	29.5	2.4	4.6	SWS	30
27/05/2008	10:00 AM	30.0	30.3	29.9	2.4	4.6	SWS	30
27/05/2008	10:30 AM	30.3	30.6	30.1	2.7	3.5	SWS	30
27/05/2008	11:00 AM	31.0	31.1	30.9	2.0	4.3	SWS	30
27/05/2008	11:30 AM	31.4	31.7	31.1	1.9	3.6	S	30
27/05/2008	12:00 PM	30.3	30.5	30.3	2.2	3.0	SWW	30
27/05/2008	12:30 PM	30.9	31.1	30.8	1.8	2.8	SWS	30
27/05/2008	1:00 PM	31.2	31.2	31.2	1.8	2.7	S	30
27/05/2008	1:30 PM	31.0	31.3	30.8	2.5	4.0	SWS	30
27/05/2008	2:00 PM	30.9	31.0	30.7	2.0	3.9	SWS	30
27/05/2008	2:30 PM	30.7	31.0	30.7	2.2	2.7	S	30
27/05/2008	3:00 PM	29.9	30.1	29.8	2.3	4.0	SWS	30
27/05/2008	3:30 PM	29.5	29.7	29.2	2.6	3.2	SWS	30
27/05/2008	4:00 PM	29.1	29.1	29.0	2.9	3.2	SWS	30
27/05/2008	4:30 PM	28.9	29.0	28.6	2.9	4.2	SWS	30
27/05/2008	5:00 PM	28.7	28.8	28.6	2.9	3.4	SWS	30
27/05/2008	5:30 PM	28.5	28.8	28.4	2.4	3.8	S	30
27/05/2008	6:00 PM	28.4	28.7	28.2	2.4	2.8	SWS	30
27/05/2008	6:30 PM	28.0	28.2	27.7	1.8	2.3	SWS	30
27/05/2008	7:00 PM	27.9	28.1	27.9	2.3	3.2	SWS	30
27/05/2008	7:30 PM	27.8	28.1	27.8	2.1	3.4	SES	30
27/05/2008	8:00 PM	27.7	27.7	27.4	2.0	4.1	SWS	30
27/05/2008	8:30 PM	27.6	27.8	27.6	2.9	4.4	SWS	30
27/05/2008	9:00 PM	27.6	27.9	27.3	2.7	4.9	SWS	30
27/05/2008	9:30 PM	27.6	27.9	27.5	2.4	2.7	SWS	30
27/05/2008	10:00 PM	27.6	28.0	27.4	1.7	3.6	SWS	30
27/05/2008	10:30 PM	27.7	27.7	27.5	1.2	1.9	SWS	30
27/05/2008	11:00 PM	27.7	27.7	27.4	2.1	3.5	S	30
27/05/2008	11:30 PM	27.6	28.0	27.5	2.2	4.1	SWS	30
28/05/2008	12:00 AM	27.7	27.9	27.5	2.3	4.5	SWS	30
28/05/2008	12:30 AM	27.6	27.8	27.4	1.7	3.0	SWS	30
28/05/2008	1:00 AM	27.7	28.0	27.5	1.5	3.0	SWS	30
28/05/2008	1:30 AM	27.6	27.8	27.5	2.1	2.4	SWS	30
28/05/2008	2:00 AM	27.7	28.0	27.5	2.3	3.4	SWS	30
28/05/2008	2:30 AM	27.6	27.6	27.4	2.8	3.3	SWS	30
28/05/2008	3:00 AM	27.4	27.5	27.3	1.8	3.6	SWS	30
28/05/2008	3:30 AM	26.8	26.9	26.5	1.2	2.7	SWW	30
28/05/2008	4:00 AM	26.5	26.9	26.4	1.3	2.4	SW	30
28/05/2008	4:30 AM	26.9	26.9	26.7	2.3	3.1	SWW	30
28/05/2008	5:00 AM	26.5	26.8	26.4	1.5	3.3	SW	30
28/05/2008	5:30 AM	26.5	26.7	26.2	1.5	2.9	SWW	30
28/05/2008	6:00 AM	27.0	27.1	26.9	1.2	1.6	SWW	30
28/05/2008	6:30 AM	27.0	27.2	26.9	1.6	2.3	SWS	30
28/05/2008	7:00 AM	28.0	28.1	27.9	2.3	3.1	S	30
28/05/2008	7:30 AM	28.0	28.2	27.9	1.7	3.2	SWS	30
28/05/2008	8:00 AM	28.5	28.6	28.4	1.1	1.1	SWS	30
28/05/2008	8:30 AM	28.8	29.2	28.7	2.3	4.2	SWS	30
28/05/2008	9:00 AM	29.3	29.6	29.1	2.2	3.4	SWS	30
28/05/2008	9:30 AM	28.8	29.1	28.8	2.4	4.7	SW	30
28/05/2008	10:00 AM	28.6	28.9	28.6	1.5	2.0	SWS	30
28/05/2008	10:30 AM	28.3	28.6	28.2	1.8	3.0	SWS	30
28/05/2008	11:00 AM	28.0	28.1	27.8	2.6	4.7	SWS	30
28/05/2008	11:30 AM	27.8	28.1	27.5	2.2	2.8	S	30
28/05/2008	12:00 PM	27.1	27.4	26.8	2.4	3.0	SWS	30
28/05/2008	12:30 PM	27.1	27.3	26.8	3.3	4.8	SWS	30
28/05/2008	1:00 PM	27.2	27.3	27.2	2.7	3.7	SWS	30
28/05/2008	1:30 PM	27.5	27.6	27.4	4.2	5.8	SWS	30
28/05/2008	2:00 PM	27.8	27.9	27.7	4.2	4.4	SWS	30
28/05/2008	2:30 PM	27.9	28.0	27.8	3.2	4.5	SWS	30
28/05/2008	3:00 PM	28.1	28.3	27.9	2.0	3.8	SWS	30
28/05/2008	3:30 PM	28.1	28.1	27.8	2.3	3.5	SWS	30
28/05/2008	4:00 PM	28.2	28.4	28.0	1.0	2.8	SWS	30
28/05/2008	4:30 PM	28.1	28.3	27.8	1.7	2.4	SWS	30
28/05/2008	5:00 PM	28.2	28.4	28.1	3.1	3.2	SWS	30
28/05/2008	5:30 PM	28.3	28.6	28.1	2.5	3.1	SWS	30
28/05/2008	6:00 PM	28.1	28.1	28.0	2.5	3.7	SWS	30
28/05/2008	6:30 PM	28.0	28.2	27.8	1.5	3.6	SWS	30
28/05/2008	7:00 PM	27.9	28.1	27.7	1.8	2.9	SWS	30
28/05/2008	7:30 PM	27.6	27.7	27.5	1.8	1.9	SWS	30
28/05/2008	8:00 PM	27.6	27.7	27.3	1.7	2.7	SWS	30
28/05/2008	8:30 PM	27.5	27.5	27.4	1.6	3.7	SWS	30
28/05/2008	9:00 PM	27.4	27.5	27.3	1.8	2.2	SWS	30
28/05/2008	9:30 PM	27.5	27.9	27.3	1.7	2.3	SWS	30
28/05/2008	10:00 PM	27.4	27.7	27.2	1.7	1.9	SWS	30
28/05/2008	10:30 PM	27.4	27.6	27.3	2.3	3.5	SWS	30
28/05/2008	11:00 PM	27.5	27.7	27.5	1.7	1.7	SWS	30
28/05/2008	11:30 PM	27.6	27.8	27.6	1.5	1.5	SWS	30

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s)		Wind Direction	Period (Min)
					Average	Hi		
29/05/2008	12:00 AM	27.7	28.0	27.5	1.8	2.2	SWS	30
29/05/2008	12:30 AM	27.5	27.8	27.4	1.4	2.6	SWS	30
29/05/2008	1:00 AM	27.4	27.7	27.1	0.7	1.9	SWS	30
29/05/2008	1:30 AM	27.3	27.5	27.1	1.0	1.5	SWW	30
29/05/2008	2:00 AM	27.3	27.6	27.2	1.6	3.9	SWS	30
29/05/2008	2:30 AM	27.2	27.3	27.0	1.0	2.9	SWS	30
29/05/2008	3:00 AM	27.1	27.4	27.0	1.0	2.0	SWS	30
29/05/2008	3:30 AM	27.2	27.6	27.0	1.5	2.1	SWW	30
29/05/2008	4:00 AM	27.2	27.6	27.2	0.8	2.5	SWW	30
29/05/2008	4:30 AM	27.4	27.6	27.2	0.3	1.3	SWW	30
29/05/2008	5:00 AM	27.3	27.5	27.1	1.5	3.2	SWS	30
29/05/2008	5:30 AM	27.3	27.6	27.0	1.8	3.8	SW	30
29/05/2008	6:00 AM	27.2	27.6	27.2	0.8	1.7	SES	30
29/05/2008	6:30 AM	27.1	27.3	27.0	1.5	1.7	SWS	30
29/05/2008	7:00 AM	27.3	27.5	27.3	1.9	2.6	SWS	30
29/05/2008	7:30 AM	27.5	27.5	27.5	1.0	2.5	SWW	30
29/05/2008	8:00 AM	27.6	27.9	27.6	1.0	2.2	SWS	30
29/05/2008	8:30 AM	27.8	28.2	27.7	0.8	1.8	SWS	30
29/05/2008	9:00 AM	27.3	27.4	27.2	1.7	2.1	SWS	30
29/05/2008	9:30 AM	26.3	26.6	26.1	1.3	2.1	SWS	30
29/05/2008	10:00 AM	25.4	25.7	25.2	1.1	2.1	SWW	30
29/05/2008	10:30 AM	24.0	24.3	23.8	0.3	1.8	N	30
29/05/2008	11:00 AM	24.0	24.2	23.8	1.7	2.8	SWW	30
29/05/2008	11:30 AM	24.3	24.6	24.3	1.1	3.3	NWW	30
29/05/2008	12:00 PM	25.0	25.2	25.0	0.5	2.7	NWW	30
29/05/2008	12:30 PM	26.0	26.1	25.9	1.8	3.0	SWS	30
29/05/2008	1:00 PM	26.6	26.7	26.4	0.4	0.9	SE	30
29/05/2008	1:30 PM	26.9	27.0	26.7	1.7	3.6	SWS	30
29/05/2008	2:00 PM	27.2	27.2	27.0	2.1	2.7	SWS	30
29/05/2008	2:30 PM	27.7	28.1	27.5	1.1	1.3	SWS	30
29/05/2008	3:00 PM	28.1	28.1	28.0	1.0	1.1	SWW	30
29/05/2008	3:30 PM	28.2	28.3	28.0	2.3	3.8	SWS	30
29/05/2008	4:00 PM	28.2	28.4	28.1	1.1	3.2	S	30
29/05/2008	4:30 PM	28.0	28.1	27.9	1.1	2.0	SWW	30
29/05/2008	5:00 PM	27.8	28.1	27.5	1.8	2.2	SWS	30
29/05/2008	5:30 PM	27.9	28.2	27.6	1.3	2.3	SWS	30
29/05/2008	6:00 PM	27.7	27.9	27.5	1.7	2.2	SW	30
29/05/2008	6:30 PM	27.6	27.8	27.4	2.6	4.0	SWW	30
29/05/2008	7:00 PM	27.2	27.5	27.0	1.1	1.1	SWS	30
29/05/2008	7:30 PM	26.5	26.5	26.4	1.0	3.2	SWS	30
29/05/2008	8:00 PM	26.7	26.9	26.6	1.7	2.5	SWS	30
29/05/2008	8:30 PM	26.8	26.9	26.8	1.9	2.5	SWS	30
29/05/2008	9:00 PM	27.0	27.2	26.9	1.8	2.1	SWS	30
29/05/2008	9:30 PM	26.9	27.2	26.9	1.1	1.9	SWS	30
29/05/2008	10:00 PM	27.1	27.3	26.9	1.4	2.0	SWW	30
29/05/2008	10:30 PM	27.0	27.0	26.8	1.2	1.7	SW	30
29/05/2008	11:00 PM	27.1	27.4	27.1	1.7	2.2	SWW	30
29/05/2008	11:30 PM	27.2	27.5	26.9	0.6	2.5	SWS	30
30/05/2008	12:00 AM	26.8	27.2	26.7	1.1	3.3	SWS	30
30/05/2008	12:30 AM	26.7	26.7	26.6	1.5	1.8	SWW	30
30/05/2008	1:00 AM	26.6	26.9	26.4	1.2	1.9	SWS	30
30/05/2008	1:30 AM	26.7	27.0	26.6	2.1	3.9	SWS	30
30/05/2008	2:00 AM	26.7	26.9	26.7	1.6	2.8	SWW	30
30/05/2008	2:30 AM	26.6	26.8	26.4	1.1	3.1	SWS	30
30/05/2008	3:00 AM	26.6	26.6	26.4	1.9	3.5	SWS	30
30/05/2008	3:30 AM	26.7	27.0	26.5	1.0	1.6	SWS	30
30/05/2008	4:00 AM	26.7	26.8	26.5	1.0	2.0	SW	30
30/05/2008	4:30 AM	26.6	26.7	26.3	0.5	0.7	SWS	30
30/05/2008	5:00 AM	26.7	27.0	26.6	0.5	2.1	SWS	30
30/05/2008	5:30 AM	26.5	26.7	26.4	1.1	2.9	SWS	30
30/05/2008	6:00 AM	26.5	26.8	26.5	1.0	1.4	SWS	30
30/05/2008	6:30 AM	26.6	26.9	26.5	1.1	2.6	SWS	30
30/05/2008	7:00 AM	26.8	27.2	26.5	2.0	2.9	SWS	30
30/05/2008	7:30 AM	27.2	27.6	27.2	0.9	2.5	SWS	30
30/05/2008	8:00 AM	26.9	27.0	26.6	1.4	3.6	S	30
30/05/2008	8:30 AM	27.1	27.4	27.0	1.5	3.2	SWS	30
30/05/2008	9:00 AM	27.1	27.1	27.0	1.1	2.5	SWS	30
30/05/2008	9:30 AM	27.1	27.3	27.0	1.4	3.3	NWW	30
30/05/2008	10:00 AM	25.6	25.8	25.5	2.5	2.5	NWW	30
30/05/2008	10:30 AM	25.3	25.5	25.3	0.9	1.9	NW	30
30/05/2008	11:00 AM	25.6	25.7	25.4	0.5	2.2	NW	30
30/05/2008	11:30 AM	25.3	25.6	25.1	0.6	1.8	NEN	30
30/05/2008	12:00 PM	25.5	25.5	25.5	0.1	0.1	SES	30
30/05/2008	12:30 PM	25.6	26.0	25.5	2.1	4.2	NEE	30
30/05/2008	1:00 PM	25.1	25.1	24.9	1.6	2.8	NEE	30
30/05/2008	1:30 PM	25.1	25.5	24.9	1.3	3.4	NEN	30
30/05/2008	2:00 PM	25.0	25.0	24.8	1.7	3.0	NEN	30
30/05/2008	2:30 PM	25.1	25.1	25.0	1.1	2.0	NEE	30
30/05/2008	3:00 PM	25.1	25.5	24.9	1.7	2.3	NEE	30
30/05/2008	3:30 PM	25.5	25.7	25.2	1.5	3.5	SES	30
30/05/2008	4:00 PM	25.7	26.0	25.6	0.2	0.2	SES	30
30/05/2008	4:30 PM	25.4	25.7	25.4	0.7	3.0	SWS	30
30/05/2008	5:00 PM	25.5	25.8	25.4	0.4	0.5	SWS	30
30/05/2008	5:30 PM	25.5	25.6	25.2	0.6	1.2	SWS	30
30/05/2008	6:00 PM	25.2	25.3	25.2	0.4	2.3	SWS	30
30/05/2008	6:30 PM	25.1	25.1	24.8	0.6	2.1	NEE	30
30/05/2008	7:00 PM	25.0	25.3	24.7	1.0	1.0	E	30
30/05/2008	7:30 PM	25.0	25.0	24.8	0.2	1.0	NWW	30
30/05/2008	8:00 PM	25.0	25.0	24.7	0.1	0.2	NWW	30
30/05/2008	8:30 PM	24.9	25.0	24.6	1.2	2.7	NEE	30
30/05/2008	9:00 PM	24.8	24.9	24.5	0.5	2.2	SWS	30
30/05/2008	9:30 PM	24.6	24.9	24.5	0.2	0.6	NWW	30
30/05/2008	10:00 PM	24.5	24.6	24.4	1.0	1.3	SWS	30
30/05/2008	10:30 PM	24.4	24.6	24.3	0.1	1.7	NWW	30
30/05/2008	11:00 PM	24.3	24.7	24.1	1.5	3.6	NWW	30
30/05/2008	11:30 PM	24.3	24.3	24.1	0.1	2.2	SWS	30

Weather information in May 2008

Date (DMY)	Time	Average Temp	Hi Temp	Low Temp	Wind Speed (m/s)		Wind Direction	Period (Min)
					Average	Hi		
31/05/2008	12:00 AM	24.5	24.9	24.3	0.2	1.8	SWW	30
31/05/2008	12:30 AM	24.4	24.6	24.2	1.0	2.1	NWW	30
31/05/2008	1:00 AM	24.4	24.8	24.3	0.4	0.9	NEN	30
31/05/2008	1:30 AM	24.3	24.5	24.2	0.1	1.0	SWW	30
31/05/2008	2:00 AM	24.2	24.3	24.1	0.1	2.0	SWS	30
31/05/2008	2:30 AM	24.2	24.2	24.1	0.1	0.2	N	30
31/05/2008	3:00 AM	24.2	24.5	24.2	0.7	2.8	NEN	30
31/05/2008	3:30 AM	24.3	24.7	24.2	0.2	0.5	SE	30
31/05/2008	4:00 AM	24.5	24.8	24.4	0.1	0.7	N	30
31/05/2008	4:30 AM	24.4	24.7	24.4	0.1	1.2	N	30
31/05/2008	5:00 AM	24.5	24.6	24.4	0.1	2.3	N	30
31/05/2008	5:30 AM	24.4	24.4	24.4	0.1	0.4	NWW	30
31/05/2008	6:00 AM	24.4	24.5	24.3	0.1	0.2	SWW	30
31/05/2008	6:30 AM	24.5	24.6	24.3	0.3	1.6	N	30
31/05/2008	7:00 AM	24.7	24.9	24.5	0.1	0.9	NEE	30
31/05/2008	7:30 AM	25.2	25.5	25.1	0.1	1.7	N	30
31/05/2008	8:00 AM	25.2	25.3	25.1	0.1	0.4	SES	30
31/05/2008	8:30 AM	25.7	25.8	25.5	0.2	1.5	SEE	30
31/05/2008	9:00 AM	26.0	26.2	25.9	0.4	1.8	SES	30
31/05/2008	9:30 AM	25.9	26.1	25.6	0.5	0.6	SES	30
31/05/2008	10:00 AM	25.6	25.6	25.4	0.6	2.2	SES	30
31/05/2008	10:30 AM	25.4	25.6	25.1	0.4	2.7	SE	30
31/05/2008	11:00 AM	25.5	25.5	25.3	0.9	1.9	SE	30
31/05/2008	11:30 AM	25.0	25.0	25.0	0.4	1.7	SE	30
31/05/2008	12:00 PM	24.9	25.0	24.7	1.2	1.9	SWS	30
31/05/2008	12:30 PM	25.1	25.2	25.0	1.3	1.3	SW	30
31/05/2008	1:00 PM	24.8	25.1	24.7	0.5	1.6	NW	30
31/05/2008	1:30 PM	24.6	24.7	24.4	1.3	3.0	NW	30
31/05/2008	2:00 PM	24.5	24.7	24.3	1.0	2.9	N	30
31/05/2008	2:30 PM	24.2	24.2	24.0	0.8	2.0	NE	30
31/05/2008	3:00 PM	24.3	24.4	24.2	0.6	2.6	NE	30
31/05/2008	3:30 PM	24.4	24.7	24.1	0.5	0.7	NWN	30
31/05/2008	4:00 PM	24.3	24.5	24.3	0.5	1.3	NE	30
31/05/2008	4:30 PM	24.2	24.3	24.0	0.9	2.4	NE	30
31/05/2008	5:00 PM	24.1	24.4	24.0	0.3	1.0	NE	30
31/05/2008	5:30 PM	24.3	24.5	24.1	0.8	2.8	NE	30
31/05/2008	6:00 PM	24.5	24.6	24.4	1.0	2.1	NEN	30
31/05/2008	6:30 PM	24.5	24.6	24.2	1.1	1.5	NEN	30
31/05/2008	7:00 PM	25.0	25.2	24.8	0.8	2.3	NEN	30
31/05/2008	7:30 PM	25.3	25.4	25.1	1.0	2.7	N	30
31/05/2008	8:00 PM	25.3	25.3	25.2	1.7	3.1	NWN	30
31/05/2008	8:30 PM	25.8	25.8	25.7	0.8	1.7	N	30
31/05/2008	9:00 PM	25.9	26.0	25.8	0.7	1.4	N	30
31/05/2008	9:30 PM	26.3	26.4	26.2	0.8	3.0	NEE	30
31/05/2008	10:00 PM	26.7	26.9	26.4	0.3	1.4	NEN	30
31/05/2008	10:30 PM	26.8	27.0	26.6	0.5	1.9	NEN	30
31/05/2008	11:00 PM	26.7	26.7	26.5	0.6	1.9	NE	30
31/05/2008	11:30 PM	26.9	27.1	26.6	0.8	2.8	NEN	30

Appendix F

Event-Action Plans

EVENT	EVENT/ACTION PLAN FOR AIR QUALITY EXCEEDANCE			
	ACTION			
	ET Leader	IC(E)	ER	Contractor
	ACTION LEVEL			
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures 2. Inform ER, IC(E) and Contractor 3. Repeat measurement to confirm finding 4. Increase monitoring frequency to daily	1. Check monitoring data submitted by the ET 2. Check contractor's working method	1. Notify Contractor	1. Rectify any unacceptable practise 2. Amend working methods if appropriate
2. Exceedance for two or more consecutive samples	1. Identify source, investigate the causes of exceedance and propose remedial measures 2. Inform IC(E) and Contractor 3. Repeat measurements to confirm finding 4. Increase monitoring frequency to daily 5. Discuss with IC(E) and Contractor on remedial actions 6. If exceedance continues, arrange meeting with IC(E) and ER. 7. If exceedance stops, cease additional monitoring	1. Check monitoring data submitted by the ET Leader 2. Check the Contractor's working method 3. Discuss with ET and Contractor on possible remedial measures 4. Advise the ER on the effectiveness of the proposed remedial measures 5. Supervise implementation of remedial measures	1. Confirm receipt of notification of failure in writing 2. Notify the Contractor 3. Ensure remedial measures properly implemented	1. Submit proposals for remedial actions to IC(E) within 3 working days of notification 2. Implement the agreed proposals 3. Amend proposal if appropriate
	LIMIT LEVEL			
1. Exceedance for one sample	1. Identify source, investigate the causes of exceedance and propose remedial measures 2. Inform ER, Contractor and EPD 3. Repeat measurement to confirm finding 4. Increase monitoring frequency to daily 5. Assess the effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER informed of the results	1. Check monitoring data submitted by the ET Leader 2. Check Contractor's working method 3. Discuss with ET and Contractor on possible remedial measures 4. Advise the ER on the effectiveness of the proposed remedial measures 5. Supervise implementation of remedial measures	1. Confirm receipt of notification of failure in writing 2. Notify the Contractor 3. Ensure remedial measures properly implemented	1. Take immediate action to avoid further exceedance 2. Submit proposals for remedial actions to IC(E) within 3 working days of notification 3. Implement the agreed proposals 4. Amend proposal if appropriate.

EVENT	EVENT/ACTION PLAN FOR AIR QUALITY EXCEEDANCE			
	ACTION			
	ET Leader	IC(E)	ER	Contractor
2. Exceedance for two or more consecutive samples	1. Identify source, investigate the causes of exceedance and propose remedial measures 2. Notify IC(E), ER, EPD and Contractor 3. Repeat measurement to confirm finding 4. Increase monitoring frequency to daily 5. Carry out analysis of contractor's working procedures to determine possible mitigation to be implemented 6. Arrange meeting with IC(E) and ER to discuss the remedial actions to be taken 7. Assess effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER informed of the results 8. If exceedance stops, cease additional monitoring	1. Discuss amongst ER, ET and Contractor on the potential remedial actions 2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly 3. Supervise the implementation of remedial measures	1. Confirm receipt of notification of failure in writing 2. Notify Contractor 3. In consultation with the IC(E), agree with the Contractor on the remedial measures to be implemented 4. Ensure remedial measures are properly implemented 5. If exceedances continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated	1. Take immediate action to avoid further exceedances 2. Submit proposals for remedial actions to IC(E) within 3 working days of notification 3. Implement the agreed proposals 4. Resubmit proposals if problem still not under control 5. Stop the relevant activity of works as determined by the ER until the exceedance is abated

EVENT	EVENT/ACTION PLAN FOR NOISE EXCEEDANCE			
	ACTION			
	ET Leader	IC(E)	ER	Contractor
Action Level	1. Notify the IC(E) and the Contractor. 2. Carry out investigation. 3. Report the results of investigation to the IC(E) and the Contractor. 4. Discuss with the Contractor and formulate remedial measures. 5. Increase monitoring frequency to check mitigation effectiveness	1. Review the analysed results submitted by the ET. 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly. 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing. 2. Notify the Contractor. 3. Require the Contractor to propose remedial measures for the analysed noise problem. 4. Ensure remedial measures are properly implemented.	1. Submit noise mitigation proposals to IC(E). 2. Implement noise mitigation proposals.
Limit Level	1. Notify the IC(E), the ER, the EPD and the Contractor. 2. Identify source. 3. Repeat measurement to confirm findings. 4. Increase monitoring frequency. 5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented. 6. Inform the IC(E), the ER and the EPD the causes & actions taken for the exceedances. 7. Assess effectiveness of Contractor's remedial actions and keep the IC(E), the EPD and the ER informed of the results 8. If exceedance due to the construction works stops, cease additional monitoring	1. Discuss amongst the ER, the ET Leader and the Contractor on the potential remedial actions. 2. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly. 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing. 2. Notify the Contractor. 3. Require the Contractor to propose remedial measures for the analysed noise problem. 4. Ensure remedial measures are properly implemented. 5. If exceedances continue, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedances is abated.	1. Take immediate action to avoid further exceedance 2. Submit proposals for remedial actions to IC(E) within 3 working days of notification. 3. Implement the agreed proposals. 4. Resubmit proposals if problem still not under control. 5. Stop the relevant activity of works as determined by the ER until the exceedances is abated.

Event	EVENT AND ACTION PLAN FOR WATER QUALITY EXCEEDANCE			
	ACTION			
	ET Leader	Contractor	ER	IEC
Action level being exceeded by one sampling day	1. Identify source(s) of impact; 2. Repeat in-situ measurement to confirm findings; 3. Notify Contractor in writing within 24 hours of identification of the exceedance 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Carry out investigation 6. Report the results of investigation to the Contractor within 3 working days of identification of exceedance and advise contractor if exceedance is due to contractor's construction works 7. Discuss mitigation measures with Contractor if exceedance is due to the construction works within 4 working days 8. Repeat measurement on next day of exceedance if exceedance is due to the construction works	1. Notify the ER and IEC in writing within 24 hours of identification of exceedance 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Submit investigation report to IEC and ER within 3 working days of the identification of an exceedance 5. Consider changes of working method if exceedance is due to the construction works 6. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER if exceedance is due to the construction works within 4 working days of identification of an exceedance 7. Implement the agreed mitigation measures within reasonable time scale	1. Notify EPD and other relevant governmental agencies in writing within 24 hours of the identification of the exceedance 2. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 3. Require contractor to propose remedial measures for the analysed problem if related to the construction works 4. Ensure remedial measures are properly implemented 5. Assess the effectiveness of the mitigation measure	1. Check monitoring data submitted by ET 2. Confirm ET assessment if exceedance is due / not due to the works 3. Discuss with ET, ER and Contractor on the mitigation measures 4. Review contractor's mitigation measures whenever necessary to ensure their effectiveness and advise the ER accordingly 5. Supervise the implementation of mitigation measures

Event	EVENT AND ACTION PLAN FOR WATER QUALITY			
	ACTION			
	ET Leader	Contractor	ER	IEC
Action level being exceeded by more than one consecutive sampling days	1. Identify source(s) of impact; 2. Repeat in-situ measurement to confirm findings 3. Notify Contractor in writing within 24 hours of identification 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Carry out investigation 6. Report the results of investigation to the Contractor within 3 working days of identification of exceedance and advise contractor if exceedance is due to contractor's construction works 7. Discuss mitigation measures with IEC and Contractor within 4 working of identification of an exceedance 8. Ensure mitigation measures are implemented; 9. Prepare to increase the monitoring frequency to daily; 10. Repeat measurement on next day of exceedance.	1. Notify IEC and ER in writing within 24 hours of identification of exceedance 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Submit the results of the investigation to IEC and ER within 3 working days of the identification of an exceedance 6. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 4 working days of identification of an exceedance 7. Implement the agreed mitigation measures within reasonable time scale	1. Notify EPD and other relevant governmental agencies in writing within 24 hours of the identification of the exceedance 2. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 3. Require contractor to propose remedial measures for the analysed problem if related to the construction works 4. Ensure remedial measures are properly implemented 5. Assess the effectiveness of the mitigation measure	1. Check monitoring data submitted by ET 2. Confirm ET assessment if exceedance is due / not due to the works 3. Discuss with ET, ER and Contractor on the mitigation measures. 4. Review contractor's mitigation measures whenever necessary to ensure their effectiveness and advise the ER accordingly 5. Assess the effectiveness of the implemented mitigation measures.

Event	EVENT AND ACTION PLAN FOR WATER QUALITY EXCEEDANCE			
	ACTION			
	ET Leader	Contractor	ER	IEC
Limit level being exceeded by one sampling day	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Notify Contractor in writing within 24 hours of identification of the exceedance 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Carry out investigation 6. Report the results of investigation to the Contractor within 3 working days of identification of exceedance and advise contractor if exceedance is due to contractor's construction works 7. Discuss mitigation measures with IEC, ER and Contractor within 4 working of identification of an exceedance 8. Ensure mitigation measures are implemented; 9. Increase the monitoring frequency to daily until no exceedance of Limit Level.	1. Notify IEC and ER in writing; within 24 hours of the identification of the exceedance 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 5. Submit the results of the investigation to IEC and ER within 3 working days of the identification of an exceedance 6. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 4 working days of the identification of an exceedance 7. Implement the agreed mitigation measures within reasonable time scale	1. Notify EPD and other relevant governmental agencies in writing within 24 hours of identification of exceedance 2. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 3. Request Contractor to critically review the working methods; 4. Ensure remedial measures are properly implemented 5. Assess the effectiveness of the implemented mitigation measures.	1. Check monitoring data submitted by ET 2. Confirm ET assessment if exceedance is due / not due to the works 3. Discuss with ET, ER and Contractor on the mitigation measures. 4. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly. 5. Assess the effectiveness of the implemented mitigation measures

Event	EVENT AND ACTION PLAN FOR WATER QUALITY EXCEEDANCE			
	ACTION			
	ET Leader	Contractor	ER	IEC
Limit Level being exceeded by more than one consecutive sampling days	1. Repeat in-situ measurement to confirm findings; 2. Identify source(s) of impact; 3. Notify Contractor in writing within 24 hours of identification of the exceedance 4. Check monitoring data, all plant, equipment and Contractor's working methods; 5. Carry out investigation 6. Report the results of investigation to the Contractor within 3 working days of identification of exceedance and advise contractor if exceedance is due to contractor's construction works 7. Discuss mitigation measures with IEC, ER and Contractor; 8. Ensure mitigation measures are implemented; 9. Increase the monitoring frequency to daily until no exceedance of Limit Level for two consecutive days.	1. Notify ER and IEC in writing within 24 hours of the identification of the exceedance and 2. Rectify unacceptable practice; 3. Check all plant and equipment; 4. Consider changes of working methods; 8. Submit the results of the investigation to IEC and ER within 3 working days of the identification of an exceedance 5. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 4 working days; 6. Implement the agreed mitigation measures within reasonable time scale 7. As directed by the Engineer, to slow down or to stop all or part of the marine work or construction actives.	1. Notify EPD and other relevant governmental agencies in writing within 24 hours of identification of exceedance 2. Discuss with IEC, ET and Contractor on the proposed mitigation measures; 3. Request Contractor to critically review the working methods; 6. Ensure remedial measures are properly implemented 4. Assess the effectiveness of the implemented mitigation measures; 5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit Level.	1. Check monitoring data submitted by ET 2. Confirm ET assessment if exceedance is due / not due to the works 3. Discuss with ER, ET and Contractor on the mitigation measures. 4. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly. 5. Assess the effectiveness of the implemented mitigation measures.

Appendix G

Construction Programme

Project Activities at TKO Area 137 (From May to July 2008)

Activity ID	Activity description	Original duration	Remaining duration	Percent complete	Early start	Early finish
EOA1A200	A1a Servicing 24mths	731	222	70	16/11/06A	30/11/2008
EOA1A400	Measurement System O&M for A1a 104wks	728	219	70	01/12/06A	27/11/2008
EOA1D200	A1b Servicing 22mths stg 2	670	222	67	01/02/07A	30/11/2008
EOA1E200	A1e Servicing 22mths	580	222	62	21/04/07A	30/11/2008
EOA1E400	Measurement System O&M for A1e 94wks	580	210	64	21/04/07A	18/11/2008
HK021000	Maintenance of RealTime Tracking (56wks)	392	134	66	03/07/07A	03/09/2008
HK030200	Sorting of Stockpiled Public Fill	731	222	70	01/12/06A	30/11/2008
HK030300	Removal of Stockpiled Public Fill (contractor's)	731	222	70	01/12/06A	30/11/2008
HK030400	Removal of Sotckpiled Public Fill (Others)	731	222	70	01/12/06A	30/11/2008
HK030500	Disposal of Unsuitable Material	731	222	70	01/12/06A	30/11/2008
HK030600	Compaction of Public Fill	731	222	70	01/12/06A	30/11/2008
HK110200	TKO Tipping Halls Operation 260nr-wks	731	222	70	10/12/06A	30/11/2008
RHA20200	Record House A2 Servicing 24mths	731	222	70	01/12/06A	30/11/2008
RHA40200	Record House A4 Servicing 21mths	639	180	72	01/03/07A	19/10/2008
SOA10200	RE Principal Office Servicing (A1) 23mths	700	272	61	01/02/07A	19/01/2009
TACA0200	Servicing 24mths	731	222	70	01/12/06A	30/11/2008
TS018100	Design of RealTime Tracking/Monitor Approval	0	0	0		22/04/2008

Appendix H

IEC's Site Audit Records