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TEST REPORT

CONCENTRIC CONSTRUCTION LIMITED

**OPERATION OF PUBLIC FILL RECEPTION
FACILITIES AT TUEN MUN AREA 38,
TSEUNG KWAN O AREA 137, QUARRY BAY
AND MUI WO**

(CONTRACT NO.: CV/2006/02)

TSEUNG KWAN O AREA 137

**MONTHLY EM&A REPORT
(OCTOBER 2006)**

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BMT Asia Pacific Limited

07 December, 2006

Our Ref: 8116/3230

By Post

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For the attention of Mr. Stephen Choi

Dear Sir

**Contract No. CV/2006/02
Fill Bank at Tseung Kwan O Area 137
Monthly EM&A Report**

Following review of the Monthly EM&A Report No. 2 for the reporting period October 2006, the IEC has verified the information presented.

Should you have any queries regarding the above, please do not hesitate to contact the undersigned.

Yours sincerely
BMT Asia Pacific Limited

**Ben Ridley
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EXECUTIVE SUMMARY

This is the first monthly Environmental Monitoring and Audit (EM&A) report prepared by ETS-Testconsult Ltd (ET) for the "Contract No. CV/2006/02 Operation of Public Fill Reception Facilities at Tuen Mun Area 38, Tseung Kwan O Area 137, Quarry Bay and Mui Wo" (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 October 2006.

Construction Progress

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

- Manage the incoming public fill dump trucks arriving through land access;
- Transport temporary stockpiled public fill from the Barge Handling Area (BHA) to Stockpile Areas or the Sorting Facility for Penny's Bay Reclamation Stage 2 (PBR2);
- Transport stockpile public fill from Stockpile Areas to the Sorting Facility for Penny's Bay Reclamation Stage 2 (PBR2);
- Direct some incoming public fill dump trucks to the Sorting Facility for Penny's Bay Reclamation Stage 2 (PBR2) for unloading;
- Routine site cleaning and maintenance of internal haul roads and access roads;
- Routine implementation of environmental mitigation measures such as dust suppression by water spraying, cleaning of nearby public roads by using road sweeper and collection of floating debris inside a berthing basin within the site boundary; and
- Construction of a pair of temporary working platforms nearby the main site entrance to allow incoming public dump truck drivers' usage to facilitate their uncovering of tarpaulin sheets on top of the truck containment bins.

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: 5 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:

<u>Concerned Parties</u>	<u>Dates of Audit / Inspection</u>
ET Weekly site inspection	03, 09, 20, 26
IEC site inspection	26

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 panel at Portion A, B, G, H and I was satisfactory in this reporting month. The Contractor should properly maintain the hydroseeded panels.

Environmental Complaints, Notification of summons and successful prosecutions

One complaint of heavy dust emission has documented, no notification of summons and prosecutions with respect to environmental issues were received in this monitoring month.

Permits and Licenses

An Amended Environmental Permit (No.: EP-134/2002/F) (the EP) was granted to the Project by EPD on 26 January 2006. Effluent discharge licence (Ref. No.: TE/D1152/839/1) for the site toilet and shower room issued on 06 June 2003 obtained from the previous contract continued to be valid in this Project. Chemical Waste Producer Licence (WPN No.: 5213-839-P2800-23) was also valid from 04 August 2005.

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

Concentric Construction Ltd (CCL) appointed Environmental Team (ET) of ETS-Testconsult Limited (ETL) to undertake the Environmental Monitoring and Audit (EM&A) for the "Operation of Public Fill Reception Facilities at Tuen Mun Area 38, Tseung Kwan O Area 137, Quarry Bay and Mui Wo" (Contract No.: CV/2006/02) (The Project).

In accordance with the Amended 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 October 2006.

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 m³ 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. H C TANG	Engineer	2762 5602	2714 0113
IEC (BMT)	Mr Ben Ridley	IEC	2815 2221	2815 3377
Contractor (CCL)	Mr. C P Lam	Project Manager	2398 8001 9212 9417	2398 8301
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:

- Manage the incoming public fill dump trucks arriving through land access;
- Transport temporary stockpiled public fill from the Barge Handling Area (BHA) to Stockpile Areas or the Sorting Facility for Penny's Bay Reclamation Stage 2 (PBR2);
- Transport stockpile public fill from Stockpile Areas to the Sorting Facility for Penny's Bay Reclamation Stage 2 (PBR2);
- Direct some incoming public fill dump trucks to the Sorting Facility for Penny's Bay Reclamation Stage 2 (PBR2) for unloading;
- Routine site cleaning and maintenance of internal haul roads and access roads;
- Routine implementation of environmental mitigation measures such as dust suppression by water spraying, cleaning of nearby public roads by using road sweeper and collection of floating debris inside a berthing basin within the site boundary; and
- Construction of a pair of temporary working platforms nearby the main site entrance to allow incoming public dump truck drivers' usage to facilitate their uncovering of tarpaulin sheet on top of the truck containment bins.

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 portable dust meter are attached in Appendix B1.

Table 4.1 Air Quality Monitoring Equipment

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

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

<i>Parameter</i>	<i>Duration</i>	<i>Frequency</i>
<i>24-hr TSP</i>	<i>24 hr</i>	<i>Once every six days</i>
<i>1-hr TSP</i>	<i>1 hr</i>	<i>Three times per day every six days</i>

4.4 Monitoring Locations and Schedule

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

Table 4.3 Air quality monitoring locations

<i>Monitoring station</i>	<i>Location</i>
<i>AA1</i>	<i>Outside CEDD Site Office</i>
<i>AA2</i>	<i>Site Egress</i>

During the reporting month, 1-hr and 24-hr TSP monitoring were carried out as the schedule. The details for 24-hr and 1-hr TSP monitoring carried out in this reporting month are summarized in table 4.4.

Table 4.4 Monitoring Schedule for the air quality monitoring stations

Air quality monitoring stations	Location	Monitoring Period														
		24-hr TSP				1-hr TSP										
		Start		Finish		Date	Start	Finish								
		Date	Time	Date	Time											
10:45AA1	Outside CEDD Site Office						03/10/06	08:30	09:30							
													11:00	12:00		
													13:00	14:00		
							09/10/06						08:30	09:30		
													09:45	10:45		
													11:00	12:00		
							14/10/06						08:00	09:00		
													11:00	12:00		
													13:00	14:00		
							20/10/06						08:30	09:30		
													11:00	12:00		
													13:00	14:00		
26/10/06						08:30	09:30									
						09:45	10:45									
						11:00	12:00									
AA2	Site Egress						03/10/06	08:30	09:30							
													11:00	12:00		
													13:00	14:00		
							09/10/06						08:30	09:30		
													09:45	10:45		
													11:00	12:00		
							14/10/06						08:10	09:10		
													11:10	12:10		
													13:10	14:10		
							20/10/06						08:30	09:30		
													11:00	12:00		
													13:00	14:00		
26/10/06						08:30	09:30									
						09:45	10:45									
						11:00	12:00									
AA1	Outside CEDD Site Office						03/10/06	15:30	04/10/06	15:31						
													09/10/06	13:00	10/10/06	13:04
													14/10/06	14:30	15/10/06	14:40
													20/10/06	14:30	21/10/06	14:40
													26/10/06	13:00	27/10/06	13:04
AA2	Site Egress						03/10/06	15:30	04/10/06	15:32						
													09/10/06	13:00	10/10/06	13:05
													14/10/06	14:40	10/10/06	15:01
													20/10/06	14:30	21/10/06	14:40
													26/10/06	13:00	27/10/06	13:01

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 0.6m³/min and 1.7m³/min.) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50.

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

Table 4.5 Action and Limit Levels for 24-hr TSP and 1-hr TSP

Monitoring Location	24-hr TSP (µg/m ³)		1-hr TSP (µg/m ³)	
	Action Level *	Limit Level *	Action Level *	Limit Level *
AA1	210	260	376	500
AA2	210	260	376	500

* Traceable to Method Statement (Environmental Monitoring and Audit Manual) of Contract No.CV/2002/08, Rev. 2

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

All monitoring data of both 1-hour and 24-hour TSP monitoring is provided 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 4.6 summarizes 1-hr TSP and 24-hr TSP monitoring results.

Table 4.6 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 ($\mu\text{g}/\text{m}^3$)	Exceedance #	Date	Start Time	Result ($\mu\text{g}/\text{m}^3$)	Exceedance #
AA1	Outside CEDD Site Office	03/10/06	119	X	03/10/06	08:30	185	X
						11:00	323	
						13:00	266	
		09/10/06	170	X	09/10/06	08:30	205	X
						09:45	305	
						11:00	355	
		14/10/06	175	X	14/10/06	08:00	264	X
						11:00	370	
						13:00	345	
		20/10/06	172	X	20/10/06	08:30	280	X
						11:00	366	
						13:00	341	
26/10/06	195	X	26/10/06	08:30	274	X		
				09:45	332			
				11:00	371			
A2	Site Egress	03/10/06	145	X	03/10/06	08:30	219	X
						11:00	308	
						13:00	285	
		09/10/06	158	X	09/10/06	08:30	257	X
						09:45	296	
						11:00	347	
		14/10/06	162	X	14/10/06	08:10	232	X
						11:10	347	
						13:10	336	
		20/10/06	169	X	20/10/06	08:30	252	X
						11:00	359	
						13:00	327	
26/10/06	176	X	26/10/06	08:30	293	X		
				09:45	308			
				11:00	350			

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. Daily water-spraying consumed 3 water lorries to process totally 24 trips around the site which Besides the Fill Bank operation, 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 (L_x). 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 and Period

Noise monitoring was conducted at the noise monitoring location, N1 as shown in Figure 3.1 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
N1	Outside site Egress along Wan Po Road	Façade

The noise-monitoring period of monitoring station is summarized in Table 5.4.

Table 5.4 Monitoring Period for noise monitoring stations

Noise monitoring stations	Monitoring Period	
	Day-time	
N1	03/10/06	10:15

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 : 5 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 5.5.

Table 5.5 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)

*Traceable to Method Statement (Environmental Monitoring and Audit Manual) of Contract No. CV/2002/08, Rev. 2

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, N1 in this reporting month. Noise level 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 5.6.

Table 5.6 Summary of Impact Noise Level

Date	Start Sampling Time (hh:mm)	Noise Level dB (A)		
		$L_{eq(30min)}$	L_{10}	L_{90}
03/10/06	10:15	70.5	77.2	63.8

No Day-time noise monitoring result at monitoring station N1 exceeded the Action Level since no documented complaints on noise issue were received in this reporting month. 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 4.1 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 Location of Marine Water Monitoring Stations

Station Description	Code	HK Metric Grid E	HK Metric Grid N
Control Station (Ebb tide)	C1	844 740.208	815 371.502
Monitoring Station, Tung Lung Chau Fish Culture Zone	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 (°C)	
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 The monitoring frequency of the marine water

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

6.5 Monitoring Methodology and Equipment Used

For Location of the monitoring stations

Global Positioning 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-foot cable. Wet bulb calibration for a DO meter was carried out before measurement at each monitoring location

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 method based on APHA 19 th 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 measurement at each monitoring location.

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%.

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	22-08-2006	21-11-2006	EW/003/001*
Turbidity	HACH Model 2100P Turbid Meter	28-07-2006	28-10-2006	ET/0505/002
Salinity	YSI Model 30M	28-07-2006	28-10-2006	ET/0527/001
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)	<u>Surface & Middle</u> <5.45 mg/L (5%-ile of baseline data) <u>Bottom</u> <4.72 mg/L (5%-ile of baseline data)	<u>Surface & Middle</u> <5.10 mg/L (1%-ile of baseline data) <u>Bottom</u> <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

* Traceable to Method Statement (Marine Water Quality Monitoring and Audit Manual) of Contract No.CV/2002/08, Rev. 2, Section 3.1 – 3.21



6.7 Event and Action Plan

Please refer to the Appendix F for details.

6.8 Monitoring Duration and Period in this reporting month

Water quality monitoring on 13 September 2006 was cancelled due to bad weather (Standby Signal No. 3, Red Rainstorm Warning Signal and Thunderstorm Warning Signal). Below is the time schedule for the water quality monitoring events that were conducted in this reporting month:

Table 6.7 Time Schedule of Water Quality Monitoring

October 2006						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2 ▼	3	4 ▼	5	6 ▼	7
8	9 ▼	10	11 ▼	12	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 and (◆) = Marine water quality monitoring was cancelled due to bad weather.

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 Marine Water Quality Exceedances in this reporting month

Station	Exceedance Level	DO		Turbidity		SS		Total	
		Flood	Ebb	Flood	Ebb	Flood	Ebb	Flood	Ebb
C1	Action	0	0	0	0	0	0	0	0
	Limit	0	0	0	0	0	0	0	0
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 total of four independent site audits of the Contract CV 2006/02 site (Fill Bank at TKO Area 137) and the Contract CV 2004/13 site (Temporary C&DMSF at TKO Area 137).

7.1.2 Findings of the site audits 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 Site Audits in October 2006

Date of Audit	Work Period	Site Audit Checklist Submitted Under IEC's Ref No.
26 October 2006	Operations of Fill Bank	8116/2994

- 7.1.3 The major findings recorded during the site audits 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 Site Audits in October 2006 for Contract No. CV/2006/02

Date	Key Findings	Action Taken by the Contractor
26 Oct 06	<ul style="list-style-type: none"> • Dust control/mitigation measures for site were not enough • Installed air pollution control devices and measures were not implemented in accordance with their design merits • Water lorries/road sweepers were used but frequency needed to be reviewed in light of dry weather conditions • Water spraying activity was not observed in Portion 1 where C&D material was being disturbed for transport to PBR11 site • Improvement of existing/realigned channels condition was needed due to growing lump of vegetation and mud had spotted along the bottom and the banks of the surface channel upstream of DP4 by SENT Landfill discharge point) • Some oil film had noted on the surface of the wastewater which accumulated around the bottom drainage hole at the side of the Oil & Grease collection drum by CEDD site office • Several oil spills lied on ground was noted near water filling station due to vehicle maintenance • Silt curtain was not lying in proper location at the time of audit 	<ul style="list-style-type: none"> • (refer to footnote 1)

Note

1. The contractor was requested and reminded to provide the IEC's site inspection corrective action form within one week of the issuance. However, as at the issue of this report, no response to the corrective action form from the Contractor was received.

- 7.1.4 Following from the previous reporting period, there were again no air quality exceedances recorded during this reporting period. Based on observations recorded during site inspections and site supervision events, the Contractor has implemented most of their dust prevention measures during the reporting period. However, the CV/2006/02 Contractor was still reminded to ensure that all dust mitigation measures, particularly those near the site entrance, were operated according to their design merits to ensure that fugitive dust impacts to neighbourhood land users to minimal.
- 7.1.5 The frequency of road / platform watering was considered to be acceptable in the reporting period. Nevertheless, the Contractor has been reminded to regularly review the frequency of road watering in light of the sunny and dry weather conditions.
- 7.1.6 The Contractor was reminded to regularly clear the muds, grasses and debris along all the trapezoidal channels and chambers.
- 7.1.7 The Contractor was also reminded to repair/re-provide the silt curtain and maintain the separation of 80 m between two sides in accordance with CEDD's drawing FM10035-16. In addition, the silt curtain should be properly secured to weights at the seabed bottom.

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, five weekly site inspections were conducted (03, 09, 20 and 26 October 2006). After each site inspection, the Contractor was notified of the ET's observations and recommendations. A follow-up action plan detailing the environmental observations had also been prepared by the ET. The Contractor then completed this plan to propose / report their remedial works. The Contractor should also submit completed follow-up action report to ET by e-mail. This follow-up action plan submission procedure was adopted for each subsequent ET's inspection to notify all the relevant parties of the Contractor's follow up actions. The weekly site inspection reports 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;
- A road sweeper was used to remove settled dust particulates outside the site egress on Wan Po Road;
- 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 Combined Reception Office;
- No potential fugitive dust from vehicle movement was observed in this reporting month. The Contractor was still reminded to water the haul road more frequently during dry season;
- 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;
- No dark smoke emission was noted from the site machine and equipment in this reporting month. The Contractor was still reminded to maintain all the Powered Mechanical Equipment (PME) regularly; 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

- Debris and mud were observed to have accumulated at the drainage channel at Channel DP4 during the several ET weekly site inspections in this reporting month. The Contractor should clean up the drainage channel regularly. Since the finding was still observed during the last weekly site inspection in this reporting month, the finding will be verified in the coming month;
- No stagnant water was observed being accumulated at site area in this reporting month. The contractor was still reminded to drain the stagnant water out or use pesticide to prevent mosquito breeding especially after the rain; and
- The Contractor should clean up the fill materials accumulated on the concrete embankment at the BHA as soon as each unloading activity is completed to avoid the fill materials from being washed into the sea.

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, 26.06 tons C&D waste were disposed to SENT Landfill and no waste oil 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;
- Oil drips from plant has observed at water trade filling station since 20 October 2006. Situation has not been improved by the end of this reporting month. Continuous inspection proceeds to next month.

Landscape and Visual

- Sufficient lighting was provided for the Fill Bank operation in the evening. Contractor provides adequate measures to maintain Landscape and Visual at site.

Site Practices

- Sufficient rubbish skips had been provided at site by the Contractor and the site area was found tidy and clean.

Landfill Gas

- The registered safety officer carried out landfill gas monitoring (oxygen, carbon dioxide and methane) twice per day for each temporary 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 bounding 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) <ul style="list-style-type: none"> ▪ 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
Effluent Discharge License	RE/D1176/839/1	04/10/06	30/10/11	<ul style="list-style-type: none"> ▪ For effluent from site toilet and shower room ▪ For aerobic wastewater treatment plant
Chemical Waste Producer	5213-839-P2800-23	04/08/05	---	<ul style="list-style-type: none"> ▪ Spent Lubricating Oil ▪ Solvent & Battery ▪ Surplus Paint Bank & Fuel ▪ Contaminated Soil ▪ Empty Chemical Containers

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 all monitoring stations 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

One documented complaint regarding dusty haul road was received on 24 October 2006.

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 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. One air quality complaint regarding dusty haul road was reported on 24 October 2006. Further details of the Complaint Log present in Appendix N.

Table 10.1 Summary of Environmental Complaints and Prosecutions

<i>Complaints logged</i>		<i>Summons served</i>		<i>Successful Prosecution</i>	
<i>October 2006</i>	<i>Cumulative</i>	<i>October 2006</i>	<i>Cumulative</i>	<i>October 2006</i>	<i>Cumulative</i>
1	2	0	0	0	0

11.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions

Impact monitoring of air quality and noise 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 prosecutions or notifications of summons had received in this reporting month. One dusty haul road complaint was received on 24 October 2006.

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 the public road and the main haul roads 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 AA1;
- 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:

- *Manage the incoming public fill dump trucks arriving through land access;*
- *Transport temporary stockpiled public fill from the Barge Handling Area (BHA) to Stockpile Areas or the Sorting Facility for Penny's Bay Reclamation Stage 2 (PBR2);*
- *Transport stockpile public fill from Stockpile Areas to the Sorting Facility for Penny's Bay Reclamation Stage 2 (PBR2);*
- *Direct some incoming public fill dump trucks to the Sorting Facility for Penny's Bay Reclamation Stage 2 (PBR2) for unloading;*
- *Routine site cleaning and maintenance of internal haul roads and access roads;*
- *Routine implementation of environmental mitigation measures such as dust suppression by water spraying, cleaning of nearby public roads by using road sweeper and collection of floating debris inside a berthing basin within the site boundary;*
- *Drainage improvement works within the Fill Bank;*
- *Landscaping works along the haul road towards the Construction Wastes Sorting Facility (CWSF);*
- *Construction of some sections of concrete pavements for access roads within the Fill Bank; and*
- *Construction of a pair of temporary working platforms along the haul road towards the CWSF for the future use by public dump truck drivers.*

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 from the area around air monitoring station AA1;
- 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 M.

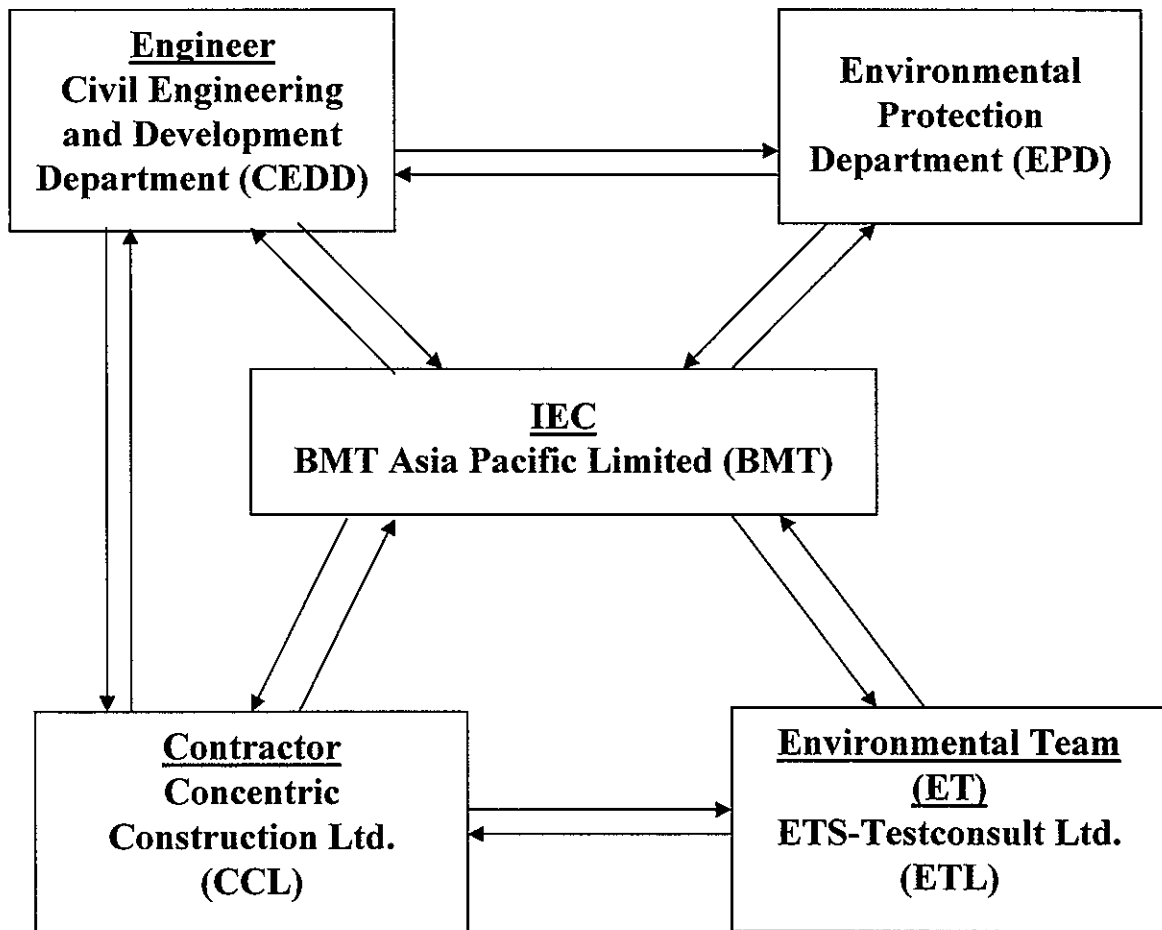


Appendix A

Organization Chart and Lines of Communication



Lines of Communication





Appendix B1

Calibration Certificates for Air Quality Monitoring Equipments



東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

8/F., Block B, Verstrong 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

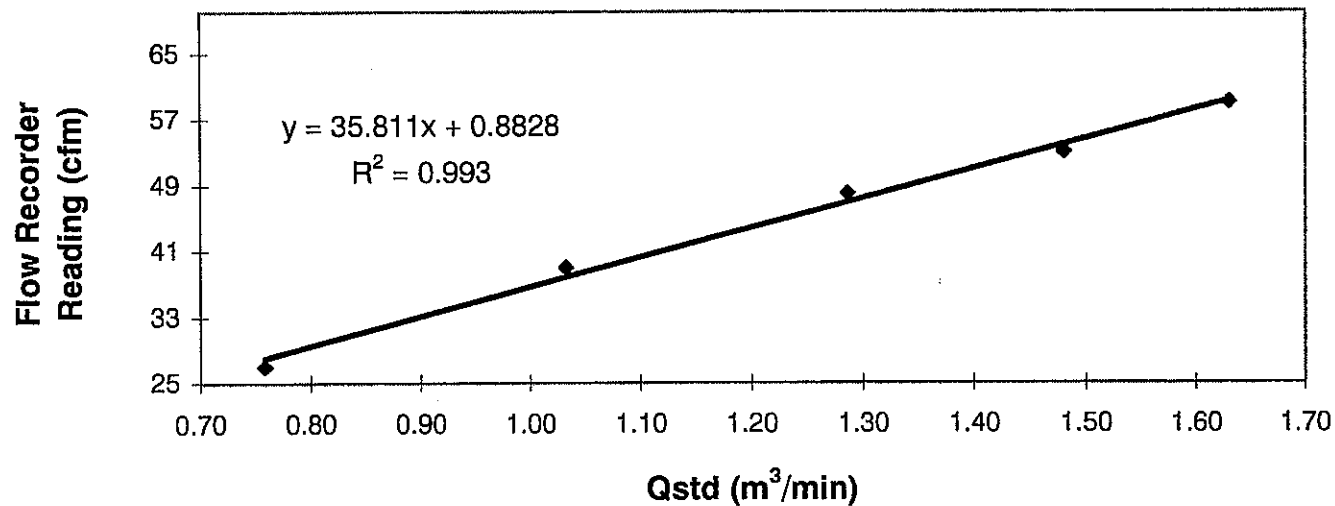
Calibration Report
of
High Volume Air Sampler

Manufacturer : Greasby GMW **Date of Calibration** : 20 September 2006
Serial No. : 10347 (ET / EA / 003 / 06) **Calibration Due Date** : 19 November 2006
Method : Based on Operations Manual for in series calibration method by TISCH
 ENVIROMENTAL Model Te-5025A calibration kit

Results :

Flow recorder reading (cfm)	59	53	48	39	27
Qstd (Actual flow rate, m ³ /min)	1.63	1.48	1.20	1.03	0.76
Pressure :	751.56 mm Hg		Temp. :	301 K	

Air Sampler 10347 Calibration Curve
Site: Tseung Kwan O (AA1)
Date of Calibration: 20 September 2006



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

TEST REPORT

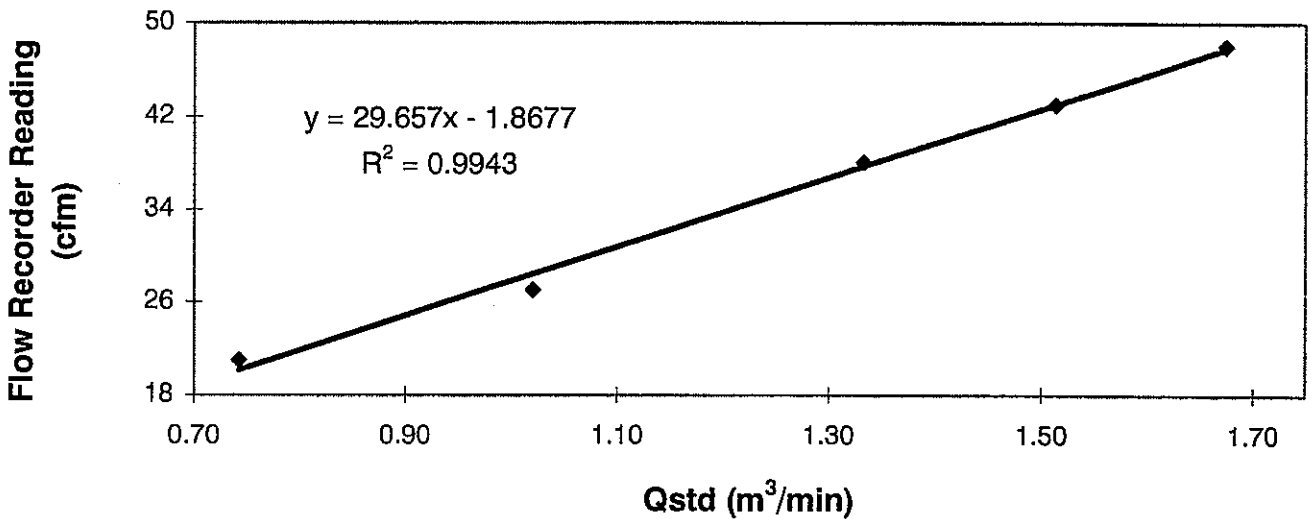
**Calibration Report
of
High Volume Air Sampler**

Manufacturer : Greasby GMW Date of Calibration : 20 September 2006
Serial No. : 1176 (ET / EA / 003 / 05) Calibration Due Date : 19 November 2006
Method : Based on Operations Manual for in series calibration method by TISCH
ENVIROMENTAL Model Te-5025A calibration kit

Results :

Flow recorder reading (cfm)	48	43	38	27	21
Qstd (Actual flow rate, m ³ /min)	1.67	1.51	1.33	1.02	0.74
Pressure :	751.56 mm Hg		Temp. :	301 K	

**Air Sampler 1176 Calibration Curve
Site: Tseung Kwan O (AA2)
Date of Calibration: 20 September 2006**



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
(Environmental Officer)



Appendix B2

Air Quality Monitoring Results

Summary of 24-hr TSP Monitoring Results

Monitoring Station : AA1
Location : Outside CEDD Site Office

Start Date	Start Time	Finish		Elapse Time		Sampling Time (hrs)	Flow Rate (m ³ /min.)		Average (m ³ /min.)	Filter Weight (g)		Conc. (µg/m ³)
		Date	Time	Initial	Final		Initial	Final		Initial	Final	
03/10/2006	15:30	04/10/06	15:31	9492.88	9516.89	24.01	1.03	1.03	1.03	2.8519	3.0291	119
09/10/2006	13:00	10/10/06	13:04	9519.89	9543.96	24.07	1.0336	1.0336	1.0336	2.8532	3.1069	170
14/10/2006	14:30	15/10/06	14:40	9546.96	9571.13	24.17	1.0057	1.0057	1.0057	2.8891	3.1443	175
20/10/2006	14:30	21/10/06	14:40	9574.13	9598.30	24.17	0.9779	0.9779	0.9779	2.8394	3.0833	172
26/10/2006	13:00	27/10/06	13:04	9601.30	9625.37	24.07	1.0057	1.0057	1.0057	2.8762	3.1594	195

Monitoring Station : AA2
Location : Site Egress

Start Date	Start Time	Finish		Elapse Time		Sampling Time (hrs)	Flow Rate (m ³ /min.)		Average (m ³ /min.)	Filter Weight (g)		Conc. (µg/m ³)
		Date	Time	Initial	Final		Initial	Final		Initial	Final	
03/10/2006	15:30	04/10/06	15:32	12785.91	12809.95	24.02	1.1420	1.1420	1.1420	2.8623	3.1011	145
09/10/2006	13:00	10/10/06	13:05	12812.95	12837.04	24.05	1.1420	1.1420	1.1420	1.8678	3.1286	158
14/10/2006	14:40	15/10/06	15:01	12840.04	12864.39	24.35	1.1757	1.1757	1.1757	2.8412	3.1195	162
20/10/2006	14:30	21/10/06	14:40	12867.39	12891.55	24.16	1.1757	1.1757	1.1757	2.8667	3.1547	169
26/10/2006	13:00	27/10/06	13:01	12894.55	12918.56	24.01	1.1757	1.1757	1.1757	2.8594	3.1575	176

Summary of 1-hr TSP Monitoring Results

Monitoring Station : AA1
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. (µg/m ³)
	Start	Finish	Initial	Final		Initial	Final		Initial	Final	
03/10/06	8:30	9:30	9489.88	9490.88	1.00	1.06	1.06	1.06	2.8341	2.8459	0.0118
	11:00	12:00	9490.88	9491.88	1.00	1.06	1.06	1.06	2.8419	2.8625	323
	13:00	14:00	9491.88	9492.88	1.00	1.05	1.05	1.05	2.8617	2.87822.8363	266
09/10/06	8:30	9:30	9516.89	9517.89	1.00	1.07	1.07	1.07	2.8753	2.8880	205
	9:45	14:45	9517.89	9518.89	1.00	1.07	1.07	1.07	2.8499	2.8688	305
	11:00	12:05	9518.89	9519.89	1.00	1.07	1.07	1.07	2.8805	2.9025	355
14/10/06	8:00	09:00	9543.96	9544.96	1.00	1.12	1.12	1.12	2.8492	2.8656	264
	11:00	12:00	9544.96	9595.96	1.00	1.12	1.12	1.12	2.8554	2.8777	370
	13:00	14:00	9595.96	9596.96	1.00	1.12	1.12	1.12	2.8678	2.8886	345
20/10/06	8:30	9:30	9571.13	9572.13	1.00	1.09	1.09	1.09	2.8723	2.8886	280
	11:00	12:00	9572.13	9573.13	1.00	1.09	1.09	1.09	2.8665	2.8886	366
	13:00	14:00	9573.13	9574.13	1.00	1.09	1.09	1.09	2.8910	2.89116	341
26/10/06	8:30	9:30	9598.30	9599.30	1.00	1.09	1.09	1.09	2.8479	2.8640	274
	9:45	14:45	9599.30	9600.30	1.00	1.09	1.09	1.09	2.8528	2.8723	332
	11:00	12:05	9600.30	9601.30	1.00	1.09	1.09	1.09	2.8633	2.8857	371

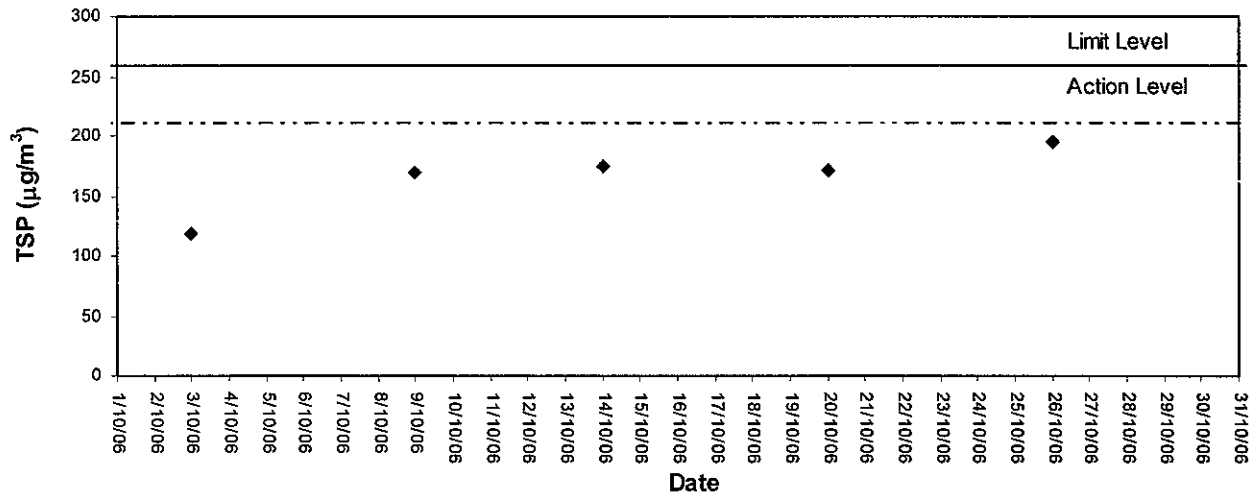
Monitoring Station : AA2
Location : Site Egress

Date	Time		Elapse Time		Sampling Time (hrs)	Flow Rate (m ³ /min.)		Average (m ³ /min.)	Filter Weight (g)		Conc. (µg/m ³)
	Start	Finish	Initial	Final		Initial	Final		Initial	Final	
03/10/06	8:30	09:30	12782.91	12783.91	1.00	1.12	1.12	1.12	2.8222	2.8363	219
	11:00	12:00	12783.91	12784.91	1.00	1.12	1.12	1.12	2.8309	2.8514	308
	13:00	14:00	12784.91	12875.91	1.00	1.12	1.12	1.12	2.8484	2.8679	285
09/10/06	8:30	9:30	12809.95	12810.95	1.00	1.09	1.09	1.09	2.8664	2.8840	257
	9:45	14:45	12810.95	12811.95	1.00	1.09	1.09	1.09	2.8752	2.8955	296
	11:00	12:005	12811.95	12812.95	1.00	1.09	1.09	1.09	2.8713	2.8951	347
14/10/06	8:00	09:00	12837.04	12838.04	1.00	1.11	1.11	1.11	2.8495	2.8654	232
	11:00	12:00	12838.04	12839.04	1.00	1.11	1.11	1.11	2.8662	2.8900	347
	13:00	14:00	12839.04	12840.04	1.00	1.11	1.11	1.11	2.8511	2.8741	336
20/10/06	8:30	9:30	12864.39	12865.39	1.00	1.07	1.07	1.07	2.8878	2.9056	252
	11:00	12:00	12865.39	12866.39	1.00	1.07	1.07	1.07	2.8232	2.8485	359
	13:00	14:00	12866.39	12867.39	1.00	1.07	1.07	1.07	2.8661	2.8892	327
30823506/10/06	8:30	9:30	12891.55	12892.55	1.00	1.07	1.07	1.07	2.8641	2.8848	293
	9:45	14:45	12892.55	12893.55	1.00	1.07	1.07	1.07	2.8719	2.8936	308
	11:00	12:05	12893.55	12894.55	1.00	1.07	1.07	1.07	2.8599	2.8846	350

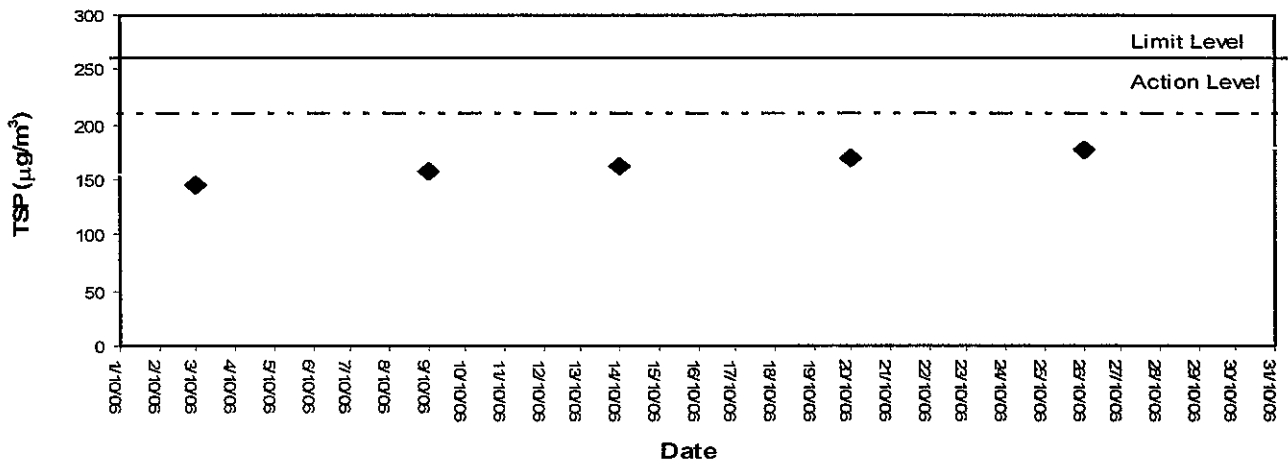
Appendix B3
Graphical Plots of Air Quality Monitoring Data



24-hour TSP level at AA1 (Outside CEDD Site Office)



24-hour TSP level at AA2 (Site Egress)





Appendix C1

Calibration Certificates for Noise Monitoring Equipments



Appendix C2

Noise Monitoring Results



Day-time Noise Monitoring

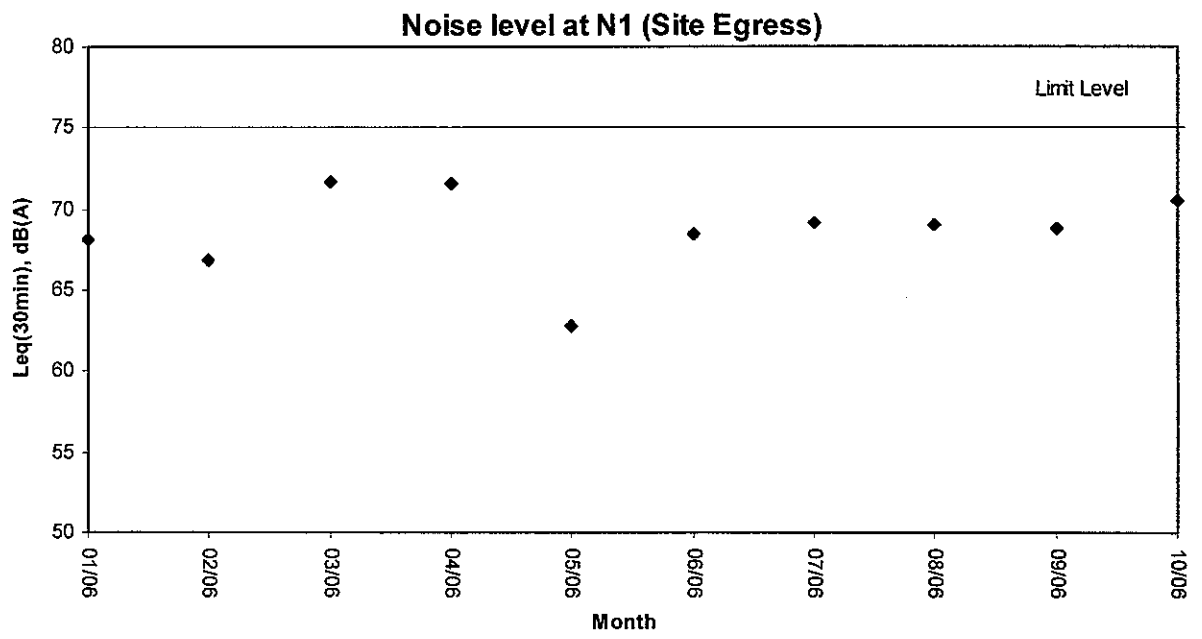
Monitoring Location: N1 (Site Egress)

Date	Start Sampling Time (hh:mm)	Noise Level dB (A)			Wind Speed (m/s)	Weather Condition
		L _{eq} (30min)	L ₁₀	L ₉₀		
08/10/06	09:50	68.8	71.4	59.8	0.8	Cloudy



Appendix C3

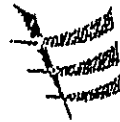
Graphical Plots of Noise Monitoring Data





Appendix D1

Calibration Certificates for Marine Water Quality Monitoring Equipments



Internal Calibration Report of Dissolved Oxygen Meter

Equipment Ref. No. : ET/2W/003/001 Manufacturer : - YSI
 Model No. : 95 Serial No. : 97H 04071 AD
 Date of Calibration : 22/8/06 Calibration Due Date : 21/11/06

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

Linearity 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	7.64	7.66	7.65	7.58	7.60	7.59	0.79
5	5.54	5.56	5.55	5.46	5.44	5.45	1.82
10	3.14	3.16	3.15	3.27	3.29	3.28	4.04
Linear regression coefficient						0.9988	

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	7.29	7.31	7.30	7.24	7.26	7.25	0.69
30	6.99	6.97	6.98	6.89	6.87	6.88	1.44

Acceptance Criteria

- (1) Difference 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 : PK

Approved by : [Signature]



Internal Calibration Report of Turbidimeter

Equipment Ref. No. : ET.10505/002

Manufacturer : HACH

Model No. : 2100P

Serial No. : 930900003728

Date of Calibration : 28/7/06

Calibration Due : 28/10/06

Data

(4.95) 0 - 10 NTU Gelex Vial	(49.0) 10 - 100 NTU Gelex Vial	(409) 100 - 1000 NTU Gelex Vial
4.92	48.2	405

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

* Delete as appropriate

Calibrated by : [Signature]

Approved by : [Signature]



Performance Check of Salinity Meter

Equipment Ref. No. : ET/0527/001 Manufacturer : YSI
Model No. : Model 30 Serial No. : 9961183
Date of Calibration : 28/7/06 Due Date : 28/10/06

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

I196A

Salinity Standard (ppt)	Measured Salinity (ppt)	Difference %
30	29.5	1.7%

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 :

[Signature]

Approved by :

[Signature]

Appendix D2

Impact Marine Water Quality Monitoring Results

**Mid-Ebb Tide
Monitoring Station : 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)			
			Surface	Middle		Value	Average	Value	Average	Value	Average	Value	Depth-average	Value	Average	Value	Average	Value	Depth-average	
04/10/2006	08:50 - 09:04	29/Sunny	Surface	1.0	28.1	30.6	7.14	7.16	108.5	108.8	3.16	3.16	3.5	2.84	3.5	3.2	3.2	3.0	3.0	
					30.5	7.18	109.1	3.16	3.5											
			Middle	9.8	27.2	31.2	6.43	6.40	97.7	97.3	2.81	2.81	3.2		3.2					3.0
					31.1	6.37	96.8	2.80	3.2	3.0										
			Bottom	18.6	26.3	31.8	6.06	6.09	92.1	92.6	2.55	2.55	3.0		3.0					3.0
					31.8	6.12	93.0	2.55	3.0	3.0										
06/10/2006	10:49 - 11:06	28/Cloudy	Surface	1.0	27.3	31.2	5.85	5.82	87.6	87.2	3.62	3.56	4.0	3.59	4.0	3.8	3.8	4.0	4.0	
					31.2	5.79	86.8	3.49	4.0											
			Middle	9.0	27.0	31.4	5.89	5.91	87.9	88.2	3.59	3.52	3.8		3.8					3.8
					31.4	5.92	88.4	3.45	3.8	3.8										
			Bottom	17.0	27.0	31.4	5.82	5.79	86.8	86.4	3.72	3.71	3.5		3.5					3.5
					31.4	5.75	85.9	3.69	3.5	3.5										
09/10/2006	12:30 - 12:44	27/Cloudy	Surface	1.0	25.8	30.9	6.88	6.84	100.9	100.3	3.47	3.52	4.0	3.25	4.0	3.5	3.6	4.0	4.0	
					30.9	6.80	99.7	3.57	4.0											
			Middle	9.5	25.4	31.8	6.39	6.42	93.7	94.1	3.29	3.33	3.5		3.5					3.5
					31.8	6.44	94.4	3.36	3.5	3.5										
			Bottom	18.0	25.3	32.3	5.72	5.69	83.9	83.4	2.87	2.92	3.3		3.3					3.3
					32.3	5.65	82.8	2.96	3.3	3.3										
11/10/2006	14:15 - 14:30	29/Fine	Surface	1.0	27.7	30.7	6.87	6.82	103.1	102.3	3.17	3.17	3.2	2.89	3.2	3.2	3.1	3.2	3.2	
					30.7	6.76	101.4	3.17	3.2											
			Middle	10.4	26.4	30.9	6.32	6.27	94.8	94.1	2.84	2.85	3.0		3.0					3.0
					30.9	6.27	94.1	2.84	3.0	3.0										

14/10/2006	07:30 - 07:45	30/Cloudy	Bottom	19.8	25.8	30.9	31.6	31.5	6.10	6.10	93.3	92.0	91.1	2.85	2.66	2.67	3.0	3.0	3.0		
			Surface	1.0	28.6	30.7	30.7	6.37	6.40	6.16	94.9	95.3	95.1	4.60	4.62	4.61	4.7	4.8	4.8	4.2	
			Middle	9.8	27.9	31.4	31.4	5.95	5.91	5.93	88.6	88.0	88.3	4.27	4.28	4.28	4.3	4.3	4.3	4.3	4.2
16/10/2006	07:30 - 07:45	29/Cloudy	Bottom	18.6	27.4	32.1	32.2	32.2	5.60	5.64	5.62	83.4	84.0	83.7	3.90	3.97	3.94	3.5	3.5	3.5	
			Surface	1.0	27.6	31.6	31.6	6.27	6.24	6.03	92.7	92.3	92.5	4.06	4.05	4.06	4.3	4.2	4.3	4.2	
			Middle	9.8	27.2	32.4	32.4	5.82	5.78	5.80	85.5	84.9	85.2	4.17	4.16	4.17	4.0	4.0	4.0	4.0	4.2
18/10/2006	09:00 - 09:15	29/Cloudy	Bottom	18.6	26.7	32.6	32.5	32.5	5.30	5.34	5.32	77.9	78.4	78.2	3.95	3.96	3.96	4.3	4.3	4.3	
			Surface	1.0	27.9	32.1	32.1	5.67	5.70	5.69	86.4	86.9	86.7	4.69	4.70	4.70	5.0	5.0	5.0	5.0	
			Middle	9.8	27.4	31.8	31.8	5.72	5.75	5.74	86.7	87.1	86.9	3.79	3.80	3.80	4.0	4.0	4.0	4.0	4.4
20/10/2006	10:30 - 10:46	28/Fine	Bottom	18.6	27.0	32.4	32.4	32.4	5.82	5.85	5.84	87.7	88.1	87.9	3.98	3.97	3.98	4.3	4.2	4.3	
			Surface	1.0	27.6	30.6	30.5	6.35	6.41	6.38	89.9	90.8	90.4	3.80	3.72	3.76	4.0	4.0	4.0	4.0	3.6
			Middle	10.3	26.2	31.3	31.3	5.78	5.70	5.74	81.8	80.7	81.3	3.49	3.55	3.52	3.5	3.5	3.5	3.5	3.3
		Bottom	19.6	25.9	31.3	31.3	31.3	5.29	5.26	5.26	74.9	74.5	74.5	3.02	3.02	3.05	3.3	3.3	3.3	3.3	

23/10/2006	12:00 - 12:15	20/Cloudy	Surface	1.0	27.6	31.3	5.23	5.97	74.1	3.08	4.26	3.2		
						31.6	6.07					90.4	4.5	
						31.6	6.11					91.0	4.5	
						32.3	5.87					87.4	4.3	
						32.3	5.84					87.0	4.3	
						32.5	5.60					82.8	4.8	
32.5	5.64	83.4	4.8											
25/10/2006	13:10 - 13:21	29/Cloudy	Surface	1.0	27.3	30.1	6.57	6.38	98.6	3.41	3.42	4.0		
						30.2	6.51						97.7	4.0
						31.0	6.23						93.5	3.5
						31.1	6.19						92.9	3.5
						31.8	5.92						88.8	3.8
						31.8	5.98						89.7	3.8
27/10/2006	14:00 - 14:15	29/Sunny	Surface	1.0	28.4	31.9	6.37	6.13	95.5	4.15	4.17	4.5		
						31.8	6.41						96.1	4.5
						32.3	5.89						88.3	4.3
						32.4	5.86						87.8	4.3
						32.8	5.46						81.3	4.2
						32.9	5.43						80.9	4.3
31/10/2006	07:20 - 07:30	29/Sunny	Surface	1.0	28.1	30.4	7.16	6.73	103.8	3.08	3.08	3.2		
						30.5	7.08						102.7	3.2
						30.8	6.37						92.4	3.5
						30.9	6.31						91.5	3.5
						31.2	6.18						89.6	3.0
						31.3	6.10						88.5	3.2

**Mid-Ebb Tide
Monitoring Station : 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
04/10/2006	09:45 - 09:55	29/Sunny	Surface	1.0	28.2	30.8	30.8	7.28	7.24	110.7	110.1	3.22	3.22	3.0	3.0	3.1	
				3.8	27.5	31.6	31.6	6.52	6.48	99.1	98.5	3.03	3.03	3.0	3.2		
			Bottom	6.6	27.1	32.1	32.1	5.94	5.96	90.3	90.6	2.87	2.88	3.0	3.0		
				1.0	27.1	30.4	30.4	6.56	6.54	97.1	96.8	3.21	3.25	3.2	3.4		
			Middle	4.4	26.7	31.2	31.2	6.63	6.61	98.2	97.8	2.49	2.53	3.0	3.1		
				7.8	26.6	31.4	31.4	5.95	5.91	88.1	87.7	4.08	4.14	3.8	3.8		
06/10/2006	10:10 - 10:28	28/Cloudy	Surface	1.0	25.6	31.0	31.0	6.47	6.44	94.8	94.3	3.59	3.62	3.5	3.5	3.3	
				4.3	25.4	31.7	31.7	6.12	6.08	89.7	89.1	2.88	2.91	3.0	3.0		
			Bottom	7.6	25.4	31.8	31.8	5.39	5.36	79.0	78.6	3.11	3.15	3.5	3.5		
				1.0	27.7	30.8	30.8	6.58	6.54	98.7	98.1	3.28	3.28	2.7	2.9		
			Middle	4.2	27.1	31.3	31.3	6.14	6.11	92.1	91.7	3.16	3.16	2.5	2.5		
				4.2	27.1	31.3	31.3	6.08	6.11	91.2	91.7	3.16	3.16	2.5	2.5		

14/10/2006	08:15 - 08:30	30/Cloudy	Bottom	7.4	26.4	31.6	6.02	5.98	5.98	90.3	89.7	3.08	3.08	3.0	3.0	3.8		
			Surface	1.0	28.7	30.9	6.43	6.42	95.8	95.6	3.79	3.80	4.0	4.0	3.90			
			Middle	4.4	27.8	31.5	5.82	5.80	86.7	86.4	4.02	4.04	4.0	4.0				
		Bottom	7.8	27.6	32.1	5.74	5.72	84.9	84.6	3.88	3.87	3.5	3.5					
		08:15 - 08:30	29/Cloudy	Surface	1.0	27.8	31.6	6.35	6.33	93.9	93.6	3.72	3.74	3.73	3.5		3.5	3.5
				Middle	4.4	27.4	32.5	6.02	6.01	89.0	88.8	3.43	3.41	3.42	3.5		3.5	
	Bottom			7.8	26.9	32.6	5.79	5.77	85.6	85.3	3.10	3.12	3.11	3.5	3.5			
	29/Cloudy		Surface	1.0	27.8	31.9	5.98	5.97	90.8	90.6	4.98	4.97	4.98	4.5	4.5	4.3		
			Middle	4.6	27.6	32.2	5.84	5.83	88.1	87.9	3.89	3.90	3.90	4.3	4.3			
			Bottom	8.2	27.5	32.4	5.90	5.92	89.0	89.3	4.07	4.06	4.07	4.0	4.0			
	20/10/2006	11:12 - 11:25	28/Fine	Surface	1.0	27.4	30.4	6.28	6.25	88.9	88.4	3.33	3.36	3.3	3.4	3.2		
				Middle	4.5	26.8	31.1	6.04	6.02	85.5	85.3	2.84	2.88	3.0	3.1			
Bottom				8.0	26.2	31.5	5.11	5.08	72.4	71.9	3.53	3.57	3.2	3.2				
09:45 - 10:00		29/Cloudy	Surface	1.0	27.8	31.9	5.95	5.97	90.4	90.6	4.97	4.98	4.98	4.5	4.5	4.3		
			Middle	4.6	27.6	32.2	5.81	5.83	87.7	87.9	3.90	3.90	3.90	4.3	4.3			
			Bottom	8.2	27.5	32.4	5.90	5.92	89.6	89.3	4.06	4.06	4.07	4.0	4.0			

23/10/2006	12:45 - 13:00	30/Cloudy	Surface	1.0	27.6	31.6	31.6	6.11	6.13	5.90	91.0	91.2	3.74	3.74	3.5	3.5
			Middle	4.4	27.4	32.4	32.3	5.99	5.67	5.90	84.2	83.9	3.92	3.93	4.5	4.4
			Bottom	7.8	26.9	32.5	32.5	5.75	5.73	5.73	85.1	84.8	3.53	3.54	3.8	3.8
			Surface	1.0	27.1	30.3	30.3	6.39	6.42	6.27	95.9	96.4	3.72	3.72	3.3	3.3
			Middle	4.6	26.7	31.2	31.2	6.14	6.11	6.27	92.1	91.7	3.82	3.83	3.5	3.5
			Bottom	8.2	26.4	31.8	31.8	5.76	5.79	5.79	86.4	86.9	3.66	3.66	3.3	3.4
25/10/2006	13:50 - 13:58	29/Cloudy	Surface	1.0	28.4	31.9	31.9	6.52	6.54	6.30	97.1	97.4	3.89	3.89	3.5	3.5
			Middle	4.4	28.0	32.4	32.4	6.04	6.06	6.30	89.9	90.2	3.76	3.76	4.5	4.4
			Bottom	7.8	27.6	32.8	32.8	5.77	5.75	5.75	85.9	85.6	3.50	3.51	4.0	4.0
			Surface	1.0	28.2	31.0	31.0	7.29	7.25	6.87	105.7	105.1	3.14	3.14	2.5	2.5
			Middle	3.8	27.5	31.2	31.1	6.51	6.49	6.87	94.4	94.1	3.07	3.07	2.5	2.5
			Bottom	6.6	27.2	31.9	31.8	6.44	6.41	6.41	93.4	93.0	3.04	3.04	3.2	3.3
27/10/2006	14:45 - 15:00	29/Sunny	Surface	1.0	28.4	31.9	31.9	6.56	6.54	6.30	97.1	97.4	3.88	3.89	3.5	3.5
			Middle	4.4	28.0	32.4	32.4	6.04	6.06	6.30	89.9	90.2	3.76	3.76	4.5	4.4
			Bottom	7.8	27.6	32.8	32.8	5.77	5.75	5.75	85.9	85.6	3.50	3.51	4.0	4.0
			Surface	1.0	28.2	31.0	31.0	7.29	7.25	6.87	105.7	105.1	3.14	3.14	2.5	2.5
			Middle	3.8	27.5	31.2	31.1	6.51	6.49	6.87	94.4	94.1	3.07	3.07	2.5	2.5
			Bottom	6.6	27.2	31.9	31.8	6.44	6.41	6.41	93.4	93.0	3.04	3.04	3.2	3.3
31/10/2006	08:02 - 08:15	29/Sunny	Surface	1.0	28.2	31.0	31.0	7.21	7.25	6.87	104.5	105.1	3.13	3.14	2.5	2.5
			Middle	3.8	27.5	31.2	31.1	6.51	6.49	6.87	94.4	94.1	3.07	3.07	2.5	2.5
			Bottom	6.6	27.2	31.9	31.8	6.44	6.41	6.41	93.4	93.0	3.04	3.04	3.2	3.3
			Surface	1.0	28.2	31.0	31.0	7.21	7.25	6.87	104.5	105.1	3.13	3.14	2.5	2.5
			Middle	3.8	27.5	31.2	31.1	6.51	6.49	6.87	94.4	94.1	3.07	3.07	2.5	2.5
			Bottom	6.6	27.2	31.9	31.8	6.44	6.41	6.41	93.4	93.0	3.04	3.04	3.2	3.3

**Mid-flood Tide
Monitoring Station : 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	Depth-average	Value	Average	Depth-average	Value	Average	Depth-average					
04/10/2006	16:42 - 16:57	29/Sunny	Surface	1.0	28.4	30.6	30.6	7.18	7.14	6.75	109.1	108.5	3.08	3.08	3.3	3.2	3.2	3.3					
				3.9	27.6	31.4	31.4	6.39	6.35	97.1	96.5	2.97	2.97	3.2									
	Middle		6.8	27.0	31.8	31.8	6.04	6.00	91.8	91.2	2.90	2.91	3.0	3.0	3.0								
			Bottom	1.0	27.2	30.8	30.8	6.34	6.31	93.8	93.4	3.84	3.88	4.0					4.0				
	06/10/2006		16:42 - 16:58	28/Cloudy	Surface	4.2	26.8	31.2	31.2	6.06	6.03	89.7	89.2	3.19	3.22				3.2	3.2	3.50	3.50	3.2
						7.4	26.6	31.3	31.3	5.71	5.68	84.6	84.1	3.35	3.41				3.5	3.5			
Middle		1.0	25.3		30.9	30.9	6.60	6.57	97.3	96.8	3.41	3.46	3.5	3.5	3.5								
		Bottom	7.4		26.6	31.3	31.3	5.65	5.68	83.6	84.1	3.46	3.41	3.5		3.5							
09/10/2006	08:10 - 08:16	26/Cloudy	Surface	1.0	25.3	30.9	30.9	6.60	6.57	97.3	96.8	3.41	3.46	3.5	3.5	3.42	3.42	3.5					
				4.5	25.2	31.5	31.6	6.17	6.14	91.0	90.5	3.08	3.14	3.2	3.2								
				Bottom	8.0	25.1	32.2	32.2	5.57	5.53	82.1	81.5	3.62	3.66	3.5				3.5				
11/10/2006	09:20 - 09:35	29/Fine	Surface	1.0	27.8	30.9	30.9	6.75	6.70	101.3	100.5	3.12	3.13	3.2	3.2	2.98	2.98	3.2					
				1.0	27.8	30.9	30.9	6.64	6.70	99.6	100.5	3.13	3.13	3.2	3.2								

14/10/2006	Middle	4.4	27.0	31.4	31.4	6.18	6.14	92.7	92.1	2.97	2.97	3.2	3.2	3.2	3.2
14/10/2006	Bottom	7.8	26.4	32.1	32.1	6.01	5.98	90.2	89.7	2.84	2.84	2.5	2.5	2.5	2.5
14/10/2006	Surface	1.0	29.4	30.8	30.9	6.88	6.87	102.5	102.3	4.07	4.09	4.0	4.0	4.0	4.0
14/10/2006	Middle	4.7	28.6	31.5	31.5	6.19	6.18	91.6	91.4	3.72	3.74	3.8	3.8	3.8	3.8
14/10/2006	Bottom	8.4	28.0	32.3	32.2	5.97	5.95	88.3	88.0	3.83	3.82	3.5	3.5	3.5	3.5
16/10/2006	Surface	1.0	28.3	31.7	31.7	6.92	6.90	102.4	102.1	3.52	3.51	3.5	3.5	3.5	3.5
16/10/2006	Middle	4.7	27.8	32.4	32.4	6.27	6.25	92.1	91.8	2.96	2.97	3.2	3.2	3.2	3.4
16/10/2006	Bottom	8.4	27.5	32.6	32.5	6.15	6.13	90.4	90.1	2.88	2.87	3.5	3.5	3.5	3.5
18/10/2006	Surface	1.0	27.4	32.7	32.7	6.26	6.24	95.6	95.4	4.12	4.15	3.5	3.5	3.5	3.5
18/10/2006	Middle	4.3	26.9	32.8	32.8	6.11	6.13	92.3	92.5	4.02	3.99	4.3	4.3	4.3	3.9
18/10/2006	Bottom	7.6	26.9	32.9	32.9	5.90	5.86	88.0	87.7	3.97	3.95	4.0	4.0	4.0	4.0
20/10/2006	Surface	1.0	27.6	30.3	30.3	6.31	6.29	90.6	90.3	3.71	3.63	3.8	3.8	3.8	3.5
20/10/2006	Middle	4.3	26.8	30.9	30.9	5.74	5.71	82.4	82.0	3.29	3.37	3.5	3.5	3.5	3.5

23/10/2006	17:45 - 18:00	30/Cloudy	Bottom	7.6	26.4	31.4	31.4	4.91	4.89	4.89	70.5	70.2	3.40	3.44	3.2	3.2		
			Surface	1.0	28.4	31.7	31.7	6.58	6.56	6.36	98.0	97.7	3.32	3.32	3.5	3.5		
			Middle	4.7	27.6	32.4	32.4	6.14	6.16	6.36	90.8	91.1	3.06	3.07	3.5	3.5	3.4	
			Bottom	8.4	27.3	32.6	32.6	5.59	5.57	5.57	82.7	82.4	3.17	3.18	3.2	3.2	3.2	
			Surface	1.0	27.1	30.6	30.6	6.25	6.22	6.14	93.8	93.3	3.62	3.61	3.8	3.8	3.8	
			Middle	4.3	26.6	31.4	31.5	6.02	6.06	6.14	90.3	90.9	3.23	3.23	3.5	3.5	3.5	3.6
25/10/2006	08:45 - 08:55	29/Cloudy	Bottom	7.6	26.2	32.0	32.1	5.64	5.68	5.68	84.6	85.2	3.08	3.09	3.2	3.5		
			Surface	1.0	27.6	31.8	31.8	6.23	6.22	6.02	93.4	93.2	3.42	3.41	3.5	3.5	3.5	
			Middle	4.8	27.2	32.5	32.4	5.83	5.82	6.02	86.8	86.6	2.97	2.96	3.8	3.8	3.8	
			Bottom	8.6	27.0	32.8	32.7	5.46	5.45	5.45	81.3	81.1	3.05	3.03	4.0	4.0	4.0	
			Surface	1.0	28.1	30.7	30.8	7.14	7.10	6.79	103.5	103.0	3.06	3.06	3.2	3.2	3.2	3.2
			Middle	3.6	27.6	30.9	30.9	6.51	6.47	6.79	94.4	93.8	3.01	3.01	3.0	3.0	3.0	3.1
27/10/2006	10:00 - 10:15	29/Sunny	Bottom	6.2	27.3	31.0	31.1	6.28	6.24	6.24	91.1	90.5	2.96	2.96	3.2	3.2		
			Surface	1.0	28.1	30.8	30.8	7.14	7.10	6.79	103.5	103.0	3.06	3.06	3.2	3.2	3.2	
			Middle	3.6	27.6	30.9	30.9	6.51	6.47	6.79	94.4	93.8	3.01	3.01	3.0	3.0	3.0	3.1
			Bottom	6.2	27.3	31.0	31.1	6.28	6.24	6.24	91.1	90.5	2.96	2.96	3.2	3.2	3.2	3.2
			Surface	1.0	28.1	30.8	30.8	7.14	7.10	6.79	103.5	103.0	3.06	3.06	3.2	3.2	3.2	3.2
			Middle	3.6	27.6	30.9	30.9	6.51	6.47	6.79	94.4	93.8	3.01	3.01	3.0	3.0	3.0	3.1
31/10/2006	15:14 - 15:25	29/Sunny	Bottom	6.2	27.3	31.0	31.1	6.28	6.24	6.24	91.1	90.5	2.96	2.96	3.2	3.2		
			Surface	1.0	28.1	30.8	30.8	7.14	7.10	6.79	103.5	103.0	3.06	3.06	3.2	3.2	3.2	
			Middle	3.6	27.6	30.9	30.9	6.51	6.47	6.79	94.4	93.8	3.01	3.01	3.0	3.0	3.0	3.1
			Bottom	6.2	27.3	31.0	31.1	6.28	6.24	6.24	91.1	90.5	2.96	2.96	3.2	3.2	3.2	3.2
			Surface	1.0	28.1	30.8	30.8	7.14	7.10	6.79	103.5	103.0	3.06	3.06	3.2	3.2	3.2	3.2
			Middle	3.6	27.6	30.9	30.9	6.51	6.47	6.79	94.4	93.8	3.01	3.01	3.0	3.0	3.0	3.1

**Mid-flood Tide
Monitoring Station : 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	Depth-average	Value	Average	Depth-average	Value	Average	Depth-average
04/10/2006	16:10 - 16:23	29/Sunny	Surface	28.3	30.8	30.9	7.30	7.26	6.87	111.0	110.4	3.21	3.5	3.5	3.2			
				30.9	7.22	109.7	3.21											
	Middle		27.5	31.6	31.6	6.44	6.48	6.11	97.9	98.5	3.10	3.2	3.2					
			31.5	31.5	6.52	99.1	3.11		3.2									
	Bottom		26.6	32.1	32.1	6.14	6.11	5.61	93.3	92.9	2.87	3.0	3.0					
			32.0	32.0	6.08	92.4	2.87		3.0									
06/10/2006	16:00 - 16:16	28/Cloudy	Surface	27.4	31.1	31.1	5.76	5.73	5.61	85.3	84.8	4.57	4.5	4.5	3.78			
				31.1	31.1	5.69	84.2	4.68		4.5								
	Middle		26.9	31.3	31.3	5.43	5.49	5.22	80.4	81.3	3.62	4.0	4.0					
			31.3	31.3	5.55	82.2	3.54		4.0									
	Bottom		26.8	31.4	31.4	5.28	5.22	6.48	78.2	77.3	3.09	3.5	3.5					
			31.4	31.4	5.16	76.4	3.15		3.5									
09/10/2006	07:30 - 07:45	26/Cloudy	Surface	25.4	31.0	31.1	6.74	6.67	6.48	99.4	98.3	3.87	4.0	4.2	3.6			
				31.1	31.1	6.59	97.1	3.95		4.3								
	Middle		25.0	31.9	32.0	6.32	6.29	3.41	93.2	92.7	3.36	3.5	3.5					
			31.9	32.0	6.29	92.7	3.36		3.5									

11/10/2006	08:40 - 08:53	29/Fine	Bottom	18.8	25.1	32.0	32.4	32.4	6.25	5.89	5.89	92.1	86.8	3.45	3.06	3.5	3.2		
			Surface	1.0	27.9	30.8	30.8	6.56	6.52	6.36	98.4	97.8	3.25	3.25	3.5	3.5	3.5	3.5	
			Middle	10.2	26.2	31.1	31.1	6.23	6.20	6.02	93.5	93.0	3.18	3.18	3.5	3.5	3.5	3.5	3.3
14/10/2006	16:30 - 16:45	30/Cloudy	Bottom	19.4	25.5	31.8	31.9	31.9	6.06	6.02	6.02	90.9	90.3	3.02	3.02	3.0	2.9		
			Surface	1.0	29.2	30.8	30.8	6.69	6.67	6.38	99.6	99.3	3.96	3.94	4.5	4.5	4.5	4.5	
			Middle	10.0	28.7	31.5	31.5	6.07	6.09	5.80	90.4	90.7	4.04	4.05	3.8	4.05	3.8	4.0	4.1
16/10/2006	15:30 - 15:45	29/Cloudy	Bottom	19.0	27.9	32.2	32.1	32.1	5.82	5.80	5.80	86.1	85.8	4.15	4.16	4.0	4.0		
			Surface	1.0	28.3	31.7	31.6	6.68	6.67	6.36	98.8	98.6	3.79	3.78	4.0	4.0	4.0	4.0	
			Middle	10.1	27.9	32.5	32.4	6.07	6.05	5.92	89.8	89.5	3.43	3.41	3.8	3.61	3.8	3.8	3.8
18/10/2006	16:00 - 16:15	29/Cloudy	Bottom	19.2	27.6	32.6	32.6	32.6	5.93	5.92	5.92	87.7	87.5	3.60	3.61	3.5	3.5		
			Surface	1.0	27.2	32.3	32.4	5.69	5.67	5.78	76.8	76.6	3.46	3.45	3.5	3.5	3.5	3.5	4.0
			Middle	10.1	27.0	32.7	32.6	5.90	5.89	5.89	83.3	83.1	4.89	4.89	4.5	4.89	4.5	4.5	4.5
			Bottom	19.2	26.6	32.8	32.8	32.8	5.66	5.64	5.64	85.0	84.7	3.39	3.40	4.0	4.0		

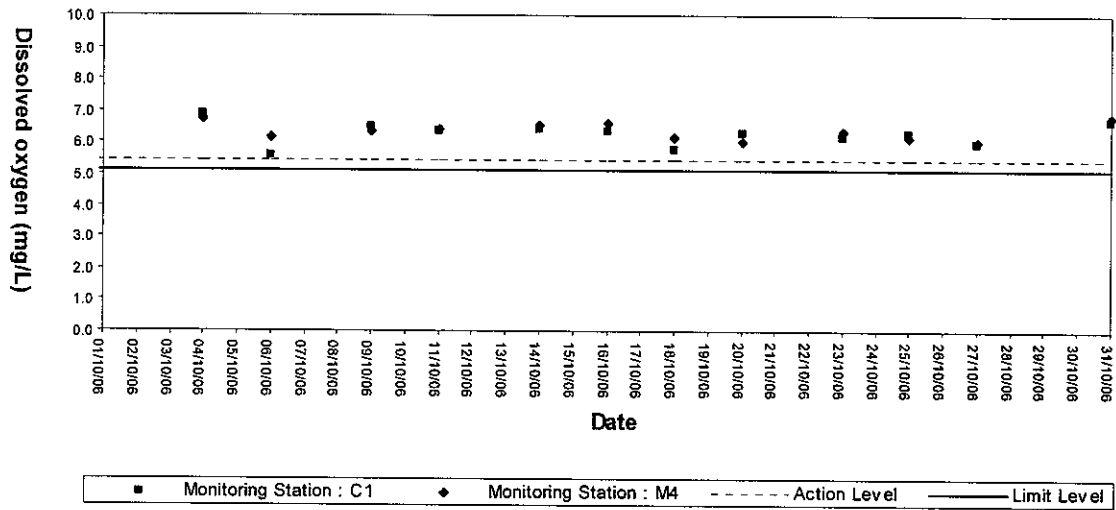
20/10/2006	16:30 - 16:44	28/Fine	Surface	1.0	27.8	32.8	5.62	6.28	84.4	94.0	3.40	4.0	4.4	3.8
						30.2	6.58				4.10			
						30.2	6.51				4.02			
						31.0	6.04				3.21			
						31.0	5.97				3.26			
						31.2	5.05				3.60			
23/10/2006	17:00 - 17:15	30/Cloudy	Surface	1.0	28.2	31.6	6.29	6.18	93.7	94.0	3.92	4.0	4.1	3.8
						31.6	6.33				3.94			
						32.4	6.02				4.07			
						32.4	6.06				4.09			
						32.5	5.73				3.37			
						32.6	5.76				3.38			
25/10/2006	08:05 - 08:15	29/Cloudy	Surface	1.0	27.2	30.2	6.48	6.28	97.2	96.6	3.74	4.0	4.0	3.8
						30.2	6.40				3.73			
						30.7	6.16				3.52			
						30.7	6.08				3.51			
						31.2	5.74				3.11			
						31.2	5.68				3.10			
27/10/2006	09:15 - 09:30	29/Sunny	Surface	1.0	27.8	31.8	6.19	5.95	92.8	92.5	3.82	4.0	3.9	3.9
						31.8	6.15				3.81			
						32.4	5.72				3.79			
						32.4	5.75				3.80			
						32.8	5.38				3.65			
						32.8	5.35				3.64			
31/10/2006	14:35 -	29/Sunny	Surface	1.0	28.0	30.8	7.03	6.65	101.9	102.5	2.97	3.5	3.4	3.1

Appendix D3

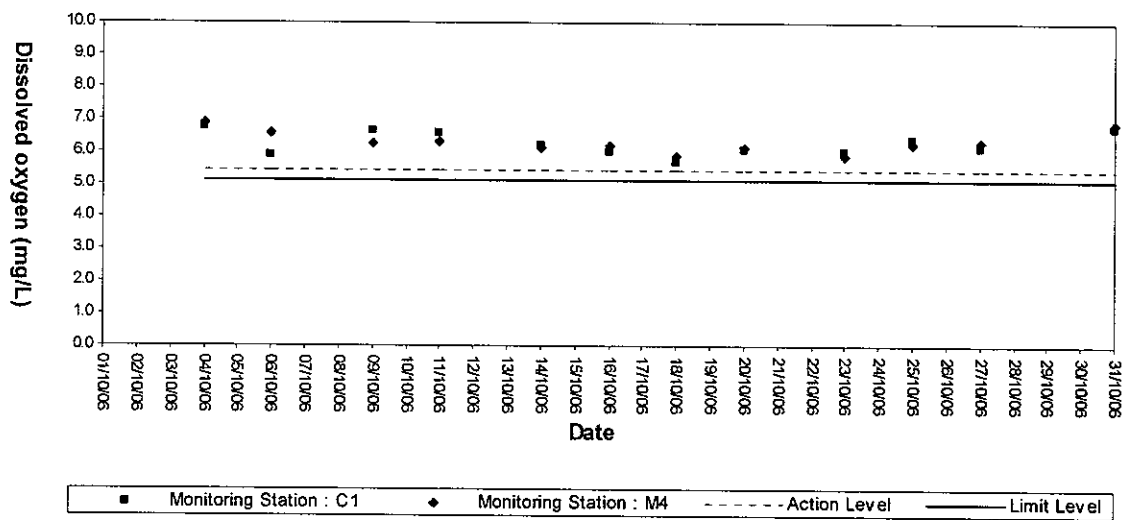
Graphical Plots of Impact Marine Water Quality Monitoring Data



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

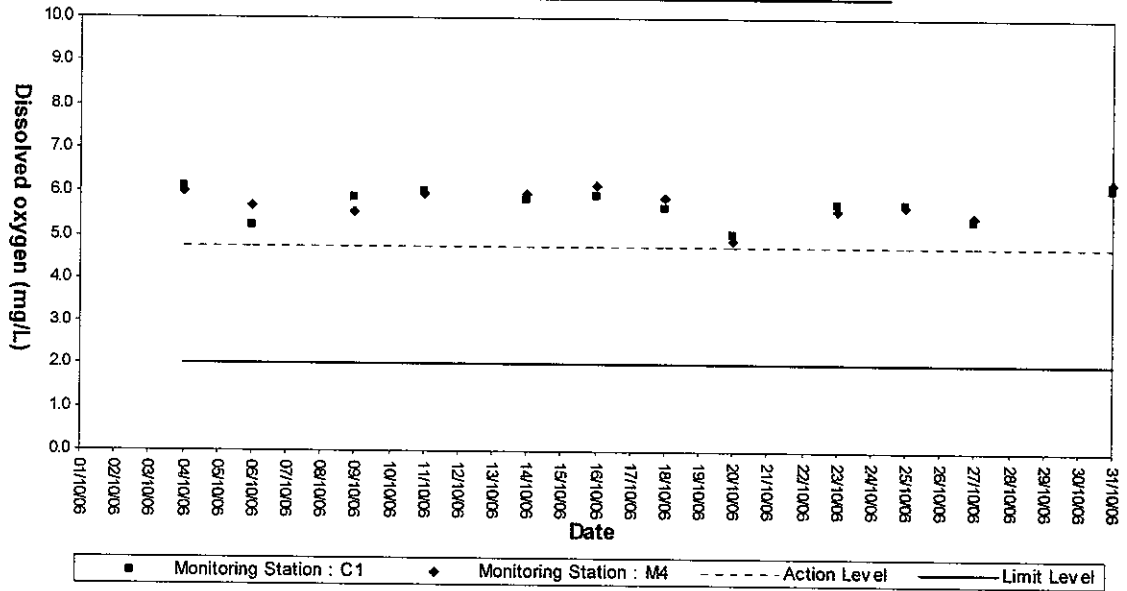


Dissolved Oxygen (Surface & Middle) at Mid-Ebb Tide

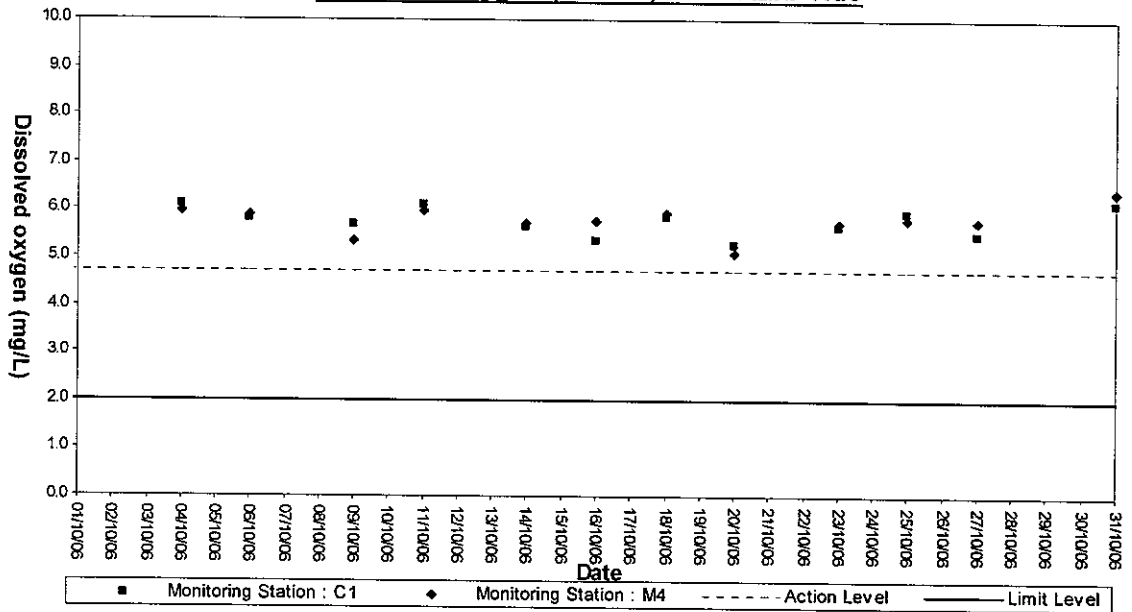




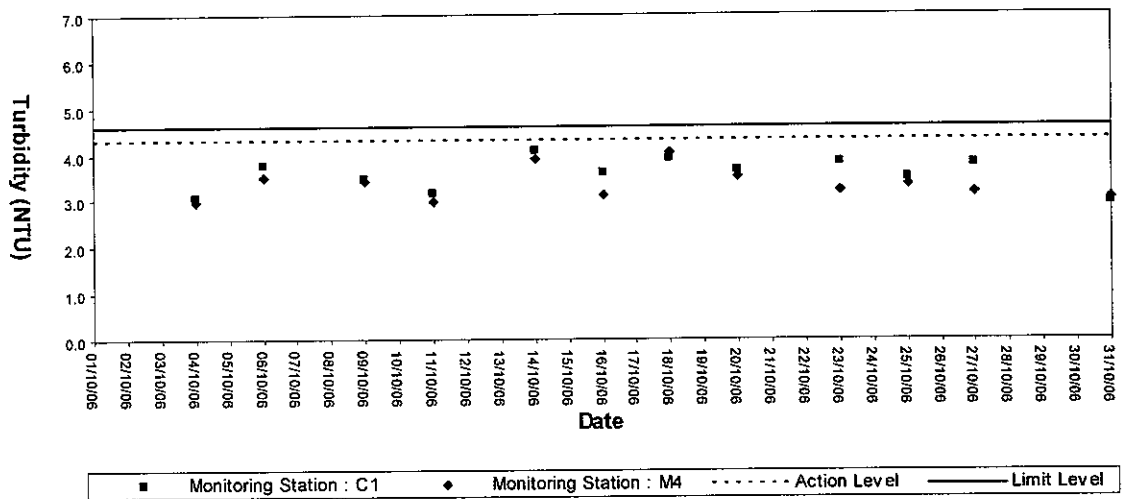
Dissolved Oxygen (Bottom) at Mid-Flood Tide



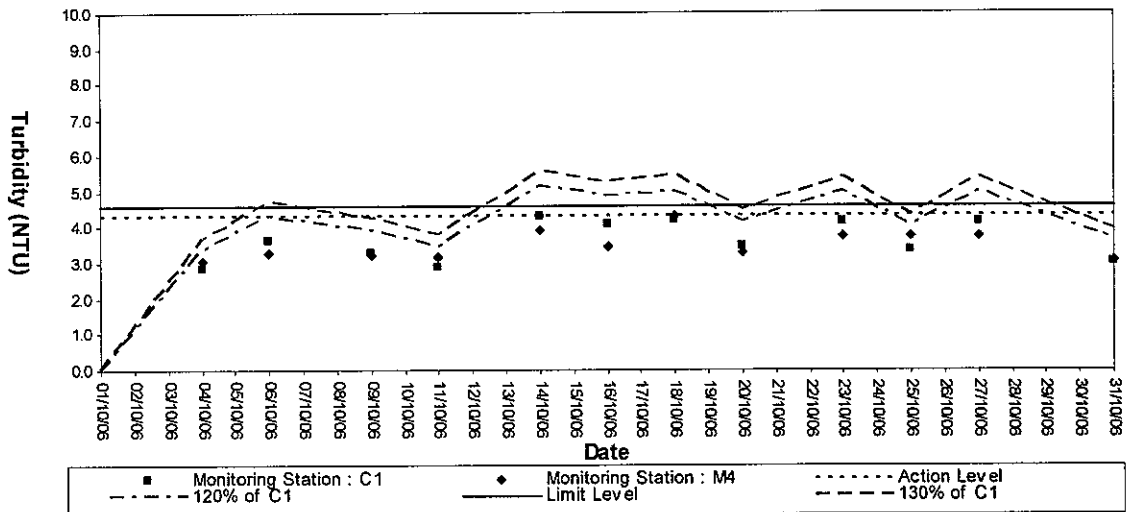
Dissolved Oxygen (Bottom) at Mid-Ebb Tide



Turbidity (Depth-average) at Mid-Flood Tide

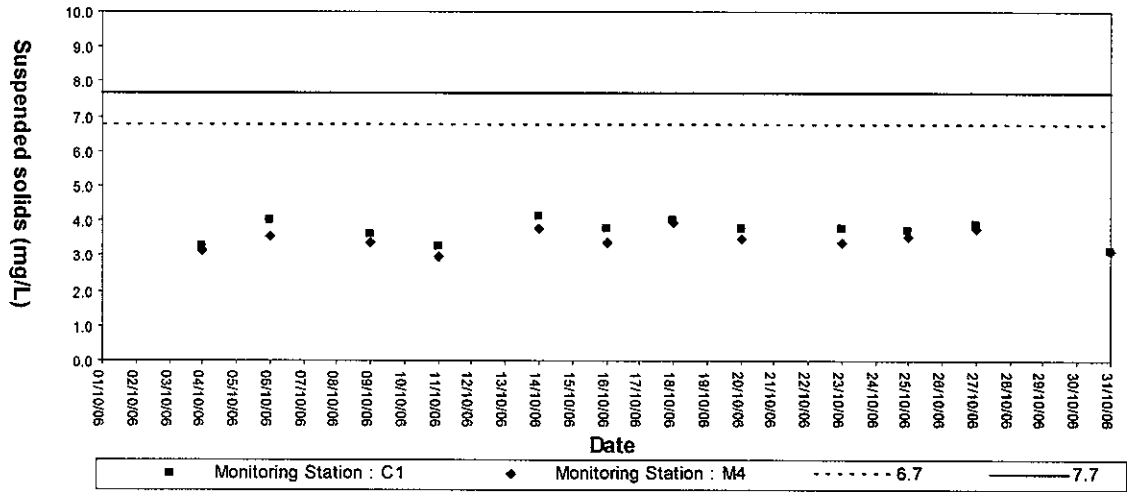


Turbidity (Depth-average) at Mid-Ebb Tide

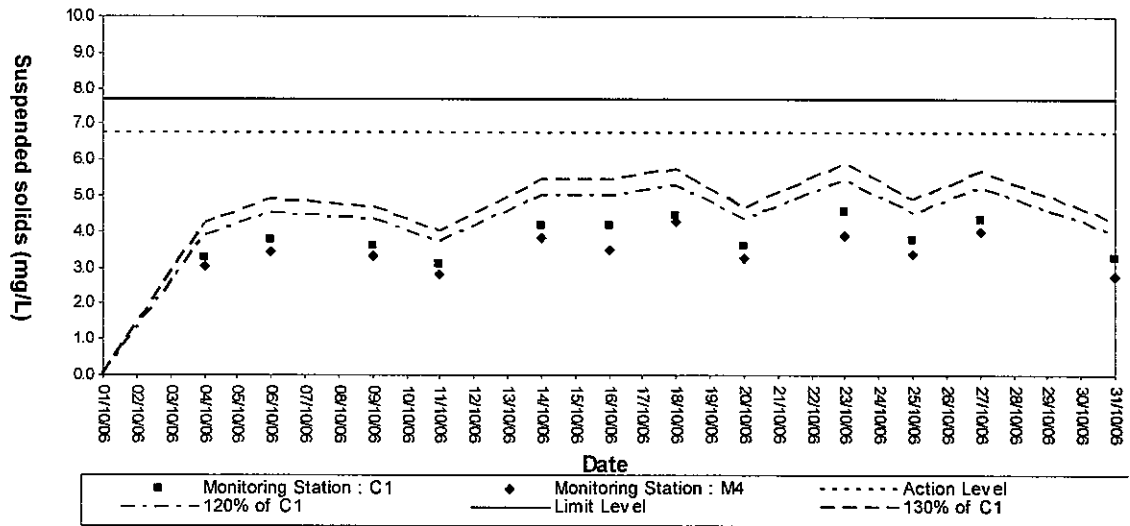




Suspended solids (Depth-average) at Mid-Flood Tide



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



Appendix E

Weather Condition

Appendix E

Weather Condition

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind	Period
		Temp	Temp	Temp	Average	Hi	Direction	
01/10/06	12:00 AM	22.5	22.6	22.2	4.2	6.1	NEE	30
01/10/06	12:30 AM	22.0	22.4	21.7	2.6	4.8	NEE	30
01/10/06	1:00 AM	22.0	22.1	22.0	2.9	3.8	NE	30
01/10/06	1:30 AM	21.9	22.1	21.6	4.2	5.4	NEE	30
01/10/06	2:00 AM	21.8	22.2	21.8	3.3	4.4	NE	30
01/10/06	2:30 AM	21.8	22.1	21.7	3.3	3.5	NE	30
01/10/06	3:00 AM	21.8	22.0	21.6	2.9	4.7	NE	30
01/10/06	3:30 AM	21.7	22.1	21.5	2.9	5.1	NEE	30
01/10/06	4:00 AM	22.0	22.2	21.7	2.2	2.6	NEN	30
01/10/06	4:30 AM	22.2	22.4	21.9	4.2	4.7	NE	30
01/10/06	5:00 AM	22.2	22.5	22.1	3.3	4.7	NE	30
01/10/06	5:30 AM	22.0	22.2	21.9	3.2	3.3	NEE	30
01/10/06	6:00 AM	22.0	22.3	21.9	2.5	4.3	NEE	30
01/10/06	6:30 AM	22.0	22.1	21.9	1.6	1.7	N	30
01/10/06	7:00 AM	22.2	22.3	22.1	1.7	2.7	N	30
01/10/06	7:30 AM	22.4	22.8	22.3	0.7	2.5	NWN	30
01/10/06	8:00 AM	22.6	22.8	22.5	0.2	0.9	N	30
01/10/06	8:30 AM	22.7	23.1	22.7	4.2	6.4	NEE	30
01/10/06	9:00 AM	22.8	23.1	22.5	2.9	4.6	NEE	30
01/10/06	9:30 AM	23.5	23.9	23.2	2.5	3.5	NE	30
01/10/06	10:00 AM	24.2	24.5	24.2	1.7	2.1	NEE	30
01/10/06	10:30 AM	24.4	24.6	24.4	1.7	2.2	NEN	30
01/10/06	11:00 AM	25.4	25.7	25.1	2.5	3.2	NEE	30
01/10/06	11:30 AM	25.2	25.3	24.9	1.9	3.1	NE	30
01/10/06	12:00 PM	25.1	25.2	25.0	2.3	4.6	NE	30
01/10/06	12:30 PM	24.9	25.3	24.7	2.2	4.2	NE	30
01/10/06	1:00 PM	25.2	25.5	25.0	1.7	2.1	N	30
01/10/06	1:30 PM	25.3	25.4	25.0	2.1	2.3	NE	30
01/10/06	2:00 PM	24.9	25.1	24.7	2.4	3.9	NWN	30
01/10/06	2:30 PM	24.4	24.7	24.4	2.5	4.7	N	30
01/10/06	3:00 PM	24.4	24.5	24.2	2.5	3.9	NWN	30
01/10/06	3:30 PM	24.0	24.2	23.9	1.7	3.8	NE	30
01/10/06	4:00 PM	23.9	24.3	23.7	1.7	2.9	NEE	30
01/10/06	4:30 PM	23.6	24.0	23.6	1.5	1.6	NEE	30
01/10/06	5:00 PM	23.6	23.8	23.3	2.9	3.8	NEE	30
01/10/06	5:30 PM	23.9	24.2	23.7	2.5	3.5	N	30
01/10/06	6:00 PM	23.7	23.8	23.5	2.9	4.5	NEE	30
01/10/06	6:30 PM	23.4	23.4	23.4	2.5	2.8	N	30
01/10/06	7:00 PM	23.0	23.0	22.8	2.9	2.9	NEE	30
01/10/06	7:30 PM	23.0	23.4	22.9	2.9	5.0	NEE	30
01/10/06	8:00 PM	23.0	23.4	22.9	3.3	5.6	NEE	30
01/10/06	8:30 PM	23.0	23.3	22.8	1.1	3.0	N	30
01/10/06	9:00 PM	23.0	23.1	22.9	1.2	2.6	N	30
01/10/06	9:30 PM	22.7	22.8	22.6	4.2	5.4	NEE	30
01/10/06	10:00 PM	22.5	22.6	22.5	3.3	4.4	NE	30
01/10/06	10:30 PM	22.0	22.1	22.0	2.1	4.2	NWN	30
01/10/06	11:00 PM	21.4	21.6	21.3	1.7	1.8	NWN	30
01/10/06	11:30 PM	24.0	24.1	23.8	0.1	1.1	SE	30
02/10/06	12:00 AM	23.9	24.2	23.9	0.1	1.4	W	30
02/10/06	12:30 AM	24.0	24.2	23.7	0.2	0.9	W	30
02/10/06	1:00 AM	24.0	24.3	24.0	0.1	0.7	NWW	30
02/10/06	1:30 AM	23.8	24.1	23.5	0.1	1.5	NWWW	30
02/10/06	2:00 AM	23.7	23.8	23.7	1.1	2.8	NW	30
02/10/06	2:30 AM	23.2	23.4	23.0	0.3	0.6	NNW	30
02/10/06	3:00 AM	23.4	23.7	23.3	0.2	2.0	NW	30
02/10/06	3:30 AM	23.4	23.5	23.2	0.6	2.1	NW	30
02/10/06	4:00 AM	23.5	23.5	23.3	0.5	2.0	NNW	30
02/10/06	4:30 AM	23.6	23.9	23.6	1.0	2.4	NWWW	30
02/10/06	5:00 AM	23.6	24.0	23.3	0.9	2.9	NWWW	30
02/10/06	5:30 AM	23.5	23.9	23.3	0.4	2.4	NW	30
02/10/06	6:00 AM	23.5	23.6	23.4	0.3	2.6	NNW	30
02/10/06	6:30 AM	23.6	23.6	23.6	0.6	2.4	SE	30
02/10/06	7:00 AM	24.0	24.4	23.9	0.6	1.7	NEE	30
02/10/06	7:30 AM	24.0	24.3	23.7	0.6	1.3	NNW	30
02/10/06	8:00 AM	24.9	25.0	24.7	2.1	4.0	NNW	30
02/10/06	8:30 AM	26.0	26.1	26.0	1.6	2.6	NNW	30
02/10/06	9:00 AM	26.7	27.0	26.7	2.5	3.5	N	30
02/10/06	9:30 AM	28.0	28.1	27.8	3.1	3.9	NEE	30
02/10/06	10:00 AM	28.0	28.0	27.7	2.8	3.0	NEE	30
02/10/06	10:30 AM	28.7	29.0	28.6	2.3	4.3	N	30
02/10/06	11:00 AM	26.9	27.1	26.6	2.0	3.0	E	30
02/10/06	11:30 AM	26.4	26.8	26.1	3.1	3.9	NEE	30
02/10/06	12:00 PM	26.7	26.8	26.7	1.9	2.4	NEE	30
02/10/06	12:30 PM	27.9	28.0	27.8	2.7	3.0	E	30
02/10/06	1:00 PM	28.2	28.5	28.1	2.3	4.6	NEE	30
02/10/06	1:30 PM	28.9	29.3	28.8	2.2	4.4	NNW	30
02/10/06	2:00 PM	29.5	29.9	29.2	1.7	2.3	NEE	30
02/10/06	2:30 PM	29.2	29.2	28.9	1.7	3.9	E	30
02/10/06	3:00 PM	29.0	29.0	28.7	1.9	2.5	NEE	30
02/10/06	3:30 PM	29.0	29.0	28.9	2.2	3.9	NE	30
02/10/06	4:00 PM	28.6	28.7	28.5	1.9	2.0	NEE	30
02/10/06	4:30 PM	27.9	28.0	27.8	0.6	1.6	NE	30
02/10/06	5:00 PM	27.8	27.9	27.7	1.6	3.8	E	30
02/10/06	5:30 PM	27.0	27.1	26.9	1.1	2.0	E	30
02/10/06	6:00 PM	26.7	26.8	26.5	1.8	2.7	SE	30
02/10/06	6:30 PM	26.6	26.8	26.4	1.7	2.4	SEE	30
02/10/06	7:00 PM	26.2	26.2	25.9	1.1	2.5	SE	30
02/10/06	7:30 PM	26.0	26.1	26.0	0.5	2.1	S	30
02/10/06	8:00 PM	25.9	26.0	25.9	0.3	0.5	SSE	30
02/10/06	8:30 PM	25.6	25.7	25.5	0.8	2.4	NNE	30
02/10/06	9:00 PM	25.0	25.0	25.0	1.1	2.5	NNE	30
02/10/06	9:30 PM	24.9	25.2	24.7	1.1	2.4	NNE	30
02/10/06	10:00 PM	25.0	25.1	24.9	0.1	1.8	N	30
02/10/06	10:30 PM	24.7	25.0	24.6	1.1	2.2	NE	30
02/10/06	11:00 PM	24.7	24.8	24.5	0.6	0.6	N	30
02/10/06	11:30 PM	24.3	24.4	24.2	0.3	2.6	N	30
03/10/06	12:00 AM	24.3	24.6	24.2	0.3	0.5	NW	30
03/10/06	12:30 AM	24.2	24.4	24.1	0.5	2.3	NNE	30
03/10/06	1:00 AM	24.2	24.4	24.2	0.2	0.2	N	30
03/10/06	1:30 AM	24.1	24.4	24.0	0.6	1.5	NNE	30
03/10/06	2:00 AM	24.3	24.4	24.2	0.3	0.7	NEE	30
03/10/06	2:30 AM	24.8	25.1	24.6	0.6	1.1	NE	30
03/10/06	3:00 AM	24.8	25.1	24.8	1.1	1.4	NE	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind Direction	Period
		Temp	Temp	Temp	Average	Hi		
03/10/06	3:30 AM	24.5	24.7	24.3	1.1	1.5	NNE	30
03/10/06	4:00 AM	24.6	24.6	24.5	0.6	2.5	NNE	30
03/10/06	4:30 AM	25.0	25.1	24.8	1.2	2.3	NNE	30
03/10/06	5:00 AM	25.0	25.3	25.0	1.7	2.1	NNE	30
03/10/06	5:30 AM	25.1	25.1	25.0	0.6	2.2	NNE	30
03/10/06	6:00 AM	25.0	25.0	24.8	0.6	2.2	NNE	30
03/10/06	6:30 AM	25.2	25.4	25.0	1.4	1.8	SE	30
03/10/06	7:00 AM	25.2	25.5	25.0	0.3	1.8	SSE	30
03/10/06	7:30 AM	25.0	25.2	24.7	1.1	1.3	NE	30
03/10/06	8:00 AM	24.9	25.0	24.6	0.7	1.6	NEE	30
03/10/06	8:30 AM	24.2	24.3	24.0	2.0	2.3	NEE	30
03/10/06	9:00 AM	24.1	24.4	23.9	0.6	1.8	NNW	30
03/10/06	9:30 AM	25.0	25.3	24.9	0.6	2.6	E	30
03/10/06	10:00 AM	26.0	26.1	25.7	1.1	2.9	N	30
03/10/06	10:30 AM	27.0	27.3	26.7	1.8	2.4	NEE	30
03/10/06	11:00 AM	27.9	27.9	27.8	1.9	4.0	E	30
03/10/06	11:30 AM	29.0	29.0	28.7	2.2	3.7	NEE	30
03/10/06	12:00 PM	29.1	29.2	28.9	2.3	3.1	NEE	30
03/10/06	12:30 PM	29.7	29.7	29.4	2.3	4.3	NE	30
03/10/06	1:00 PM	30.0	30.2	29.7	2.2	3.1	NEE	30
03/10/06	1:30 PM	30.1	30.4	29.8	2.8	3.3	NE	30
03/10/06	2:00 PM	29.7	30.0	29.7	1.7	1.8	S	30
03/10/06	2:30 PM	29.0	29.1	28.7	2.1	3.5	SSW	30
03/10/06	3:00 PM	28.6	28.9	28.5	2.8	3.1	SSW	30
03/10/06	3:30 PM	28.5	28.5	28.5	2.8	4.2	SSW	30
03/10/06	4:00 PM	28.0	28.0	27.8	2.7	3.2	SSW	30
03/10/06	4:30 PM	27.2	27.4	27.0	2.0	4.2	SSW	30
03/10/06	5:00 PM	27.0	27.0	26.9	1.3	3.4	S	30
03/10/06	5:30 PM	26.1	26.5	25.8	0.9	1.8	SW	30
03/10/06	6:00 PM	25.9	26.2	25.8	1.1	2.7	SWW	30
03/10/06	6:30 PM	25.0	25.4	24.8	0.6	2.9	SW	30
03/10/06	7:00 PM	25.0	25.1	25.0	0.2	0.6	SW	30
03/10/06	7:30 PM	24.7	24.7	24.4	0.3	1.1	SW	30
03/10/06	8:00 PM	24.5	24.6	24.4	0.1	2.0	SEE	30
03/10/06	8:30 PM	24.3	24.5	24.2	0.1	1.5	NWW	30
03/10/06	9:00 PM	24.1	24.5	24.0	0.6	0.7	NWW	30
03/10/06	9:30 PM	24.0	24.2	23.9	0.9	3.1	NEE	30
03/10/06	10:00 PM	24.0	24.3	24.0	0.2	0.8	NE	30
03/10/06	10:30 PM	24.0	24.3	23.7	0.3	1.9	SWW	30
03/10/06	11:00 PM	24.0	24.2	23.9	0.1	1.0	SW	30
03/10/06	11:30 PM	24.0	24.4	23.9	0.1	1.5	SE	30
04/10/06	12:00 AM	23.9	24.0	23.6	0.1	2.2	W	30
04/10/06	12:30 AM	24.0	24.0	23.8	0.2	1.9	W	30
04/10/06	1:00 AM	24.0	24.4	23.7	0.1	0.6	NWW	30
04/10/06	1:30 AM	23.8	23.8	23.6	0.1	0.2	NWW	30
04/10/06	2:00 AM	23.7	23.8	23.5	1.1	2.3	NW	30
04/10/06	2:30 AM	23.2	23.3	22.9	0.3	1.0	NNW	30
04/10/06	3:00 AM	23.4	23.8	23.4	0.2	1.8	NW	30
04/10/06	3:30 AM	23.4	23.5	23.3	0.6	1.9	NW	30
04/10/06	4:00 AM	23.5	23.9	23.2	0.5	0.5	NNW	30
04/10/06	4:30 AM	23.6	23.6	23.5	1.0	2.6	NWW	30
04/10/06	5:00 AM	23.6	23.6	23.5	0.9	2.7	NWW	30
04/10/06	5:30 AM	23.5	23.5	23.2	0.4	1.2	NW	30
04/10/06	6:00 AM	23.5	23.5	23.4	0.3	2.5	NNW	30
04/10/06	6:30 AM	23.6	23.9	23.3	0.6	1.8	SE	30
04/10/06	7:00 AM	24.0	24.3	23.8	0.6	2.3	NEE	30
04/10/06	7:30 AM	24.0	24.1	23.9	0.6	1.7	NNW	30
04/10/06	8:00 AM	24.9	25.0	24.7	2.1	3.4	NNW	30
04/10/06	8:30 AM	26.0	26.1	26.0	1.6	1.8	NNW	30
04/10/06	9:00 AM	26.7	27.0	26.5	2.5	3.9	N	30
04/10/06	9:30 AM	28.0	28.0	27.9	3.1	4.8	NEE	30
04/10/06	10:00 AM	28.0	28.3	28.0	2.8	4.7	NEE	30
04/10/06	10:30 AM	28.7	29.1	28.7	2.3	2.3	N	30
04/10/06	11:00 AM	29.0	29.0	29.0	2.8	4.8	NEE	30
04/10/06	11:30 AM	30.0	30.1	29.8	2.8	3.6	NE	30
04/10/06	12:00 PM	30.0	30.1	29.9	2.9	4.3	NNE	30
04/10/06	12:30 PM	30.7	31.0	30.5	2.9	3.6	NEE	30
04/10/06	1:00 PM	30.0	30.1	29.9	2.0	2.1	E	30
04/10/06	1:30 PM	28.5	28.6	28.2	3.3	4.3	SSW	30
04/10/06	2:00 PM	28.4	28.6	28.1	1.7	2.5	SSW	30
04/10/06	2:30 PM	28.0	28.0	27.9	2.4	3.0	SSW	30
04/10/06	3:00 PM	27.2	27.4	27.2	1.9	3.0	SSW	30
04/10/06	3:30 PM	27.0	27.3	26.8	1.7	2.7	SW	30
04/10/06	4:00 PM	27.0	27.3	26.9	2.5	3.1	SSW	30
04/10/06	4:30 PM	27.0	27.2	26.9	1.7	3.0	SSW	30
04/10/06	5:00 PM	26.9	27.2	26.9	1.7	3.2	SSW	30
04/10/06	5:30 PM	26.6	26.8	26.6	1.4	2.1	SSW	30
04/10/06	6:00 PM	25.9	26.0	25.7	0.8	1.7	SSW	30
04/10/06	6:30 PM	25.0	25.3	25.0	0.2	0.7	NEE	30
04/10/06	7:00 PM	25.0	25.3	24.8	1.0	1.6	SW	30
04/10/06	7:30 PM	24.9	25.3	24.6	0.2	1.8	NNW	30
04/10/06	8:00 PM	24.5	24.7	24.2	0.6	1.8	SE	30
04/10/06	8:30 PM	24.7	24.8	24.4	0.6	0.7	SE	30
04/10/06	9:00 PM	24.2	24.3	24.1	0.1	0.5	SE	30
04/10/06	9:30 PM	24.1	24.5	23.9	0.1	0.3	SE	30
04/10/06	10:00 PM	24.0	24.1	23.8	0.3	0.9	SE	30
04/10/06	10:30 PM	23.9	24.2	23.8	0.2	1.0	SE	30
04/10/06	11:00 PM	23.9	24.3	23.7	0.2	1.8	SE	30
04/10/06	11:30 PM	24.0	24.3	23.8	0.1	1.4	SW	30
05/10/06	12:00 AM	23.9	24.1	23.7	0.0	0.1	SW	30
05/10/06	12:30 AM	23.7	24.0	23.6	0.0	1.9	N	30
05/10/06	1:00 AM	23.2	23.3	22.9	0.3	2.1	NWW	30
05/10/06	1:30 AM	23.2	23.4	22.9	0.1	1.7	NW	30
05/10/06	2:00 AM	23.0	23.3	22.9	0.6	0.8	NW	30
05/10/06	2:30 AM	23.0	23.1	22.9	0.3	1.4	NWW	30
05/10/06	3:00 AM	23.0	23.1	22.9	0.3	2.4	NW	30
05/10/06	3:30 AM	22.9	23.2	22.7	0.3	1.3	NW	30
05/10/06	4:00 AM	22.7	23.0	22.4	0.4	2.3	NW	30
05/10/06	4:30 AM	22.5	22.7	22.5	0.3	1.2	NNW	30
05/10/06	5:00 AM	22.5	22.8	22.5	0.4	2.0	NNW	30
05/10/06	5:30 AM	22.2	22.3	22.1	0.9	1.3	NW	30
05/10/06	6:00 AM	22.1	22.5	21.9	0.7	1.9	NW	30
05/10/06	6:30 AM	22.1	22.3	21.9	1.1	3.2	NNW	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind Direction	Period
		Temp	Temp	Temp	Average	Hi		
05/10/06	7:00 AM	22.1	22.1	21.9	1.0	2.6	N	30
05/10/06	7:30 AM	23.0	23.1	22.7	1.1	2.7	NE	30
05/10/06	8:00 AM	24.0	24.3	24.0	2.2	4.1	NEE	30
05/10/06	8:30 AM	25.6	25.7	25.4	1.7	3.6	N	30
05/10/06	9:00 AM	26.8	27.1	26.7	2.2	4.2	NEE	30
05/10/06	9:30 AM	27.5	27.7	27.3	2.3	3.2	NE	30
05/10/06	10:00 AM	28.1	28.3	28.1	3.2	5.4	NEE	30
05/10/06	10:30 AM	28.2	28.4	28.0	2.8	4.1	NEE	30
05/10/06	11:00 AM	28.5	28.6	28.5	2.4	3.9	NE	30
05/10/06	11:30 AM	28.8	28.9	28.6	2.1	2.1	NEE	30
05/10/06	12:00 PM	29.0	29.3	28.9	2.8	3.8	NEE	30
05/10/06	12:30 PM	29.5	29.6	29.4	2.6	3.4	NE	30
05/10/06	1:00 PM	31.0	31.3	30.8	3.1	4.6	E	30
05/10/06	1:30 PM	30.0	30.0	29.8	2.6	3.0	E	30
05/10/06	2:00 PM	30.0	30.0	29.8	1.7	3.6	NE	30
05/10/06	2:30 PM	29.2	29.4	29.1	1.4	1.7	SEE	30
05/10/06	3:00 PM	29.1	29.4	28.9	2.8	4.2	SEE	30
05/10/06	3:30 PM	28.9	29.3	28.7	1.9	2.6	SEE	30
05/10/06	4:00 PM	27.5	27.7	27.2	1.9	2.3	SSW	30
05/10/06	4:30 PM	26.8	26.9	26.5	1.6	3.1	SSW	30
05/10/06	5:00 PM	26.6	26.7	26.4	1.1	3.2	S	30
05/10/06	5:30 PM	26.0	26.3	25.9	1.1	3.1	SSW	30
05/10/06	6:00 PM	25.8	26.0	25.8	0.6	2.8	SEE	30
05/10/06	6:30 PM	24.9	25.2	24.8	0.4	0.7	SSE	30
05/10/06	7:00 PM	24.5	24.5	24.3	0.2	1.0	SSE	30
05/10/06	7:30 PM	24.0	24.1	23.9	0.6	1.1	SEE	30
05/10/06	8:00 PM	23.8	24.0	23.7	0.4	0.9	SE	30
05/10/06	8:30 PM	23.8	24.1	23.7	0.2	1.2	SEE	30
05/10/06	9:00 PM	24.0	24.0	23.9	0.2	1.6	SE	30
05/10/06	9:30 PM	23.5	23.9	23.3	0.8	2.1	SE	30
05/10/06	10:00 PM	23.2	23.3	22.9	0.8	1.3	SEE	30
05/10/06	10:30 PM	23.5	23.7	23.5	0.8	2.6	E	30
05/10/06	11:00 PM	23.4	23.5	23.2	0.3	1.6	E	30
05/10/06	11:30 PM	23.1	23.4	22.8	0.2	0.4	N	30
06/10/06	12:00 AM	23.0	23.1	22.9	0.2	0.9	N	30
06/10/06	12:30 AM	22.9	23.1	22.8	0.2	1.0	NNW	30
06/10/06	1:00 AM	22.9	23.3	22.7	1.1	2.8	NWW	30
06/10/06	1:30 AM	22.8	23.2	22.8	0.6	1.4	NWW	30
06/10/06	2:00 AM	22.9	23.1	22.7	0.6	2.8	N	30
06/10/06	2:30 AM	22.7	23.0	22.7	1.1	2.1	NWW	30
06/10/06	3:00 AM	22.8	22.9	22.6	0.6	1.2	NW	30
06/10/06	3:30 AM	22.8	23.0	22.6	0.6	2.0	NNW	30
06/10/06	4:00 AM	22.5	22.7	22.3	1.3	2.4	NWW	30
06/10/06	4:30 AM	22.2	22.4	22.2	0.3	0.6	NNW	30
06/10/06	5:00 AM	22.2	22.6	22.1	0.6	2.2	NW	30
06/10/06	5:30 AM	22.1	22.1	21.9	0.6	1.4	N	30
06/10/06	6:00 AM	22.1	22.2	22.0	0.6	2.0	NNW	30
06/10/06	6:30 AM	22.0	22.1	21.9	0.6	0.9	NW	30
06/10/06	7:00 AM	22.5	22.9	22.5	0.2	2.0	NNW	30
06/10/06	7:30 AM	23.3	23.6	23.1	0.2	0.8	NEE	30
06/10/06	8:00 AM	24.0	24.1	23.8	1.7	2.2	NE	30
06/10/06	8:30 AM	25.0	25.2	24.9	0.9	2.1	SSE	30
06/10/06	9:00 AM	26.0	26.0	25.8	1.1	2.1	SSE	30
06/10/06	9:30 AM	26.9	27.1	26.7	1.3	2.3	SEE	30
06/10/06	10:00 AM	27.9	28.3	27.9	2.1	3.4	E	30
06/10/06	10:30 AM	28.0	28.4	27.8	2.8	4.4	NEE	30
06/10/06	11:00 AM	28.1	28.3	27.9	2.2	3.2	NEE	30
06/10/06	11:30 AM	28.1	28.4	27.9	2.2	4.1	SESS	30
06/10/06	12:00 PM	28.9	29.0	28.9	1.7	3.6	NEE	30
06/10/06	12:30 PM	29.0	29.1	28.7	2.2	3.1	E	30
06/10/06	1:00 PM	29.1	29.1	28.9	2.5	3.7	E	30
06/10/06	1:30 PM	29.0	29.0	29.0	2.1	2.9	SEE	30
06/10/06	2:00 PM	29.0	29.1	28.8	1.7	1.9	SEE	30
06/10/06	2:30 PM	28.0	28.0	27.9	2.8	3.4	SESS	30
06/10/06	3:00 PM	28.1	28.1	28.0	1.7	2.6	NEN	30
06/10/06	3:30 PM	27.6	27.7	27.3	2.8	4.2	NEN	30
06/10/06	4:00 PM	27.0	27.3	27.0	1.7	3.4	E	30
06/10/06	4:30 PM	26.4	26.6	26.1	0.9	2.1	N	30
06/10/06	5:00 PM	26.0	26.4	25.9	0.9	1.3	NEE	30
06/10/06	5:30 PM	25.0	25.3	24.7	0.3	1.6	N	30
06/10/06	6:00 PM	24.0	24.0	23.9	0.6	2.1	N	30
06/10/06	6:30 PM	23.0	23.0	22.9	0.6	2.0	NEN	30
06/10/06	7:00 PM	23.0	23.3	22.8	0.2	1.1	N	30
06/10/06	7:30 PM	23.0	23.4	22.9	0.6	1.5	NEN	30
06/10/06	8:00 PM	22.9	23.3	22.7	0.6	1.5	NEN	30
06/10/06	8:30 PM	22.9	23.1	22.7	0.7	1.6	NEN	30
06/10/06	9:00 PM	22.8	23.1	22.5	0.6	2.2	N	30
06/10/06	9:30 PM	22.8	22.8	22.6	0.3	0.5	N	30
06/10/06	10:00 PM	22.2	22.4	22.0	0.3	2.4	NWN	30
06/10/06	10:30 PM	22.2	22.5	22.1	0.2	0.2	N	30
06/10/06	11:00 PM	22.2	22.4	22.0	0.6	2.5	NW	30
06/10/06	11:30 PM	22.6	22.9	22.6	0.6	2.4	N	30
07/10/06	12:00 AM	22.4	22.8	22.4	0.8	2.7	N	30
07/10/06	12:30 AM	23.0	23.2	22.8	0.6	1.4	N	30
07/10/06	1:00 AM	23.0	23.1	23.0	0.8	2.3	NWN	30
07/10/06	1:30 AM	23.0	23.1	22.8	0.3	2.4	NW	30
07/10/06	2:00 AM	23.1	23.4	23.0	0.8	1.0	NEN	30
07/10/06	2:30 AM	23.5	23.6	23.3	1.2	2.6	NEN	30
07/10/06	3:00 AM	23.1	23.4	23.0	1.1	1.4	NEN	30
07/10/06	3:30 AM	23.0	23.1	22.8	1.1	2.8	NWN	30
07/10/06	4:00 AM	23.0	23.4	22.9	0.2	1.2	W	30
07/10/06	4:30 AM	22.8	22.8	22.7	0.8	2.7	NWN	30
07/10/06	5:00 AM	22.3	22.5	22.1	1.0	2.0	NWN	30
07/10/06	5:30 AM	22.0	22.4	22.0	0.9	1.9	NWN	30
07/10/06	6:00 AM	21.5	21.6	21.2	0.8	3.0	NWN	30
07/10/06	6:30 AM	21.2	21.3	21.2	0.2	1.5	N	30
07/10/06	7:00 AM	21.6	22.0	21.5	0.2	1.7	N	30
07/10/06	7:30 AM	23.0	23.1	22.9	0.2	1.6	NEE	30
07/10/06	8:00 AM	24.0	24.2	23.9	1.8	2.6	NEE	30
07/10/06	8:30 AM	24.9	25.1	24.6	1.1	1.2	NEE	30
07/10/06	9:00 AM	25.0	25.1	24.9	1.1	3.4	NE	30
07/10/06	9:30 AM	26.2	26.4	26.2	2.2	3.5	NEN	30
07/10/06	10:00 AM	27.2	27.5	27.2	2.2	3.4	NE	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind Direction	Period
		Temp	Temp	Temp	Average	Hi		
07/10/06	10:30 AM	28.5	28.8	28.4	2.8	3.6	E	30
07/10/06	11:00 AM	28.5	28.7	28.2	2.5	3.5	NEN	30
07/10/06	11:30 AM	28.4	28.6	28.2	2.5	4.2	E	30
07/10/06	12:00 PM	29.0	29.4	28.9	2.7	3.9	NEE	30
07/10/06	12:30 PM	29.0	29.3	28.8	2.9	3.1	E	30
07/10/06	1:00 PM	28.4	28.8	28.3	2.6	3.6	E	30
07/10/06	1:30 PM	28.5	28.6	28.4	2.5	4.8	E	30
07/10/06	2:00 PM	29.0	29.3	28.8	3.4	5.6	E	30
07/10/06	2:30 PM	28.5	28.9	28.5	2.1	3.5	E	30
07/10/06	3:00 PM	28.5	28.6	28.5	1.7	3.5	NE	30
07/10/06	3:30 PM	28.4	28.7	28.3	1.6	3.2	NEN	30
07/10/06	4:00 PM	28.0	28.1	28.0	1.7	2.3	SE	30
07/10/06	4:30 PM	27.5	27.7	27.4	1.3	1.3	SEE	30
07/10/06	5:00 PM	27.2	27.4	27.1	1.2	2.4	SEE	30
07/10/06	5:30 PM	26.5	26.8	26.5	1.7	2.5	SES	30
07/10/06	6:00 PM	26.2	26.2	26.2	0.8	2.1	SE	30
07/10/06	6:30 PM	25.0	25.1	24.8	0.8	2.3	NEN	30
07/10/06	7:00 PM	24.6	24.8	24.6	1.7	1.9	NE	30
07/10/06	7:30 PM	24.5	24.9	24.3	0.8	1.5	N	30
07/10/06	8:00 PM	24.3	24.7	24.1	1.7	2.0	NEN	30
07/10/06	8:30 PM	24.5	24.6	24.3	1.6	2.0	N	30
07/10/06	9:00 PM	24.0	24.3	23.7	1.7	3.9	NEN	30
07/10/06	9:30 PM	24.3	24.3	24.3	1.7	3.5	NE	30
07/10/06	10:00 PM	24.0	24.3	23.9	1.8	3.0	NEN	30
07/10/06	10:30 PM	24.2	24.6	24.1	1.4	2.9	NEN	30
07/10/06	11:00 PM	24.5	24.8	24.5	2.2	2.3	NEN	30
07/10/06	11:30 PM	24.6	24.7	24.6	2.1	3.1	NEN	30
08/10/06	12:00 AM	24.6	24.6	24.3	2.7	4.8	NEN	30
08/10/06	12:30 AM	24.6	24.7	24.6	2.9	4.7	NEN	30
08/10/06	1:00 AM	24.6	24.8	24.6	3.3	3.4	NEN	30
08/10/06	1:30 AM	24.5	24.7	24.4	2.5	3.2	NEN	30
08/10/06	2:00 AM	24.5	24.5	24.3	3.4	3.9	NEN	30
08/10/06	2:30 AM	24.4	24.5	24.1	1.7	2.5	NEN	30
08/10/06	3:00 AM	24.2	24.6	24.2	2.9	4.8	NEN	30
08/10/06	3:30 AM	24.5	24.9	24.3	3.3	5.5	NEN	30
08/10/06	4:00 AM	24.5	24.6	24.5	3.6	4.6	NEN	30
08/10/06	4:30 AM	24.5	24.9	24.2	4.2	4.4	NEN	30
08/10/06	5:00 AM	24.5	24.7	24.3	1.7	3.7	N	30
08/10/06	5:30 AM	24.0	24.3	24.0	1.8	3.0	N	30
08/10/06	6:00 AM	24.0	24.4	23.9	2.1	2.5	NEN	30
08/10/06	6:30 AM	23.8	23.9	23.7	1.7	1.9	N	30
08/10/06	7:00 AM	24.0	24.1	23.7	1.7	3.1	N	30
08/10/06	7:30 AM	24.5	24.5	24.5	1.7	3.1	NE	30
08/10/06	8:00 AM	25.2	25.2	25.1	2.1	3.0	NE	30
08/10/06	8:30 AM	26.0	26.2	26.0	2.9	3.0	NEN	30
08/10/06	9:00 AM	26.5	26.5	26.4	2.6	4.8	E	30
08/10/06	9:30 AM	26.6	26.6	26.3	2.5	3.0	NEE	30
08/10/06	10:00 AM	26.8	26.9	26.6	2.1	3.2	NEN	30
08/10/06	10:30 AM	28.0	28.0	27.8	1.7	2.4	NEE	30
08/10/06	11:00 AM	28.4	28.6	28.3	1.9	3.7	E	30
08/10/06	11:30 AM	27.7	28.0	27.6	3.3	4.0	NNE	30
08/10/06	12:00 PM	28.3	28.7	28.3	3.0	4.4	E	30
08/10/06	12:30 PM	28.2	28.3	28.1	2.9	3.4	NEE	30
08/10/06	1:00 PM	28.5	28.8	28.3	2.9	3.3	NE	30
08/10/06	1:30 PM	27.8	27.9	27.7	2.2	2.8	SEE	30
08/10/06	2:00 PM	27.8	27.8	27.6	2.0	3.7	SEE	30
08/10/06	2:30 PM	27.2	27.2	27.1	2.0	3.6	NE	30
08/10/06	3:00 PM	27.0	27.0	27.0	2.2	3.7	SE	30
08/10/06	3:30 PM	27.0	27.3	27.0	2.2	3.4	SEE	30
08/10/06	4:00 PM	27.0	27.3	26.9	2.4	2.4	SEE	30
08/10/06	4:30 PM	26.9	26.9	26.8	2.0	2.1	SEE	30
08/10/06	5:00 PM	26.5	26.8	26.3	1.6	3.4	SE	30
08/10/06	5:30 PM	26.1	26.5	26.0	1.3	1.5	SSE	30
08/10/06	6:00 PM	25.9	25.9	25.6	1.7	2.4	SSE	30
08/10/06	6:30 PM	25.6	25.7	25.5	1.3	1.9	SSE	30
08/10/06	7:00 PM	25.5	25.8	25.4	1.1	1.8	SSE	30
08/10/06	7:30 PM	25.2	25.5	25.0	0.7	0.7	SSE	30
08/10/06	8:00 PM	25.2	25.3	25.0	1.1	2.1	SSE	30
08/10/06	8:30 PM	25.0	25.3	24.9	0.9	1.5	SSE	30
08/10/06	9:00 PM	24.0	24.3	24.0	0.2	1.5	NNE	30
08/10/06	9:30 PM	23.5	23.7	23.5	1.1	2.9	NE	30
08/10/06	10:00 PM	23.5	23.6	23.5	0.6	1.9	E	30
08/10/06	10:30 PM	23.1	23.3	23.0	0.3	1.2	SSE	30
08/10/06	11:00 PM	22.9	23.3	22.8	0.6	1.2	SE	30
08/10/06	11:30 PM	23.0	23.2	22.9	0.9	2.2	NEE	30
09/10/06	12:00 AM	23.0	23.0	22.9	0.5	2.6	NNE	30
09/10/06	12:30 AM	22.8	22.8	22.7	0.1	0.3	N	30
09/10/06	1:00 AM	22.8	22.9	22.7	0.1	0.3	SEE	30
09/10/06	1:30 AM	22.8	22.9	22.7	0.1	2.4	N	30
09/10/06	2:00 AM	23.0	23.3	22.8	0.3	0.3	NE	30
09/10/06	2:30 AM	22.8	22.9	22.6	0.6	1.5	N	30
09/10/06	3:00 AM	22.8	22.9	22.7	0.2	1.3	N	30
09/10/06	3:30 AM	22.8	23.1	22.6	0.6	2.6	NEE	30
09/10/06	4:00 AM	23.0	23.3	22.9	0.6	2.4	N	30
09/10/06	4:30 AM	23.0	23.4	22.7	0.6	0.9	NE	30
09/10/06	5:00 AM	22.9	22.9	22.6	0.1	2.3	N	30
09/10/06	5:30 AM	22.7	22.8	22.6	0.4	0.7	NNE	30
09/10/06	6:00 AM	22.8	23.2	22.6	0.6	2.4	N	30
09/10/06	6:30 AM	22.8	22.9	22.6	0.6	2.5	NNW	30
09/10/06	7:00 AM	23.0	23.3	22.9	0.3	0.3	N	30
09/10/06	7:30 AM	23.5	23.7	23.4	0.2	2.2	S	30
09/10/06	8:00 AM	24.5	24.8	24.2	0.6	2.1	NE	30
09/10/06	8:30 AM	24.7	25.1	24.5	1.7	3.9	NNE	30
09/10/06	9:00 AM	24.8	25.0	24.5	1.6	3.6	NNE	30
09/10/06	9:30 AM	25.0	25.2	24.8	2.0	3.7	NNE	30
09/10/06	10:00 AM	25.1	25.1	25.0	2.0	4.2	NNE	30
09/10/06	10:30 AM	25.0	25.1	24.7	1.8	1.9	NEE	30
09/10/06	11:00 AM	25.4	25.6	25.4	1.1	2.9	E	30
09/10/06	11:30 AM	25.4	25.5	25.2	1.9	2.7	NE	30
09/10/06	12:00 PM	25.8	26.1	25.7	2.1	2.1	NE	30
09/10/06	12:30 PM	26.1	26.2	25.9	2.0	3.2	NEE	30
09/10/06	1:00 PM	25.8	26.1	25.8	2.7	4.3	NEE	30
09/10/06	1:30 PM	25.8	25.8	25.8	2.5	3.6	NE	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind Direction	Period
		Temp	Temp	Temp	Average	Hi		
09/10/06	2:00 PM	25.6	25.8	25.6	2.2	3.5	NNE	30
09/10/06	2:30 PM	25.3	25.4	25.0	1.7	3.0	NE	30
09/10/06	3:00 PM	25.2	25.5	25.0	2.2	4.2	NE	30
09/10/06	3:30 PM	25.1	25.3	25.1	2.2	4.2	NE	30
09/10/06	4:00 PM	25.0	25.1	24.7	1.9	2.7	N	30
09/10/06	4:30 PM	24.8	25.1	24.6	1.7	3.5	N	30
09/10/06	5:00 PM	24.1	24.5	23.9	1.7	3.7	N	30
09/10/06	5:30 PM	23.6	23.7	23.5	2.2	3.4	NNE	30
09/10/06	6:00 PM	23.3	23.4	23.2	1.4	1.6	NNW	30
09/10/06	6:30 PM	23.0	23.1	22.8	1.1	2.6	NNW	30
09/10/06	7:00 PM	23.0	23.2	22.9	0.6	2.0	NNW	30
09/10/06	7:30 PM	22.9	23.1	22.8	0.5	2.2	NNE	30
09/10/06	8:00 PM	22.8	23.0	22.6	0.4	0.5	SWW	30
09/10/06	8:30 PM	22.6	22.6	22.3	0.3	1.3	NNW	30
09/10/06	9:00 PM	22.5	22.5	22.3	0.2	0.6	NW	30
09/10/06	9:30 PM	22.4	22.7	22.2	0.4	1.9	NWW	30
09/10/06	10:00 PM	22.4	22.5	22.4	0.2	1.8	NNW	30
09/10/06	10:30 PM	22.5	22.8	22.4	0.8	0.9	NNW	30
09/10/06	11:00 PM	22.6	22.6	22.4	0.9	2.7	NNW	30
09/10/06	11:30 PM	22.4	22.4	22.1	0.9	3.2	NNW	30
10/10/06	12:00 AM	22.4	22.7	22.4	0.3	2.2	NNW	30
10/10/06	12:30 AM	22.2	22.6	22.0	0.5	0.7	NNW	30
10/10/06	1:00 AM	22.6	23.0	22.4	0.6	2.0	NNW	30
10/10/06	1:30 AM	22.7	22.9	22.4	0.2	1.6	NNW	30
10/10/06	2:00 AM	22.9	23.2	22.7	0.2	0.7	NNW	30
10/10/06	2:30 AM	23.0	23.3	22.7	0.4	1.1	NNW	30
10/10/06	3:00 AM	23.0	23.2	22.8	0.2	1.9	N	30
10/10/06	3:30 AM	23.0	23.3	22.9	0.2	2.1	NNW	30
10/10/06	4:00 AM	23.0	23.0	22.8	0.2	1.1	NW	30
10/10/06	4:30 AM	22.9	23.2	22.8	0.2	0.9	NNW	30
10/10/06	5:00 AM	22.5	22.7	22.4	0.3	1.5	NNW	30
10/10/06	5:30 AM	22.0	22.3	21.9	0.5	1.9	NNW	30
10/10/06	6:00 AM	22.0	22.4	21.9	0.3	0.9	NNW	30
10/10/06	6:30 AM	22.0	22.0	22.0	0.3	2.4	NNW	30
10/10/06	7:00 AM	22.0	22.2	22.0	0.3	1.9	N	30
10/10/06	7:30 AM	23.0	23.0	22.9	0.0	0.3	NEE	30
10/10/06	8:00 AM	24.0	24.1	23.9	1.1	2.2	E	30
10/10/06	8:30 AM	25.5	25.8	25.3	1.4	3.3	NEE	30
10/10/06	9:00 AM	26.0	26.1	26.0	2.0	3.1	NE	30
10/10/06	9:30 AM	26.7	26.9	26.5	2.2	2.5	NNE	30
10/10/06	10:00 AM	27.2	27.2	27.1	2.2	3.4	E	30
10/10/06	10:30 AM	27.8	27.9	27.5	2.8	4.7	NNE	30
10/10/06	11:00 AM	29.7	30.0	29.4	1.8	2.7	NEN	30
10/10/06	11:30 AM	29.9	30.2	29.6	2.1	2.4	N	30
10/10/06	12:00 PM	29.9	30.2	29.9	1.4	1.5	N	30
10/10/06	12:30 PM	30.0	30.3	29.9	1.9	2.7	N	30
10/10/06	1:00 PM	29.9	30.0	29.7	2.6	4.5	N	30
10/10/06	1:30 PM	29.6	29.7	29.3	2.0	2.1	N	30
10/10/06	2:00 PM	29.5	29.7	29.2	2.5	3.4	NEE	30
10/10/06	2:30 PM	29.5	29.8	29.5	1.8	3.3	NE	30
10/10/06	3:00 PM	29.0	29.3	28.8	2.0	4.0	E	30
10/10/06	3:30 PM	28.7	28.9	28.5	3.5	5.2	E	30
10/10/06	4:00 PM	28.6	28.7	28.5	2.6	4.3	E	30
10/10/06	4:30 PM	28.7	28.8	28.5	2.4	4.4	E	30
10/10/06	5:00 PM	28.2	28.3	28.0	1.2	2.4	NE	30
10/10/06	5:30 PM	27.3	27.6	27.2	1.6	2.8	NE	30
10/10/06	6:00 PM	27.0	27.1	27.0	1.4	3.3	NE	30
10/10/06	6:30 PM	26.7	26.9	26.7	1.9	3.2	E	30
10/10/06	7:00 PM	26.5	26.8	26.4	2.5	3.1	E	30
10/10/06	7:30 PM	26.3	26.6	26.0	2.3	2.8	E	30
10/10/06	8:00 PM	26.0	26.2	25.8	2.7	4.5	NE	30
10/10/06	8:30 PM	26.1	26.2	25.9	2.1	2.1	E	30
10/10/06	9:00 PM	26.0	26.1	25.9	2.9	3.3	E	30
10/10/06	9:30 PM	25.8	26.2	25.5	1.9	2.6	NEE	30
10/10/06	10:00 PM	25.6	25.7	25.5	2.0	3.6	NEE	30
10/10/06	10:30 PM	25.4	25.5	25.4	1.8	2.1	NE	30
10/10/06	11:00 PM	25.5	25.5	25.4	1.5	2.2	NE	30
10/10/06	11:30 PM	25.1	25.4	24.9	1.7	2.0	NE	30
11/10/06	12:00 AM	25.0	25.2	25.0	2.5	4.1	NE	30
11/10/06	12:30 AM	24.8	25.0	24.8	2.9	4.5	E	30
11/10/06	1:00 AM	24.6	24.6	24.3	2.1	4.3	E	30
11/10/06	1:30 AM	24.5	24.9	24.3	2.1	4.1	E	30
11/10/06	2:00 AM	24.4	24.5	24.4	1.9	2.4	E	30
11/10/06	2:30 AM	24.5	24.8	24.2	2.3	2.8	E	30
11/10/06	3:00 AM	24.3	24.3	24.2	2.7	4.5	NEE	30
11/10/06	3:30 AM	24.2	24.3	23.9	2.3	3.2	NEE	30
11/10/06	4:00 AM	24.3	24.6	24.0	2.4	4.4	NE	30
11/10/06	4:30 AM	24.2	24.2	24.2	2.5	2.7	NEE	30
11/10/06	5:00 AM	24.1	24.4	24.0	1.6	1.8	N	30
11/10/06	5:30 AM	24.3	24.4	24.1	2.4	2.5	NE	30
11/10/06	6:00 AM	24.4	24.6	24.3	2.8	4.5	E	30
11/10/06	6:30 AM	24.6	24.6	24.5	2.1	3.6	E	30
11/10/06	7:00 AM	24.8	24.8	24.5	2.5	3.2	E	30
11/10/06	7:30 AM	25.0	25.3	25.0	1.8	3.5	E	30
11/10/06	8:00 AM	25.2	25.2	24.9	2.5	3.5	NE	30
11/10/06	8:30 AM	25.2	25.2	25.1	2.1	3.1	E	30
11/10/06	9:00 AM	25.8	26.0	25.8	2.9	5.0	E	30
11/10/06	9:30 AM	25.7	25.7	25.6	2.1	4.1	E	30
11/10/06	10:00 AM	28.8	29.1	28.6	1.2	2.4	SEE	30
11/10/06	10:30 AM	29.0	29.2	28.7	2.5	4.0	NEE	30
11/10/06	11:00 AM	29.2	29.5	29.0	2.1	2.2	NE	30
11/10/06	11:30 AM	29.4	29.6	29.4	2.0	2.6	NEE	30
11/10/06	12:00 PM	29.6	29.8	29.3	2.0	2.0	NEE	30
11/10/06	12:30 PM	30.2	30.4	30.1	2.3	3.6	E	30
11/10/06	1:00 PM	30.4	30.7	30.3	2.3	4.1	NE	30
11/10/06	1:30 PM	30.0	30.2	29.8	2.7	3.3	NEE	30
11/10/06	2:00 PM	30.0	30.3	29.7	1.4	3.4	NE	30
11/10/06	2:30 PM	30.5	30.6	30.3	1.7	1.7	NE	30
11/10/06	3:00 PM	29.7	29.8	29.5	1.7	3.3	SEE	30
11/10/06	3:30 PM	28.5	28.7	28.4	2.3	3.2	NE	30
11/10/06	4:00 PM	28.0	28.4	27.8	1.2	1.3	SEE	30
11/10/06	4:30 PM	27.5	27.8	27.5	1.1	3.1	SE	30
11/10/06	5:00 PM	27.0	27.2	26.7	1.5	2.4	SSE	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind Direction	Period
		Temp	Temp	Temp	Average	Hi		
11/10/06	5:30 PM	26.5	26.6	26.4	1.1	2.9	SE	30
11/10/06	6:00 PM	26.0	26.0	25.8	0.9	2.4	E	30
11/10/06	6:30 PM	25.7	25.8	25.4	0.6	0.8	SSSE	30
11/10/06	7:00 PM	25.0	25.3	24.8	0.6	2.8	NEE	30
11/10/06	7:30 PM	25.0	25.0	24.8	0.6	2.4	NE	30
11/10/06	8:00 PM	24.5	24.7	24.2	1.4	1.6	NNE	30
11/10/06	8:30 PM	24.6	24.8	24.4	1.0	2.8	NNE	30
11/10/06	9:00 PM	24.2	24.3	24.0	0.6	2.0	NNE	30
11/10/06	9:30 PM	24.0	24.0	23.9	1.7	3.6	NNE	30
11/10/06	10:00 PM	24.2	24.4	23.9	1.7	2.8	NE	30
11/10/06	10:30 PM	24.0	24.3	24.0	0.6	0.9	NNE	30
11/10/06	11:00 PM	24.3	24.7	24.1	1.1	2.3	NE	30
11/10/06	11:30 PM	24.5	24.7	24.4	1.7	2.1	NNE	30
12/10/06	12:00 AM	24.6	24.7	24.4	0.2	1.9	NEE	30
12/10/06	12:30 AM	24.2	24.3	24.1	1.1	2.1	N	30
12/10/06	1:00 AM	24.2	24.3	24.1	0.3	2.3	N	30
12/10/06	1:30 AM	24.2	24.5	24.0	0.3	2.0	SEE	30
12/10/06	2:00 AM	24.1	24.2	24.0	0.6	2.1	NE	30
12/10/06	2:30 AM	23.9	24.0	23.7	1.4	2.0	NNE	30
12/10/06	3:00 AM	24.0	24.1	23.7	0.6	0.8	NEE	30
12/10/06	3:30 AM	24.2	24.4	24.1	0.6	2.3	NE	30
12/10/06	4:00 AM	23.9	24.2	23.6	1.1	1.5	NNE	30
12/10/06	4:30 AM	23.2	23.3	23.0	0.9	2.1	NNW	30
12/10/06	5:00 AM	23.2	23.6	23.1	0.9	3.0	NNW	30
12/10/06	5:30 AM	23.5	23.6	23.4	1.1	1.5	N	30
12/10/06	6:00 AM	23.2	23.2	22.9	0.7	2.4	NNW	30
12/10/06	6:30 AM	23.2	23.6	23.1	0.6	1.0	N	30
12/10/06	7:00 AM	23.5	23.7	23.5	0.8	2.6	NNW	30
12/10/06	7:30 AM	24.0	24.2	23.7	1.1	1.2	NNW	30
12/10/06	8:00 AM	25.0	25.2	24.7	2.2	3.6	NE	30
12/10/06	8:30 AM	26.5	26.5	26.3	1.1	3.1	NE	30
12/10/06	9:00 AM	27.6	27.6	27.4	1.4	3.0	N	30
12/10/06	9:30 AM	28.2	28.5	28.0	2.2	3.4	NNE	30
12/10/06	10:00 AM	29.2	29.2	28.9	2.2	3.7	NEE	30
12/10/06	10:30 AM	28.9	29.0	28.7	2.8	3.0	NEE	30
12/10/06	11:00 AM	28.9	29.1	28.6	3.1	4.5	SEE	30
12/10/06	11:30 AM	28.8	28.8	28.7	2.7	4.1	NE	30
12/10/06	12:00 PM	29.0	29.4	28.8	2.8	4.4	NEE	30
12/10/06	12:30 PM	29.2	29.4	29.1	2.2	3.4	NEE	30
12/10/06	1:00 PM	29.0	29.3	28.8	3.0	3.8	SEE	30
12/10/06	1:30 PM	29.0	29.0	28.8	1.7	1.9	NE	30
12/10/06	2:00 PM	29.1	29.3	28.9	1.7	3.7	NNE	30
12/10/06	2:30 PM	28.9	29.2	28.6	2.5	2.8	NEE	30
12/10/06	3:00 PM	28.5	28.8	28.5	2.2	2.7	SEE	30
12/10/06	3:30 PM	28.0	28.1	27.8	2.6	4.5	NE	30
12/10/06	4:00 PM	27.2	27.5	27.0	2.2	4.0	SE	30
12/10/06	4:30 PM	26.5	26.7	26.5	2.0	3.2	SSE	30
12/10/06	5:00 PM	26.4	26.6	26.4	0.9	1.7	N	30
12/10/06	5:30 PM	26.0	26.0	25.7	1.4	3.0	NNE	30
12/10/06	6:00 PM	25.4	25.7	25.2	1.3	3.5	E	30
12/10/06	6:30 PM	25.0	25.1	24.9	0.7	2.5	SSSE	30
12/10/06	7:00 PM	25.2	25.5	25.1	1.1	2.5	SSE	30
12/10/06	7:30 PM	24.9	24.9	24.9	0.9	1.2	SEE	30
12/10/06	8:00 PM	24.2	24.3	24.0	0.7	1.3	NEE	30
12/10/06	8:30 PM	24.8	25.0	24.6	0.6	2.8	NNE	30
12/10/06	9:00 PM	25.1	25.2	24.9	1.1	2.7	NNE	30
12/10/06	9:30 PM	25.0	25.2	24.8	2.1	3.1	NNE	30
12/10/06	10:00 PM	24.3	24.6	24.2	1.7	2.1	NNE	30
12/10/06	10:30 PM	24.4	24.5	24.3	2.2	3.5	NNE	30
12/10/06	11:00 PM	24.5	24.5	24.3	2.2	4.1	NNE	30
12/10/06	11:30 PM	24.4	24.7	24.4	1.2	3.4	NNE	30
13/10/06	12:00 AM	24.3	24.5	24.1	2.3	3.4	NNE	30
13/10/06	12:30 AM	24.7	24.9	24.6	2.2	3.4	NNE	30
13/10/06	1:00 AM	24.8	24.9	24.7	1.6	2.8	N	30
13/10/06	1:30 AM	24.7	24.8	24.6	1.7	1.9	NNE	30
13/10/06	2:00 AM	24.7	25.1	24.5	1.9	2.4	NNE	30
13/10/06	2:30 AM	24.6	24.8	24.4	2.4	4.4	NNE	30
13/10/06	3:00 AM	24.6	24.8	24.5	2.2	3.9	NNE	30
13/10/06	3:30 AM	25.0	25.3	24.7	0.8	3.0	N	30
13/10/06	4:00 AM	25.0	25.1	25.0	0.6	0.9	NE	30
13/10/06	4:30 AM	25.0	25.3	24.7	0.6	1.5	SE	30
13/10/06	5:00 AM	25.0	25.2	25.0	1.1	2.3	N	30
13/10/06	5:30 AM	25.0	25.1	24.8	1.6	2.4	NEE	30
13/10/06	6:00 AM	25.0	25.3	24.8	1.1	1.5	SEE	30
13/10/06	6:30 AM	24.9	25.0	24.8	1.6	2.4	NNE	30
13/10/06	7:00 AM	24.9	25.3	24.7	1.4	2.5	NNE	30
13/10/06	7:30 AM	25.1	25.2	24.9	1.8	3.3	NE	30
13/10/06	8:00 AM	25.6	25.9	25.5	0.6	0.6	NNE	30
13/10/06	8:30 AM	26.0	26.2	25.7	1.4	2.0	NNE	30
13/10/06	9:00 AM	26.9	27.0	26.9	1.7	2.5	E	30
13/10/06	9:30 AM	27.2	27.4	27.2	2.8	4.0	NE	30
13/10/06	10:00 AM	28.0	28.3	27.7	3.2	3.5	NEE	30
13/10/06	10:30 AM	28.0	28.1	27.8	2.8	4.2	NEE	30
13/10/06	11:00 AM	26.5	26.8	26.5	2.9	3.5	NEE	30
13/10/06	11:30 AM	26.9	26.9	26.9	3.6	4.8	NE	30
13/10/06	12:00 PM	27.2	27.6	27.2	3.1	3.3	NE	30
13/10/06	12:30 PM	27.3	27.4	27.2	3.5	3.8	NE	30
13/10/06	1:00 PM	27.2	27.4	26.9	2.1	2.5	NEE	30
13/10/06	1:30 PM	27.1	27.5	27.0	2.9	3.3	NEE	30
13/10/06	2:00 PM	27.0	27.0	26.9	2.5	4.7	N	30
13/10/06	2:30 PM	27.0	27.0	26.7	1.8	2.3	NE	30
13/10/06	3:00 PM	26.8	27.0	26.5	2.6	4.1	N	30
13/10/06	3:30 PM	26.8	27.1	26.6	2.4	4.2	NE	30
13/10/06	4:00 PM	26.9	27.1	26.8	2.9	3.2	NE	30
13/10/06	4:30 PM	26.7	27.0	26.5	2.1	4.4	NE	30
13/10/06	5:00 PM	26.7	26.8	26.7	1.8	2.1	E	30
13/10/06	5:30 PM	26.5	26.7	26.4	1.3	2.7	E	30
13/10/06	6:00 PM	26.1	26.2	25.9	1.1	2.8	E	30
13/10/06	6:30 PM	25.8	26.0	25.5	1.9	2.9	E	30
13/10/06	7:00 PM	25.9	26.2	25.7	2.4	2.9	E	30
13/10/06	7:30 PM	25.8	26.0	25.5	2.8	4.6	NE	30
13/10/06	8:00 PM	25.7	25.9	25.6	2.5	3.3	NE	30
13/10/06	8:30 PM	25.6	25.9	25.6	3.2	3.8	E	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind Direction	Period
		Temp	Temp	Temp	Average	Hi		
13/10/06	9:00 PM	25.7	26.0	25.6	2.9	3.5	NE	30
13/10/06	9:30 PM	25.6	25.9	25.5	1.5	3.2	NE	30
13/10/06	10:00 PM	25.4	25.5	25.4	2.2	3.0	NE	30
13/10/06	10:30 PM	25.4	25.6	25.4	1.6	2.3	NEE	30
13/10/06	11:00 PM	25.4	25.7	25.3	2.5	3.5	NEE	30
13/10/06	11:30 PM	25.4	25.6	25.1	2.0	2.6	E	30
14/10/06	12:00 AM	25.3	25.6	25.2	2.9	4.8	E	30
14/10/06	12:30 AM	25.3	25.6	25.1	1.8	2.0	E	30
14/10/06	1:00 AM	25.3	25.6	25.0	2.5	3.6	E	30
14/10/06	1:30 AM	25.4	25.8	25.2	2.1	2.9	E	30
14/10/06	2:00 AM	25.3	25.6	25.0	2.9	3.4	NEE	30
14/10/06	2:30 AM	25.3	25.3	25.2	2.1	4.3	NEE	30
14/10/06	3:00 AM	25.2	25.3	24.9	1.9	2.8	NE	30
14/10/06	3:30 AM	25.1	25.3	25.1	2.4	3.1	NE	30
14/10/06	4:00 AM	25.1	25.2	24.8	2.9	3.0	NE	30
14/10/06	4:30 AM	25.1	25.4	25.0	1.2	1.5	NEE	30
14/10/06	5:00 AM	25.0	25.1	24.8	1.9	3.1	E	30
14/10/06	5:30 AM	25.0	25.3	24.7	2.1	2.4	E	30
14/10/06	6:00 AM	25.2	25.5	25.1	2.9	3.3	E	30
14/10/06	6:30 AM	25.6	25.8	25.4	1.3	2.1	E	30
14/10/06	7:00 AM	25.9	26.2	25.8	1.9	2.9	E	30
14/10/06	7:30 AM	26.0	26.1	25.9	2.9	4.3	E	30
14/10/06	8:00 AM	26.2	26.4	26.0	3.5	4.8	E	30
14/10/06	8:30 AM	26.4	26.7	26.2	3.1	4.8	E	30
14/10/06	9:00 AM	26.7	26.8	26.4	1.9	3.9	NEE	30
14/10/06	9:30 AM	26.9	27.2	26.7	2.5	4.4	NEE	30
14/10/06	10:00 AM	27.0	27.3	26.9	2.9	4.0	NEE	30
14/10/06	10:30 AM	27.1	27.5	26.9	1.2	2.8	NE	30
14/10/06	11:00 AM	27.1	27.4	26.8	1.9	4.1	NE	30
14/10/06	11:30 AM	27.2	27.6	26.9	3.5	3.5	N	30
14/10/06	12:00 PM	27.2	27.3	27.2	4.2	4.8	NEE	30
14/10/06	12:30 PM	27.0	27.3	26.8	3.5	4.2	NE	30
14/10/06	1:00 PM	27.0	27.4	26.7	3.3	5.3	NEE	30
14/10/06	1:30 PM	27.0	27.3	27.0	4.0	5.2	NE	30
14/10/06	2:00 PM	28.0	28.2	28.0	4.2	5.0	NEE	30
14/10/06	2:30 PM	28.0	28.1	28.0	3.3	5.0	NEE	30
14/10/06	3:00 PM	28.2	28.4	28.2	2.5	2.6	E	30
14/10/06	3:30 PM	28.1	28.4	27.9	2.8	3.6	NEE	30
14/10/06	4:00 PM	27.2	27.4	26.9	4.2	6.4	E	30
14/10/06	4:30 PM	27.0	27.3	26.7	2.5	4.2	SEE	30
14/10/06	5:00 PM	26.7	27.1	26.4	2.5	3.5	N	30
14/10/06	5:30 PM	26.1	26.5	25.9	3.0	4.8	NEE	30
14/10/06	6:00 PM	26.0	26.3	25.9	2.2	3.7	NE	30
14/10/06	6:30 PM	25.6	25.6	25.3	1.9	3.2	NE	30
14/10/06	7:00 PM	25.4	25.6	25.2	2.0	3.0	NEN	30
14/10/06	7:30 PM	25.4	25.6	25.3	2.1	3.8	E	30
14/10/06	8:00 PM	25.3	25.7	25.2	2.5	4.3	NE	30
14/10/06	8:30 PM	25.3	25.4	25.2	1.6	2.6	SEE	30
14/10/06	9:00 PM	25.5	25.6	25.5	0.8	2.7	N	30
14/10/06	9:30 PM	25.5	25.9	25.3	1.7	2.3	NEE	30
14/10/06	10:00 PM	25.5	25.6	25.3	2.7	4.9	E	30
14/10/06	10:30 PM	25.5	25.6	25.2	2.8	4.5	NE	30
14/10/06	11:00 PM	25.3	25.3	25.2	1.9	2.1	NE	30
14/10/06	11:30 PM	25.4	25.5	25.4	1.9	2.7	NEE	30
15/10/06	12:00 AM	25.3	25.4	25.2	2.5	4.1	NE	30
15/10/06	12:30 AM	25.1	25.3	25.0	1.9	2.2	NE	30
15/10/06	1:00 AM	25.1	25.2	24.8	2.5	4.7	NE	30
15/10/06	1:30 AM	25.0	25.3	24.8	1.9	3.2	NEE	30
15/10/06	2:00 AM	24.9	25.0	24.6	2.3	3.5	N	30
15/10/06	2:30 AM	24.8	25.0	24.6	2.5	4.3	NE	30
15/10/06	3:00 AM	24.2	24.6	23.9	2.4	2.5	NEN	30
15/10/06	3:30 AM	24.0	24.2	23.9	3.3	4.0	NEN	30
15/10/06	4:00 AM	23.9	24.3	23.7	2.5	3.8	NE	30
15/10/06	4:30 AM	24.2	24.5	23.9	2.5	2.8	NEE	30
15/10/06	5:00 AM	24.0	24.2	23.8	2.6	4.1	NEN	30
15/10/06	5:30 AM	23.9	24.0	23.7	1.7	2.8	NEN	30
15/10/06	6:00 AM	23.8	24.0	23.6	1.9	3.1	NE	30
15/10/06	6:30 AM	23.7	23.7	23.5	2.9	3.2	NEN	30
15/10/06	7:00 AM	24.0	24.2	23.8	2.2	3.0	NEE	30
15/10/06	7:30 AM	24.2	24.5	23.9	3.7	5.1	NE	30
15/10/06	8:00 AM	24.5	24.6	24.3	3.3	5.3	NEN	30
15/10/06	8:30 AM	25.5	25.7	25.5	4.2	4.9	NE	30
15/10/06	9:00 AM	26.0	26.3	25.9	3.3	4.2	NE	30
15/10/06	9:30 AM	27.0	27.0	27.0	1.8	1.9	NEN	30
15/10/06	10:00 AM	27.2	27.3	27.1	3.3	3.8	NEE	30
15/10/06	10:30 AM	27.0	27.3	26.9	3.3	4.4	NE	30
15/10/06	11:00 AM	26.8	27.1	26.8	1.7	2.1	SE	30
15/10/06	11:30 AM	26.8	27.1	26.5	0.9	2.9	SSE	30
15/10/06	12:00 PM	26.5	26.6	26.4	1.7	3.1	SEE	30
15/10/06	12:30 PM	26.9	27.1	26.6	0.9	2.7	SEE	30
15/10/06	1:00 PM	26.4	26.7	26.4	1.6	3.6	SE	30
15/10/06	1:30 PM	26.4	26.5	26.3	1.1	3.0	SSE	30
15/10/06	2:00 PM	26.2	26.3	26.2	1.9	2.6	SSW	30
15/10/06	2:30 PM	27.3	27.3	27.1	1.7	2.7	SEE	30
15/10/06	3:00 PM	26.7	26.7	26.6	2.9	3.4	SEE	30
15/10/06	3:30 PM	26.0	26.3	25.8	2.0	3.5	SEE	30
15/10/06	4:00 PM	26.0	26.4	25.7	2.1	2.3	SE	30
15/10/06	4:30 PM	26.2	26.2	26.0	1.1	1.4	SE	30
15/10/06	5:00 PM	26.2	26.3	26.2	1.1	3.1	SE	30
15/10/06	5:30 PM	25.9	26.0	25.7	1.2	2.3	SEE	30
15/10/06	6:00 PM	25.9	26.0	25.8	1.1	1.8	SE	30
15/10/06	6:30 PM	25.9	26.0	25.7	1.4	3.1	SEE	30
15/10/06	7:00 PM	25.4	25.5	25.2	1.7	2.8	SE	30
15/10/06	7:30 PM	25.7	25.7	25.6	1.9	2.9	SEE	30
15/10/06	8:00 PM	25.8	25.9	25.5	2.2	3.0	SEE	30
15/10/06	8:30 PM	26.0	26.2	25.9	1.5	1.7	SEE	30
15/10/06	9:00 PM	25.9	26.1	25.8	1.2	1.3	SEE	30
15/10/06	9:30 PM	25.8	25.9	25.6	0.3	1.9	SSW	30
15/10/06	10:00 PM	25.5	25.9	25.4	1.9	2.3	E	30
15/10/06	10:30 PM	24.5	24.9	24.3	0.5	1.9	SSW	30
15/10/06	11:00 PM	24.8	24.8	24.8	1.4	3.2	SE	30
15/10/06	11:30 PM	24.6	24.9	24.5	1.3	3.6	SE	30
16/10/06	12:00 AM	24.8	25.0	24.7	1.1	1.8	SE	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind Direction	Period
		Temp	Temp	Temp	Average	Hi		
16/10/06	12:30 AM	24.4	24.8	24.3	1.1	2.1	SE	30
16/10/06	1:00 AM	24.3	24.4	24.3	1.3	1.3	SEE	30
16/10/06	1:30 AM	24.3	24.6	24.0	1.1	1.2	SSE	30
16/10/06	2:00 AM	24.3	24.5	24.1	2.1	2.9	SSW	30
16/10/06	2:30 AM	24.0	24.3	23.9	0.4	1.7	SE	30
16/10/06	3:00 AM	24.0	24.3	23.9	0.5	2.7	SEE	30
16/10/06	3:30 AM	24.0	24.2	24.0	1.1	3.4	SE	30
16/10/06	4:00 AM	24.1	24.3	23.8	1.4	3.3	SE	30
16/10/06	4:30 AM	24.3	24.3	24.1	1.7	3.3	SSE	30
16/10/06	5:00 AM	24.0	24.2	23.9	1.3	1.5	SSE	30
16/10/06	5:30 AM	23.9	23.9	23.7	1.2	3.1	SSE	30
16/10/06	6:00 AM	24.0	24.0	24.0	0.6	2.5	SEE	30
16/10/06	6:30 AM	24.2	24.2	24.1	0.9	1.7	NE	30
16/10/06	7:00 AM	23.9	24.0	23.7	0.7	1.3	NNE	30
16/10/06	7:30 AM	24.0	24.4	23.8	0.6	1.1	NNE	30
16/10/06	8:00 AM	24.4	24.7	24.2	0.8	1.8	NNE	30
16/10/06	8:30 AM	25.0	25.1	25.0	1.1	2.0	NEE	30
16/10/06	9:00 AM	25.3	25.3	25.1	0.8	2.7	NE	30
16/10/06	9:30 AM	26.0	26.2	25.7	1.7	2.8	NEE	30
16/10/06	10:00 AM	26.5	26.6	26.2	2.2	4.5	E	30
16/10/06	10:30 AM	27.2	27.2	27.2	2.1	2.3	NE	30
16/10/06	11:00 AM	27.0	27.2	27.0	2.0	2.2	NE	30
16/10/06	11:30 AM	26.6	27.0	26.4	2.0	2.3	NEE	30
16/10/06	12:00 PM	27.0	27.2	27.0	2.2	4.4	SE	30
16/10/06	12:30 PM	27.5	27.5	27.4	3.3	5.2	E	30
16/10/06	1:00 PM	27.9	28.3	27.8	3.5	4.1	NEE	30
16/10/06	1:30 PM	27.6	27.9	27.3	2.2	3.1	E	30
16/10/06	2:00 PM	27.2	27.5	27.0	2.5	4.5	NEE	30
16/10/06	2:30 PM	26.7	26.9	26.6	2.0	2.6	NEE	30
16/10/06	3:00 PM	26.4	26.4	26.1	2.4	4.4	NEE	30
16/10/06	3:30 PM	26.3	26.7	26.1	2.2	3.3	NE	30
16/10/06	4:00 PM	26.3	26.3	26.3	2.2	3.1	E	30
16/10/06	4:30 PM	26.2	26.5	26.2	2.1	2.3	SE	30
16/10/06	5:00 PM	25.9	26.0	25.7	2.2	3.2	SE	30
16/10/06	5:30 PM	25.9	26.1	25.9	1.7	3.1	SE	30
16/10/06	6:00 PM	25.8	26.1	25.6	0.9	2.4	SE	30
16/10/06	6:30 PM	25.5	25.6	25.3	2.6	4.7	SE	30
16/10/06	7:00 PM	25.5	25.6	25.2	1.7	2.9	SSE	30
16/10/06	7:30 PM	25.3	25.5	25.0	1.8	2.2	SSE	30
16/10/06	8:00 PM	25.4	25.8	25.2	2.0	3.1	SSE	30
16/10/06	8:30 PM	25.3	25.6	25.0	2.2	4.2	SE	30
16/10/06	9:00 PM	25.3	25.4	25.2	2.0	2.7	SE	30
16/10/06	9:30 PM	25.3	25.4	25.1	2.4	2.9	SE	30
16/10/06	10:00 PM	25.3	25.6	25.0	1.7	3.4	SSE	30
16/10/06	10:30 PM	25.3	25.5	25.3	1.2	2.6	SSE	30
16/10/06	11:00 PM	25.3	25.5	25.2	2.0	2.9	SSE	30
16/10/06	11:30 PM	25.0	25.1	24.9	2.0	3.2	SE	30
17/10/06	12:00 AM	25.0	25.1	24.8	1.7	2.3	SE	30
17/10/06	12:30 AM	25.0	25.1	25.0	1.5	2.6	SE	30
17/10/06	1:00 AM	25.0	25.1	24.7	1.7	3.6	SE	30
17/10/06	1:30 AM	25.0	25.1	24.7	1.2	2.1	SE	30
17/10/06	2:00 AM	24.7	24.9	24.5	0.7	1.2	SE	30
17/10/06	2:30 AM	24.5	24.8	24.4	0.9	1.2	SE	30
17/10/06	3:00 AM	24.6	24.7	24.3	1.1	1.6	NE	30
17/10/06	3:30 AM	24.8	25.0	24.6	1.2	2.7	E	30
17/10/06	4:00 AM	25.0	25.1	24.9	0.8	1.7	NEE	30
17/10/06	4:30 AM	24.6	24.9	24.3	1.8	2.5	NNE	30
17/10/06	5:00 AM	24.8	24.9	24.5	1.6	3.4	NEE	30
17/10/06	5:30 AM	24.9	25.3	24.6	1.1	1.2	NNE	30
17/10/06	6:00 AM	24.9	25.0	24.9	0.9	2.9	NEE	30
17/10/06	6:30 AM	24.9	25.1	24.8	1.7	3.2	NNE	30
17/10/06	7:00 AM	24.9	25.1	24.8	1.6	3.2	NE	30
17/10/06	7:30 AM	25.0	25.3	24.8	1.2	1.6	E	30
17/10/06	8:00 AM	25.0	25.2	24.9	1.7	1.8	SE	30
17/10/06	8:30 AM	25.2	25.6	25.1	1.2	2.8	NEE	30
17/10/06	9:00 AM	25.3	25.3	25.2	1.9	2.5	E	30
17/10/06	9:30 AM	25.6	25.9	25.6	2.2	3.3	E	30
17/10/06	10:00 AM	25.9	25.9	25.7	2.0	3.4	E	30
17/10/06	10:30 AM	26.4	26.6	26.2	2.8	4.8	NE	30
17/10/06	11:00 AM	26.3	26.6	26.1	3.0	3.9	NE	30
17/10/06	11:30 AM	26.9	27.2	26.9	3.0	3.9	NNE	30
17/10/06	12:00 PM	26.7	27.1	26.6	2.8	3.9	NE	30
17/10/06	12:30 PM	27.5	27.5	27.3	1.1	2.1	SEE	30
17/10/06	1:00 PM	27.2	27.3	27.1	2.3	2.4	NEE	30
17/10/06	1:30 PM	27.3	27.3	27.2	2.6	4.3	NEE	30
17/10/06	2:00 PM	27.0	27.3	26.9	2.2	3.7	NEE	30
17/10/06	2:30 PM	26.9	27.2	26.8	3.0	4.3	NE	30
17/10/06	3:00 PM	26.9	27.1	26.6	1.7	1.9	SE	30
17/10/06	3:30 PM	26.5	26.7	26.3	1.7	2.2	SE	30
17/10/06	4:00 PM	26.0	26.1	25.7	2.2	2.2	SE	30
17/10/06	4:30 PM	26.0	26.1	25.8	2.2	2.8	SE	30
17/10/06	5:00PM	26.0	26.0	25.9	1.6	3.0	SE	30
17/10/06	5:30 PM	25.9	26.3	25.8	1.1	3.2	NE	30
17/10/06	6:00PM	25.7	26.0	25.5	2.1	4.4	SSE	30
17/10/06	6:30 PM	25.5	25.8	25.4	1.1	1.6	SE	30
17/10/06	7:00PM	25.1	25.4	25.0	0.3	2.4	SE	30
17/10/06	7:30 PM	25.2	25.4	25.0	0.3	2.6	E	30
17/10/06	8:00PM	25.2	25.5	25.1	1.1	3.2	SEE	30
17/10/06	8:30 PM	25.3	25.4	25.0	1.7	4.0	SSE	30
17/10/06	9:00PM	25.5	25.7	25.5	1.9	3.5	SSE	30
17/10/06	9:30 PM	25.5	25.6	25.4	1.7	3.7	SSE	30
17/10/06	10:00PM	25.3	25.3	25.1	1.7	3.0	SSE	30
17/10/06	10:30 PM	25.2	25.2	25.2	1.3	1.3	SSE	30
17/10/06	11:00PM	25.2	25.5	24.9	1.4	2.2	SSE	30
17/10/06	11:30 PM	25.0	25.1	24.9	1.7	1.8	SSE	30
18/10/06	12:00AM	25.0	25.4	25.0	1.6	2.0	SSE	30
18/10/06	12:30 AM	24.9	25.2	24.6	1.6	3.0	SSE	30
18/10/06	1:00AM	24.9	25.2	24.8	1.1	2.5	SE	30
18/10/06	1:30 AM	24.9	25.1	24.6	1.3	2.1	SSE	30
18/10/06	2:00AM	24.9	25.0	24.8	1.7	3.4	SE	30
18/10/06	2:30 AM	24.8	25.2	24.6	0.6	2.7	SSE	30
18/10/06	3:00AM	24.6	24.9	24.4	0.7	1.4	SE	30
18/10/06	3:30 AM	24.0	24.1	23.9	0.2	1.1	SEE	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind Direction	Period
		Temp	Temp	Temp	Average	Hi		
18/10/06	4:00AM	24.0	24.0	23.8	0.6	1.7	SE	30
18/10/06	4:30 AM	24.6	25.0	24.5	0.7	1.5	SE	30
18/10/06	5:00AM	24.8	25.1	24.5	1.7	3.8	SE	30
18/10/06	5:30 AM	24.3	24.6	24.0	0.6	1.1	SE	30
18/10/06	6:00AM	24.8	25.1	24.5	1.1	3.3	SE	30
18/10/06	6:30 AM	25.1	25.3	24.9	1.7	3.0	SE	30
18/10/06	7:00AM	25.1	25.2	25.0	0.6	1.1	E	30
18/10/06	7:30 AM	25.3	25.6	25.1	0.4	2.3	NE	30
18/10/06	8:00AM	25.5	25.9	25.3	1.7	2.1	NNE	30
18/10/06	8:30 AM	25.9	26.1	25.6	1.3	2.8	E	30
18/10/06	9:00AM	26.0	26.3	25.9	1.2	1.6	E	30
18/10/06	9:30 AM	26.5	26.8	26.5	2.5	4.7	NE	30
18/10/06	10:00AM	26.6	27.0	26.3	2.8	4.7	NEE	30
18/10/06	10:30 AM	26.7	26.7	26.7	2.8	2.9	NEE	30
18/10/06	11:00AM	27.5	27.7	27.2	2.5	3.9	NEE	30
18/10/06	11:30 AM	28.5	28.7	28.3	2.8	3.2	NEE	30
18/10/06	12:00NN	28.4	28.7	28.3	2.5	4.1	NEE	30
18/10/06	12:30 PM	27.4	27.7	27.1	3.3	4.3	NNE	30
18/10/06	1:00 PM	27.0	27.2	26.8	2.8	3.7	NE	30
18/10/06	1:30 PM	27.5	27.8	27.5	3.3	5.3	NEE	30
18/10/06	2:00 PM	28.0	28.4	28.0	3.2	4.4	NEE	30
18/10/06	2:30 PM	27.2	27.4	27.2	3.1	3.2	NE	30
18/10/06	3:00 PM	26.8	27.1	26.7	2.3	2.9	NE	30
18/10/06	3:30 PM	26.8	27.0	26.7	1.7	1.7	E	30
18/10/06	4:00 PM	26.8	27.0	26.6	2.0	3.8	NE	30
18/10/06	4:30 PM	26.5	26.9	26.3	2.7	3.1	NEE	30
18/10/06	5:00 PM	26.3	26.6	26.2	0.6	1.2	SSE	30
18/10/06	5:30 PM	26.0	26.2	25.8	1.2	3.3	SSE	30
18/10/06	6:00 PM	25.8	26.0	25.6	1.1	3.2	SE	30
18/10/06	6:30 PM	25.7	26.0	25.5	1.6	2.6	SSE	30
18/10/06	7:00 PM	25.6	25.9	25.4	1.7	2.3	SSE	30
18/10/06	7:30 PM	25.7	26.0	25.6	1.7	3.8	SSE	30
18/10/06	8:00 PM	25.8	25.9	25.5	1.7	3.5	SSE	30
18/10/06	8:30 PM	25.9	25.9	25.8	2.3	2.7	SSE	30
18/10/06	9:00 PM	25.9	25.9	25.6	2.1	3.9	SSE	30
18/10/06	9:30 PM	25.9	26.0	25.9	1.7	2.6	SSE	30
18/10/06	10:00 PM	25.9	25.9	25.9	1.7	3.5	SE	30
18/10/06	10:30 PM	25.5	25.8	25.3	1.7	3.7	SSE	30
18/10/06	11:00 PM	25.5	25.5	25.2	1.1	2.2	SSE	30
18/10/06	11:30 PM	25.3	25.4	25.2	0.8	2.8	E	30
19/10/06	12:00 AM	25.0	25.2	24.7	1.1	2.3	NE	30
19/10/06	12:30 AM	25.1	25.2	24.9	1.2	3.4	NE	30
19/10/06	1:00 AM	25.1	25.2	25.0	0.7	1.1	SEE	30
19/10/06	1:30 AM	25.0	25.3	24.7	0.9	0.9	SSE	30
19/10/06	2:00 AM	24.6	24.7	24.6	0.4	1.6	SSE	30
19/10/06	2:30 AM	24.6	24.9	24.4	0.6	2.1	SSE	30
19/10/06	3:00 AM	24.3	24.4	24.1	0.9	2.0	NEE	30
19/10/06	3:30 AM	24.9	24.9	24.8	0.6	1.4	SEE	30
19/10/06	4:00 AM	24.7	24.7	24.7	0.7	1.8	NE	30
19/10/06	4:30 AM	24.8	25.0	24.7	1.1	3.2	SSE	30
19/10/06	5:00 AM	25.0	25.1	24.8	0.8	1.0	NE	30
19/10/06	5:30 AM	25.0	25.1	24.8	0.7	2.9	NEE	30
19/10/06	6:00 AM	25.1	25.2	24.9	1.7	2.1	E	30
19/10/06	6:30 AM	25.1	25.3	25.0	1.7	2.4	NEE	30
19/10/06	7:00 AM	25.2	25.4	25.2	1.7	3.3	NEE	30
19/10/06	7:30 AM	25.2	25.3	25.0	1.7	2.8	E	30
19/10/06	8:00 AM	25.7	26.1	25.6	1.7	1.9	E	30
19/10/06	8:30 AM	26.0	26.0	25.7	2.2	4.4	NE	30
19/10/06	9:00 AM	26.6	26.9	26.4	2.5	3.3	E	30
19/10/06	9:30 AM	26.7	26.8	26.6	2.8	3.6	NEE	30
19/10/06	10:00 AM	27.3	27.4	27.1	2.8	3.8	NE	30
19/10/06	10:30 AM	27.0	27.3	26.8	3.8	4.1	E	30
19/10/06	11:00 AM	27.9	28.2	27.9	3.0	5.2	NEE	30
19/10/06	11:30 AM	27.8	27.9	27.6	2.2	2.4	NEE	30
19/10/06	12:00 PM	27.5	27.7	27.3	2.8	4.5	NEE	30
19/10/06	12:30 PM	28.0	28.0	27.9	2.5	4.6	NEE	30
19/10/06	1:00 PM	28.0	28.1	27.9	2.8	3.0	E	30
19/10/06	1:30 PM	28.0	28.3	27.7	3.0	3.7	NEE	30
19/10/06	2:00 PM	27.2	27.5	27.1	2.8	4.9	NEE	30
19/10/06	2:30 PM	27.4	27.5	27.3	3.1	3.7	NE	30
19/10/06	3:00 PM	27.5	27.8	27.2	2.2	4.0	NE	30
19/10/06	3:30 PM	27.2	27.5	27.2	2.2	3.7	NEE	30
19/10/06	4:00 PM	26.5	26.6	26.3	2.0	3.0	NNE	30
19/10/06	4:30 PM	26.0	26.0	25.8	2.2	2.8	NEE	30
19/10/06	5:00 PM	25.5	25.7	25.3	1.7	2.9	NEE	30
19/10/06	5:30 PM	24.1	24.2	24.1	0.2	1.4	NNE	30
19/10/06	6:00 PM	24.0	24.3	23.8	1.1	2.9	NNE	30
19/10/06	6:30 PM	23.2	23.3	23.0	1.1	1.1	NNE	30
19/10/06	7:00 PM	23.1	23.5	22.8	0.6	1.7	NNE	30
19/10/06	7:30 PM	23.0	23.1	22.7	0.5	1.2	NNE	30
19/10/06	8:00 PM	22.7	23.1	22.5	0.7	2.6	NNW	30
19/10/06	8:30 PM	22.6	22.7	22.5	0.6	2.0	NWW	30
19/10/06	9:00 PM	22.7	22.8	22.6	1.2	1.5	NW	30
19/10/06	9:30 PM	22.2	22.2	21.9	0.6	0.6	W	30
19/10/06	10:00 PM	22.2	22.2	22.1	0.6	1.2	NWW	30
19/10/06	10:30 PM	22.1	22.2	22.0	0.2	1.0	SWW	30
19/10/06	11:00 PM	22.0	22.2	21.8	0.6	1.3	NW	30
19/10/06	11:30 PM	22.0	22.0	22.0	1.1	2.1	NW	30
20/10/06	12:00 AM	22.0	22.4	22.0	0.9	1.5	NWW	30
20/10/06	12:30 AM	22.0	22.0	21.8	0.6	1.6	NW	30
20/10/06	1:00 AM	22.0	22.4	21.7	0.7	1.2	NWW	30
20/10/06	1:30 AM	22.0	22.2	21.7	1.6	2.4	NW	30
20/10/06	2:00 AM	22.0	22.0	21.9	0.8	2.8	NW	30
20/10/06	2:30 AM	21.9	22.2	21.9	0.1	0.4	NW	30
20/10/06	3:00 AM	21.8	22.0	21.6	0.2	1.5	NW	30
20/10/06	3:30 AM	21.6	21.7	21.5	0.4	1.3	NNW	30
20/10/06	4:00 AM	21.8	21.9	21.8	0.2	1.7	NW	30
20/10/06	4:30 AM	21.9	22.2	21.8	0.2	1.1	NNW	30
20/10/06	5:00 AM	21.6	21.8	21.4	0.2	1.2	NW	30
20/10/06	5:30 AM	21.7	21.7	21.5	0.3	1.6	NW	30
20/10/06	6:00 AM	21.8	22.0	21.8	0.3	0.6	NNW	30
20/10/06	6:30 AM	22.0	22.2	21.8	0.2	1.8	N	30
20/10/06	7:00 AM	22.2	22.5	22.0	0.1	2.1	N	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind	Period
		Temp	Temp	Temp	Average	Hi	Direction	
20/10/06	7:30 AM	23.2	23.5	23.1	0.0	0.4	N	30
20/10/06	8:00 AM	24.0	24.2	23.8	1.4	2.1	NEE	30
20/10/06	8:30 AM	25.0	25.0	25.0	1.7	3.9	N	30
20/10/06	9:00 AM	25.1	25.3	24.9	1.7	2.7	NE	30
20/10/06	9:30 AM	26.0	26.3	25.9	2.3	2.9	NNE	30
20/10/06	10:00 AM	26.8	27.0	26.8	2.1	2.7	NNE	30
20/10/06	10:30 AM	26.8	26.9	26.7	1.7	3.1	NNE	30
20/10/06	11:00 AM	27.9	28.3	27.7	3.6	5.8	NEE	30
20/10/06	11:30 AM	27.1	27.2	26.9	3.3	4.5	NEE	30
20/10/06	12:00 PM	27.6	27.9	27.4	3.5	3.8	NEE	30
20/10/06	12:30 PM	27.5	27.7	27.2	3.1	4.2	NEE	30
20/10/06	1:00 PM	27.6	27.9	27.5	4.4	5.9	NE	30
20/10/06	1:30 PM	28.0	28.2	28.0	3.2	5.3	NEE	30
20/10/06	2:00 PM	27.1	27.1	27.0	3.7	5.7	NE	30
20/10/06	2:30 PM	27.8	27.9	27.6	3.3	3.8	NEE	30
20/10/06	3:00 PM	27.6	27.8	27.4	1.7	2.2	E	30
20/10/06	3:30 PM	27.0	27.3	26.9	2.5	3.8	NE	30
20/10/06	4:00 PM	26.4	26.5	26.4	2.6	2.8	NE	30
20/10/06	4:30 PM	26.0	26.1	25.9	2.5	2.6	NE	30
20/10/06	5:00 PM	25.9	26.1	25.6	2.5	4.1	NE	30
20/10/06	5:30 PM	25.6	25.8	25.5	1.3	2.0	NEE	30
20/10/06	6:00 PM	25.3	25.5	25.2	0.8	2.3	NE	30
20/10/06	6:30 PM	25.0	25.2	24.9	2.4	4.1	NEN	30
20/10/06	7:00 PM	25.0	25.3	24.9	1.7	2.7	NEE	30
20/10/06	7:30 PM	25.1	25.3	24.9	0.8	1.5	SE	30
20/10/06	8:00 PM	24.9	25.0	24.7	0.7	1.4	E	30
20/10/06	8:30 PM	24.0	24.2	23.9	0.6	1.4	SES	30
20/10/06	9:00 PM	23.7	23.9	23.4	1.0	1.8	NEN	30
20/10/06	9:30 PM	24.0	24.3	23.9	0.8	2.1	NEE	30
20/10/06	10:00 PM	24.5	24.7	24.4	0.8	2.6	E	30
20/10/06	10:30 PM	24.5	24.8	24.5	1.7	3.7	NEE	30
20/10/06	11:00 PM	24.8	25.0	24.8	1.8	2.0	E	30
20/10/06	11:30 PM	24.9	25.2	24.7	1.2	1.9	SEE	30
21/10/06	12:00 AM	24.8	25.0	24.7	1.7	2.7	E	30
21/10/06	12:30 AM	24.8	25.0	24.6	1.7	3.7	E	30
21/10/06	1:00 AM	24.8	24.9	24.5	1.7	3.2	NE	30
21/10/06	1:30 AM	24.8	24.9	24.7	0.8	1.3	NEE	30
21/10/06	2:00 AM	24.9	25.2	24.8	1.7	3.6	N	30
21/10/06	2:30 AM	24.3	24.6	24.3	1.0	2.2	NEN	30
21/10/06	3:00 AM	24.2	24.5	23.9	2.1	2.6	NEN	30
21/10/06	3:30 AM	24.3	24.4	24.3	2.5	4.5	NE	30
21/10/06	4:00 AM	24.2	24.3	24.1	3.1	3.4	NE	30
21/10/06	4:30 AM	24.3	24.4	24.0	2.5	3.3	E	30
21/10/06	5:00 AM	24.2	24.4	24.0	2.4	4.3	E	30
21/10/06	5:30 AM	24.2	24.3	24.1	2.2	2.5	NE	30
21/10/06	6:00 AM	24.0	24.1	23.9	2.9	4.9	NEN	30
21/10/06	6:30 AM	23.9	23.9	23.8	2.5	2.7	NEN	30
21/10/06	7:00 AM	24.0	24.4	23.9	1.7	3.9	NE	30
21/10/06	7:30 AM	24.2	24.5	24.1	2.5	2.8	NEE	30
21/10/06	8:00 AM	24.5	24.6	24.2	2.5	4.8	NE	30
21/10/06	8:30 AM	25.6	25.8	25.5	2.1	4.1	NEN	30
21/10/06	9:00 AM	26.0	26.4	25.9	3.3	4.7	NEN	30
21/10/06	9:30 AM	26.8	26.9	26.7	3.3	5.6	NE	30
21/10/06	10:00 AM	26.4	26.7	26.2	3.3	4.1	NEN	30
21/10/06	10:30 AM	27.5	27.5	27.2	3.3	3.9	NEE	30
21/10/06	11:00 AM	27.2	27.3	27.1	2.2	2.4	NE	30
21/10/06	11:30 AM	28.0	28.1	27.8	3.3	4.7	NEE	30
21/10/06	12:00 PM	27.5	27.8	27.2	2.8	3.0	NEE	30
21/10/06	12:30 PM	28.5	28.9	28.5	2.8	3.0	NE	30
21/10/06	1:00 PM	28.4	28.7	28.1	2.8	3.8	E	30
21/10/06	1:30 PM	28.4	28.6	28.2	3.3	5.0	NEE	30
21/10/06	2:00 PM	28.5	28.6	28.5	2.4	2.6	NE	30
21/10/06	2:30 PM	28.9	29.3	28.7	2.8	2.9	SE	30
21/10/06	3:00 PM	28.0	28.2	28.0	1.9	2.7	SE	30
21/10/06	3:30 PM	27.8	27.9	27.7	1.1	2.7	SE	30
21/10/06	4:00 PM	27.0	27.0	26.9	1.4	3.3	SE	30
21/10/06	4:30 PM	26.5	26.7	26.4	1.6	2.4	NEE	30
21/10/06	5:00 PM	26.4	26.6	26.2	1.1	1.1	NE	30
21/10/06	5:30 PM	26.0	26.1	25.9	0.7	2.6	NE	30
21/10/06	6:00 PM	25.5	25.6	25.4	0.9	1.0	SEE	30
21/10/06	6:30 PM	25.0	25.1	24.7	2.7	3.5	NEN	30
21/10/06	7:00 PM	24.5	24.8	24.2	1.9	2.5	NEN	30
21/10/06	7:30 PM	24.5	24.6	24.4	1.7	2.4	NEN	30
21/10/06	8:00 PM	24.4	24.6	24.2	1.1	1.3	N	30
21/10/06	8:30 PM	24.3	24.4	24.1	2.5	3.2	NEN	30
21/10/06	9:00 PM	24.4	24.6	24.2	2.0	2.4	NEN	30
21/10/06	9:30 PM	24.2	24.3	24.2	1.4	2.5	NEN	30
21/10/06	10:00 PM	24.2	24.5	24.2	1.1	2.3	N	30
21/10/06	10:30 PM	25.0	25.1	25.0	1.7	2.4	E	30
21/10/06	11:00 PM	25.1	25.2	25.0	1.8	3.2	E	30
21/10/06	11:30 PM	25.5	25.5	25.4	1.7	2.2	E	30
22/10/06	12:00 AM	25.5	25.7	25.5	2.3	4.5	NE	30
22/10/06	12:30 AM	25.4	25.5	25.1	2.0	3.1	NEN	30
22/10/06	1:00 AM	25.3	25.4	25.0	1.6	3.2	N	30
22/10/06	1:30 AM	25.2	25.2	25.0	3.2	5.3	SEE	30
22/10/06	2:00 AM	25.0	25.2	24.9	1.1	2.4	NEE	30
22/10/06	2:30 AM	25.0	25.2	24.9	1.7	1.9	NE	30
22/10/06	3:00 AM	24.9	25.1	24.9	1.7	3.1	NE	30
22/10/06	3:30 AM	24.9	25.2	24.7	2.5	4.6	N	30
22/10/06	4:00 AM	24.6	25.0	24.4	1.1	3.0	NEN	30
22/10/06	4:30 AM	24.5	24.9	24.3	2.3	3.1	NE	30
22/10/06	5:00 AM	24.7	24.8	24.6	2.8	3.1	E	30
22/10/06	5:30 AM	24.1	24.2	23.9	1.7	2.7	NEN	30
22/10/06	6:00 AM	24.1	24.1	23.8	3.9	5.7	NEN	30
22/10/06	6:30 AM	24.2	24.5	24.0	3.5	4.6	NEN	30
22/10/06	7:00 AM	24.5	24.6	24.3	2.8	3.0	N	30
22/10/06	7:30 AM	25.5	25.7	25.2	2.8	3.4	NEN	30
22/10/06	8:00 AM	26.0	26.0	25.7	1.7	2.7	NE	30
22/10/06	8:30 AM	27.0	27.0	26.8	2.8	4.6	NE	30
22/10/06	9:00 AM	27.5	27.5	27.3	3.3	3.8	NE	30
22/10/06	9:30 AM	28.0	28.0	27.8	3.3	3.6	NEN	30
22/10/06	10:00 AM	28.9	29.2	28.9	2.4	4.4	NEE	30
22/10/06	10:30 AM	28.8	29.2	28.5	2.8	4.1	NE	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind	Period
		Temp	Temp	Temp	Average	Hi	Direction	
22/10/06	11:00 AM	29.0	29.4	28.8	3.0	4.8	NEE	30
22/10/06	11:30 AM	28.5	28.5	28.3	2.5	4.5	SE	30
22/10/06	12:00 PM	29.4	29.6	29.3	2.2	2.6	NEE	30
22/10/06	12:30 PM	29.3	29.5	29.0	2.6	2.8	SE	30
22/10/06	1:00 PM	29.5	29.7	29.4	1.9	3.3	SE	30
22/10/06	1:30 PM	29.9	30.3	29.7	3.1	3.7	NEE	30
22/10/06	2:00 PM	30.0	30.1	29.9	2.2	2.2	NEE	30
22/10/06	2:30 PM	29.1	29.3	28.8	1.4	1.8	SE	30
22/10/06	3:00 PM	28.9	29.1	28.7	1.6	3.6	SE	30
22/10/06	3:30 PM	28.0	28.0	27.7	1.7	3.4	NE	30
22/10/06	4:00 PM	27.9	28.0	27.7	1.2	1.3	SEE	30
22/10/06	4:30 PM	26.3	26.4	26.1	2.2	4.2	NNE	30
22/10/06	5:00 PM	26.1	26.2	25.8	0.6	1.5	NE	30
22/10/06	5:30 PM	25.0	25.2	24.8	0.6	1.2	NNE	30
22/10/06	6:00 PM	24.5	24.6	24.2	0.9	0.9	NE	30
22/10/06	6:30 PM	24.0	24.2	23.8	1.1	2.4	NNE	30
22/10/06	7:00 PM	23.8	24.2	23.8	0.1	1.6	NNE	30
22/10/06	7:30 PM	23.7	24.0	23.5	0.1	1.0	SSE	30
22/10/06	8:00 PM	23.5	23.6	23.3	0.2	1.6	W	30
22/10/06	8:30 PM	23.2	23.2	23.2	1.1	1.2	NWW	30
22/10/06	9:00 PM	23.2	23.6	23.1	1.1	1.5	NWW	30
22/10/06	9:30 PM	23.1	23.3	22.8	0.3	2.2	NW	30
22/10/06	10:00 PM	23.0	23.2	22.8	0.3	2.1	N	30
22/10/06	10:30 PM	23.0	23.3	22.9	0.3	1.6	NW	30
22/10/06	11:00 PM	23.0	23.3	22.8	0.3	0.8	NW	30
22/10/06	11:30 PM	23.0	23.3	22.9	0.2	1.9	NW	30
23/10/06	12:00 AM	23.0	23.1	22.8	0.2	0.8	NWW	30
23/10/06	12:30 AM	22.9	23.0	22.6	0.6	2.8	NNW	30
23/10/06	1:00 AM	22.8	22.9	22.8	0.2	0.4	NW	30
23/10/06	1:30 AM	22.8	23.1	22.5	0.9	2.3	NNW	30
23/10/06	2:00 AM	22.9	23.3	22.7	0.3	0.8	NWW	30
23/10/06	2:30 AM	22.8	23.2	22.6	0.2	0.3	NW	30
23/10/06	3:00 AM	22.8	23.0	22.6	0.9	1.5	NWW	30
23/10/06	3:30 AM	22.8	23.0	22.6	0.1	1.5	NNW	30
23/10/06	4:00 AM	22.8	23.1	22.8	0.1	0.5	NW	30
23/10/06	4:30 AM	22.7	23.0	22.4	0.6	1.5	NWW	30
23/10/06	5:00 AM	22.6	23.0	22.5	0.3	2.4	NNW	30
23/10/06	5:30 AM	22.1	22.3	21.9	0.2	1.6	NNW	30
23/10/06	6:00 AM	22.1	22.2	21.9	0.6	2.7	NNW	30
23/10/06	6:30 AM	22.0	22.3	21.8	0.1	0.4	NNW	30
23/10/06	7:00 AM	22.1	22.5	22.0	0.6	1.8	NW	30
23/10/06	7:30 AM	23.0	23.3	23.0	0.1	1.7	N	30
23/10/06	8:00 AM	24.0	24.3	23.7	0.2	2.1	NEE	30
23/10/06	8:30 AM	25.5	25.8	25.5	0.0	1.9	E	30
23/10/06	9:00 AM	27.0	27.3	26.8	0.6	1.2	SE	30
23/10/06	9:30 AM	28.3	28.3	28.0	1.1	3.1	NEE	30
23/10/06	10:00 AM	29.0	29.3	28.9	2.1	3.6	E	30
23/10/06	10:30 AM	29.2	29.6	29.0	2.1	3.9	E	30
23/10/06	11:00 AM	29.4	29.8	29.4	1.1	2.0	NE	30
23/10/06	11:30 AM	29.6	29.7	29.3	1.4	1.7	NE	30
23/10/06	12:00 PM	31.2	31.5	31.2	2.3	3.9	E	30
23/10/06	12:30 PM	31.0	31.3	30.8	0.9	3.0	SSE	30
23/10/06	1:00 PM	31.0	31.3	30.8	1.1	2.1	SSE	30
23/10/06	1:30 PM	31.2	31.6	31.2	1.8	3.0	NEE	30
23/10/06	2:00 PM	31.3	31.6	31.2	1.7	2.5	NEE	30
23/10/06	2:30 PM	30.8	31.1	30.5	1.7	2.8	SE	30
23/10/06	3:00 PM	30.0	30.4	29.9	2.2	2.7	E	30
23/10/06	3:30 PM	29.0	29.0	28.7	1.3	2.4	SSE	30
23/10/06	4:00 PM	28.8	28.9	28.7	2.4	2.7	SEE	30
23/10/06	4:30 PM	28.2	28.5	28.2	2.1	3.8	SEE	30
23/10/06	5:00 PM	27.9	28.2	27.7	2.0	2.2	SE	30
23/10/06	5:30 PM	27.0	27.3	26.9	1.2	2.2	SSE	30
23/10/06	6:00 PM	26.6	26.7	26.6	1.7	2.9	SSE	30
23/10/06	6:30 PM	26.4	26.5	26.2	0.9	3.0	NEE	30
23/10/06	7:00 PM	26.2	26.5	26.0	1.1	2.0	NEE	30
23/10/06	7:30 PM	26.2	26.3	26.0	1.1	1.2	E	30
23/10/06	8:00 PM	26.1	26.4	25.8	1.4	2.6	NEE	30
23/10/06	8:30 PM	26.2	26.4	26.0	1.7	3.3	NE	30
23/10/06	9:00 PM	26.1	26.5	26.0	2.8	3.3	NEE	30
23/10/06	9:30 PM	26.1	26.4	25.9	2.2	2.7	NEE	30
23/10/06	10:00 PM	26.2	26.2	26.1	1.7	3.8	NEE	30
23/10/06	10:30 PM	26.2	26.5	26.1	2.8	3.0	NEE	30
23/10/06	11:00PM	26.3	26.5	26.1	2.2	2.8	SEE	30
23/10/06	11:30PM	25.8	26.0	25.5	2.2	4.0	NEE	30
24/10/06	12:00 AM	25.9	26.1	25.9	1.7	2.7	NEE	30
24/10/06	12:30AM	26.0	26.0	25.9	1.7	3.5	NEE	30
24/10/06	1:00 AM	25.9	26.1	25.8	2.5	4.3	NE	30
24/10/06	1:30 AM	25.9	26.0	25.9	2.2	2.3	E	30
24/10/06	2:00 AM	25.9	26.0	25.8	2.1	3.2	NEE	30
24/10/06	2:30 AM	25.5	25.7	25.5	1.7	3.8	E	30
24/10/06	3:00 AM	25.2	25.4	25.1	1.9	3.3	SEE	30
24/10/06	3:30 AM	25.6	25.7	25.3	1.6	2.3	SSE	30
24/10/06	4:00 AM	25.5	25.5	25.3	2.2	2.7	NE	30
24/10/06	4:30 AM	25.0	25.0	24.7	3.3	4.7	NE	30
24/10/06	5:00 AM	24.5	24.6	24.3	1.7	2.6	N	30
24/10/06	5:30 AM	24.4	24.7	24.2	1.7	2.8	SEE	30
24/10/06	6:00 AM	24.4	24.6	24.2	2.2	4.4	SSE	30
24/10/06	6:30 AM	24.2	24.4	24.0	2.8	4.5	E	30
24/10/06	7:00 AM	24.6	24.7	24.6	0.9	2.6	N	30
24/10/06	7:30 AM	24.9	24.9	24.7	1.7	3.6	SE	30
24/10/06	8:00 AM	25.0	25.3	24.9	2.2	3.4	NE	30
24/10/06	8:30 AM	25.2	25.3	24.9	2.2	3.0	NEE	30
24/10/06	9:00 AM	25.3	25.6	25.3	2.3	3.7	E	30
24/10/06	9:30 AM	26.0	26.3	26.0	1.7	3.9	SEE	30
24/10/06	10:00 AM	26.0	26.0	25.9	3.3	5.0	NEE	30
24/10/06	10:30 AM	27.0	27.2	26.7	3.0	4.7	NEE	30
24/10/06	11:00 AM	27.3	27.5	27.2	3.7	5.7	NEE	30
24/10/06	11:30 AM	27.4	27.7	27.1	3.9	5.0	NEE	30
24/10/06	12:00 PM	27.0	27.2	26.8	3.0	4.1	NEE	30
24/10/06	12:30 PM	26.9	27.0	26.8	2.5	4.5	NEE	30
24/10/06	1:00 PM	27.0	27.1	26.8	3.3	4.8	NNE	30
24/10/06	1:30 PM	28.0	28.3	28.0	2.8	4.3	NEE	30
24/10/06	2:00 PM	28.0	28.4	27.9	2.7	3.0	NEE	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind	Period
		Temp	Temp	Temp	Average	Hi	Direction	
24/10/06	2:30 PM	28.2	28.3	28.0	2.8	4.5	NNE	30
24/10/06	3:00 PM	27.0	27.2	26.9	3.3	5.0	NEE	30
24/10/06	3:30 PM	26.9	27.0	26.6	1.9	2.1	NEE	30
24/10/06	4:00 PM	26.4	26.7	26.3	1.2	3.2	NEE	30
24/10/06	4:30 PM	26.4	26.7	26.2	2.0	2.9	E	30
24/10/06	5:00 PM	26.2	26.3	26.2	1.0	1.3	NEE	30
24/10/06	5:30 PM	26.0	26.3	25.9	0.7	3.0	NEE	30
24/10/06	6:00 PM	26.0	26.3	26.0	2.2	3.7	NEE	30
24/10/06	6:30 PM	25.8	26.1	25.6	1.1	3.4	SE	30
24/10/06	7:00 PM	26.0	26.3	25.9	1.6	2.0	E	30
24/10/06	7:30 PM	25.8	25.9	25.8	0.7	2.8	SE	30
24/10/06	8:00 PM	25.8	26.1	25.7	1.1	3.2	SE	30
24/10/06	8:30 PM	25.9	26.1	25.7	1.9	2.1	E	30
24/10/06	9:00 PM	25.9	26.0	25.7	1.7	1.8	NE	30
24/10/06	9:30 PM	25.8	26.1	25.7	2.0	2.3	SEE	30
24/10/06	10:00 PM	25.8	25.9	25.5	1.6	3.6	SE	30
24/10/06	10:30 PM	25.6	25.8	25.3	1.7	3.3	NE	30
24/10/06	11:00 PM	25.6	25.7	25.4	2.2	2.5	SEE	30
24/10/06	11:30 PM	25.6	25.7	25.3	1.1	1.5	NE	30
25/10/06	12:00 AM	25.4	25.7	25.2	2.2	4.1	SEE	30
25/10/06	12:30 AM	25.4	25.8	25.3	1.7	1.7	SEE	30
25/10/06	1:00 AM	25.3	25.5	25.2	1.0	1.8	E	30
25/10/06	1:30 AM	25.2	25.2	25.0	2.2	3.6	E	30
25/10/06	2:00 AM	25.2	25.2	25.0	2.7	3.0	E	30
25/10/06	2:30 AM	25.1	25.1	24.9	1.1	2.5	E	30
25/10/06	3:00 AM	25.1	25.4	24.9	1.7	3.3	NE	30
25/10/06	3:30 AM	25.0	25.2	24.7	1.7	1.8	E	30
25/10/06	4:00 AM	24.9	25.3	24.7	1.2	2.5	SSE	30
25/10/06	4:30 AM	24.9	24.9	24.8	1.7	3.2	NNE	30
25/10/06	5:00 AM	24.9	25.2	24.6	1.1	1.6	SE	30
25/10/06	5:30 AM	24.8	25.0	24.7	1.9	2.3	NNE	30
25/10/06	6:00 AM	24.7	24.8	24.5	1.7	2.5	NE	30
25/10/06	6:30 AM	24.7	25.0	24.5	1.1	1.8	NE	30
25/10/06	7:00 AM	24.9	25.2	24.7	2.2	3.0	NE	30
25/10/06	7:30 AM	24.8	25.0	24.5	1.1	2.7	NE	30
25/10/06	8:00 AM	24.9	25.1	24.9	2.2	3.3	NE	30
25/10/06	8:30 AM	25.0	25.0	24.7	1.1	2.7	E	30
25/10/06	9:00 AM	25.3	25.6	25.1	1.7	1.9	E	30
25/10/06	9:30 AM	26.0	26.0	25.9	2.2	2.4	NNE	30
25/10/06	10:00 AM	26.2	26.5	26.1	2.8	5.1	E	30
25/10/06	10:30 AM	26.7	26.9	26.4	2.5	4.1	E	30
25/10/06	11:00 AM	26.9	27.2	26.9	1.9	3.9	SEE	30
25/10/06	11:30 AM	27.0	27.2	26.7	2.2	4.4	SE	30
25/10/06	12:00 PM	27.1	27.3	26.9	2.2	3.0	NEE	30
25/10/06	12:30 PM	27.5	27.7	27.3	2.0	3.6	SE	30
25/10/06	1:00 PM	27.9	28.1	27.7	1.7	2.3	NEE	30
25/10/06	1:30 PM	27.4	27.7	27.2	1.7	2.6	NNE	30
25/10/06	2:00 PM	28.0	28.2	27.9	2.1	3.4	E	30
25/10/06	2:30 PM	27.3	27.6	27.2	1.7	3.3	SEE	30
25/10/06	3:00 PM	27.0	27.4	26.8	1.7	2.4	SE	30
25/10/06	3:30 PM	26.7	26.8	26.5	1.1	3.1	SE	30
25/10/06	4:00 PM	26.3	26.7	26.2	1.1	3.0	SE	30
25/10/06	4:30 PM	25.8	26.0	25.5	1.7	2.2	SE	30
25/10/06	5:00 PM	25.6	25.9	25.4	2.6	2.9	SE	30
25/10/06	5:30 PM	25.6	25.8	25.5	1.7	2.4	NE	30
25/10/06	6:00 PM	25.5	25.7	25.4	1.4	3.5	SE	30
25/10/06	6:30 PM	25.4	25.7	25.2	1.1	2.9	NEE	30
25/10/06	7:00 PM	25.3	25.6	25.2	1.1	1.4	E	30
25/10/06	7:30 PM	25.3	25.3	25.3	0.6	2.6	SE	30
25/10/06	8:00 PM	25.3	25.4	25.3	1.1	3.1	SE	30
25/10/06	8:30 PM	25.3	25.5	25.2	1.1	1.1	NEE	30
25/10/06	9:00 PM	25.5	25.7	25.2	0.8	2.3	SEE	30
25/10/06	9:30 PM	25.3	25.4	25.1	1.1	1.9	NE	30
25/10/06	10:00 PM	25.3	25.6	25.2	1.1	1.9	SE	30
25/10/06	10:30 PM	25.2	25.4	24.9	1.4	3.2	SEE	30
25/10/06	11:00 PM	25.2	25.5	25.1	1.3	2.5	N	30
25/10/06	11:30 PM	25.2	25.4	25.0	1.6	1.7	SEE	30
26/10/06	12:00 AM	25.1	25.3	24.8	2.2	2.2	NEE	30
26/10/06	12:30 AM	25.1	25.3	24.9	1.4	2.4	NEE	30
26/10/06	1:00 AM	25.1	25.3	25.0	1.7	2.3	SE	30
26/10/06	1:30 AM	24.9	25.0	24.7	1.3	2.0	E	30
26/10/06	2:00 AM	24.9	25.2	24.8	3.1	4.4	E	30
26/10/06	2:30 AM	24.8	24.9	24.5	1.4	2.1	E	30
26/10/06	3:00 AM	24.8	25.0	24.7	1.7	3.3	NNE	30
26/10/06	3:30 AM	24.2	24.5	24.1	2.9	4.2	NNE	30
26/10/06	4:00 AM	24.3	24.3	24.1	2.2	2.3	NNE	30
26/10/06	4:30 AM	24.2	24.4	24.0	1.7	3.8	NNE	30
26/10/06	5:00 AM	24.4	24.7	24.2	1.6	2.0	NEE	30
26/10/06	5:30 AM	24.4	24.8	24.3	1.1	1.4	NE	30
26/10/06	6:00 AM	24.2	24.4	24.0	1.7	2.1	NNE	30
26/10/06	6:30 AM	24.1	24.2	24.0	2.7	4.8	NNE	30
26/10/06	7:00 AM	24.1	24.5	24.0	2.7	3.2	NE	30
26/10/06	7:30 AM	24.1	24.5	24.1	2.7	4.4	NNE	30
26/10/06	8:00 AM	24.2	24.2	24.1	2.2	3.9	NEE	30
26/10/06	8:30 AM	24.2	24.3	24.1	1.7	3.9	NEE	30
26/10/06	9:00 AM	24.5	24.7	24.4	1.7	3.3	NE	30
26/10/06	9:30 AM	25.6	25.9	25.4	2.2	2.6	NEE	30
26/10/06	10:00 AM	25.3	25.3	25.1	2.2	3.3	NE	30
26/10/06	10:30 AM	25.8	25.9	25.6	3.3	4.5	NE	30
26/10/06	11:00 AM	26.8	27.0	26.7	3.3	3.7	NE	30
26/10/06	11:30 AM	27.5	27.7	27.5	2.2	3.3	E	30
26/10/06	12:00 PM	28.0	28.1	27.8	3.5	5.4	NEE	30
26/10/06	12:30 PM	28.9	28.9	28.9	2.6	3.9	SEE	30
26/10/06	1:00 PM	28.2	28.3	27.9	2.0	2.9	SE	30
26/10/06	1:30 PM	29.0	29.1	28.9	0.8	1.1	NEE	30
26/10/06	2:00 PM	28.8	29.0	28.8	2.8	4.7	NE	30
26/10/06	2:30 PM	28.2	28.5	28.1	2.2	3.7	SEE	30
26/10/06	3:00 PM	28.0	28.1	27.9	1.7	2.2	SEE	30
26/10/06	3:30 PM	26.9	26.9	26.8	1.1	1.8	SE	30
26/10/06	4:00 PM	26.3	26.6	26.2	2.2	3.6	SSE	30
26/10/06	4:30 PM	26.0	26.2	25.9	1.6	2.8	SSE	30
26/10/06	5:00 PM	25.5	25.5	25.4	1.5	3.2	SSE	30
26/10/06	5:30 PM	24.9	25.3	24.9	0.6	1.2	NNE	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind	Period
		Temp	Temp	Temp	Average	Hi	Direction	
26/10/06	6:00 PM	23.4	23.8	23.2	0.2	1.4	SSE	30
26/10/06	6:30 PM	24.0	24.1	23.9	1.0	1.4	NE	30
26/10/06	7:00 PM	24.1	24.4	24.0	0.6	2.7	NE	30
26/10/06	7:30 PM	24.2	24.3	24.1	1.1	2.9	E	30
26/10/06	8:00 PM	24.3	24.4	24.1	1.1	2.2	N	30
26/10/06	8:30 PM	24.2	24.5	24.0	1.2	2.3	NNE	30
26/10/06	9:00 PM	24.2	24.6	24.1	1.1	1.1	NNE	30
26/10/06	9:30 PM	24.2	24.5	24.1	1.1	2.4	NNE	30
26/10/06	10:00 PM	25.0	25.3	24.8	1.1	3.1	NEE	30
26/10/06	10:30 PM	24.9	25.0	24.9	2.0	3.5	NNE	30
26/10/06	11:00 PM	24.9	25.2	24.8	1.3	1.3	NEE	30
26/10/06	11:30 PM	25.0	25.4	24.8	2.2	2.4	E	30
27/10/06	12:00 AM	25.0	25.0	24.8	1.7	3.6	SE	30
27/10/06	12:30 AM	24.9	25.0	24.7	1.7	2.0	SEE	30
27/10/06	1:00 AM	24.7	24.7	24.7	2.1	3.2	E	30
27/10/06	1:30 AM	24.2	24.4	23.9	0.8	1.9	NEE	30
27/10/06	2:00 AM	24.2	24.5	24.0	1.7	2.2	E	30
27/10/06	2:30 AM	24.2	24.3	24.0	2.5	3.3	NNE	30
27/10/06	3:00 AM	24.0	24.1	23.8	1.5	2.6	NEE	30
27/10/06	3:30 AM	23.7	23.8	23.6	2.1	2.3	NNW	30
27/10/06	4:00 AM	23.3	23.6	23.1	1.7	1.8	N	30
27/10/06	4:30 AM	23.0	23.1	23.0	1.1	2.4	NNW	30
27/10/06	5:00 AM	22.3	22.4	22.1	1.7	2.9	NNW	30
27/10/06	5:30 AM	22.0	22.4	21.9	1.0	2.9	NEE	30
27/10/06	6:00 AM	22.0	22.4	21.8	1.7	2.4	NE	30
27/10/06	6:30 AM	21.6	21.9	21.4	1.4	3.5	NE	30
27/10/06	7:00 AM	21.8	21.9	21.5	1.7	3.2	NE	30
27/10/06	7:30 AM	22.2	22.3	22.0	1.9	4.1	NE	30
27/10/06	8:00 AM	22.6	22.6	22.5	2.2	4.3	NNW	30
27/10/06	8:30 AM	23.8	23.9	23.6	2.2	3.1	E	30
27/10/06	9:00 AM	24.2	24.4	23.9	1.7	3.5	NEE	30
27/10/06	9:30 AM	25.0	25.2	25.0	2.5	4.8	N	30
27/10/06	10:00 AM	25.6	25.6	25.4	2.1	4.2	NE	30
27/10/06	10:30 AM	26.7	26.9	26.4	2.4	4.7	NEE	30
27/10/06	11:00 AM	27.2	27.3	27.2	2.7	3.9	NEE	30
27/10/06	11:30 AM	27.2	27.3	27.1	3.3	3.6	NEE	30
27/10/06	12:00 PM	27.8	28.0	27.6	4.0	5.0	NEE	30
27/10/06	12:30 PM	28.0	28.4	27.9	2.5	3.2	NE	30
27/10/06	1:00 PM	28.5	28.7	28.5	2.9	4.5	NNE	30
27/10/06	1:30 PM	28.2	28.6	28.1	2.9	4.1	E	30
27/10/06	2:00 PM	28.2	28.4	28.0	3.3	4.9	E	30
27/10/06	2:30 PM	28.5	28.7	28.4	1.7	2.6	NNE	30
27/10/06	3:00 PM	28.0	28.4	27.8	1.7	2.7	NE	30
27/10/06	3:30 PM	26.7	27.1	26.5	2.2	2.3	NEE	30
27/10/06	4:00 PM	26.2	26.5	25.9	2.5	4.0	SSE	30
27/10/06	4:30 PM	25.8	26.1	25.7	0.4	2.7	NE	30
27/10/06	5:00 PM	25.0	25.1	24.9	0.4	0.7	N	30
27/10/06	5:30 PM	24.5	24.7	24.2	0.8	1.1	SSE	30
27/10/06	6:00 PM	25.0	25.3	25.0	1.7	3.9	SSE	30
27/10/06	6:30 PM	24.9	25.1	24.7	2.1	3.1	SE	30
27/10/06	7:00 PM	25.0	25.3	24.7	1.6	2.5	SSE	30
27/10/06	7:30 PM	23.5	23.9	23.3	0.4	2.1	NNE	30
27/10/06	8:00 PM	22.7	22.9	22.5	0.1	0.7	SEE	30
27/10/06	8:30 PM	22.5	22.6	22.4	0.4	1.4	NW	30
27/10/06	9:00 PM	22.9	23.3	22.7	0.5	2.7	N	30
27/10/06	9:30 PM	24.5	24.6	24.4	1.7	2.8	NNE	30
27/10/06	10:00 PM	24.2	24.3	24.1	0.8	1.2	N	30
27/10/06	10:30 PM	25.0	25.2	24.8	1.7	3.6	SEE	30
27/10/06	11:00 PM	25.0	25.1	24.8	1.3	2.0	NE	30
27/10/06	11:30 PM	25.2	25.6	25.0	2.5	3.3	SEE	30
28/10/06	12:00 AM	25.1	25.4	24.9	1.7	1.9	E	30
28/10/06	12:30 AM	25.0	25.2	24.9	1.7	2.1	NEE	30
28/10/06	1:00 AM	24.2	24.3	23.9	0.8	1.7	N	30
28/10/06	1:30 AM	23.1	23.3	22.9	1.7	2.1	NE	30
28/10/06	2:00 AM	22.8	23.0	22.7	1.7	2.2	NE	30
28/10/06	2:30 AM	22.6	23.0	22.3	0.7	0.8	NE	30
28/10/06	3:00 AM	22.3	22.6	22.1	0.1	0.2	NE	30
28/10/06	3:30 AM	21.9	22.3	21.7	0.5	1.3	N	30
28/10/06	4:00 AM	21.9	22.2	21.8	0.4	1.9	NEE	30
28/10/06	4:30 AM	21.6	21.8	21.3	0.2	1.7	N	30
28/10/06	5:00 AM	21.3	21.4	21.2	0.8	0.8	NE	30
28/10/06	5:30 AM	21.0	21.2	20.8	1.7	2.4	NEE	30
28/10/06	6:00 AM	20.9	21.0	20.9	1.8	2.5	NEE	30
28/10/06	6:30 AM	20.8	21.0	20.8	1.4	1.7	E	30
28/10/06	7:00 AM	21.0	21.1	20.8	1.3	2.9	NEE	30
28/10/06	7:30 AM	22.8	22.9	22.7	2.0	2.6	NEE	30
28/10/06	8:00 AM	24.5	24.8	24.5	1.7	2.6	NEE	30
28/10/06	8:30 AM	25.3	25.6	25.2	2.4	4.6	NEE	30
28/10/06	9:00 AM	26.0	26.4	25.9	2.5	2.7	N	30
28/10/06	9:30 AM	26.8	27.0	26.6	2.5	4.4	NEE	30
28/10/06	10:00 AM	27.4	27.6	27.1	2.3	3.6	NE	30
28/10/06	10:30 AM	25.8	25.9	25.5	3.3	4.0	NE	30
28/10/06	11:00 AM	26.8	27.2	26.6	3.3	3.9	NE	30
28/10/06	11:30 AM	27.5	27.9	27.4	2.2	3.9	E	30
28/10/06	12:00 PM	28.0	28.1	27.8	3.5	5.3	NEE	30
28/10/06	12:30 PM	28.9	29.1	28.9	2.6	3.7	SEE	30
28/10/06	1:00 PM	28.2	28.4	28.0	2.0	3.0	SE	30
28/10/06	1:30 PM	29.0	29.0	28.7	0.8	2.0	NEE	30
28/10/06	2:00 PM	28.8	29.1	28.7	2.8	3.5	NE	30
28/10/06	2:30 PM	28.2	28.5	28.2	2.2	3.8	SEE	30
28/10/06	3:00 PM	28.0	28.1	28.0	1.7	2.2	SEE	30
28/10/06	3:30 PM	26.9	27.0	26.7	1.1	1.4	SE	30
28/10/06	4:00 PM	26.3	26.5	26.2	2.2	3.7	SSE	30
28/10/06	4:30 PM	26.0	26.2	25.8	1.6	2.9	SSE	30
28/10/06	5:00 PM	25.5	25.8	25.3	1.5	2.1	SSE	30
28/10/06	5:30 PM	24.9	25.0	24.9	0.6	1.2	NNE	30
28/10/06	6:00 PM	23.4	23.4	23.1	0.2	0.3	SSE	30
28/10/06	6:30 PM	24.0	24.2	23.7	1.0	3.0	NE	30
28/10/06	7:00 PM	24.1	24.2	24.1	0.6	1.0	NE	30
28/10/06	7:30 PM	24.2	24.3	24.1	1.1	1.7	E	30
28/10/06	8:00 PM	24.3	24.5	24.1	1.1	2.6	N	30
28/10/06	8:30 PM	24.2	24.4	24.0	1.2	3.5	NNE	30
28/10/06	9:00 PM	24.2	24.6	23.9	1.1	3.2	NNE	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind	Period
		Temp	Temp	Temp	Average	Hi	Direction	
28/10/06	9:30 PM	24.2	24.4	24.1	1.1	1.6	NNE	30
28/10/06	10:00 PM	25.0	25.1	25.0	1.1	2.0	NEE	30
28/10/06	10:30 PM	24.9	25.3	24.8	2.0	3.7	NNE	30
28/10/06	11:00 PM	24.9	25.1	24.7	1.3	2.2	NEE	30
28/10/06	11:30 PM	25.0	25.2	24.9	2.2	3.9	E	30
29/10/06	12:00 AM	25.0	25.2	24.8	1.7	1.9	SE	30
29/10/06	12:30 AM	24.9	24.9	24.7	1.7	2.2	SEE	30
29/10/06	1:00 AM	24.7	24.8	24.7	2.1	3.2	E	30
29/10/06	1:30 AM	24.2	24.4	24.0	0.8	2.0	NEE	30
29/10/06	2:00 AM	24.2	24.2	24.1	1.7	2.7	E	30
29/10/06	2:30 AM	24.2	24.5	24.1	2.5	2.8	NNE	30
29/10/06	3:00 AM	24.0	24.3	23.7	1.5	1.5	NEE	30
29/10/06	3:30 AM	23.7	23.9	23.7	2.1	3.4	NNW	30
29/10/06	4:00 AM	23.3	23.5	23.1	1.7	2.7	N	30
29/10/06	4:30 AM	23.0	23.2	22.8	1.1	2.8	NNW	30
29/10/06	5:00 AM	22.3	22.5	22.1	1.7	3.5	NNW	30
29/10/06	5:30 AM	22.0	22.2	21.9	1.0	1.7	NEE	30
29/10/06	6:00 AM	22.0	22.0	21.8	1.7	2.1	NE	30
29/10/06	6:30 AM	21.6	21.9	21.5	1.4	3.0	NE	30
29/10/06	7:00 AM	21.8	22.2	21.6	1.7	1.9	NE	30
29/10/06	7:30 AM	22.2	22.4	22.0	1.9	2.1	NE	30
29/10/06	8:00 AM	22.6	22.7	22.4	2.2	3.5	NNW	30
29/10/06	8:30 AM	23.8	24.1	23.6	2.2	3.2	E	30
29/10/06	9:00 AM	24.2	24.6	24.1	1.7	3.7	NEE	30
29/10/06	9:30 AM	25.0	25.3	24.7	2.5	4.7	N	30
29/10/06	10:00 AM	25.6	25.9	25.4	2.1	2.2	NE	30
29/10/06	10:30 AM	26.7	26.7	26.6	2.4	4.0	NEE	30
29/10/06	11:00 AM	27.2	27.3	27.0	2.7	3.3	NEE	30
29/10/06	11:30 AM	27.2	27.3	27.0	3.3	4.5	NEE	30
29/10/06	12:00 PM	27.8	28.1	27.6	4.0	5.8	NEE	30
29/10/06	12:30 PM	28.0	28.4	27.8	2.5	3.6	NE	30
29/10/06	1:00 PM	28.5	28.7	28.5	2.9	4.6	NNE	30
29/10/06	1:30 PM	28.2	28.5	28.0	2.9	3.9	E	30
29/10/06	2:00 PM	28.2	28.3	27.9	3.3	3.8	E	30
29/10/06	2:30 PM	28.5	28.7	28.3	1.7	2.7	NNE	30
29/10/06	3:00 PM	28.0	28.0	27.8	1.7	1.9	NE	30
29/10/06	3:30 PM	26.7	27.0	26.7	2.2	3.8	NEE	30
29/10/06	4:00 PM	26.2	26.2	26.2	2.5	3.6	SSE	30
29/10/06	4:30 PM	25.8	26.0	25.6	0.4	2.7	NE	30
29/10/06	5:00 PM	25.0	25.4	24.8	0.4	1.2	N	30
29/10/06	5:30 PM	24.5	24.7	24.4	0.8	1.7	SSE	30
29/10/06	6:00 PM	25.0	25.3	24.9	1.7	2.2	SSE	30
29/10/06	6:30 PM	24.9	25.2	24.8	2.1	2.5	SE	30
29/10/06	7:00 PM	25.0	25.3	24.8	1.6	2.8	SSE	30
29/10/06	7:30 PM	23.5	23.9	23.2	0.4	1.7	NNE	30
29/10/06	8:00 PM	22.7	22.9	22.6	0.1	1.1	SEE	30
29/10/06	8:30 PM	22.5	22.6	22.5	0.4	1.5	NW	30
29/10/06	9:00 PM	22.9	23.2	22.6	0.5	1.7	N	30
29/10/06	9:30 PM	24.5	24.8	24.3	1.7	3.7	NNE	30
29/10/06	10:00 PM	24.2	24.6	24.0	0.8	3.0	N	30
29/10/06	10:30 PM	25.0	25.3	24.8	1.7	3.3	SEE	30
29/10/06	11:00 PM	25.0	25.3	24.7	1.3	2.0	NE	30
29/10/06	11:30 PM	25.2	25.5	25.0	2.5	2.8	SEE	30
30/10/06	12:00 AM	25.1	25.3	24.9	1.7	2.4	E	30
30/10/06	12:30 AM	25.0	25.2	24.9	1.7	3.7	NEE	30
30/10/06	1:00 AM	24.2	24.4	24.1	0.8	1.6	N	30
30/10/06	1:30 AM	23.1	23.3	23.1	1.7	2.3	NE	30
30/10/06	2:00 AM	22.8	23.1	22.7	1.7	3.0	NE	30
30/10/06	2:30 AM	22.6	22.8	22.3	0.7	2.4	NE	30
30/10/06	3:00 AM	22.3	22.5	22.1	0.1	1.3	NE	30
30/10/06	3:30 AM	21.9	22.1	21.9	0.5	2.6	N	30
30/10/06	4:00 AM	21.9	22.3	21.8	0.4	0.7	NEE	30
30/10/06	4:30 AM	21.6	21.7	21.3	0.2	1.1	N	30
30/10/06	5:00 AM	21.3	21.7	21.2	0.8	2.1	NE	30
30/10/06	5:30 AM	21.0	21.4	20.9	1.7	3.7	NEE	30
30/10/06	6:00 AM	20.9	21.0	20.7	1.8	3.5	NEE	30
30/10/06	6:30 AM	20.8	20.9	20.6	1.4	2.2	E	30
30/10/06	7:00 AM	21.0	21.0	20.8	1.3	2.7	NEE	30
30/10/06	7:30 AM	22.8	23.1	22.7	2.0	2.0	NEE	30
30/10/06	8:00 AM	24.5	24.7	24.2	1.7	1.9	NEE	30
30/10/06	8:30 AM	25.3	25.6	25.2	2.4	3.9	NEE	30
30/10/06	9:00 AM	26.0	26.4	25.7	2.5	3.0	N	30
30/10/06	9:30 AM	26.8	27.0	26.6	2.5	2.5	NEE	30
30/10/06	10:00 AM	27.4	27.7	27.4	2.3	4.1	NE	30
30/10/06	10:30 AM	25.8	26.0	25.6	3.3	4.5	NE	30
30/10/06	11:00 AM	27.7	27.9	27.5	2.6	4.4	NEE	30
30/10/06	11:30 AM	28.5	28.8	28.4	1.2	1.7	NE	30
30/10/06	12:00 PM	28.8	29.0	28.8	1.6	3.6	NNE	30
30/10/06	12:30 PM	29.1	29.1	29.0	2.8	4.0	E	30
30/10/06	1:00 PM	29.0	29.3	28.9	3.3	5.2	E	30
30/10/06	1:30 PM	29.2	29.3	29.1	3.3	4.2	NEE	30
30/10/06	2:00 PM	29.3	29.5	29.0	2.5	3.9	NEE	30
30/10/06	2:30 PM	29.3	29.3	29.2	1.8	3.1	NE	30
30/10/06	3:00 PM	28.2	28.5	28.1	1.7	3.9	E	30
30/10/06	3:30 PM	26.6	26.8	26.5	1.6	1.8	NEE	30
30/10/06	4:00 PM	25.6	25.7	25.4	1.0	1.1	SEE	30
30/10/06	4:30 PM	24.7	25.0	24.6	1.1	2.2	NEE	30
30/10/06	5:00 PM	24.1	24.1	24.0	0.6	2.2	NNE	30
30/10/06	5:30 PM	23.2	23.5	23.2	1.1	1.9	NW	30
30/10/06	6:00 PM	22.8	23.0	22.7	0.1	0.3	NW	30
30/10/06	6:30 PM	22.5	22.8	22.4	0.6	2.4	N	30
30/10/06	7:00 PM	22.1	22.1	22.1	0.6	0.8	SE	30
30/10/06	7:30 PM	22.6	22.7	22.5	0.7	1.2	SEE	30
30/10/06	8:00 PM	22.1	22.3	21.9	0.1	1.1	N	30
30/10/06	8:30 PM	23.0	23.2	22.8	1.7	2.7	NNE	30
30/10/06	9:00 PM	22.8	23.1	22.5	1.2	2.8	NNE	30
30/10/06	9:30 PM	22.6	22.6	22.4	1.4	1.6	NNE	30
30/10/06	10:00 PM	23.0	23.3	22.9	1.1	2.0	NE	30
30/10/06	10:30 PM	24.0	24.2	23.9	2.2	2.9	NNE	30
30/10/06	11:00 PM	24.0	24.3	23.8	2.3	2.5	NNE	30
30/10/06	11:30 PM	24.0	24.3	23.7	2.0	3.3	NNE	30
31/10/06	12:00 AM	24.0	24.0	23.8	1.7	3.2	NEE	30
31/10/06	12:30 AM	24.8	24.8	24.7	1.4	3.4	E	30

Weather information in October 2006

Date (DMY)	Time	Average	Hi	Low	Wind Speed (m/s)		Wind	Period
		Temp	Temp	Temp	Average	Hi	Direction	
31/10/06	1:00 AM	24.8	25.0	24.5	1.7	3.5	E	30
31/10/06	1:30 AM	24.6	24.9	24.5	2.2	2.8	SEE	30
31/10/06	2:00 AM	24.2	24.6	24.0	2.1	3.8	NE	30
31/10/06	2:30 AM	23.0	23.3	23.0	0.6	1.1	NNW	30
31/10/06	3:00 AM	22.5	22.9	22.4	0.1	0.6	N	30
31/10/06	3:30 AM	22.0	22.2	21.9	1.1	1.3	NEE	30
31/10/06	4:00 AM	22.0	22.0	21.8	0.8	1.5	NEE	30
31/10/06	4:30 AM	21.6	21.7	21.5	1.1	1.8	N	30
31/10/06	5:00 AM	22.0	22.3	21.8	2.2	2.7	N	30
31/10/06	5:30 AM	22.3	22.4	22.3	1.7	2.8	NNE	30
31/10/06	6:00 AM	22.0	22.2	21.8	2.2	2.8	NNE	30
31/10/06	6:30 AM	22.0	22.3	21.8	2.6	4.5	N	30
31/10/06	7:00 AM	22.0	22.2	21.9	2.0	4.1	NE	30
31/10/06	7:30 AM	22.5	22.9	22.5	2.0	2.6	N	30
31/10/06	8:00 AM	22.6	22.7	22.6	2.8	2.9	NE	30
31/10/06	8:30 AM	23.9	24.2	23.7	2.8	3.4	NE	30
31/10/06	9:00 AM	24.7	24.7	24.6	2.8	4.3	NE	30
31/10/06	9:30 AM	25.0	25.3	24.9	2.8	4.2	NE	30
31/10/06	10:00 AM	25.5	25.7	25.5	2.2	3.2	NE	30
31/10/06	10:30 AM	25.5	25.9	25.3	2.3	2.4	N	30
31/10/06	11:00 AM	26.5	26.7	26.3	2.3	4.5	NE	30
31/10/06	11:30 AM	27.0	27.0	26.8	2.0	3.1	NE	30
31/10/06	12:00 PM	27.6	27.9	27.6	3.5	4.5	NE	30
31/10/06	12:30 PM	28.5	28.8	28.2	2.2	2.6	NE	30
31/10/06	1:00 PM	28.0	28.2	27.9	2.3	4.5	NE	30
31/10/06	1:30 PM	28.0	28.4	27.9	2.4	4.7	NE	30
31/10/06	2:00 PM	28.4	28.8	28.2	3.0	5.2	NE	30
31/10/06	2:30 PM	28.0	28.2	28.0	2.3	3.2	NE	30
31/10/06	3:00 PM	28.0	28.3	28.0	1.7	2.1	NE	30
31/10/06	3:30 PM	27.5	27.7	27.3	1.7	2.3	NE	30
31/10/06	4:00 PM	27.0	27.4	26.7	1.1	3.0	NE	30
31/10/06	4:30 PM	26.5	26.5	26.4	1.1	2.9	NE	30
31/10/06	5:00 PM	26.0	26.2	25.8	1.0	1.9	NE	30
31/10/06	5:30 PM	25.8	26.2	25.8	1.2	2.4	NE	30
31/10/06	6:00 PM	25.0	25.4	24.9	1.4	2.2	NE	30
31/10/06	6:30 PM	24.9	24.9	24.9	1.1	2.9	NE	30
31/10/06	7:00 PM	24.2	24.5	24.0	2.0	3.4	NE	30
31/10/06	7:30 PM	24.5	24.8	24.4	2.2	2.3	NE	30
31/10/06	8:00 PM	24.1	24.3	23.8	1.4	1.9	NE	30
31/10/06	8:30 PM	23.5	23.5	23.3	1.1	1.8	NE	30
31/10/06	9:00 PM	23.3	23.5	23.1	0.6	1.1	NE	30
31/10/06	9:30 PM	23.0	23.4	22.8	0.4	2.0	NE	30
31/10/06	10:00 PM	24.0	24.3	23.9	3.3	5.4	NE	30
31/10/06	10:30 PM	24.9	25.1	24.7	3.5	5.1	NE	30
31/10/06	11:00 PM	24.5	24.8	24.3	3.3	4.0	NE	30
31/10/06	11:30 PM	24.5	24.5	24.3	3.4	5.0	NE	30



Appendix F

Event-Action Plans

EVENT/ACTION PLAN FOR AIR QUALITY EXCEEDANCE

EVENT	ACTION				Contractor
	ET Leader	IC(E)	ER		
	ACTION LEVEL				
1. Exceedance for one sample	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by the ET 2. Check contractor's working method 	<ol style="list-style-type: none"> 1. Notify Contractor 	<ol style="list-style-type: none"> 1. Rectify any unacceptable practise 2. Amend working methods if appropriate 	
2. Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by the ET 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 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing 2. Notify the Contractor 3. Ensure remedial measures properly implemented 	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 1. Check monitoring data submitted by the ET 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 	<ol style="list-style-type: none"> 1. Confirm receipt of notification of failure in writing 2. Notify the Contractor 3. Ensure remedial measures properly implemented 	<ol style="list-style-type: none"> 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/ACTION PLAN FOR AIR QUALITY EXCEEDANCE

EVENT	ACTION			Contractor
	ET Leader	IC(E)	ER	
2. Exceedance for two or more consecutive samples	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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/ACTION PLAN FOR NOISE EXCEEDANCE

EVENT	ACTION			
	ET Leader	IC(E)	ER	Contractor
Action Level	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 1. Submit noise mitigation proposals to IC(E). 2. Implement noise mitigation proposals.
Limit Level	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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 AND ACTION PLAN FOR WATER QUALITY EXCEEDANCE

Event	ACTION			IEC
	ET Leader	Contractor	ER	
<p>Action level being exceeded by one sampling day</p>	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 AND ACTION PLAN FOR WATER QUALITY

Event	ACTION			IEC
	ET Leader	Contractor	ER	
<p>Action level being exceeded by more than one consecutive sampling days</p>	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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 AND ACTION PLAN FOR WATER QUALITY EXCEEDANCE

Event	ACTION			IEC
	ET Leader	Contractor	ER	
Limit level being exceeded by one sampling day	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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 	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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 AND ACTION PLAN FOR WATER QUALITY EXCEEDANCE

Event	ACTION		
	ET Leader	Contractor	ER
Limit Level being exceeded by more than one consecutive sampling days	<ol style="list-style-type: none"> 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. 	<ol style="list-style-type: none"> 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 activities. 	<ol style="list-style-type: none"> 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.
			IEC
			<ol style="list-style-type: none"> 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



Appendix G

Construction Programme

Get ID	Description	Days	Target Start	Early Start	Target Finish	Early Finish	SEP	OCT	NOV	DEC	JAN	FEB
Variation Orders and Additional Works												
VOF1_000	Receipt of Verbal Instruction, CVI A016	0	22SEP06 A			100						
VOF1_010	Issuance of Variation Order No.1	0	10OCT06 A			100						
VOF1_100	Procurement & Planning	5	22SEP06	26SEP06 A	26SEP06 A	100						
VOF1_200	Site Delivery & Erection	4	27SEP06	30SEP06 A	30SEP06 A	100						
VARIATION ORDER No.1												
VOF2_000	Issuance of Variation Order No.2	0	13OCT06 A			100						
VOF2_100	Design, Planning & Procurement	14	06OCT06	19OCT06 A	19OCT06 A	100						
VOF2_200	Liaison with PBRZ	21	08OCT06	28OCT06 A	28OCT06 A	100						
VOF2_300	Concrete Paving near Wheel Washing Bay B2	5	29OCT06	24OCT06 A	21OCT06 A	100						
VOF2_400	Concrete Paving near Recorder House B3	18	27OCT06	12NOV06	12NOV06	0						
VOF2_500	Concrete Paving near Tripping Hall B3	10	14NOV06	23NOV06	23NOV06	0						
VARIATION ORDER No.2												
VOF3_000	Issuance of Variation Order No.3	0	16OCT06 A			100						
VOF3_100	Procurement & Planning	7	09OCT06	12OCT06 A	12OCT06 A	100						
VOF3_200	Construction along Southbound Lane of Access	2	21OCT06	22OCT06 A	22OCT06 A	100						
VOF3_300	Construction along Northbound Lane of Access	2	28OCT06	29OCT06	29OCT06	0						
VARIATION ORDER No.3												
VOF4_000	Issuance of Variation Order No.4	0	26OCT06 A			100						
VOF4_100	Design, Planning & Procurement	14	02OCT06	15OCT06 A	15OCT06 A	100						
VOF4_200	Section IF (approx. 35m x 35m)	7	16OCT06	22OCT06 A	22OCT06 A	100						
VOF4_300	Section S1 (approx. 8m x 210m)	12	18OCT06	29OCT06 A	29OCT06 A	100						
VOF4_400	Section B2 (approx. 10m x 150m)	12	30OCT06	16NOV06	07NOV06	0						
VOF4_500	Section S3 (approx. 8m x 140m)	10	11NOV06	20NOV06	17NOV06	0						
VOF4_600	Section B4 (approx. 10m x 40m)	7	21NOV06	18NOV06	24NOV06	0						
VOF4_700	Section S5 (approx. 8m x 80m)	10	28NOV06	25NOV06	04DEC06	0						
VOF4_800	Section B6 (approx. 10m x 40m)	7	08DEC06	05DEC06	11DEC06	0						

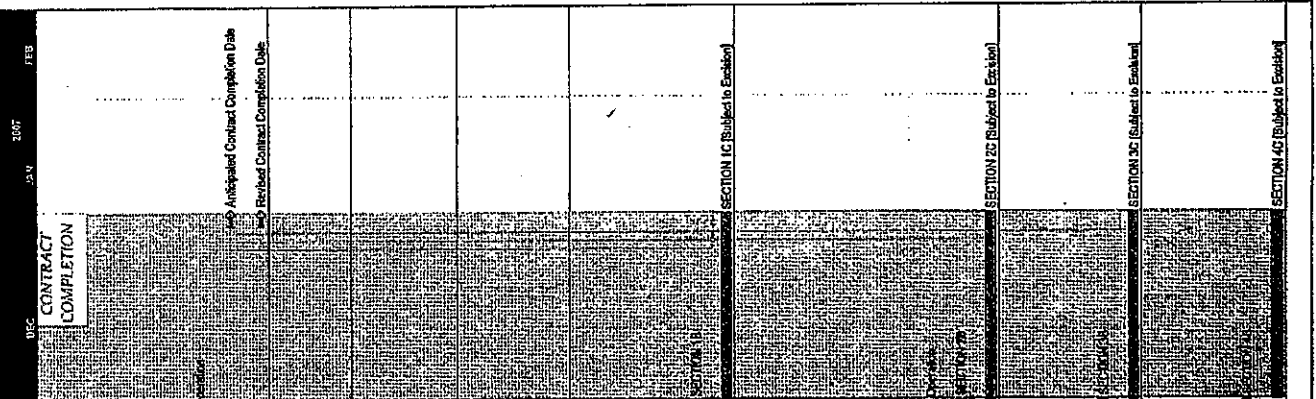


CV/2006/02 - Operation of Public
Fill Reception Facilities at Tuen Mun Area 38,
Tseung Kwan O Area 137, Quarry Bay & Mui Wo

Main Contractor: Concentric Construction Ltd.

Date	Revision	Checked	Approved	Easy bar
01SEP06	Rev. 0	SC	CPL	Target start point
27SEP06	Revision R001	SC	CPL	Target finish point
27OCT06	Rev. 1	SC	CPL	Target start point
28OCT06	Revision R102	SC	CPL	Target finish point
				Program bar
				Critical bar
				Summary bar
				Start/finish point
				Finish milestone point

Act ID	Description	Days	Target Start	Early Start	Target Finish	Early Finish
GCC Clause 16 Programme						
ACCEPTANCE OF TENDER						
KD-001	Acceptance of Tender	0	23AUG06 A			100
KD-002	Commencement of the Works	0	28AUG06 A			100
KD-003	Commencement of Crushing Plant Operation	0	25OCT06 A			100
KD-101	Anticipated Contract Completion Date	0			07JAN07	0
KD-102	Revised Contract Completion Date	0			07JAN07	0
PROVISION OF PFRF						
P-001	Take Over Portions A1/A2 and B1/B2	0	28AUG06 A			100
P-002	Take Over Portions A3/A4, B3/B4, C1/C2 & D	0	01SEP06 A			100
PROVISION OF PFRF - CONTRACTOR'S RESPONSIBILITIES						
I-0100	Take over Principal Site Office for the Engineer	0	01SEP06 A			100
I-0200	Provision of Transport for the Engineer	7	28AUG06 A			25SEP06 A
PROVISION OF PFRF - CONTRACTOR'S RESPONSIBILITIES						
I-1100	Temporary Accommodation for Contractor	0	28AUG06 A			100
I-1200	Setup of Environmental Team and Start EM&A	0	28AUG06 A			100
I-1300	Contractor's Submissions	14	28AUG06 A			27OCT06
PROVISION OF PFRF - CONTRACTOR'S RESPONSIBILITIES						
A-0000	Commence Operation of the PFRF in Portion A	0	01SEP06 A			100
A-1000	SECTION 1A	65	28AUG06 A			31OCT06
A-2000	SECTION 1B	30	01NOV06			30NOV06
A-3000	SECTION 1C (Subject to Excision)	36	01DEC06			07JAN07
PROVISION OF PFRF - CONTRACTOR'S RESPONSIBILITIES						
B-0000	Commence Operation of the PFRF in Portion B	0	01SEP06 A			100
B-1000	SECTION 2A	65	28AUG06 A			31OCT06
B-1100	Crushing Plant - Design & Setup	25	28AUG06 A			04OCT06 A
B-1200	Crushing Plant - Trial Testing	3	06OCT06 A			14OCT06 A
B-1300	Crushing Plant - Approval for Operation	25	28AUG06 A			22SEP06 A
B-1400	Crushing Plant - Commencement of Operation	0	25OCT06 A			100
B-2000	SECTION 2B	30	01NOV06			30NOV06
B-3000	SECTION 2C (Subject to Excision)	36	01DEC06			07JAN07
PROVISION OF PFRF - CONTRACTOR'S RESPONSIBILITIES						
C-0000	Commence Operation of the PFRF in Portion C	0	01SEP06 A			100
C-1000	SECTION 3A	65	28AUG06 A			31OCT06
C-2000	SECTION 3B	30	01NOV06			30NOV06
C-3000	SECTION 3C (Subject to Excision)	36	01DEC06			07JAN07
PROVISION OF PFRF - CONTRACTOR'S RESPONSIBILITIES						
D-0000	Commence Operation of the PFRF in Portion D	0	01SEP06 A			100
D-1000	SECTION 4A	65	28AUG06 A			31OCT06
D-2000	SECTION 4B	30	01NOV06			30NOV06
D-3000	SECTION 4C (Subject to Excision)	36	01DEC06			07JAN07



Activity	Start	End	Notes
Acceptance of Tender	23AUG06	23AUG06	
Commencement of Works	28AUG06	28AUG06	
Commencement of Crushing Plant Operation	25OCT06	25OCT06	
Anticipated Contract Completion Date	07JAN07	07JAN07	
Revised Contract Completion Date	07JAN07	07JAN07	
Take Over Portions A1/A2 and B1/B2	28AUG06	28AUG06	
Take Over Portions A3/A4, B3/B4, C1/C2 & D	01SEP06	01SEP06	
Take over Principal Site Office for the Engineer	01SEP06	01SEP06	
Provision of Transport for the Engineer	28AUG06	25SEP06	
Temporary Accommodation for Contractor	28AUG06	28AUG06	
Setup of Environmental Team and Start EM&A	28AUG06	28AUG06	
Contractor's Submissions	28AUG06	27OCT06	
Commence Operation of the PFRF in Portion A	01SEP06	01SEP06	
SECTION 1A	28AUG06	31OCT06	
SECTION 1B	01NOV06	30NOV06	
SECTION 1C (Subject to Excision)	01DEC06	07JAN07	
Commence Operation of the PFRF in Portion B	01SEP06	01SEP06	
SECTION 2A	28AUG06	31OCT06	
Crushing Plant - Design & Setup	28AUG06	04OCT06	
Crushing Plant - Trial Testing	06OCT06	14OCT06	
Crushing Plant - Approval for Operation	28AUG06	22SEP06	
Crushing Plant - Commencement of Operation	25OCT06	25OCT06	
SECTION 2B	01NOV06	30NOV06	
SECTION 2C (Subject to Excision)	01DEC06	07JAN07	
Commence Operation of the PFRF in Portion C	01SEP06	01SEP06	
SECTION 3A	28AUG06	31OCT06	
SECTION 3B	01NOV06	30NOV06	
SECTION 3C (Subject to Excision)	01DEC06	07JAN07	
Commence Operation of the PFRF in Portion D	01SEP06	01SEP06	
SECTION 4A	28AUG06	31OCT06	
SECTION 4B	01NOV06	30NOV06	
SECTION 4C (Subject to Excision)	01DEC06	07JAN07	

Activity	Start	End	Notes
Acceptance of Tender	23AUG06	23AUG06	
Commencement of Works	28AUG06	28AUG06	
Commencement of Crushing Plant Operation	25OCT06	25OCT06	
Anticipated Contract Completion Date	07JAN07	07JAN07	
Revised Contract Completion Date	07JAN07	07JAN07	
Take Over Portions A1/A2 and B1/B2	28AUG06	28AUG06	
Take Over Portions A3/A4, B3/B4, C1/C2 & D	01SEP06	01SEP06	
Take over Principal Site Office for the Engineer	01SEP06	01SEP06	
Provision of Transport for the Engineer	28AUG06	25SEP06	
Temporary Accommodation for Contractor	28AUG06	28AUG06	
Setup of Environmental Team and Start EM&A	28AUG06	28AUG06	
Contractor's Submissions	28AUG06	27OCT06	
Commence Operation of the PFRF in Portion A	01SEP06	01SEP06	
SECTION 1A	28AUG06	31OCT06	
SECTION 1B	01NOV06	30NOV06	
SECTION 1C (Subject to Excision)	01DEC06	07JAN07	
Commence Operation of the PFRF in Portion B	01SEP06	01SEP06	
SECTION 2A	28AUG06	31OCT06	
Crushing Plant - Design & Setup	28AUG06	04OCT06	
Crushing Plant - Trial Testing	06OCT06	14OCT06	
Crushing Plant - Approval for Operation	28AUG06	22SEP06	
Crushing Plant - Commencement of Operation	25OCT06	25OCT06	
SECTION 2B	01NOV06	30NOV06	
SECTION 2C (Subject to Excision)	01DEC06	07JAN07	
Commence Operation of the PFRF in Portion C	01SEP06	01SEP06	
SECTION 3A	28AUG06	31OCT06	
SECTION 3B	01NOV06	30NOV06	
SECTION 3C (Subject to Excision)	01DEC06	07JAN07	
Commence Operation of the PFRF in Portion D	01SEP06	01SEP06	
SECTION 4A	28AUG06	31OCT06	
SECTION 4B	01NOV06	30NOV06	
SECTION 4C (Subject to Excision)	01DEC06	07JAN07	



Appendix H

IEC's Site Audit Records

Agreement No. 42/2002 Fill Bank at Tseung Kwan O Area 137 - Investigation

Date of Site Audit:	26-Oct-06	Time of Site Audit:	10:30 AM
Site Auditor:	Derek Ho	Phase of Works:	Operational
Checked by:	Ben Ridley		

Checklist (FB)	Yes	No	Remarks
Operational Phase			
Fugitive Dust Emission			
Have dust control/mitigation measures been implemented to ensure full protection of the nearby ASRs?		x	
Are all installed air pollution control systems and measures operated and/or implemented in accordance with their design merits?		x	
A buffer zone of at least 100m shall be maintained between the edge of the stockpiling area and the nearest ASRs at the TKO Industrial Estate. Within the buffer zone, no dusty material shall be stockpiled and no loading/unloading and similar activities should be allowed.	x		
Truck speed limit shall be limited to within 10km per hour.	x		
Is the designated site main haul route (paved)?	x		
Are water lorries and/or road sweepers used in dust suppression? Frequency of watering at least four times per day (as per PS Clause 1.76)? The frequency shall be increased when the weather is dry, when the truckloads are high, and for haul roads located within 100m from the northern boundary of the site.	x		Water lorries / road sweepers used but frequency may need to be reviewed in light of dry weather conditions.
All dusty fill material shall be sprayed with water or a dust suppression chemical prior to loading, unloading or transfer so as to maintain the fill material wet, except for situations where the moisture content of the dusty material is a matter of concern.		x	Water spraying not observed in Portion I where C&D material was being disturbed for transport to PBR11 site.
Frequent watering (at least three times per day) of the worksites with active dusty operations. The frequency shall be increased when the weather is dry.	x		As noted above, the frequency of watering should be reviewed in light of the dry weather conditions.
Vehicle washing facilities including high pressure water jet installed at the existing exit shall be maintained and operated by designated staff to ensure that these dust control measures are being used.	x		
Before leaving the fill bank, every vehicle shall be washed to remove any dusty materials from its body and wheels.	x		
Trucks carrying dusty load entered to the site shall be sprayed with water once the impervious sheeting covering the load is removed.	x		
Have the temporary slope surfaces, especially those facing to the north of the site, been covered (tarpaulin sheeting or other impermeable sheeting), or sprayed (with water or a dust suppression chemical) or protected by other methods approved by CEDD?			Finished Slopes in Portions A,B,G,H and I have been hydroseeded.
Final slope surfaces, especially those facing to the north of the site, shall be treated by compaction, followed by hydroseeding, vegetation plating or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabiliser approved by CEDD.			Finished Slopes in Portions A,B,G,H and I have been hydroseeded.
Note: Public fill at the stockpiling area should be handled to avoid segregation, deterioration, erosion or instability of the material, especially for the stockpiling surface facing to the north of the site.			
Fixed Noise Impact			
Have the approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) been adopted?	x		

Agreement No. 42/2002 Fill Bank at Tseung Kwan O Area 137 - Investigation

Checklist (FB)	Yes	No	Remarks
Note: The noise standards specified in the Technical Memorandum for the Assessment of Noise From Places Other Than Domestic Premises, Public Places or Construction Sites shall be met.			
Water Quality			
The existing/realigned intercepting channels and the sand/silt removal facilities should be used and maintained.		x	See observation 2.
Temporary intercepting drains should be used at the stockpiling area to divert polluted stormwater to the intercepting channels. Earth bunds and sand bag barriers shall be used to assist the diversion of polluted stormwater to the silt removal facilities.	x		
Has a buffer distance of at least 100m been maintained between the boundary of the public fill stockpiling area and the sea front?	x		
Are materials properly covered when there is any chance for the materials to be washed away?	x		
Temporary slope surfaces shall be covered as far as practicable with tarpaulin sheets or other impermeable sheeting or protected by other methods approved by CED especially when a rainstorm is imminent or forecast.			Hydroseeded slopes in Portions A, B, G, H and I
Final slope surfaces shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotcrete, latex, vinyl, bitumen, or other suitable surface stabiliser approved by CED to prevent the washing away of stockpiled material.			Hydroseeded slopes in Portions A, B, G, H and I
Existing and newly constructed catchpits, sand and silt removal facilities and intercepting channels should be maintained, and the deposited silt and grit should be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	x		
A wheel washing bay should be provided at the site exit and wash-water should have sand and silt settled out or removed before being discharged into storm drains.	x		
Is the section of construction road between the wheel washing bay the public road paved with concrete, bituminous materials or hardcore to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains?	x		
Sewage from toilets should be discharged into a foul sewer, or chemical toilets should be provided.	x		
Should the use of chemical toilets be necessary, these should be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.	x		
Are the grease traps in the canteen kitchens put into use and effective?			N/A
If no communal sewer can be provided, has the sewage generated from the workforce at the site offices been diverted to septic tanks and regularly removed by using vacuum tankers.	x		Discharged to DP4 as per discharge licence.
The drainage system provided at car parking areas should be installed with oil interceptors in addition to sand/silt removal facilities. Has regular cleaning of the system been carried out?		x	See observation 3.
Has disturbance to seabed sediments and undue turbidity from vessel movement or propeller wash been minimized?	x		
Barges should not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents should be properly collected and treated before disposal.	x		
Is foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging point? Are these due to work activities?	x		
Have silt curtains been provided at the outward side of the basin near the barging point throughout the operational phase when there is public fill intake by barges (after Dec 2003)?	x		

Agreement No. 42/2002 Fill Bank at Tseung Kwan O Area 137 - Investigation

Checklist (FB)	Yes	No	Remarks
Has a waste collection vessel been deployed to remove floating debris on the sea near the fill bank for proper disposal?	x		But not observed at the time of site inspection.
Note: Effluent discharged from the site shall meet the relevant discharge limits specified in the Technical Memorandum Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters.			
<u>Landfill Gas Hazard</u>			
Are gas detection equipment and appropriate breathing apparatus available and used when workers entering confined spaces or trenches deeper than 2 metres?	x		
A Safety Officer/Supervisor should be present on site throughout the operational stage.	x		
Has the Safety Officer/Supervisor been provided with intrinsically safe portable instrument(s), appropriately calibrated and capable of measuring the gases in the ranges as recommended in the EIA Report?	x		
Has a LFG monitoring programme been formulated by the Safety Officer/Supervisor or by a qualified person?	x		
Has periodic/routine monitoring been conducted during ground-works, in all excavations, and works in confined spaces, if any?	x		
<u>Landscape and Visual</u>			
Does the design of the fill bank and platform heights adopted allow the fill bank to fit into the general topography of the surrounding land? Straight edged slopes should be avoided.	x		
The maximum stockpiling height at the fill bank shall be limited to a maximum of +35.2mPD.	x		
Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green/brown) once completed.	x		
The barging point and the C&DMSF at the fill bank shall not be in operation from 7:00pm to 8:00am daily to avoid potential visual impact from glare.	x		To 11pm as per latest EP.
<u>Other Environmental Factors</u>			
C&D waste sorted from mixed C&D material at the C&DMSF shall be removed from the temporary buffer storage area on a daily basis and transfer to SENT landfill for disposal.	x		
<u>Environmental Monitoring and Audit</u>			
Is a log book maintained by the ET?	x		
At the time of site audit, was any monitoring underway?		x	
If yes, what parameters are being monitored and were the correct procedures adopted?			N/A
Have any mitigation measures been implemented as a result of exceedance of Action-Limit Levels? If so, do they appear to be effective?			N/A

Agreement No. 42/2002 Fill Bank at Tseung Kwan O Area 137 - Investigation

Observations

Issue	Action Taken (to be filled in by Contractor)	Date Completed (to be filled in by Contractor)
<p>1) The misting fan at the site entrance was not in operation when the IEC arrived at the site. Contractor was immediately notified.</p> <p>2) Overgrown vegetation noted along the bottom and the banks of the surface channel upstream of DP4 (by SENT Landfill discharge point).</p> <p>3) Two drainage holes were constructed on the sides of the Oil & Grease collection drum by the CEDD site office. The pump, which was intended to move any collected wastewater into the adjacent settlement tank, had been removed from the drum. Some oil film noted on the surface of the wastewater which had accumulated around the bottom drainage hole.</p> <p>Others</p> <p>i) oil stain on ground was found in several areas near the water filling station due to the vehicle maintenance.</p> <p>ii) 4) The silt curtain is not in proper location at the time of the site audit. The Contractor is requested to relocate the silt curtains in accordance with CEDD's drawing FM10035-16. In addition, the silt curtains should be properly secured to weights at the seabed bottom.</p>		



Appendix I

Weekly ET's Site Inspection Record

CEDD Contract No.: CV/2006/02
Project: Fill Bank at Tseung Kwan O Area 137

Inspection Date : 03 October 2006
Time : 11:15

Weather : Sunny/Fine-/Cloudy-/Overcast-/Drizzle-/Rain-/Storm-/Hazy
Wind : Calm-/Light-/Breeze-/Strong

Temperature : 27°C
Humidity : High-/Moderate-/Low

Environmental Checklist

	Implementation Stages*			Remark
	Yes	No	N/A	
Fugitive Dust Emission				
▪ Dust control / mitigation measures shall be provided to prevent dust nuisance.	✓			
▪ A buffer zone of at least 100m shall be maintained between the edge of the stockpiling area and the nearest ASRs at the TKO Industrial Estate. Within the buffer zone, no dusty material shall be stockpiled and no loading / unloading and similar activities should be allowed.	✓			
▪ Water sprays shall be provided and used to dampen materials.	✓			
▪ Regular cleaning and watering the site shall be provided to minimize the fugitive dust emissions.	✓			Refer to item 3
▪ All vehicles shall be restrict to a maximum speed of 10 km per hour.	✓			
▪ Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin.	✓			
▪ The designated site main haul road shall be paved or regular watering.	✓			
▪ Frequent watering of work site shall be at least three times per day.	✓			
▪ Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.	✓			
▪ Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.	✓			
▪ The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.	✓			
▪ Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shot concrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.	✓			
▪ When fill material is transfer by belt conveyor systems, the conveyors shall be enclosed on top and 2 sides.	✓			
▪ The belt scraper shall be equipped with bottom plates or other similar means to prevent falling of material from the return belt.	✓			
▪ The level of stockpiling belt conveyor shall be adjustable such that the vertical distance between the belt conveyor and the material landing point is maintained at no more than 1m.	✓			
Noise Impact				
▪ The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.	✓			
▪ Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.	✓			
▪ Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	✓			
▪ Air compressors and hand held breakers should have noise labels.	✓			
▪ Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	✓			
▪ Noisy equipment and mobile plant shall always be site away from NSRs.	✓			

		Implementation Stages*			Remark
Water Quality					
	The existing / realigned intercepting channels and the sand / silt removal facilities shall be used and maintained.		✓		Refer to item 1
	Temporary intercepting drains should be used at the stockpiling area to divert polluted stormwater to the intercepting channels. Earth bunds and sand bay barriers shall be used to assist the diversion of polluted stormwater to the intercepting channels.	✓			
	A buffer distance of at least 100m shall be maintained between the boundary of the public fill stockpiling area and the sea front.	✓			
	A buffer distance of at least 20m shall be maintained between the boundary of the C&DMSF and the seafront.	✓			
	The stormwater intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.	✓			
	The material shall be properly covered to prevent washed away especially before rainstorm.	✓			
	The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.	✓			
	Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.	✓			
	Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	✓			
	A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.	✓			
	The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcore to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.	✓			
	Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided.	✓			
	The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.	✓			
	Wastewater collected from canteen kitchen, including that from basins, sinks and floor drains, shall be discharged into foul sewers via grease traps.	✓			
	Oil intercept in addition of sand / silt removal facilities shall be provided at the car parking areas.	✓			
	The barges shall be in right size such that adequate clearance is maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.	✓			
	All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.	✓			
	Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.	✓			
	Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.	✓			
	The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.	✓			
	Existing silt curtain at the outward side of the basin near the Barging Handling Area throughout the period shall be repair, maintain and service when there is public fill intake by barges to the Fill Bank in accordance with PS Clause 1.68. The total length of the silt curtains shall not be less than 160m, and a gap of about 80m shall be left open for access of barges. The silt curtain shall be properly maintained such that it can also serve the function of refuse containment boom to confine floating refuse.	✓			
	A waste collection vessel shall be deployed to remove floating debris.	✓			



Landscape and Visual					
▪ The design of the fill bank and platform heights adopted should allow the fill bank to fit into the general topography of the surrounding land. Straight edged slopes should be avoided.	√				
▪ The maximum stockpiling height at the fill bank shall be limited to a maximum of +35.2mPD.	√				
▪ Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.	√				
▪ The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.	√				
Other Environmental Factors					
▪ C&D waste sorted from mixed C&D material at the C&DMSF shall be removed from the temporary buffer storage area on a daily basis and transfer to SENT landfill for disposal.	√				
▪ Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.	√				
▪ Any unused materials or those with remaining functional capacity should be recycled.	√				
▪ All generators, fuel and oil storage are within bundle areas.	√				
▪ Oil leakage from machinery, vehicle and plant is prevented.	√				

Summary of the Weekly Site Inspection:

Item	Details of defective works or observations	Photo Ref.	Further Action Required (Yes/No)
1	Follow up action to previous comments on 08/09/06 (item 2), 14/09/06 (item 3), 20/06/06 (item 2), mud and debris were observed to be accumulated in the drainage channel at Chamber A. The Contractor was reminded to remove mud and debris regularly to avoid continuous accumulation at site.	061003_001	Yes
2	Black smoke was found emitted from an excavator (Cat 330) at BHA. The Contractor should stop to use the excavator immediately until repaired.	061003_002	Yes
3	Follow up action to previous comments on 20/09/06 (item 4) and 26/09/06 (item 3), the water sprinkling facility near air monitoring station AA2 was still found to be operated improperly since no water was sprinkled although the fan was on. The Contractor should repair it immediately or providing other measures to avoid dust generation by vehicles passing by.	061003_003	Yes

Remark

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	Name	Signature	Date
Inspected by	H. T. Chow		03 October 2006
Checked by	C.L. Lau		03 October 2006

Photos



Photo 061003_001



Photo 061003_002

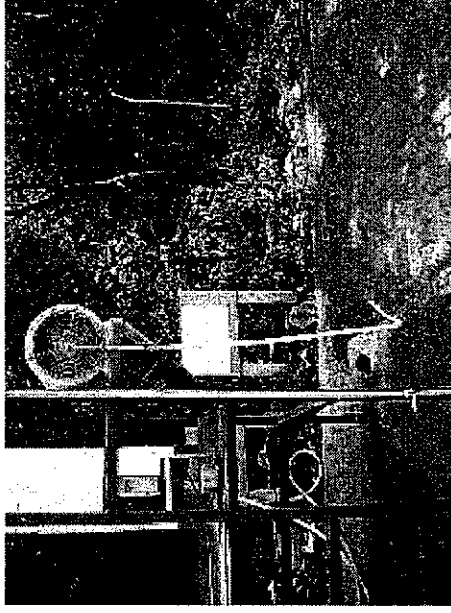


Photo 061003_003

CEDD Contract No.: CV/2006/02
Project: Fill Bank at Tseung Kwan O Area 137

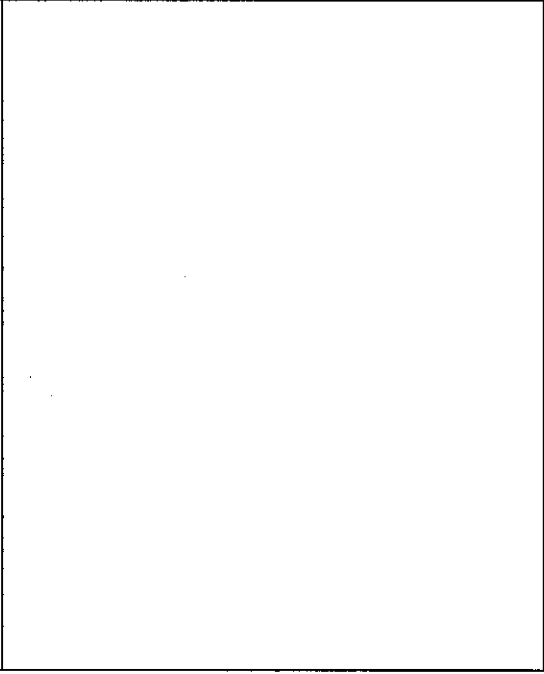
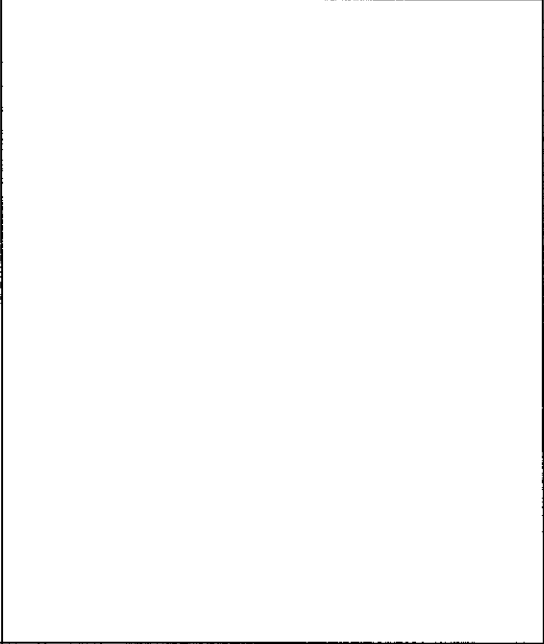
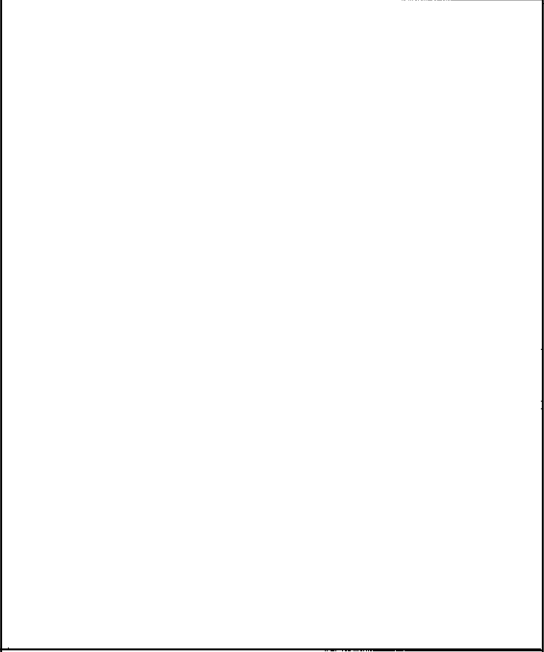
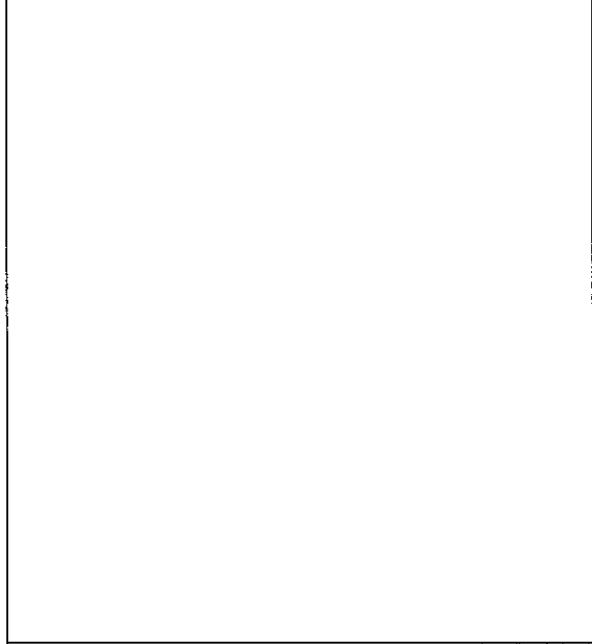
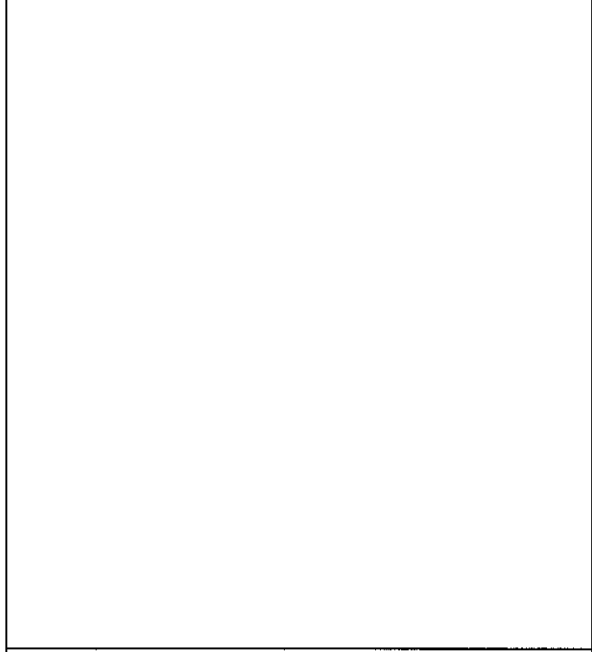
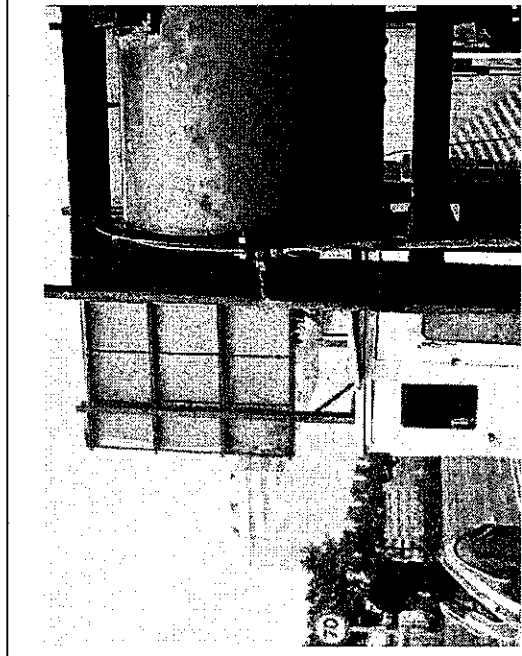
Follow-up Action of the Weekly Site Inspection

Inspection Date : 03 October 2006
Time : 11:15
Inspected by Name : H C Kwok
HT Chow (Contractor) (ET)

Weather : Sunny/Fine/Cloudy/Overcast/Drizzle/Rain/Sterrn/Hazy
Wind : Calm/Light/Breeze/Strong
Temperature : 27°C
Humidity : High/Moderate/Low

Item	Details of defective works or observations	Response	Date of Action taken	Photo Ref.
1	Follow up action to previous comments on 08/09/06 (item 2), 14/09/06 (item 2), 20/06/06 (item 1) and 26/09/06 (item 2), no oil leakage was observed from a generator at water truck filling station.	The Contractor had repaired well the generator at the water truck filling station.	05 Oct 2006	--
2	Black smoke was found emitted from an excavator (Cat 330) at BHA. The Contractor should stop to use the excavator immediately until repaired.	The Contractor had stopped to use the excavator (Cat 330) and removed it off site.	05 Oct 2006	--
3	Follow up action to previous comments on 20/09/06 (item 4) and 26/09/06 (item 3), the water sprinkling facility near air monitoring station AA2 was still found to be operated improperly since no water was sprinkled although the fan was on. The Contractor should repair it immediately or providing other measures to avoid dust generation by vehicles passing by.	The Contractor had repaired well the water sprinkling facility near the air monitoring station AA2.	05 Oct 2006	20061003a

Photo of Follow-up Action





CEDD Contract No.: CV/2006/02
Project: Fill Bank at Tseung Kwun O Area 137

Inspection Date : 09 October 2006
Time : 11:10

Weather : Sunny/Fine/Cloudy/Overcast/Drizzle/Rain/Storm/Hazy
Wind : Calm/Light/Breeze/Strong

Temperature : 26°C
Humidity : High/Moderate/Low

	Implementation Stages*			Remark
	Yes	No	N/A	
	Environmental Checklist			
Fugitive Dust Emission				
▪ Dust control / mitigation measures shall be provided to prevent dust nuisance.	✓			
▪ A buffer zone of at least 100m shall be maintained between the edge of the stockpiling area and the nearest ASRs at the TKO Industrial Estate. Within the buffer zone, no dusty material shall be stockpiled, and no loading / unloading and similar activities should be allowed.	✓			
▪ Water sprays shall be provided and used to dampen materials.	✓			
▪ Regular cleaning and watering the site shall be provided to minimize the fugitive dust emissions.	✓			
▪ All vehicles shall be restrict to a maximum speed of 10 km per hour.	✓			
▪ Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin.	✓			
▪ The designated site main haul road shall be paved or regular watering.	✓			
▪ Frequent watering of work site shall be at least three times per day.	✓			
▪ Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.	✓			
▪ Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.	✓			
▪ The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.	✓			
▪ Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shot concrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.	✓			
▪ When fill material is transfer by belt conveyor systems, the conveyors shall be enclosed on top and 2 sides.	✓			
▪ The belt scraper shall be equipped with bottom plates or other similar means to prevent falling of material from the return belt.	✓			
▪ The level of stockpiling belt conveyor shall be adjustable such that the vertical distance between the belt conveyor and the material landing point is maintained at no more than 1m.	✓			
Noise Impact				
▪ The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.	✓			
▪ Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.	✓			
▪ Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	✓			
▪ Air compressors and hand held breakers should have noise labels.	✓			
▪ Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	✓			
▪ Noisy equipment and mobile plant shall always be site away from NSRs.	✓			

Implementation Stages*		Remark
Water Quality		
√		The existing / realigned intercepting channels and the sand / silt removal facilities shall be used and maintained.
√		Temporary intercepting drains should be used at the stockpiling area to divert polluted stormwater to the intercepting channels. Earth bunds and sand bay barriers shall be used to assist the diversion of polluted stormwater to the intercepting channels.
√		A buffer distance of at least 100m shall be maintained between the boundary of the public fill stockpiling area and the sea front.
√		A buffer distance of at least 20m shall be maintained between the boundary of the C&DMSF and the seafront.
√		The stormwater intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.
√		The material shall be properly covered to prevent washed away especially before rainstorm.
√		The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.
√		Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.
√		Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.
√		A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.
√		The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcore to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.
√		Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided.
√		The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.
√		Wastewater collected from canteen kitchen, including that from basins, sinks and floor drains, shall be discharged into foul sewers via grease traps.
√		Oil intercept in addition of sand / silt removal facilities shall be provided at the car parking areas.
√		The barges shall be in right size such that adequate clearance is maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.
√		All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.
√		Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.
√		Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.
√		The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.
√		Existing silt curtain at the outward side of the basin near the Barging Handling Area throughout the period shall be repair, maintain and service when there is public fill intake by barges to the Fill Bank in accordance with PS Clause 1.68. The total length of the silt curtains shall not be less than 160m, and a gap of about 80m shall be left open for access of barges. The silt curtain shall be properly maintained such that it can also serve the function of refuse containment boom to confine floating refuse.
√		A waste collection vessel shall be deployed to remove floating debris.

Landscape and Visual			
▪	The design of the fill bank and platform heights adopted should allow the fill bank to fit into the general topography of the surrounding land. Straight edged slopes should be avoided.	√	
▪	The maximum stockpiling height at the fill bank shall be limited to a maximum of +35.2mPD.	√	
▪	Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.	√	
▪	The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.	√	
Other Environmental Factors			
▪	C&D waste sorted from mixed C&D material at the C&DMSF shall be removed from the temporary buffer storage area on a daily basis and transfer to SENT landfill for disposal.	√	
▪	Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.	√	
▪	Any unused materials or those with remaining functional capacity should be recycled.	√	
▪	All generators, fuel and oil storage are within bundle areas.	√	
▪	Oil leakage from machinery, vehicle and plant is prevented.	√	

Summary of the Weekly Site Inspection:

Item	Details of defective works or observations	Photo Ref.	Further Action Required (Yes/No)
1	Follow up action to previous comments on 08/09/06 (item 3), 14/09/06 (item 3), 20/09/06 (item 3) and 03/10/06 (item 1), mud and debris in the drainage channel at Chamber A were cleaned up.	061009_001	No
2	Follow up action to previous comment on 03/10/06 (item 2), no black smoke was found emitted from an excavator (Cat 330) at BHA because the excavator was removed.	061009_002	No
3	Follow up action to previous comments on 20/09/06 (item 4), 26/09/06 (item 3) and 03/10/06 (item 3), the water sprinkling facility near air monitoring station AA2 was repaired.	061009_003	No

Remark

--

	Name	Signature	Date
Inspected by	H. T. Chow		09 October 2006
Checked by	Linda Law		09 October 2006

Photos



Photo 061009_001



Photo 061009_002

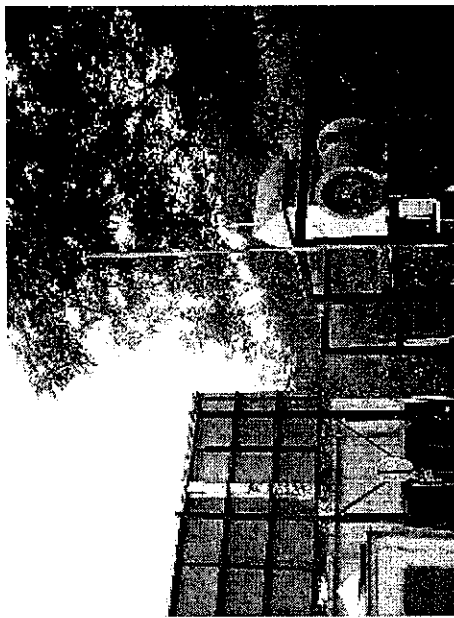


Photo 061009_003

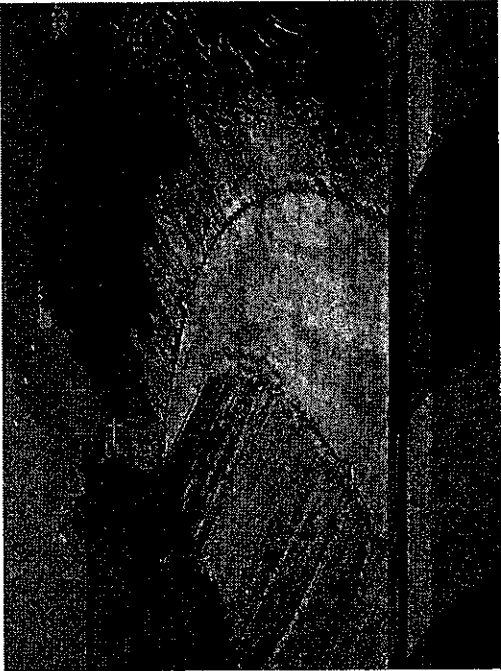
Follow-up Action of the Weekly Site Inspection

Inspection Date : 09 October 2006
Time : 11:10
Inspected by Name : H C Kwok
(Contractor)
(ET)

Weather : Sunny/Fine/Cloudy/Overcast/Drizzle/Rain/Sterrn/Hazy
Wind : Calm/Light/Breeze/Strong
Temperature : 26°C
Humidity : High/Moderate/Low

Item	Details of defective works or observations	Response	Date of Action taken	Photo Ref.
1	Follow up action to previous comments on 08/09/06 (item 3), 14/09/06 (item 3), 20/09/06 (item 3) and 03/10/06 (item 1), mud and debris were still observed to be accumulated in the drainage channel at Chamber A. The Contractor was reminded to remove the mud and debris accumulated regularly.	The Contractor had removed the mud and debris accumulated in the drainage channel at Chamber A.	10 Oct 2006	20061009a

Photo of Follow-up Action

 <p>20061009a</p>		

Implementation Stages*		Remark
Water Quality		
✓		The existing / realigned intercepting channels and the sand / silt removal facilities shall be used and maintained.
✓		Temporary intercepting drains should be used at the stockpiling area to divert polluted stormwater to the intercepting channels. Earth bunds and sand bay barriers shall be used to assist the diversion of polluted stormwater to the intercepting channels.
✓		A buffer distance of at least 100m shall be maintained between the boundary of the public fill stockpiling area and the sea front.
✓		A buffer distance of at least 20m shall be maintained between the boundary of the C&DMSF and the seafront.
✓		The stormwater intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.
✓		The material shall be properly covered to prevent washed away especially before rainstorm.
✓		The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.
✓		Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.
✓		Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.
✓		A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.
✓		The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcores to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.
✓		Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided.
✓		The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.
✓		Wastewater collected from canteen kitchen, including that from basins, sinks and floor drains, shall be discharged into foul sewers via grease traps.
✓		Oil intercept in addition of sand / silt removal facilities shall be provided at the car parking areas.
✓		The barges shall be in right size such that adequate clearance is maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.
✓		All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.
✓		Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.
✓		Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.
✓		The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.
✓		Existing silt curtain at the outward side of the basin near the Barging Handling Area throughout the period shall be repair, maintain and service when there is public fill intake by barges to the Fill Bank in accordance with PS Clause 1.68. The total length of the silt curtains shall not be less than 160m, and a gap of about 80m shall be left open for access of barges. The silt curtain shall be properly maintained such that it can also serve the function of refuse containment boom to confine floating refuse.
✓		A waste collection vessel shall be deployed to remove floating debris.

Landscape and Visual				
▪ The design of the fill bank and platform heights adopted should allow the fill bank to fit into the general topography of the surrounding land. Straight edged slopes should be avoided.	✓			
▪ The maximum stockpiling height at the fill bank shall be limited to a maximum of +35.2mPD.	✓			
▪ Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.	✓			
▪ The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.	✓			
Other Environmental Factors				
▪ C&D waste sorted from mixed C&D material at the C&DMSF shall be removed from the temporary buffer storage area on a daily basis and transfer to SENT landfill for disposal.	✓			
▪ Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.	✓			
▪ Any unused materials or those with remaining functional capacity should be recycled.	✓			
▪ All generators, fuel and oil storage are within bundle areas.	✓			
▪ Oil leakage from machinery, vehicle and plant is prevented.	✓			

C

C



CEDD Contract No.: CV/2006/02
Project: Fill Bank at Tseung Kwan O Area 137

Summary of the Weekly Site Inspection:

Item	Details of defective works or observations	Photo Ref.	Further Action Required (Yes/No)
1	Oil leakage from plant was observed at water trade filling station. The Contractor was reminded to clean up the contaminated soil and disposed with Chemical Waste Treatment Procedure.	Photo 061020_001	Yes
2	Flying dusts was observed from 'section 1' of access road during heavy vehicle traffic. The contractor was being reminded to ensure water spray more frequently and slow down traffic to maximum limit 20Km/hr.	Photo 061020_002	Yes
3	Wastewater was spotted being discharged directly from a small hole of the sand trap at contractor's site office.	Photo 061020_003	Yes

Remark

--

	Name	Signature	Date
Inspected by	H. T. Chow		20 October 2006
Checked by	Louisa Fung		20 October 2006

Photos

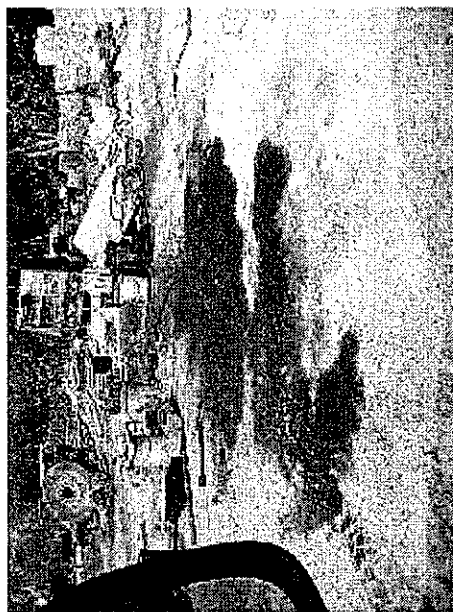


Photo 061020_001



Photo 061020_002

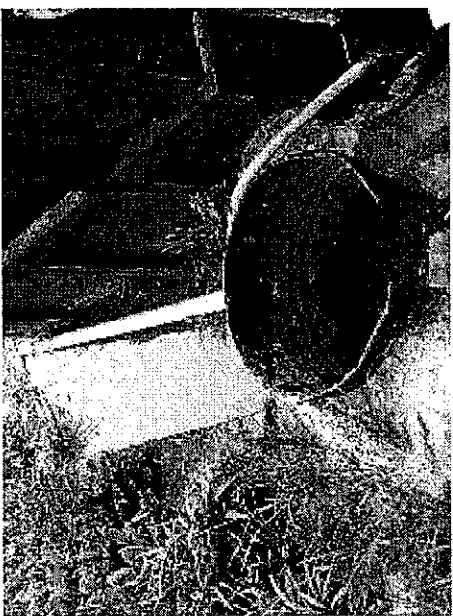


Photo 061020_003

CEDD Contract No.: CV/2006/02
Project: Fill Bank at Tseung Kwan O Area 137

Inspection Date : 20 October 2006
Time : 14:05

Weather : Sunny/Fine/Cloudy/Overcast/Drizzle/Rain/Storm/Hazy
Wind : Calm/Light/Breeze/Strong

Temperature : 28°C
Humidity : High/Moderate/Low

	Implementation Stages*		Remark
	Yes	No	
Environmental Checklist			
Fugitive Dust Emission			
▪ Dust control / mitigation measures shall be provided to prevent dust nuisance.	✓		
▪ A buffer zone of at least 100m shall be maintained between the edge of the stockpiling area and the nearest ASRs at the TKO Industrial Estate. Within the buffer zone, no dusty material shall be stockpiled and no loading / unloading and similar activities should be allowed.	✓		
▪ Water sprays shall be provided and used to dampen materials.	✓		
▪ Regular cleaning and watering the site shall be provided to minimize the fugitive dust emissions.	✓		
▪ All vehicles shall be restrict to a maximum speed of 10 km per hour.	✓		
▪ Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin.	✓		
▪ The designated site main haul road shall be paved or regular watering.	✓		
▪ Frequent watering of work site shall be at least three times per day.	✓		
▪ Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.	✓		
▪ Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.	✓		
▪ The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.	✓		
▪ Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shot concrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.	✓		
▪ When fill material is transfer by belt conveyor systems, the conveyors shall be enclosed on top and 2 sides.	✓		
▪ The belt scraper shall be equipped with bottom plates or other similar means to prevent falling of material from the return belt.	✓		
▪ The level of stockpiling belt conveyor shall be adjustable such that the vertical distance between the belt conveyor and the material landing point is maintained at no more than 1m.	✓		
Noise Impact			
▪ The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.	✓		
▪ Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.	✓		
▪ Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	✓		
▪ Air compressors and hand held breakers should have noise labels.	✓		
▪ Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	✓		
▪ Noisy equipment and mobile plant shall always be site away from NSRs.	✓		

CEDD Contract No.: CV/2006/02
Project: Fill Bank at Tseung Kwan O Area 137

Follow-up Action of the Weekly Site Inspection

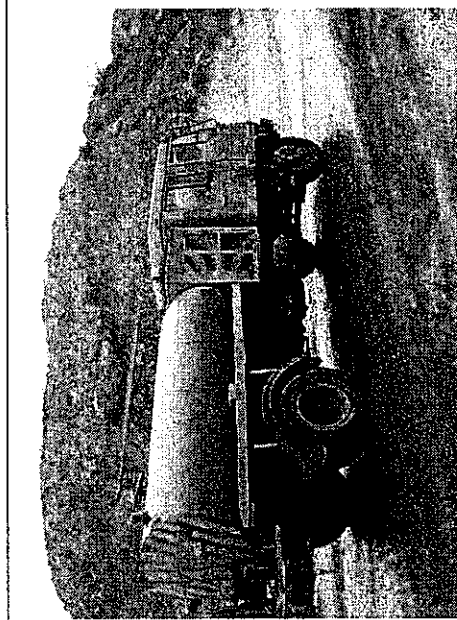
Inspection Date : 20 October 2006
Time : 14:05

Weather : Sunny/Fine/Cloudy/Overcast/Drizzle/Rain/Storm/Hazy
Wind : Calm/Light/Breeze/Strong

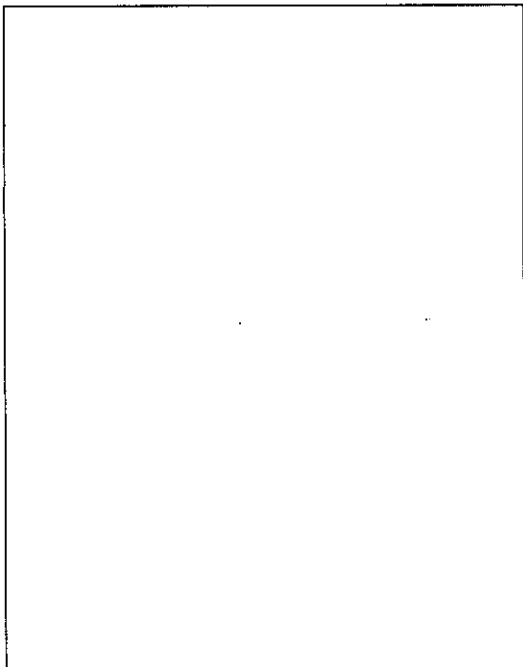
Temperature : 28°C
Humidity : High/Moderate/Low

Item	Details of defective works or observations	Response	Date of Action taken	Photo Ref.
1	Oil leakage from plant was observed at water truck filling station. The Contractor was reminded to clean up the contaminated soil and disposed with Chemical Waste Treatment Procedure	Cleaning and proper disposal actions for the contaminated soil will be scheduled on 29 October 2006.	29 Oct 2006 (anticipated)	--
2	Flying dust was observed from 'section 1' of access road during heavy vehicle traffic. The contractor was being reminded to ensure water spray more frequently and slow down traffic to maximum limit 20Km/hr.	The Contractor has been enhancing the frequency of water spraying on site immediately.	21 Oct 2006	20061020a
3	Wastewater was spotted being discharged directly from a small hole of the sand trap at contractor's site office.	The Contractor is arranging to place a submersible pump to pump away the waste water at the sand trap for further proper separate treatment.	29 Oct 2006 (anticipated)	--

Photo of Follow-up Action



20061020a



CEDD Contract No.: CV/2006/02
Project: Fill Bank at Tseung Kwan O Area 137

Inspection Date : 26 October 2006
Time : 10:50

Weather : Sunny / Fine / Cloudy / Overcast / Drizzle / Rain / Storm / Hazy
Wind : Calm / Light / Breeze / Strong

Temperature : 28°C
Humidity : High / Moderate / Low

Environmental Checklist

	Implementation Stages*			Remark
	Yes	No	N/A	
Fugitive Dust Emission				
▪ Dust control / mitigation measures shall be provided to prevent dust nuisance.	✓			
▪ A buffer zone of at least 100m shall be maintained between the edge of the stockpiling area and the nearest ASRs at the TKO Industrial Estate. Within the buffer zone, no dusty material shall be stockpiled and no loading / unloading and similar activities should be allowed.	✓			
▪ Water sprays shall be provided and used to dampen materials.	✓			
▪ Regular cleaning and watering the site shall be provided to minimize the fugitive dust emissions.	✓			
▪ All vehicles shall be restrict to a maximum speed of 10 km per hour.	✓			
▪ Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin.	✓			
▪ The designated site main haul road shall be paved or regular watering.		✓		Item 6
▪ Frequent watering of work site shall be at least three times per day.	✓			
▪ Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.	✓			
▪ Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.	✓			
▪ The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.	✓			
▪ Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shot concrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.	✓			
▪ When fill material is transfer by belt conveyor systems, the conveyors shall be enclosed on top and 2 sides.	✓			
▪ The belt scraper shall be equipped with bottom plates or other similar means to prevent falling of material from the return belt.	✓			
▪ The level of stockpiling belt conveyor shall be adjustable such that the vertical distance between the belt conveyor and the material landing point is maintained at no more than 1m.	✓			
Noise Impact				
▪ The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.	✓			
▪ Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.	✓			
▪ Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	✓			
▪ Air compressors and hand held breakers should have noise labels.	✓			
▪ Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	✓			
▪ Noisy equipment and mobile plant shall always be site away from NSRs.	✓			

Implementation Stages*		Remark
Water Quality		
		Item 4
✓		The existing / realigned intercepting channels and the sand / silt removal facilities shall be used and maintained.
✓		Temporary intercepting drains should be used at the stockpiling area to divert polluted stormwater to the intercepting channels. Earth bunds and sand bay barriers shall be used to assist the diversion of polluted stormwater to the intercepting channels.
✓		A buffer distance of at least 100m shall be maintained between the boundary of the public fill stockpiling area and the sea front.
✓		A buffer distance of at least 20m shall be maintained between the boundary of the C&DMSF and the seafront.
✓		The stormwater intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.
✓		The material shall be properly covered to prevent washed away especially before rainstorm.
✓		The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.
✓		Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.
✓		Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.
✓		A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.
✓		The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcore to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.
✓		Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided.
✓		The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.
✓		Wastewater collected from canteen kitchen, including that from basins, sinks and floor drains, shall be discharged into foul sewers via grease traps.
✓		Oil intercept in addition of sand / silt removal facilities shall be provided at the car parking areas.
✓		The barges shall be in right size such that adequate clearance is maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.
✓		All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.
✓		Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.
✓		Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.
✓		The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.
✓		Existing silt curtain at the outward side of the basin near the Barging Handling Area throughout the period shall be repair, maintain and service when there is public fill intake by barges to the Fill Bank in accordance with PS Clause 1.68. The total length of the silt curtains shall not be less than 160m, and a gap of about 80m shall be left open for access of barges. The silt curtain shall be properly maintained such that it can also serve the function of refuse containment boom to confine floating refuse.
✓		A waste collection vessel shall be deployed to remove floating debris.
		Item 3

C

C





CEDD Contract No.: CV/2006/02
Project: Fill Bank at Tseung Kwan O Area 137

Landscape and Visual					
▪	The design of the fill bank and platform heights adopted should allow the fill bank to fit into the general topography of the surrounding land. Straight edged slopes should be avoided.	✓			
▪	The maximum stockpiling height at the fill bank shall be limited to a maximum of +35.2mPD.	✓			
▪	Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.	✓			
▪	The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.	✓			
Other Environmental Factors					
▪	C&D waste sorted from mixed C&D material at the C&DMSF shall be removed from the temporary buffer storage area on a daily basis and transfer to SENT landfill for disposal.	✓			
▪	Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.	✓			
▪	Any unused materials or those with remaining functional capacity should be recycled.	✓			
▪	All generators, fuel and oil storage are within bundle areas.	✓			
▪	Oil leakage from machinery, vehicle and plant is prevented.		✓		Item 1

Summary of the Weekly Site Inspection:

Item	Details of defective works or observations	Photo Ref.	Further Action Required (Yes/No)
1	Follow up action on prevent item 1 on 20 October 2006, Oil leakage from plant was observed at water trade filling station. The Contractor was reminded to clean up the contaminated soil and disposed with Chemical Waste Treatment Procedure.	Photo 061026_001	Yes
2	Follow up action on previous item 2 on 20 October 2006, water spray on haul road at "section 1" was implemented. Follow up action was completed. No further action is necessary.	Photo 061026_002	No
3	A loosen silt curtain was lying on left side of "BHA" sea surface. Contractor shall retighten the loosen part in place to reduce escape suspended solid.	Photo 061026_003	Yes
4	Mud and vegetation were accumulated in the drainage channel at "DP4"	Photo 061026_004	Yes
5	Follow up action to previous item 3 on 20 October 2006 direct wastewater discharge was spotted from broken sand trap at contractor's site office. The contractor shall ensure the broken sand trap to be fixed asap in order to avoid continuous leakage of wastewater from the tank.	Photo 061026_005	Yes
6	Site area near by "BHA" was found dry. Fly dust was observed during truck traffic. Contractor shall apply a frequent water spray or dust suppress oil to avoid fugitive dust during traffic. Vehicles shall remain in maximum driving speed at 10Km/hr.	Photo 061026_006	Yes

Remark

Name	Signature	Date
Inspected by H. T. Chow		26 October 2006
Checked by Louisa Fung		26 October 2006

C

C

CEDD Contract No.: CV/2006/02
 Project: Fill Bank at Tseung Kwan O Area 137

Photos



Photo 061026_001

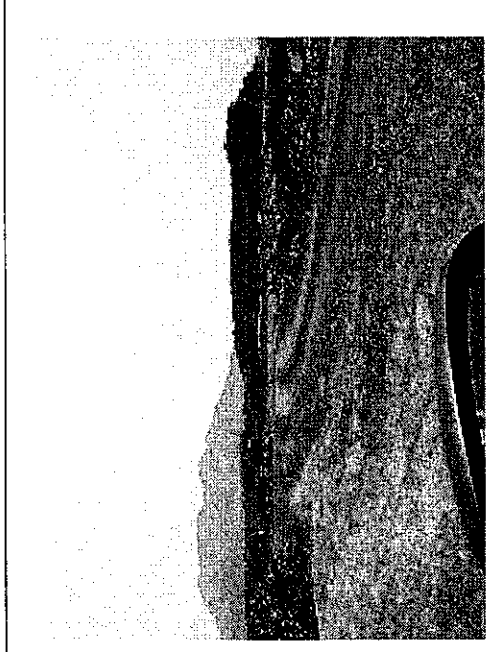


Photo 061026_002

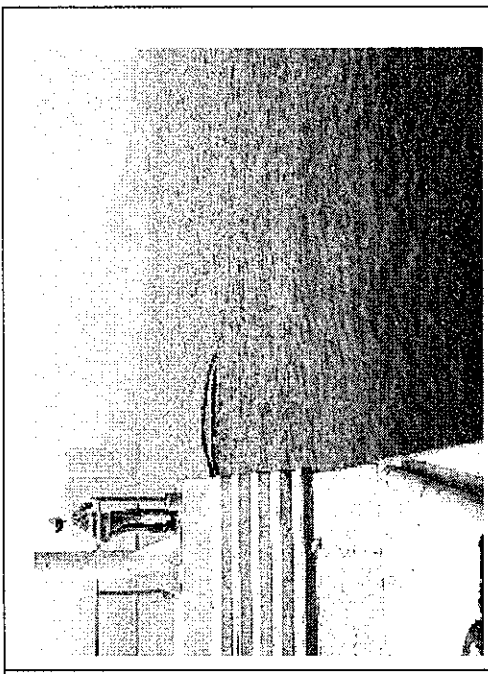


Photo 061026_003



Photo 061026_004



Photo 061026_005

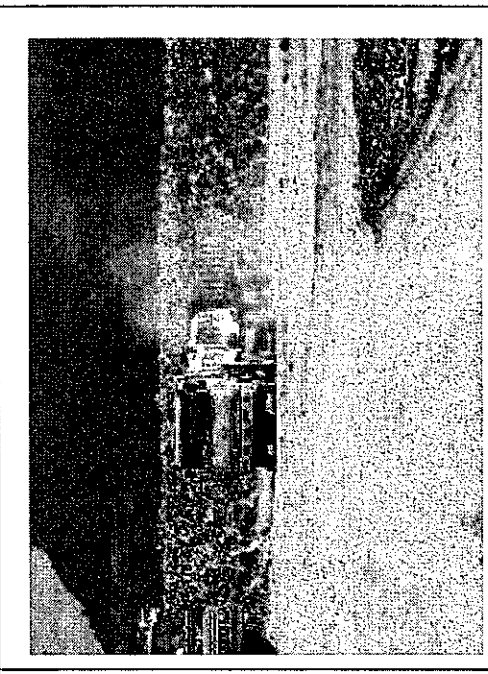


Photo 061026_006



CEDD Contract No.: CV/2006/02
Project: Fill Bank at Tseung Kwan O Area 137

Follow-up Action of the Weekly Site Inspection

Inspection Date : 26 October 2006
 Time : 10:50
 Weather : Sunny / Fine / Cloudy / Overcast / Drizzle / Rain / Storm / Hazy
 Wind : Calm / Light / Breeze / Strong
 Temperature : 28°C
 Humidity : High / Moderate / Low

Item	Details of defective works or observations	Response	Date of Action taken	Photo Ref.
1	Follow up action on prevent item 1 on 20 October 2006, Oil leakage from plant was observed at water trade filling station. The Contractor was reminded to clean up the contaminated soil and disposed with Chemical Waste Treatment Procedure.			Photo 061026_001
2	Follow up action on previous item 2 on 20 October 2006, water spray on haul road at "section 1" was implemented. Follow up action was completed. No further action is necessary.			Photo 061026_002
3	A loosen silt curtain was lying on left side of "BHA" sea surface. Contractor shall reighten the loosen part in place to reduce escape suspended solid.			Photo 061026_003
4	Mud and vegetation were accumulated in the drainage channel at "DP4"			Photo 061026_004
5	Follow up action to previous item 3 on 20 October 2006 direct wastewater discharge was spotted from broken sand trap at contractor's site office. The contractor shall ensure the broken sand trap to be fixed asap in order to avoid continuous leakage of wastewater from the tank.			Photo 061026_005
6	Site area near by "BHA" was found dry. Fly dust was observed during truck traffic. Contractor shall apply a frequent water spray or dust suppress oil to avoid fugitive dust during traffic. Vehicles shall remain in maximum driving speed at 10Km/hr.			Photo 061026_006

Photo of Follow-up Action



Photo 061026_001



Photo 061026_002

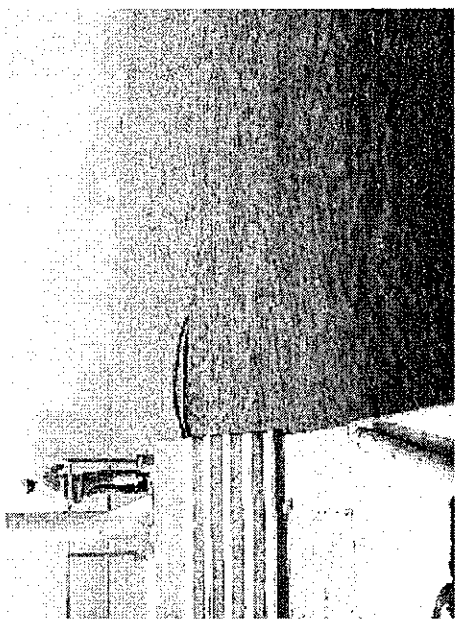


Photo 061026_003



Photo 061026_004



Photo 061026_005



Photo 061026_006

CEDD Contract No.: CV/2006/02
Project: Fijl Bank at Tseung Kwan O Area 137

Follow-up Action of the Weekly Site Inspection

Inspection Date : 26 October 2006
 Time : 10:50
 Weather : Sunny / Fine / Cloudy / Overcast / Drizzle / Rain / Storm / Hazy
 Wind : Calm / Light / Breeze / Strong
 Temperature : 28°C
 Humidity : High / Moderate / Low

Item	Details of defective works or observations	Response	Date of Action taken	Photo Ref.
1	Follow up action on previous item 1 on 20 October 2006, Oil leakage from plant was observed at water trade filling station. The Contractor was reminded to clean up the contaminated soil and disposed with Chemical Waste Treatment Procedure.	The contaminated soil was cleaned and disposed of properly on 29 October 2006.	29 Oct 2006	20061026a
2	Follow up action on previous item 2 on 20 October 2006, water spray on haul road at "Section 1" was implemented. Follow up action was completed. No further action is necessary.	No action is required.	---	--
3	A loosen silt curtain was lying on left side of "BHA" sea surface. Contractor shall reighten the loosen part in place to reduce escape suspended solid.	The loosen silt curtain will be reightened by 13 November 2006.	13 Nov 2006 (anticipated)	--
4	Mud and vegetation were accumulated in the drainage channel at "DP4".	The Contractor has cleaned the mud and vegetation accumulated in the drainage channel at "DP4".	29 Oct 2006	20061026b
5	Follow up action to previous item 3 on 20 October 2006, direct wastewater discharge was spotted from broken sand trap at contractor's site office. The contractor shall ensure the broken sand trap to be fixed asap in order to avoid continuous leakage of wastewater from the tank.	The sand trap has been equipped with a submersible pump to pump out and diverts the wastewater to the adjacent effluent storage tank for further collection by waste collectors.	29 Oct 2006	20061026c
6	Site area nearby "BHA" was found dry. Fly dust was observed during truck traffic. Contractor shall apply a frequent water spray or dust suppress oil to avoid fugitive dust during traffic. Vehicles shall remain in maximum driving speed at 10km/hr.	The frequency of water spraying has been increased immediately. Also, the truck drivers have been alerted for reducing driving speed as two sets of road humps have been set on the haul road nearby BHA so as to retard the trucks driving motion.	30 Oct 2006	20061026d

Photo of Follow-up Action



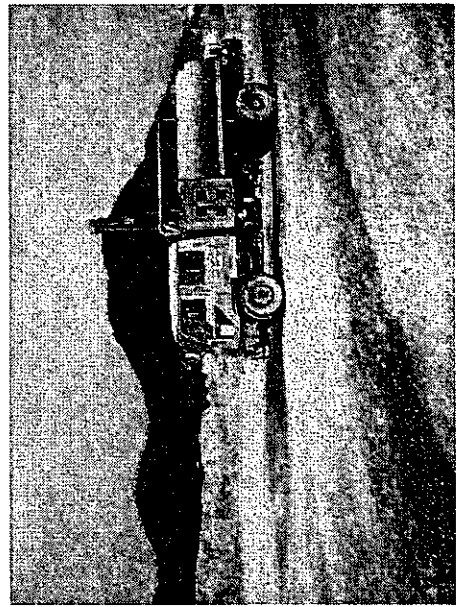
20061026a



20061026b



20061026c



20061026d

Appendix J

Implementation Schedule of Mitigation Measures



Appendix K

Site General Layout plan



Appendix M

Monitoring Schedule for the Coming Month



Contract No. CV/2006/02
Operation of Public Fill Reception Facilities at Tuen Mun Area 38, TKO Area 137,
Quarry Bay and Mui Wo

TKO Area 137 Fill Bank

Time Schedule for Water Quality Impact Monitoring (WQM),
Impact Day-time Noise Monitoring (NM) and Impact Air Monitoring
(1-hr TSP & 24-hr TSP) and Weekly Site Inspection (Weekly SI)

November 2006

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 WQM Mid-ebb (08:45-10:45) Mid-flood (14:00-16:00) 1-hr TSP, 24-hr TSP Weekly SI NM	2	3 WQM Mid-ebb (10:30-12:30) Mid-flood (16:00-18:00)	4
5	6 WQM Mid-flood (17:50-18:30) Mid-ebb (11:30-12:30)	7 1-hr TSP, 24-hr TSP Weekly SI	8 WQM Mid-flood (08:30-09:30) Mid-ebb (13:20-14:30)	9	10 WQM Mid-ebb (08:00-10:00) Mid-flood (14:50-16:20)	11
12	13 WQM Mid-ebb (05:30-06:00) Mid-flood (18:30-19:30) 1-hr TSP, 24-hr TSP Weekly SI	14	15 WQM Mid-ebb (07:00-07:30) Mid-flood (16:00-17:00)	16	17 WQM Mid-ebb (09:30-10:00) Mid-flood (16:00-16:40)	18 1-hr TSP, 24-hr TSP Weekly SI
19	20 WQM Mid-ebb (11:40-12:00) Mid-flood (16:30-17:30)	21	22 WQM Mid-flood (17:00-17:20) Mid-ebb (12:40-13:15)	23	24 WQM Mid-flood (09:15-10:15) Mid-ebb (14:00-15:00) 1-hr TSP, 24-hr TSP Weekly SI	25
26	27 WQM Mid-ebb (no ebb tide) Mid-flood (14:30-16:30)	28	29 WQM Mid-ebb (19:50-20:20) Mid-flood (13:30-13:50)	30 1-hr TSP, 24-hr TSP Weekly SI		



Appendix N

Complaint Log

Complaint Logs

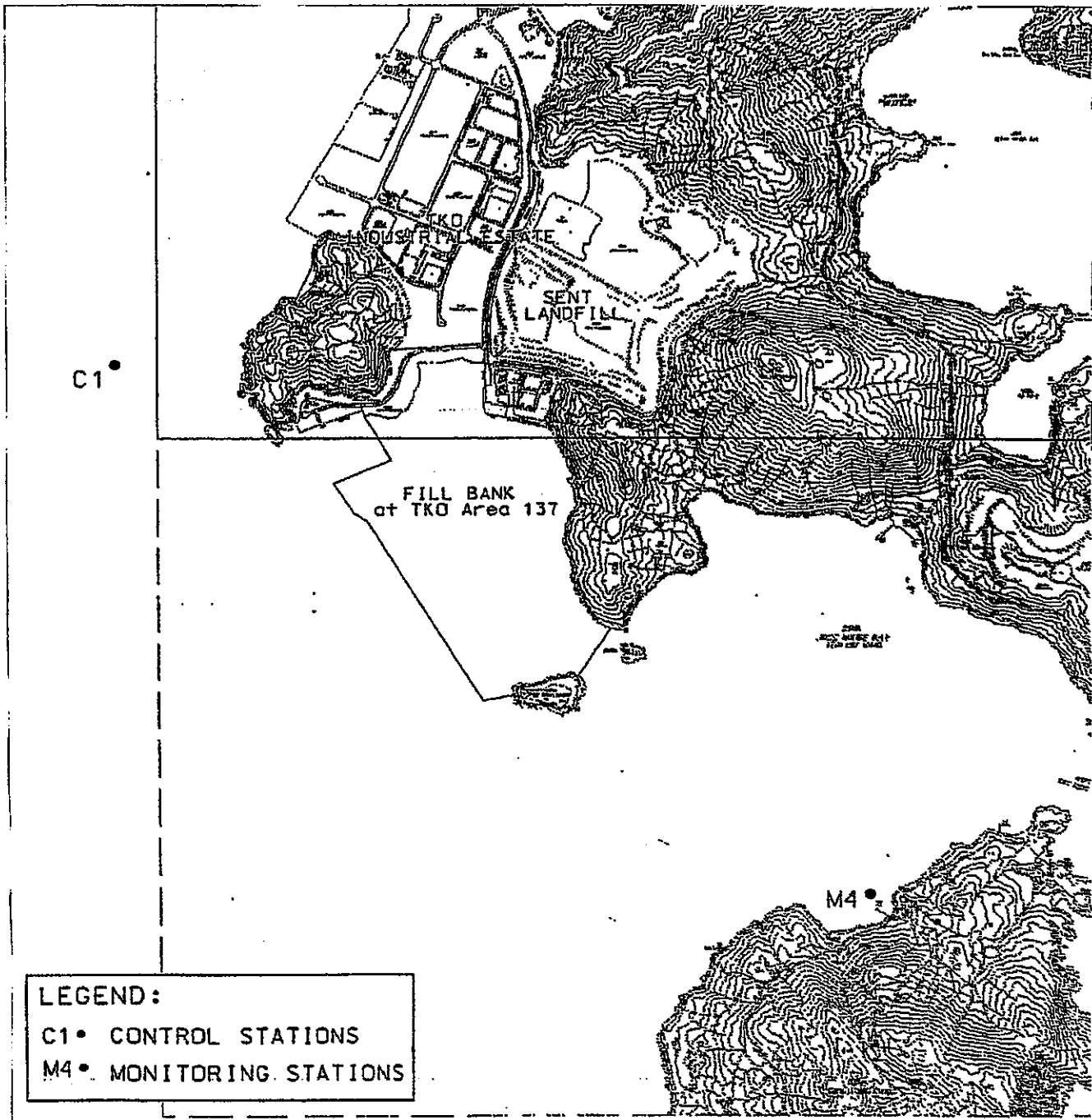
Log Ref.	Location	Received Date	Details of Complaint	Investigation / Mitigation Action	Status
001	Wan Po Road near TVB City	27 March 2006	A complaint was received by EPD on 27 March 2006, concerning the dust and debris on Wan Po Road near TVB City Caused by dump trucks from CEDD site.	<p>In response to the complaint, EPD, RE and Contractor had taken a joint site investigation on 27 March 2006. During this joint site investigation, the performance of the wheel washing facilities was found satisfactory in cleaning the wheels of outgoing dump trucks. Besides, the area where vehicle washing takes place and the section of the road between the washing facilities and the exit point was paved with concrete. It is no evidence to show the complaint was not related to the Fill Bank and it is believed that traffic other than Fill Bank (such as dump trucks from the Construction Waste Sorting Facility) deposited the mud and debris to road surface as they travel through Wan Po Road.</p> <p>Although the complaint was not related to the operation of Fill Bank, some mitigation measures has been taken by the Contractor to maintain the haul road and Public road:</p> <ul style="list-style-type: none"> • The Contractor arranged water lorries to carry out ad-hoc additional washings on the section of Wan Po Road as well as the access road concerned during and after the joint site visit; • The Contractor arranged road sweeper to carry out routine cleaning the haul road and the public roads outside the Fill Bank including the section of Wan Po Road nearby TVB City; • All dump tracks and other vehicle were washed and removed all dusty materials from its body and wheels through wheel washing facilities before leaving the Fill Bank; and • Main haul road was sprayed with water by using mist-spraying system to maintain the road surface wet. <p>From ET's weekly site inspection on 30 March 2006, it was noted that no dust and debris were observed on the Wan Po Road. The haul road and public road near the exit point were found wet and clean (Appendix C). Wheel washing facilities were operated properly and all dump tracks and other outgoing vehicles were washed by passing through the wheel washing facilities before leaving the Fill Bank. No violation relating depositing of debris and mud on road surface was observed during the site inspection. Hence, it was believed that the complaint was not related to the operation of Fill Bank and no further action was required to be implemented.</p>	Closed



Log Ref.	Location	Received Date	Details of Complaint	Investigation / Mitigation Action	Status
002	TKO Fill Bank	24 Oct 06	A complaint was received by EPD on 24 October 2006, concerning a very dusty haul road and dumping areas in Fill Bank.	<p>With site inspection record on 26 October 2006, the performance of water-spraying was found satisfactory. Information from Water-spraying record provided by Contractor, total 24 trips of Water-spraying had been applied to Fill Bank during 08.00 to 17.30 on 23 October 2006. Each turn occupied not less than 30 minutes with 3 different trucks on different locations simultaneously conducting the Water-spraying activity all over the site.</p> <p>After inspection we found out that outside drivers caused the problem as 'quick drying effect' on haul road due to their fast driving speed in excess of 40 km/hr rather than maximum 10 km/hr promulgated at the site, thus counteracting the effectiveness of water-spraying applied on the haul road.</p> <p>Although the complaint was not related to the site operation of Fill Bank, certain mitigation measures had been taken by the Contractor to maintain the haul road and public road.</p> <ul style="list-style-type: none"> • Contractor promised to further increase the frequency of Water-spraying practice at the site in order to avoid any free dust generation. • Contractor had narrowed the width of haul road in order to suppress overspeed driving activities and maintain maximum driving speed limit 10 km/hr on site. • A new concrete pavement, 600 m long and 8-10 m in width will be constructed for dump truck drivers use and completion date is expected to be on late November 2006. Road humps will also be set on the pavement at appropriate locations for further retarding the speed of the vehicles so that the overspeeding of the outside vehicles and 'quick drying effect' caused on road surface due to the fast driving can be controlled and the resulting generation of dust emission can also be eliminated. <p>We believe that the Contractor had provided as much as measures for the whole site to mitigate the air pollution problem and thus the complaint is counted to be invalid. Formal CIR has submitted to EPD by post and copies had dispatched to EPD, IEC, CEDD and Contractors on 7th November 2006 via e-mail and facsimile for retention.</p>	Closed



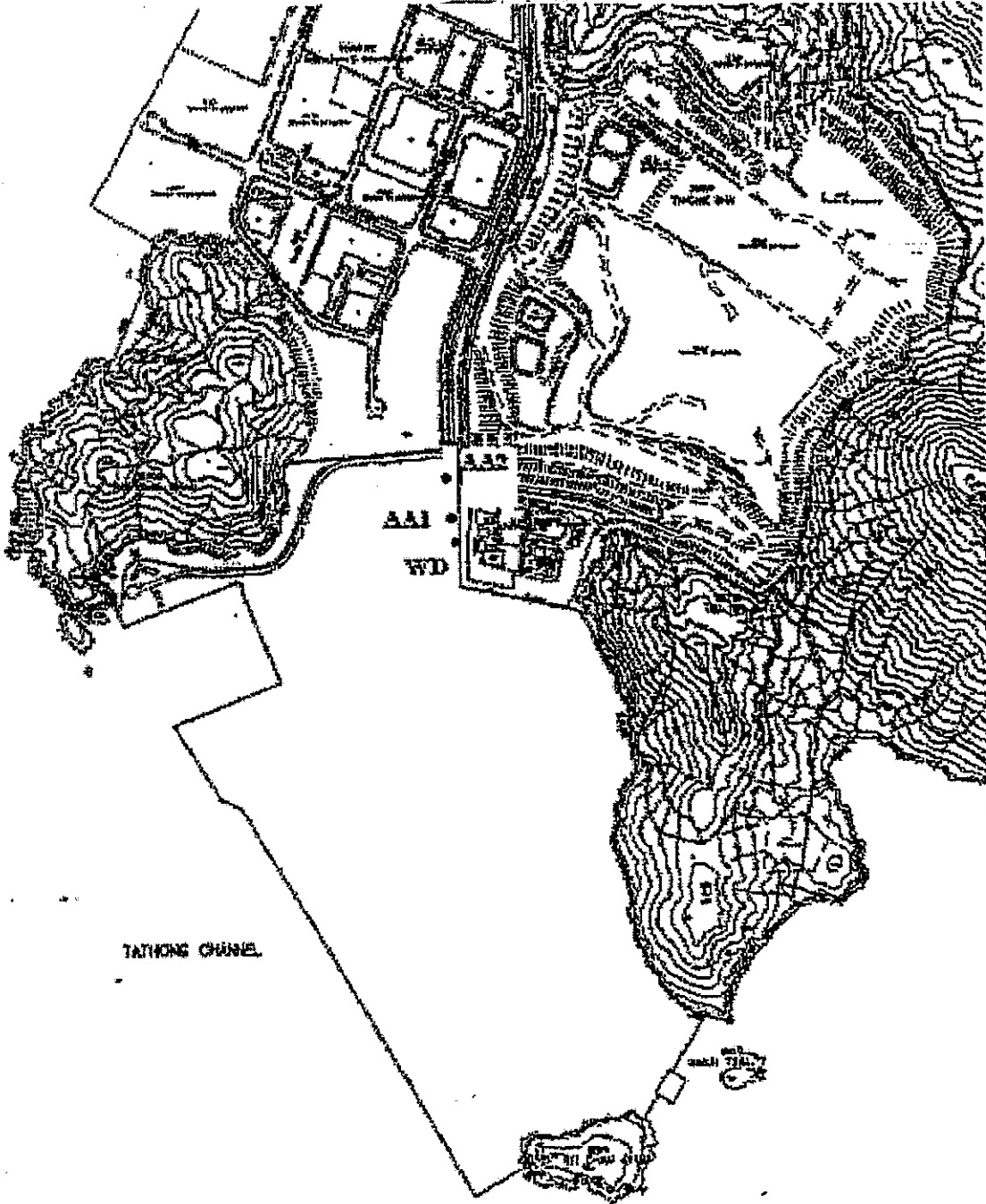
Figures



Contract No. CV/2006/02 Operation of Public Fill Reception Facilities at Tuen Mun Area 38, Tseung Kwan O Area 137, Quarry Bay and Mui Woo

Figure 1
Locations of Water Quality Monitoring Stations –
Fill Bank at Tseung Kwan O Area 137





Legend:

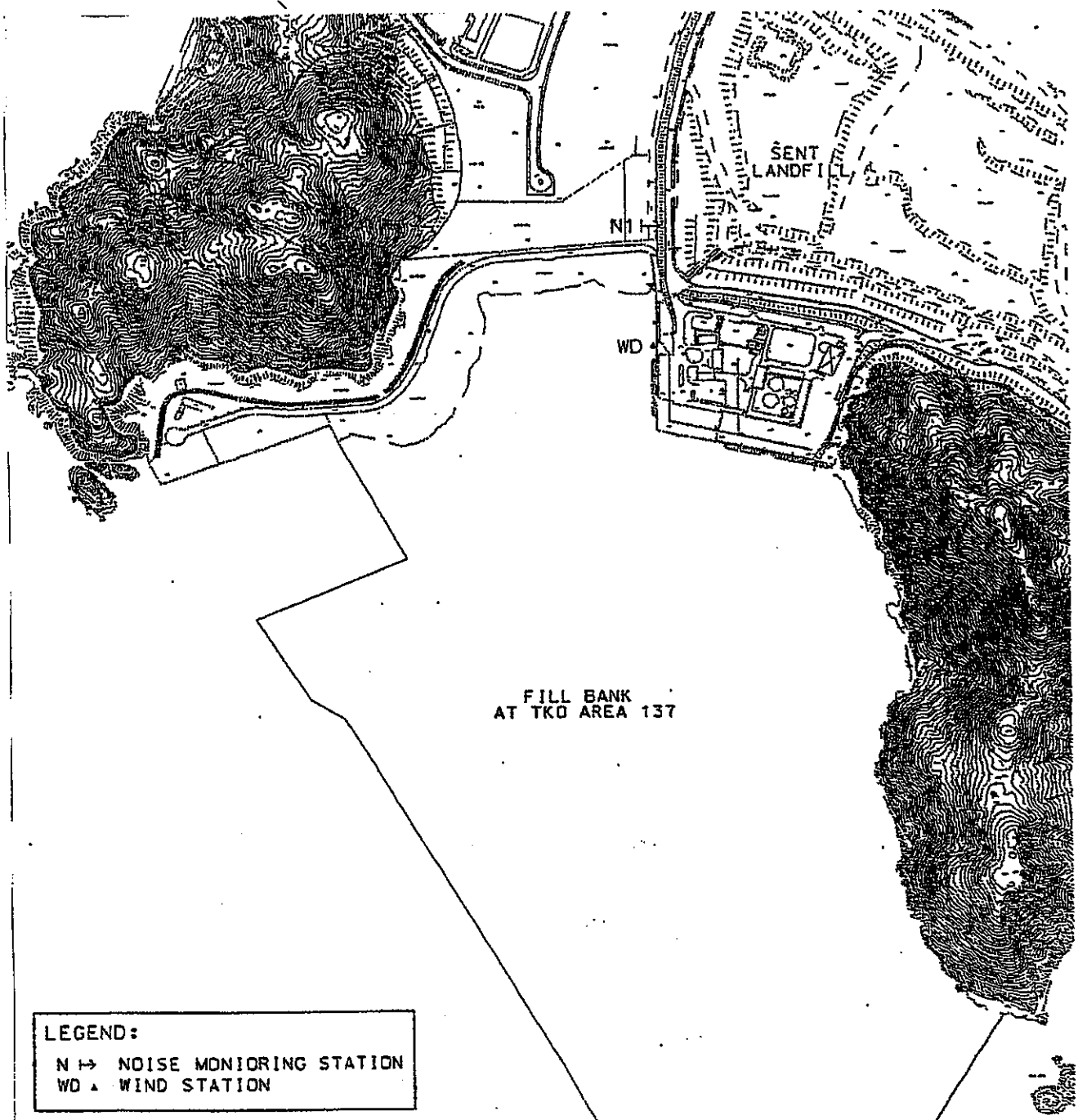
AA * Air Monitoring Stations

WD = Wind Station

Contract No. CV/2006/02 Operation of Public Fill Reception Facilities at Tuen Mun Area 38, Tseung Kwan O Area 137, Quarry Bay and Mui Woo

Figure 3
Locations of Air Quality Monitoring Stations –
Fill Bank at Tseung Kwan O Area 137





LEGEND:
 N ⇨ NOISE MONITORING STATION
 WD ▲ WIND STATION

Contract No. CV/2006/02 Operation of Public Fill Reception Facilities at Tuen Mun Area 38, Tseung Kwan O Area 137, Quarry Bay and Mui Woo

Figure 2
 Locations of Noise Monitoring Station –
 Fill Bank at Tseung Kwan O Area 137

