

**DETROIT RIVER INTERNATIONAL CROSSING (DRIC)  
3<sup>rd</sup> INTERIM AIR QUALITY MONITORING REPORT  
APRIL 1<sup>st</sup>, 2007 – June 30<sup>th</sup>, 2007**

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## **EXECUTIVE SUMMARY**

As part of the Environmental Assessment, the Detroit River International Crossing (DRIC) team has established two ambient air monitoring stations in the Area of Continued Analysis (ACA), along the existing Huron Church/Highway 3 corridor. These monitoring stations have been collecting data on ambient concentrations of nitrogen oxides, fine particulate matter, VOCs, aldehydes, and local meteorology since October 1<sup>st</sup>, 2006 and this monitoring will continue until the end of September 2007. The information from this monitoring program will be used in establishing current baseline conditions in the area for use in the air dispersion modelling portion of the Environmental Assessment associated with the DRIC project. This report presents the results from the first three quarters the sampling period, from October 1<sup>st</sup>, 2006 to June 30<sup>th</sup>, 2007, with a focus on the third quarter, beginning April 1<sup>st</sup>, 2007. The main findings to date are as follows:

- There were no exceedances of the MOE AAQCs (1-hr and 24-hr) for NO<sub>2</sub> at either station during the third quarter of sampling;
- The average NO<sub>x</sub> and NO<sub>2</sub> concentrations at each station decreased slightly in the third quarter compared to the first two quarters;
- There were no measured exceedances of the guideline limits for either of the VOCs (acrolein, benzene) that were included in the monitoring program at any point during the third quarter of sampling;
- There were no exceedances of the MOE AAQCs for either of the aldehydes (acetaldehyde, formaldehyde) that were included in the monitoring program at any point during the third quarter of sampling;
- The proposed Canada Wide Standard (24-hr) for PM<sub>2.5</sub> was exceeded at both stations (11 days at OPHL and 12 days at St. Clair College), bringing the total thus far in the sampling period to 29 exceedance days at OPHL and 24 at St. Clair College. This may be attributed to any number of local or transboundary sources. The results of the air dispersion modelling which is currently underway will clarify the actual impact of traffic on local concentrations;
- The average 24-hr PM<sub>2.5</sub> concentration at each monitoring station for the period thus far remained relatively unchanged since the end of the second quarter;
- Average daily car traffic volumes for the third quarter remained relatively unchanged compared to daily average volumes from the first two quarters (decrease of 0.02%). Average daily short truck and long truck traffic volumes increased in the third quarter compared to daily average volume from the first two quarters. The percentage increase for short trucks and long trucks was approximately 12.9% and 1.5%, respectively.

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Appendix A4: Record of Traffic Data

## **1.0 INTRODUCTION**

### **1.1 PURPOSE OF STUDY**

As part of the Environmental Assessment, the Detroit River International Crossing (DRIC) team has established two ambient air monitoring stations in the Area of Continued Analysis (ACA), along the existing Huron Church/Highway 3 corridor. The purpose of the monitoring program is to collect data on the total pollutant concentrations that are routinely observed in the corridor, rather than specifically determine the fraction that originates from the roadway. This air contaminant concentration data is to be used in establishing baseline data in the air modelling assessment as it firmly establishes the air quality conditions in the study area. The monitoring stations were each operating by September 28<sup>th</sup>, 2006. The official beginning to the air monitoring program was considered to be October 1<sup>st</sup>, 2006; non-continuous monitoring for air toxics will continue until the end of September 2007. Continuous monitoring for oxides of nitrogen and PM<sub>2.5</sub> was extended until the end of October 2007 to confirm some inconsistent measurements that were collected in October 2006, which are suspected to be a result equipment malfunction. This report presents the results from the first three quarters of the sampling period, from October 1<sup>st</sup>, 2006 to June 30<sup>th</sup>, 2007, with a focus on the third quarter, beginning April 1<sup>st</sup>, 2007.

The data collected during this study will be used to:

- Establish current conditions within the Huron Church Road/Hwy 3 corridor;
- Assist in determining background air concentrations of the pollutants being measured; and
- Benchmark the air dispersion modelling.

The measured concentrations will be compared to the relevant federal Canada Wide Standards (CWSs) and provincial Ambient Air Quality Criteria (AAQCs) and guidelines to assess whether they are presently within acceptable levels. In addition, the monitoring data will be used in combination with air dispersion modelling undertaken by the DRIC study team to determine the contribution from the roadway relative to upwind background sources in the area which may include Zug Island and other local industries. This background contribution will be added to all modelled results for the assessment of the Practical Alternatives. Also, the data will be used to validate the air dispersion modelling and contributions from upwind background sources. This will be done by modelling the existing conditions and comparing the model predicted concentrations (including background) with the measurements for each pollutant. A statistical analysis will then be completed to confirm the model accuracy is within acceptable levels. This is the third interim report released by the Study Team.

## 1.2 POLLUTANTS BEING MEASURED

Nitrogen oxides (NO<sub>x</sub>) and fine particulate matter (PM<sub>2.5</sub>) are generally the typical air pollutant indicator compounds with respect to transportation related vehicle emissions. Other criteria air pollutants such as sulphur dioxide (SO<sub>2</sub>), carbon monoxide (CO) and various species of volatile compounds are also related to transportation sources, but generally are not problematic in terms of health and environmental effects. Four air toxics associated with transportation sources have been selected for monitoring. These are:

- Benzene
- Acrolein \*
- Formaldehyde \*
- Acetaldehyde \*

While transportation sources are not the dominant contributor of the above VOCs to the ambient air (as they are each used widely in industry), they are considered to be characteristic compounds in vehicle exhaust. Benzene is present in the exhaust of gasoline-powered vehicles, as well as diesel-powered vehicles to a lesser extent. Acrolein, formaldehyde, and acetaldehyde (denoted with an asterisk above) are typically associated with diesel-powered heavy trucks (more so than gasoline-powered vehicles), and are believed to be primarily responsible for the characteristic odour of diesel exhaust.

It should be noted that transportation sources are only one source of the pollutants included in this study, and all measured concentrations would be expected to have contributions from a variety of local, regional and transboundary sources (i.e., nearby industrial operations and other sources). The MOE operates two monitoring stations in the Windsor area (Windsor West and Windsor Downtown), which collect information on air concentrations, including those measured in the DRIC study. The MOE monitoring data for April to June 2007 was not available at the time this report was written, however preliminary information from the MOE stations for previous years are included in the discussion sections to provide some perspective on the results from the DRIC study.

In addition to the air pollutant concentrations, meteorological data is continuously collected at both stations, such that the data can be correlated with the meteorological conditions. The parameters being measured are:

- Wind speed and direction;
- Temperature; and
- Relative Humidity.

### **1.3 AMBIENT AIR QUALITY CRITERIA (AAQCs), CANADA WIDE STANDARDS (CWS) AND GUIDELINE LEVELS**

The Ontario Ministry of the Environment (MOE) has set Ambient Air Quality Criteria (AAQCs) for a number of air pollutants of concern. Similar to AAQCs, the Canadian Council of Ministers of the Environment (CCME) has set Canada-Wide Standards (CWSs) for specific air pollutants – for PM<sub>2.5</sub> it is 30 µg/m<sup>3</sup> (24-hr average). Unlike regulatory standards that apply to fence-line (or Point of Impingement – POI) concentrations at industrial facilities, AAQCs are not legally enforceable unless included in a regulatory instrument (i.e. Certificate of Approval). Instead, these criteria represent the maximum concentration or level (based on potential effects) of contaminant that is desirable or considered acceptable in ambient air (MOE, 2005).

Similarly, the CWS for PM<sub>2.5</sub> represents a target concentration in ambient air that is to be achieved by 2010. According to the guidance documents provided by the CCME, CWS achievement will be based on community-oriented monitoring sites i.e., sites located where people live, work and play rather than at the expected maximum impact point for specific emission sources (CCME, 2000). Communities for which jurisdictions demonstrate (i) that continued exceedance of the CWS levels is primarily due to transboundary flow of PM and ozone or their precursor pollutants from the U.S. or from another province/territory, and (ii) that “best efforts” have been made to reduce contributions to the excess levels from pollution sources within the jurisdiction, will be identified in reporting as “transboundary influenced communities” that are unable to reach attainment of the CWSs until further reduction in transboundary air pollution flow occurs. Demonstration of transboundary flow influence will be a shared responsibility of the federal government and the affected province/territory, and demonstration of best efforts will include measures in both provincial/territorial and federal implementation plans. It is likely that when the CWS comes into force in 2010, Windsor will be designated as a “transboundary influenced community”.



## 2.0 MONITORING EQUIPMENT AND METHODOLOGY

The following section describes the equipment and methods used to collect samples of each of the contaminants presented in Section 1.0. The description will include information pertaining to whether the contaminant was collected on a continuous basis, or whether it was collected by a trained field technician operating on a pre-defined sampling schedule coinciding with the Environment Canada (EC) National Air Pollutant Surveillance (NAPS) network schedule. Each of the methods described below are either provided by, or approved by the U.S. Environmental Protection Agency (EPA) and Ontario Ministry of the Environment (MOE).

### 2.1 NITROGEN OXIDES (NO<sub>x</sub>)

The levels of nitrogen oxides (NO<sub>x</sub>) in the ambient air were measured using continuously sampling NO<sub>x</sub> analysers that operate on the principle of chemiluminescence, which is a U.S. EPA and Ontario Ministry of the Environment (MOE) approved method. Ambient air is continuously drawn into the analyser where it is exposed to a steady supply of ozone (O<sub>3</sub>), initiating a chemical reaction with the NO<sub>x</sub> compounds that produces light (chemiluminescence). The intensity of this light is directly proportional to the amount of nitrogen oxide (NO) in the sample gas stream. Nitrogen dioxide (NO<sub>2</sub>) that may also be present in the sample gas does not participate in this reaction; therefore a second stream of gas is also passed through a catalytic-reactive converter, which converts the NO<sub>2</sub> to NO such that chemiluminescence may take place. The results from this second stream are reported as NO<sub>x</sub>, and the NO<sub>2</sub> content is determined by difference, through subtracting the known NO content of the sample gas from the first stream. A record of the NO<sub>x</sub> measurements is included in Appendix A1.

### 2.2 FINE PARTICULATE MATTER (PM<sub>2.5</sub>)

Samples of fine particulate matter with a diameter less than 2.5 micron (PM<sub>2.5</sub>) are collected using MetOne Instruments BAM-1020 Particulate Monitors. This instrument uses the principle of beta ray attenuation through a filter tape to provide an hourly determination of mass concentration on a continuous basis. Each hour, the instrument performs a cycle consisting of four steps in order to produce an average hourly PM<sub>2.5</sub> concentration. Included in each cycle is an automatic calibration, which allows the instrument to provide highly accurate PM<sub>2.5</sub> concentrations each hour. Descriptions of each of the steps in the cycle are described in detail in Appendix A2.

### 2.3 VOC SAMPLING

The method applied to collect samples of volatile organic compounds (VOCs) was the U.S. EPA Compendium Method TO-15: *Determination of Volatile Organic Compounds (VOCs) In Air*

*Collected In Specially-Prepared Canisters and Analysed by Gas Chromatography/Mass Spectrometry (GC/MS).*

VOCs are collected in polished stainless steel canisters (summa canisters) over a set time period. For the purposes of this study, samples were collected over a period of 24-hours. Summa canisters are stainless steel vessels that have had their internal surfaces made chemically inert through an electro-polishing and chemical deactivation process. These 6L canisters hold a high vacuum (~28" Hg), and ambient air is sampled by opening a valve which draws air into the canister. Before sampling, a flow controller is attached to the canister to control the rate at which air is drawn into the canister, such that sampling occurs evenly over the course of the desired time period. This method of VOC sampling requires that a field technician place the canister in the selected location and manually open and close the valve at the beginning and end of each sampling period.

Following sample collection, the canisters are shipped to a laboratory for analysis for benzene and acrolein. Results are reported on a 24-hour average basis.

## **2.4 ALDEHYDE SAMPLING**

The method applied to collect samples of aldehydes was the U.S. EPA Compendium Method TO-11A: *Determination of Formaldehyde in Ambient Air Using Adsorbent Cartridge Followed by High Performance Liquid Chromatography (HPLC)*. This method applies to the collection of formaldehyde, as well as other carbonyl compounds (aldehydes and ketones).

Samples of aldehydes are collected on sorbent tubes (glass tubes filled with material that easily absorb the target compounds), which meet the specifications of U.S. EPA Method TO-11A for the determination of aldehydes in ambient air. These tubes are 6 mm OD x 110 mm long, and contain a 300 mg front sorbent section, and a 150 mg backup sorbent section. The sorbent is silica gel coated with 2,4-dinitrophenylhydrazine (DNPH). Ambient air is drawn through this sorbent tube by a personal pump at a flow rate of approximately 1 L/min for a period of 24-hours. This requires that a field technician calibrate the pump before and after each sampling period, and be present to switch the pump on and off.

After sampling, the tubes are sealed and kept refrigerated until they are packed in coolers and forwarded to the laboratory for analysis of formaldehyde and acetaldehyde.

## **2.5 MONITORING LOCATIONS**

The DRIC team examined potential locations to site the monitoring stations within the Highway 3/Talbot Road/Huron Church corridor. In addition, suggested locations for each station

were obtained from the DRIC Community Consultation Group (CCG). The final locations were selected based on the technical requirements / limitations of the available properties (i.e., site access, power availability, trees) and permissions from the property owners. Both stations are located within 45 m of the edge of the roadway, along Huron Church / Highway 3.

The first station was deployed in an open field adjacent to the Ontario Public Health Laboratory (OPHL), which is located at 3400 Huron Church Rd. (between Cabana Rd. and Pulford St.). The second station is located adjacent to 2015 Talbot Road (Highway 3), which is on the south side of the road, opposite the main entrance to St. Clair College. Both locations experience significant traffic. In addition, the station at St. Clair College will experience the effects of idling traffic, as vehicles queue at the intersection. A traffic counting station on Huron Church Road, located in the St. Clair College area provide continuous traffic counts to correlate with the measurements. Figures 2.1 and 2.2 illustrate the approximate locations of each monitoring station.

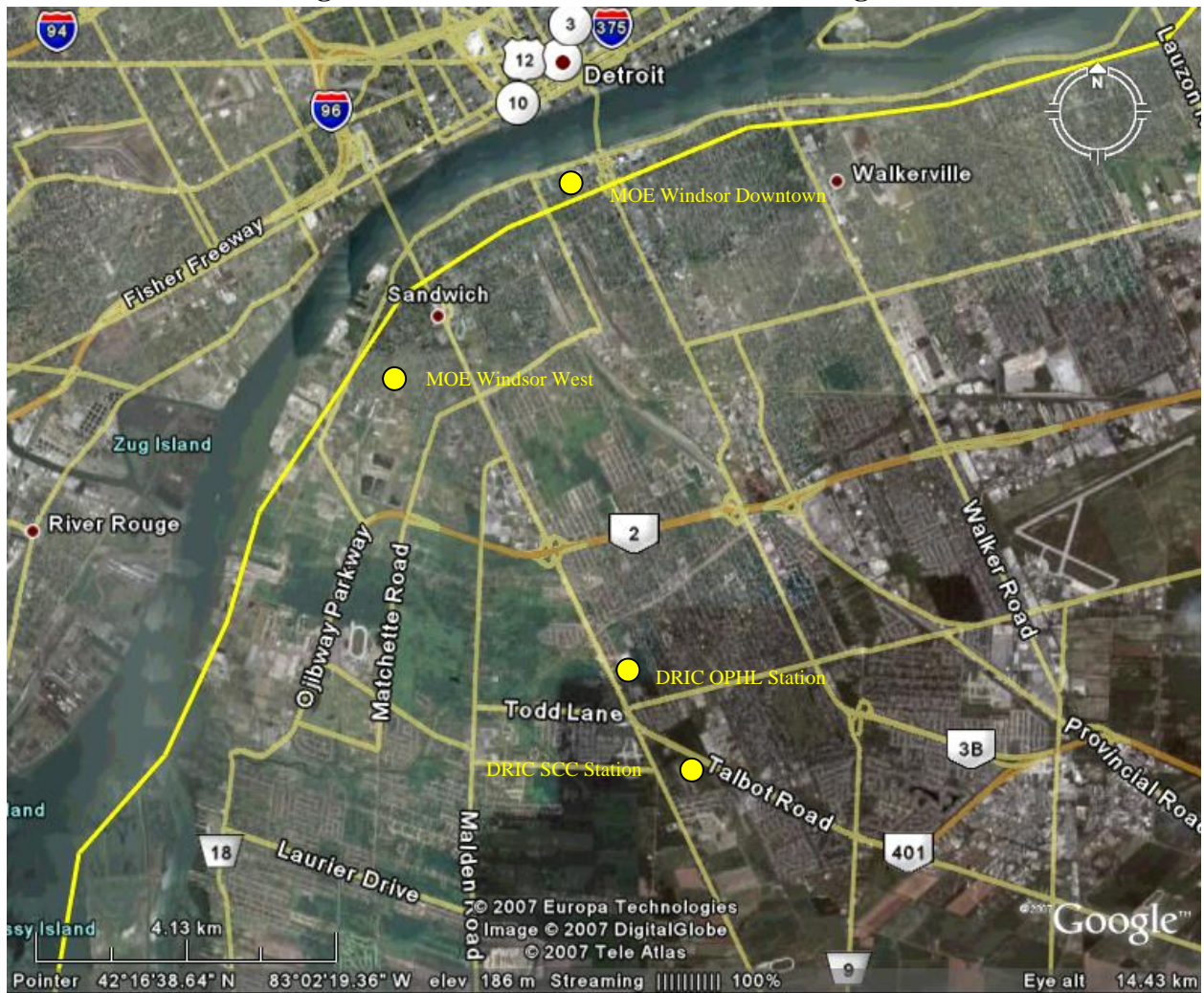
**Figure 2.1**  
**Ontario Public Health Laboratory Air Monitoring Station Location**



**Figure 2.2**  
**St. Clair College Air Monitoring Station Location**



**Figure 2.3**  
**MOE Monitoring Station Locations and DRIC Monitoring Station Locations**



## 3.0 MONITORING RESULTS AND DISCUSSION

### 3.1 MONITORING RESULTS TO DATE

The following section outlines the monitoring results by contaminant, for the period from October 1<sup>st</sup>, 2006 – June 30<sup>th</sup>, 2007, with a specific focus on the third quarter (beginning April 1<sup>st</sup>, 2007). A discussion of the results presented below appears in Section 3.4.

#### 3.1.1 Nitrogen Oxides

Nitrogen oxides are emitted to the air from combustion processes, and are largely comprised of nitric oxide (NO) and nitrogen dioxide (NO<sub>2</sub>). Major sources include the transportation sector, utilities and other processes that involve the combustion of fossil fuels.

Nitrogen dioxide is a reddish brown gas with a pungent odour, which transforms in the atmosphere to form nitric acid and nitrates. It also plays a major role in atmospheric reactions that produce ground level ozone, which is a major component of smog. Nitrogen dioxide reacts to form organic nitrates, which contribute to the formation of fine particulate (i.e., PM<sub>2.5</sub>). It is the NO<sub>2</sub> portion of nitrogen oxides that is typically used for comparison to regulatory standards and criteria.

Atmospheric concentrations of NO, NO<sub>2</sub> and NO<sub>x</sub> were measured continuously at both monitoring sites and averaged on an hourly basis, calculated on the hour. The resulting hourly concentrations and daily average concentrations of NO<sub>2</sub> were compared to MOE Ambient Air Quality Criteria (AAQCs) for NO<sub>2</sub> of 200 ppb and 100 ppb, respectively. These AAQCs are outlined in the MOE document *Summary of O.Reg. 419/05 Standards and Point of Impingement Guidelines and Ambient Air Quality Criteria* (MOE, 2005). The MOE document specifically states that the one hour and 24 hour standards should only be compared to NO<sub>2</sub> monitored data. A summary of the hourly maximum, minimum and average NO<sub>x</sub> and NO<sub>2</sub> concentrations separated by each month in the sampling period are presented in Tables 3.1 and 3.2, respectively. The daily maximum, minimum and average NO<sub>x</sub> and NO<sub>2</sub> concentrations separated by each month in the sampling period to-date are presented in Tables 3.3 and 3.4, respectively.

**Table 3.1**  
**Hourly Max/Min/Average NO<sub>x</sub> Concentrations by Month**  
**(October 2006 – June 2007)**

Monitoring Station	Month	Maximum Measured Concentration (ppb)	Minimum Measured Concentration (ppb)	Average Concentration (ppb)
Ontario Public Health Laboratory	Oct. 2006	319	0	30
	Nov. 2006	265	4	44
	Dec. 2006	231	2	33
	<b>Quarter #1</b>	<b>319</b>	<b>0</b>	<b>36</b>
	Jan. 2007	154	3	36
	Feb. 2007	297	0	38
	Mar. 2007	209	1	24
	<b>Quarter #2</b>	<b>297</b>	<b>0</b>	<b>32</b>
	Apr. 2007	182	0	20
	May 2007	181	0	22
	Jun. 2007	162	0	19
<b>Quarter #3</b>	<b>182</b>	<b>0</b>	<b>21</b>	
St. Clair College	Oct. 2006	140	0	15
	Nov. 2006	345	0	34
	Dec. 2006	222	2	20
	<b>Quarter #1</b>	<b>345</b>	<b>0</b>	<b>23</b>
	Jan. 2007	110	3	22
	Feb. 2007	237	4	24
	Mar. 2007	225	1	23
	<b>Quarter #2</b>	<b>237</b>	<b>1</b>	<b>23</b>
	Apr. 2007	239	0	22
	May 2007	192	0	22
	Jun. 2007	119	0	18
<b>Quarter #3</b>	<b>239</b>	<b>0</b>	<b>21</b>	



**Table 3.2**  
**Hourly Max/Min/Average NO<sub>2</sub> Concentrations by Month**  
**(October 2006 – June 2007)**

Monitoring Station	Month	MOE AAQC (ppb)	Maximum Measured Concentration (ppb)	Minimum Measured Concentration (ppb)	Average Concentration (ppb)
Ontario Public Health Laboratory	Oct. 2006	200	39	0	10
	Nov. 2006		45	2	18
	Dec. 2006		37	2	15
	<b>Quarter #1</b>		<b>45</b>	<b>0</b>	<b>14</b>
	Jan. 2007		42	2	17
	Feb. 2007		52	0	19
	Mar. 2007		48	1	13
	<b>Quarter #2</b>		<b>52</b>	<b>0</b>	<b>16</b>
	Apr. 2007		52	0	12
	May 2007		50	0	13
	Jun. 2007		55	0	11
	<b>Quarter #3</b>		<b>55</b>	<b>0</b>	<b>12</b>
	St. Clair College		Oct. 2006	200	25
Nov. 2006		45	0		14
Dec. 2006		38	2		12
<b>Quarter #1</b>		<b>45</b>	<b>0</b>		<b>11</b>
Jan. 2007		40	3		14
Feb. 2007		49	3		15
Mar. 2007		50	1		13
<b>Quarter #2</b>		<b>50</b>	<b>1</b>		<b>14</b>
Apr. 2007		55	0		12
May 2007		44	0		13
Jun. 2007		50	0		11
<b>Quarter #3</b>		<b>55</b>	<b>0</b>		<b>12</b>

**Table 3.3**  
**Daily Max/Min/Average NO<sub>x</sub> Concentrations by Month**  
**(October 2006 – June 2007)**

Monitoring Station	Month	Maximum Measured Concentration (ppb)	Minimum Measured Concentration (ppb)	Average Concentration (ppb)
Ontario Public Health Laboratory	Oct. 2006	101	2	30
	Nov. 2006	144	8	44
	Dec. 2006	118	9	33
	<b>Quarter #1</b>	<b>144</b>	<b>2</b>	<b>36</b>
	Jan. 2007	68	8	36
	Feb. 2007	111	3	38
	Mar. 2007	73	2	24
	<b>Quarter #2</b>	<b>111</b>	<b>2</b>	<b>32</b>
	Apr. 2007	67	3	20
	May 2007	71	2	21
	Jun. 2007	43	7	19
	<b>Quarter #3</b>	<b>71</b>	<b>2</b>	<b>20</b>
St. Clair College	Oct. 2006	50	1	14
	Nov. 2006	149	7	34
	Dec. 2006	66	5	21
	<b>Quarter #1</b>	<b>149</b>	<b>1</b>	<b>23</b>
	Jan. 2007	47	6	22
	Feb. 2007	61	8	24
	Mar. 2007	66	3	23
	<b>Quarter #2</b>	<b>66</b>	<b>3</b>	<b>23</b>
	Apr. 2007	86	2	22
	May 2007	73	3	22
	Jun. 2007	44	3	18
	<b>Quarter #3</b>	<b>86</b>	<b>2</b>	<b>21</b>

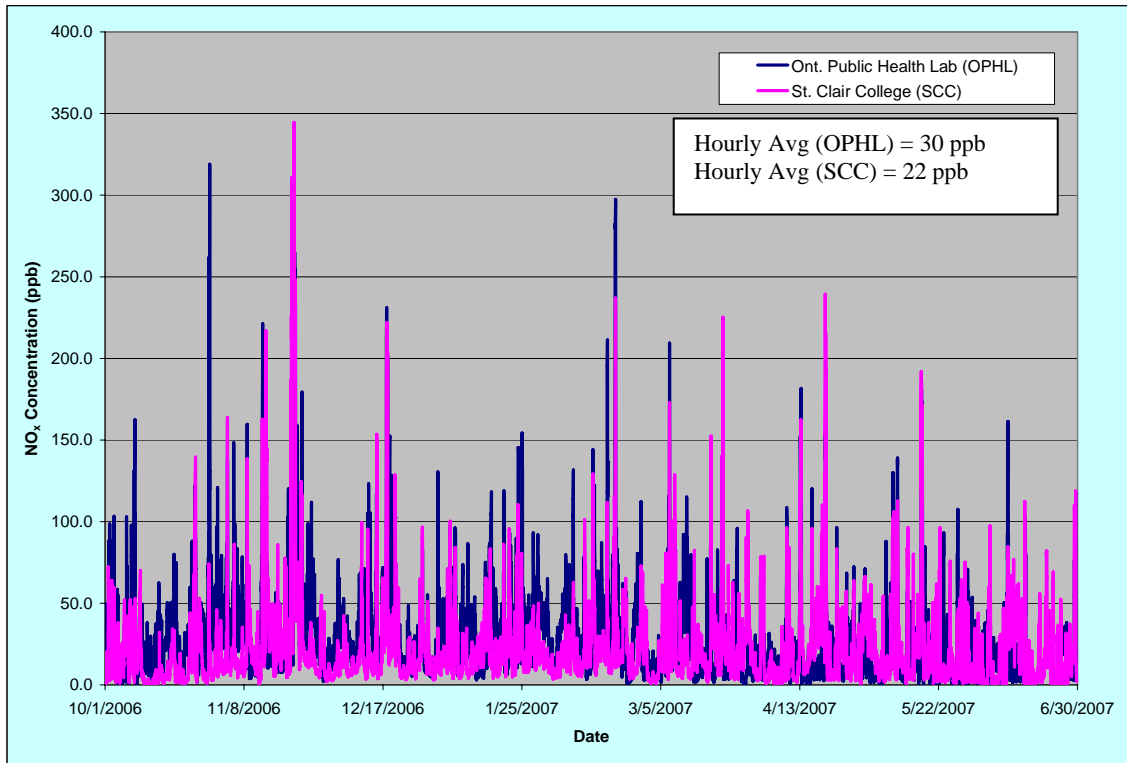
**Table 3.4**  
**Daily Max/Min/Average NO<sub>2</sub> Concentrations by Month**  
**(October 2006 – June 2007)**

Monitoring Station	Month	MOE AAQC (ppb)	Maximum Measured Concentration (ppb)	Minimum Measured Concentration (ppb)	Average Concentration (ppb)
Ontario Public Health Laboratory	Oct. 2006	100	21	1	9
	Nov. 2006		26	7	18
	Dec. 2006		28	7	15
	<b>Quarter #1</b>		<b>28</b>	<b>1</b>	<b>14</b>
	Jan. 2007		27	6	17
	Feb. 2007		36	3	19
	Mar. 2007		30	2	13
	<b>Quarter #2</b>		<b>36</b>	<b>2</b>	<b>16</b>
	Apr. 2007		31	3	11
	May 2007		26	2	13
	Jun. 2007		20	4	11
	<b>Quarter #3</b>		<b>31</b>	<b>2</b>	<b>12</b>
St. Clair College	Oct. 2006	100	14	1	7
	Nov. 2006		27	6	14
	Dec. 2006		25	5	12
	<b>Quarter #1</b>		<b>27</b>	<b>1</b>	<b>11</b>
	Jan. 2007		25	6	14
	Feb. 2007		28	7	15
	Mar. 2007		26	3	13
	<b>Quarter #2</b>		<b>28</b>	<b>3</b>	<b>14</b>
	Apr. 2007		27	2	12
	May 2007		26	2	13
	Jun. 2007		25	3	11
	<b>Quarter #3</b>		<b>27</b>	<b>2</b>	<b>12</b>

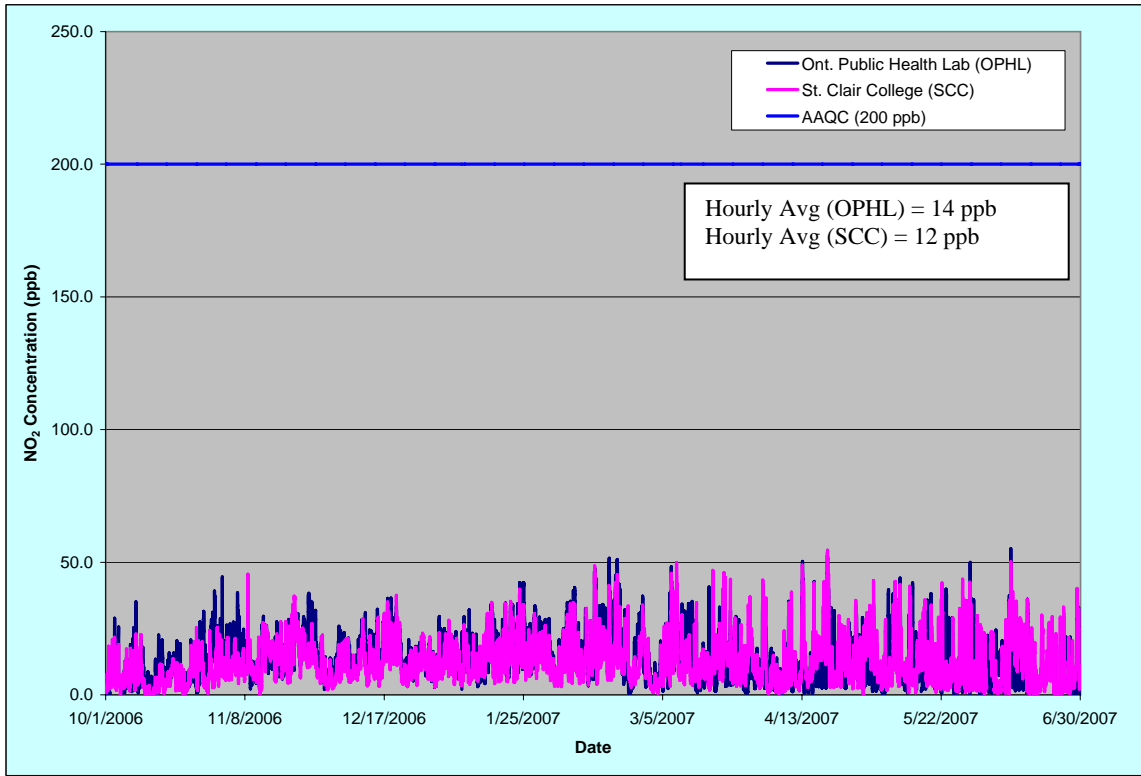
Tables 3.2 and 3.4 illustrate that maximum recorded hourly and daily average NO<sub>2</sub> concentrations are well below the AAQC values. The following figures present the entire data set for the sampling period thus far in graphical format, in order to show fluctuations in the NO<sub>x</sub> and NO<sub>2</sub> concentrations over the period. Figures 3.1 and 3.2 present the hourly average concentrations of NO<sub>x</sub> and NO<sub>2</sub> over the sampling period, respectively. Figures 3.3 and 3.4 present the daily average concentrations of NO<sub>x</sub> and NO<sub>2</sub> over the sampling period, respectively.

Refer to Appendix A1 for a tabular summary of all NO<sub>x</sub> concentrations collected over the sampling period.

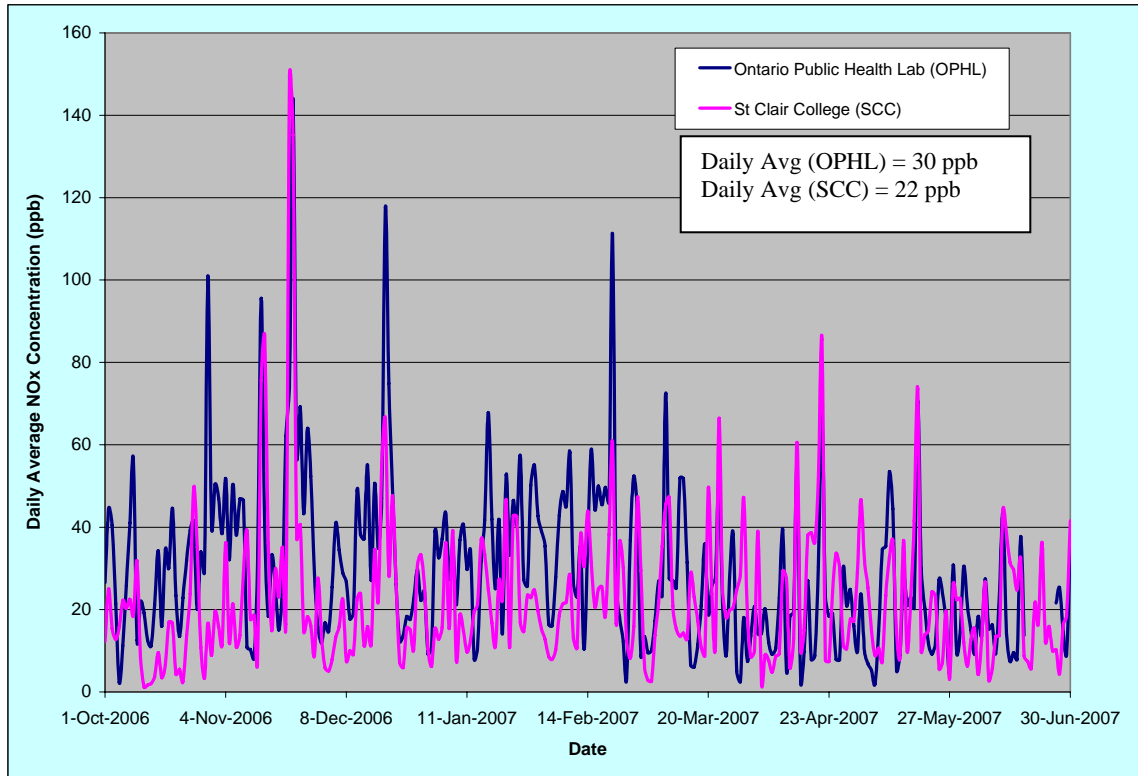
**Figure 3.1**  
**Hourly NO<sub>x</sub> Concentrations (ppb)**



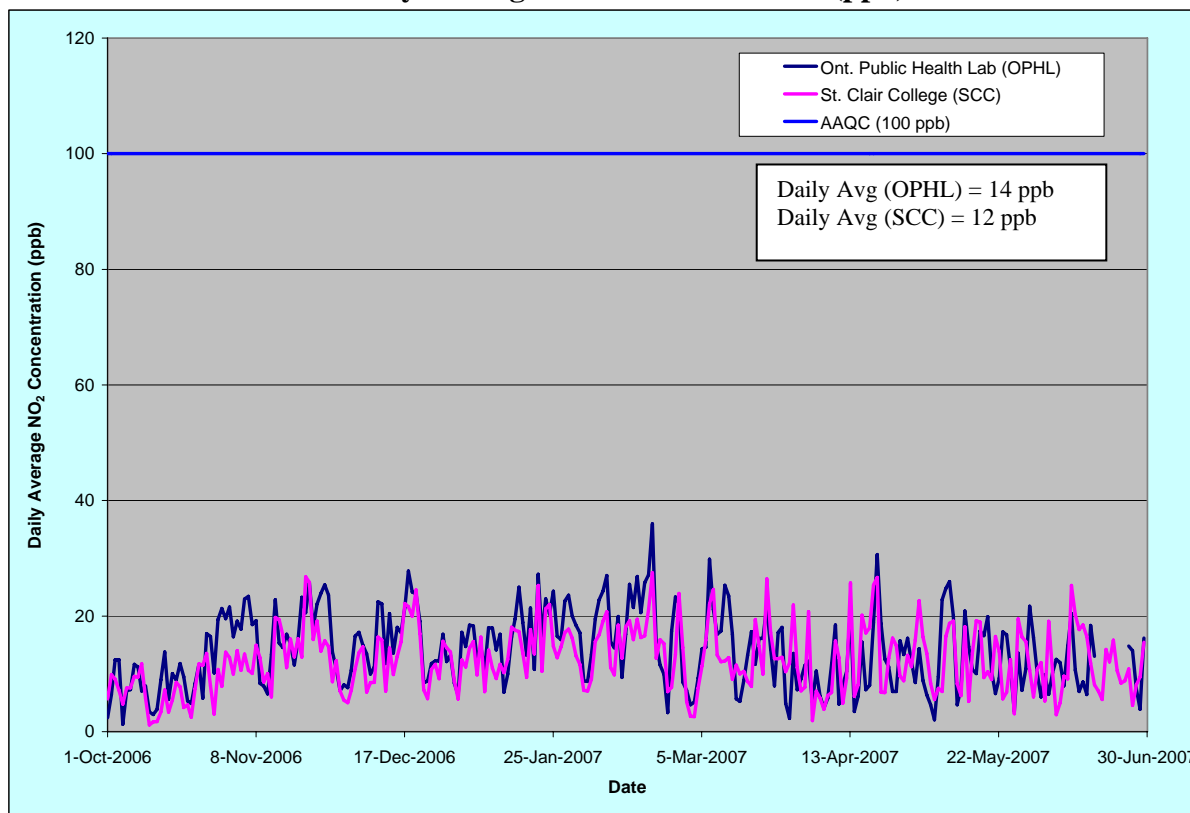
**Figure 3.2**  
**Hourly NO<sub>2</sub> Concentrations (ppb)**



**Figure 3.3**  
**Daily Average NO<sub>x</sub> Concentrations (ppb)**



**Figure 3.4**  
**Daily Average NO<sub>2</sub> Concentrations (ppb)**



### 3.1.2 PM<sub>2.5</sub>

Particulate matter includes aerosols, smoke, fumes, dust, flyash and pollen. Its composition varies with origin, residence time in the atmosphere, time of year and environmental conditions. Fine particulate matter may be emitted directly to the atmosphere through fuel combustion (e.g., motor vehicles, smelters, power plants, industrial facilities, residential fireplaces and wood stoves, agricultural burning and forest fires) or formed indirectly in the atmosphere through a series of complex chemical reactions (MOE, 2006).

Ambient concentrations of PM<sub>2.5</sub> were collected continuously at each of the monitoring stations as hourly averages, calculated on the hour. The 24-hr average concentration of PM<sub>2.5</sub> for each day was compared to the proposed Canada Wide Standard (CWS) of 30 µg/m<sup>3</sup>. The CWS for PM<sub>2.5</sub> will come into force in 2010, and achievement will be based on the 98th percentile annual ambient measurement, averaged over three consecutive years. A summary of the maximum, minimum, and average daily concentrations of PM<sub>2.5</sub> separated by month over the entire sampling period thus-far are presented in Table 3.5.

**Table 3.5**  
**Daily Max/Min/Average PM<sub>2.5</sub> Concentrations by Month**  
**(January – June 2007)**

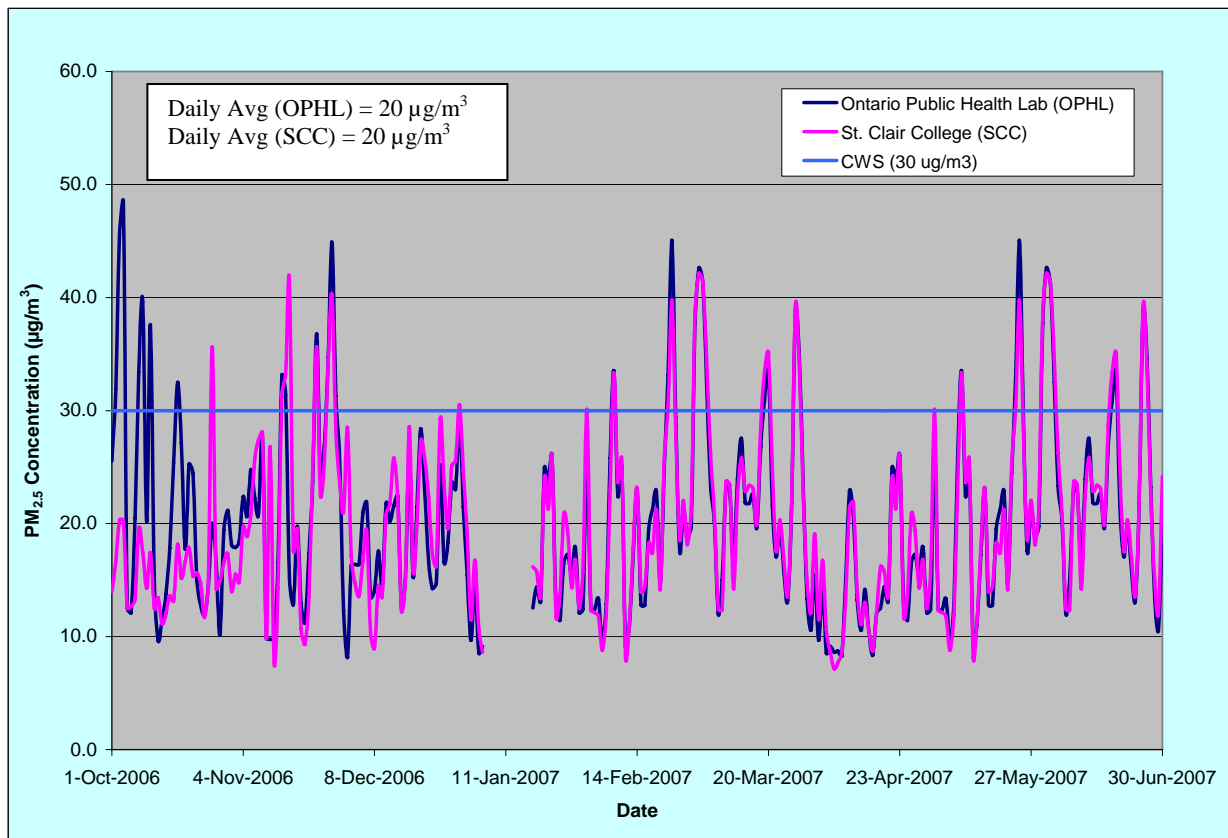
Monitoring Station	Month	CCME Canada Wide Standard (µg/m <sup>3</sup> )	Maximum Measured Concentration (µg/m <sup>3</sup> )	Minimum Measured Concentration (µg/m <sup>3</sup> )	Average Concentration (µg/m <sup>3</sup> )	# of Exceedances of CWS
Ontario Public Health Laboratory	Oct. 2006	30	48	10	22	7
	Nov. 2006		45	10	22	6
	Dec. 2006		29	8	19	0
	<b>Quarter #1</b>		<b>48</b>	<b>8</b>	<b>21</b>	<b>13</b>
	Jan. 2007		25	9	19	0
	Feb. 2007		37	10	21	3
	Mar. 2007		33	7	18	2
	<b>Quarter #2</b>		<b>37</b>	<b>7</b>	<b>19</b>	<b>5</b>
	Apr. 2007		26	8	14	0
	May 2007		45	9	21	5
	Jun. 2007		41	11	23	6
	<b>Quarter #3</b>		<b>45</b>	<b>8</b>	<b>20</b>	<b>11</b>
	St. Clair College		Oct. 2006	30	36	11
Nov. 2006		42	8		23	6
Dec. 2006		31	9		20	1
<b>Quarter #1</b>		<b>42</b>	<b>8</b>		<b>20</b>	<b>8</b>
Jan. 2007		25	12		19	0
Feb. 2007		35	11		19	2
Mar. 2007		32	7		18	2
<b>Quarter #2</b>		<b>35</b>	<b>7</b>		<b>19</b>	<b>4</b>
Apr. 2007		26	7		15	0
May 2007		42	8		21	6
Jun. 2007		41	12		24	6
<b>Quarter #3</b>		<b>42</b>	<b>7</b>		<b>20</b>	<b>12</b>

Figure 3.5 presents a graph illustrating the daily fluctuations in PM<sub>2.5</sub> concentration over the entire sampling period, from October 1<sup>st</sup>, 2006 to June 30<sup>th</sup>, 2007. The figure shows a break in data between January 5<sup>th</sup> and January 17<sup>th</sup>, 2007. This was due to an instrument error at both stations, in which the filter tape reached the end of its length and thus no further concentrations



could be recorded. This is described further in Section 4.3. Refer to Appendix A2 for a tabular summary of all PM<sub>2.5</sub> concentrations collected over the sampling period.

**Figure 3.5**  
**Daily Average PM<sub>2.5</sub> Concentrations (µg/m<sup>3</sup>)**



### 3.1.3 Aldehydes

Ambient concentrations of formaldehyde and acetaldehyde were measured on an approximate 3-day cycle (twice per week) coinciding with the EC NAPS network 6-day schedule. The samples were collected by a trained field technician and sent to an accredited laboratory for analysis. The resulting concentrations were compared to the MOE 24-hr AAQCs of 65 µg/m<sup>3</sup> for formaldehyde, and 500 µg/m<sup>3</sup> for acetaldehyde. Table 3.6 summarizes the maximum, minimum and average daily concentrations of each aldehyde collected during the quarter and the entire period.

**Table 3.6**  
**Daily Max/Min/Average Concentrations of Aldehydes for the Quarter**  
**(April – June 2007)**

Monitoring Station	Contaminant	MOE 24-hr AAQC ( $\mu\text{g}/\text{m}^3$ )	Maximum Measured Concentration ( $\mu\text{g}/\text{m}^3$ )		Minimum Measured Concentration* ( $\mu\text{g}/\text{m}^3$ )		Average Concentration ( $\mu\text{g}/\text{m}^3$ )	
			Apr-Jun 2007 (Q3)	Sampling Period to-Date (Q1-Q3)	Apr-Jun 2007 (Q3)	Sampling Period to-Date (Q1-Q3)	Apr-Jun 2007 (Q3)	Sampling Period to-Date (Q1-Q3)
Ontario Public Health Laboratory	Acetaldehyde	500	1.2	2.4	0.2	0.2	0.6	0.9
	Formaldehyde	65	3.6	5.0	0.3	0.3	2.1	2.2
St. Clair College	Acetaldehyde	500	1.3	2.5	0.3	0.2	0.7	0.9
	Formaldehyde	65	5.4	5.7	0.3	0.3	2.3	2.3

\*note: column includes detected concentrations – levels that were below the detection limit of the lab instrumentation were not included.

To put these results into perspective, Table 3.7 outlines historical results from the MOE Windsor monitoring station from the years 2003 and 2004.

**Table 3.7**  
**Max/Min/Average Concentrations of Aldehydes from MOE Windsor Station**  
**(2003 – 2004)**

Contaminant	Maximum Measured Concentration ( $\mu\text{g}/\text{m}^3$ )		Minimum Measured Concentration ( $\mu\text{g}/\text{m}^3$ )		Mean Concentration ( $\mu\text{g}/\text{m}^3$ )	
	2003	2004	2003	2004	2003	2004
Acetaldehyde	4.6	1.2	0.7	0.4	1.7	0.6
Formaldehyde	11.3	2.1	1.4	0.9	3.1	1.2

As can be seen in the tables, the average measurements at the DRIC monitoring stations for the sampling period thus far are less than the MOE measurements made in 2003, and greater than the MOE measurements made in 2004. The 2004 MOE values are somewhat lower than those in 2003.

### 3.1.4 Volatile Organic Compounds

Samples of VOCs were collected by a trained field technician on the same cycle as the aldehyde samples. The samples were collected in Summa canisters and sent to an accredited laboratory for analysis. There are at present no MOE AAQCs for either acrolein or benzene. Instead, guideline limits from other jurisdictions or previous MOE AAQCs have been used as a measure of comparison. Table 3.8 outlines the maximum, minimum and average daily concentrations of each VOC for the quarter, as well as the guideline limits used for comparison.

**Table 3.8**  
**Daily Max/Min/Average Concentrations of VOCs for the Quarter**  
**(April – June 2007)**

Monitoring Station	Contaminant	Guideline Limit ( $\mu\text{g}/\text{m}^3$ )	Maximum Measured Concentration ( $\mu\text{g}/\text{m}^3$ )		Minimum Measured Concentration ( $\mu\text{g}/\text{m}^3$ )		Average Concentration ( $\mu\text{g}/\text{m}^3$ )	
			Apr-Jun 2007 (Q3)	Sampling Period To-Date (Q1-Q3)	Apr-Jun 2007 (Q3)	Sampling Period to-Date (Q1-Q3)	Apr-Jun 2007 (Q3)	Sampling Period to-Date (Q1-Q3)
Ontario Public Health Laboratory	Acrolein	9.6*	4.6	4.6	0.1	0.1	0.9	0.6
	Benzene	60 <sup>+</sup>	2.1	2.1	0.3	0.3	0.7	0.7
St. Clair College	Acrolein	9.6*	3.4	3.4	0.1	0.1	0.7	0.5
	Benzene	60 <sup>+</sup>	2.0	3.1	0.4	0.3	0.7	0.7

\* - converted to 24-hr from 1-hr

+ - not a health-based limit

To put these results into perspective, Table 3.9 outlines the historical VOC results (2003 – 2004) from the MOE Windsor monitoring station. Note that the MOE concentrations have been calculated from data collected over an entire year, whereas the concentrations in Table 3.6 have been calculated from data collected over six months.

**Table 3.9**  
**Max/Min/Average Concentrations of VOCs from MOE Windsor Station**  
**(2003 – 2004)**

Contaminant	Maximum Measured Concentration (µg/m <sup>3</sup> )		Minimum Measured Concentration (µg/m <sup>3</sup> )		Mean Concentration (µg/m <sup>3</sup> )	
	2003	2004	2003	2004	2003	2004
Acrolein	0.3	0.06	0.05	0.05	0.1	0.02
Benzene	6.3	6.3	0.6	0.4	1.7	1.8

The measured acrolein concentrations are higher on average than those measured previously at the MOE stations, while the measured benzene concentrations are lower.

### 3.2 METEOROLOGICAL DATA

Each of the two air monitoring stations are equipped with a fully functional meteorological station, which logs both 15-minute averages as well as 1-hour averages for outside temperature, relative humidity, wind direction and wind speed. The following sections summarize the meteorological data collected, and comparisons are made between the data set from the DRIC monitoring stations and other available data for the Windsor area.

#### 3.2.1 Temperature

Table 3.10 summarizes temperature data from the third quarter of the ambient air monitoring program, as well as the period thus far. Temperature is an important parameter, since near the surface it controls the buoyant component of turbulence (vertical motion). Heat from the earth's surface warms the air near the ground causing it to rise, reaching a maximum in the early afternoon and a minimum near sunrise. This aids pollutant dispersion. The near-surface temperature also controls how fast the surface dries. If the temperature is low, the moisture on the surface of the ground may remain or freeze, effectively sealing the surface from wind erosion and thereby reducing re-suspension of surface dust. Conversely, high temperatures lead to dry conditions, which result in surface dust being suspended and/or generated as vehicles drive on roadways. This dust is generated through brake and tire wear, pavement degradation, etc.

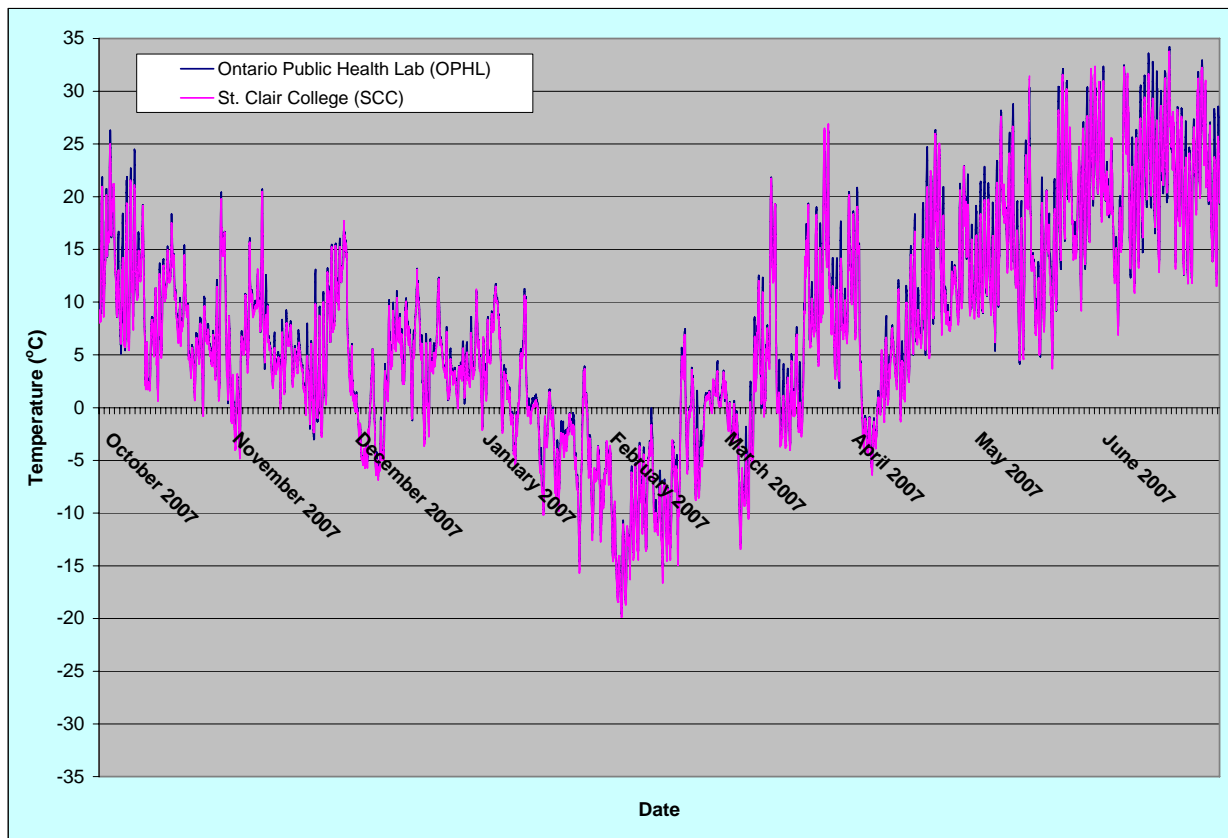
Table 3.10 outlines the maximum, minimum and average temperatures from the hourly data collected. The last row contains historical daily maximum, minimum and average temperatures from Environment Canada data, averaged over the years from 1971 through to 2000. According to this data, the temperature data for each month of the quarter was fairly typical.

A graph of the entire set of temperature data is provided in Figure 3.6. This shows the fluctuations in temperature over the sampling period thus far. A full tabular summary of the meteorological data is provided in Appendix A3.

**Table 3.10**  
**Comparison of Temperature Data from Monitoring Stations to Local Normals**

Data Set	April 2007			May 2007			June 2007			Sampling Period to-Date (Q1-Q3)		
	Max (°C)	Min (°C)	Avg (°C)	Max (°C)	Min (°C)	Avg (°C)	Max (°C)	Min (°C)	Avg (°C)	Max (°C)	Min (°C)	Avg (°C)
OPHL	26.3	-6.1	8.7	32.1	4.1	16.9	34.2	7.7	22.1	34.2	-19.6	7.3
SCC	26.0	-6.4	8.3	32.3	3.7	16.6	33.8	6.9	22.0	33.8	-19.9	7.0
EC (avg. of 1971-2000)	13.4	3.0	8.2	20.5	9.3	14.9	25.4	14.7	20.1	25.4	-8.1	5.7

**Figure 3.6**  
**Average Hourly Temperature for the Period-to-Date**

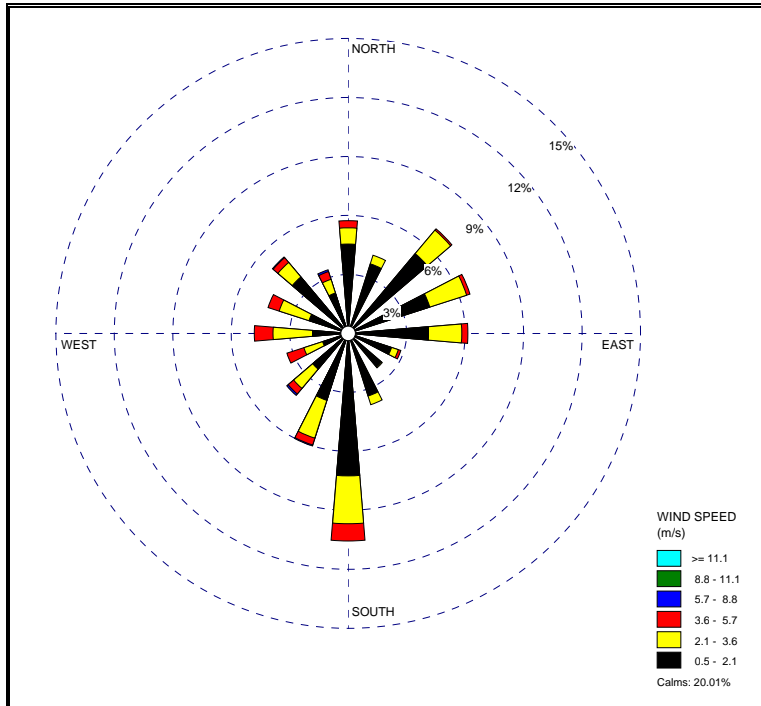


### 3.2.2 Wind Speed and Wind Direction

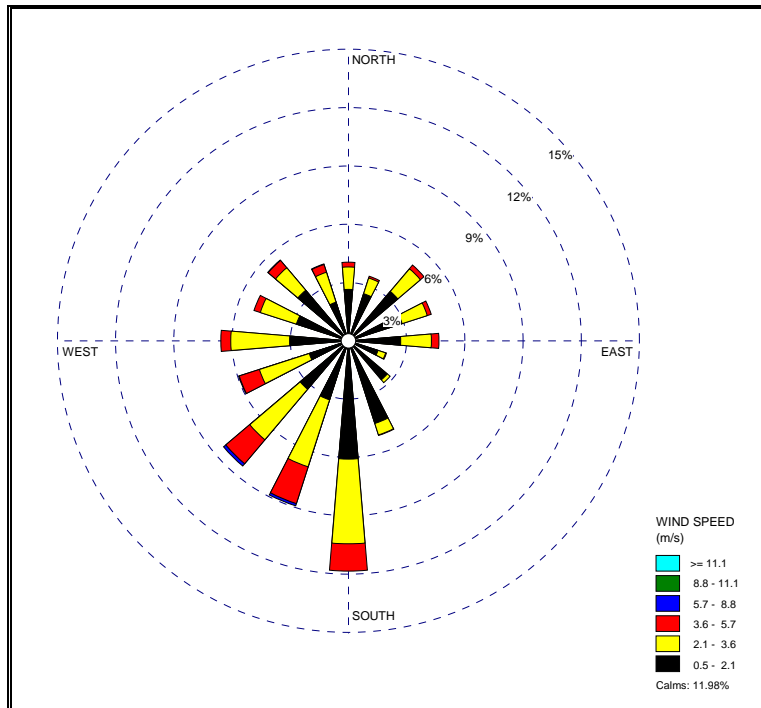
Wind is the most important meteorological parameter related to air contaminant dispersion. The concentrations of pollutants in air decrease with increasing wind speed as a result of dilution. When wind speeds are high, there is enhanced dispersion of gases and particles throughout the atmosphere, due to mechanical turbulence. However, there is also a greater potential for re-suspension of surface dust. When wind speeds are near zero (i.e. during calm conditions), reduced local circulation can lead to high pollutant concentrations near the surface due to very poor dispersion.

Wind roses for the OPHL location and the St. Clair College location are presented in Figure 3.7 and Figure 3.8, respectively. These figures display the predominant directions that the wind blew *from*, as well as the frequency of occurrence of each direction and wind speed category. These figures include a wind rose for the third quarter of sampling (a) and for the sampling period thus far (b).

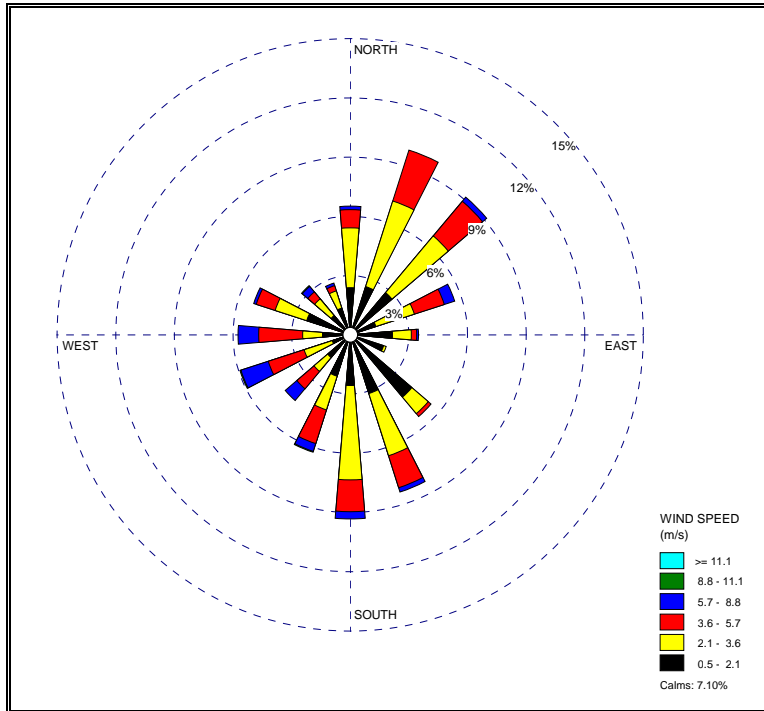
**Figure 3.7a**  
**Ontario Public Health Laboratory Wind Rose for the Quarter**



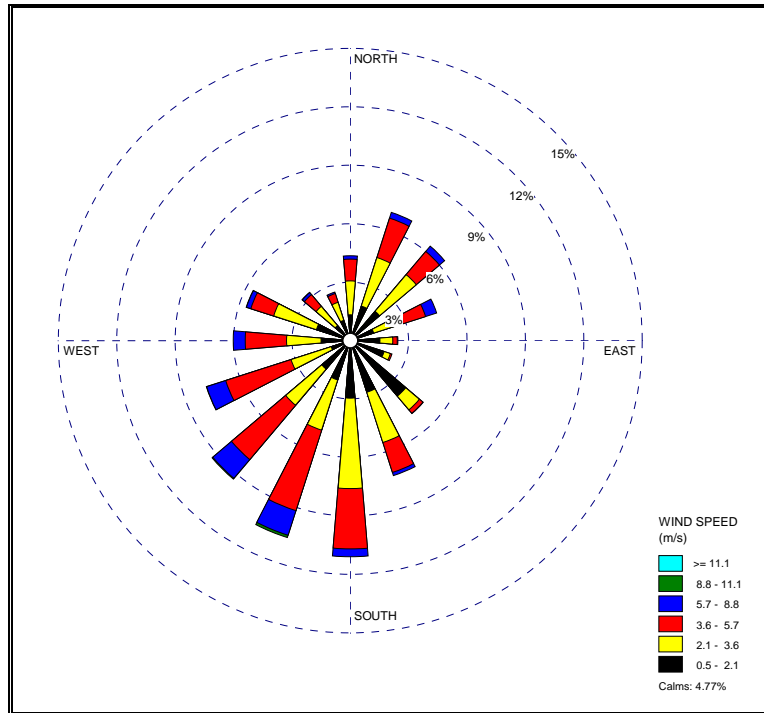
**Figure 3.7b**  
**Ontario Public Health Laboratory Wind Rose for the Period To-Date**



**Figure 3.8a**  
**St. Clair College Wind Rose for the Quarter**



**Figure 3.8b**  
**St. Clair College Wind Rose for the Period To-Date**

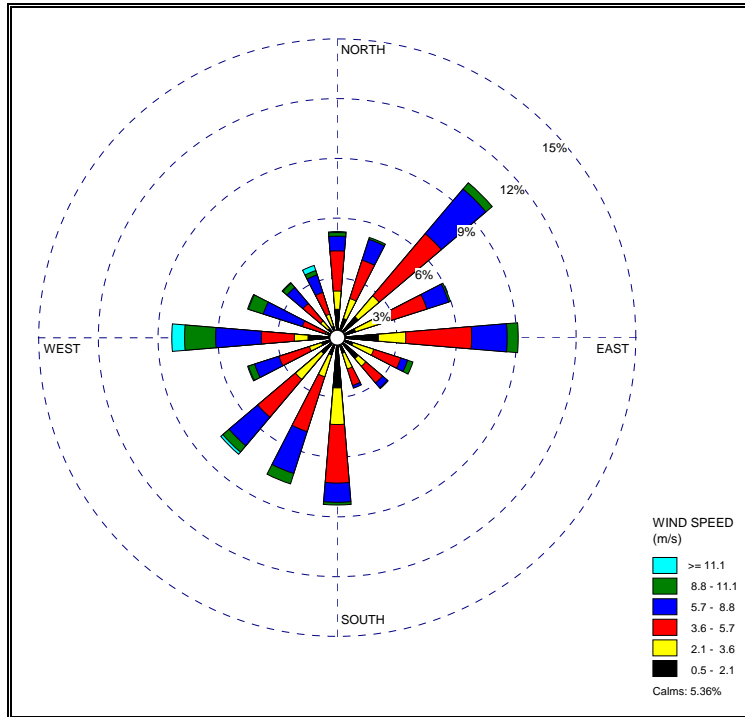




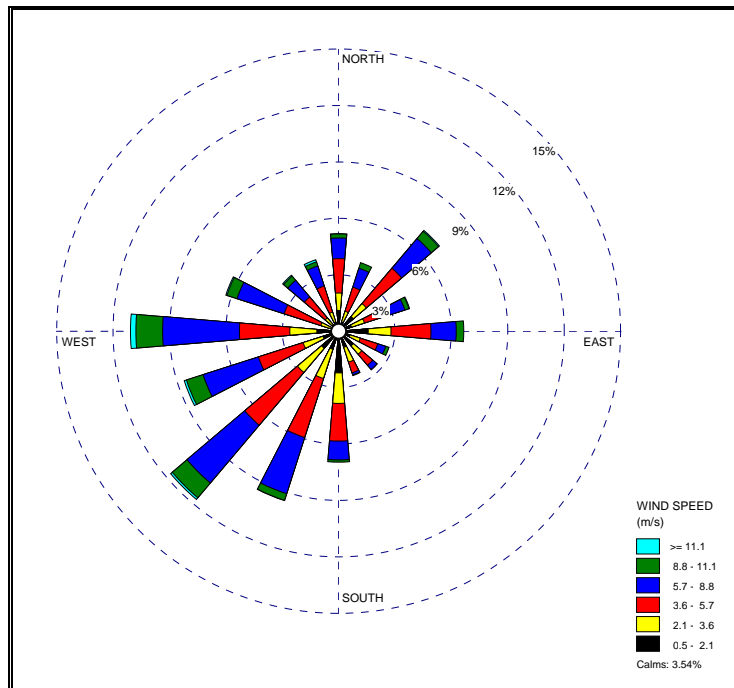
For the first six months of monitoring (the first half), winds were most frequently from the south to south-westerly at both locations. The wind roses for each monitoring station for the third quarter show that a strong southerly contribution remains however there is a much higher frequency of north-easterly winds than there was in the first half. As with the first half of monitoring, winds were generally stronger (i.e., higher speeds) at the St. Clair College location, as it is more exposed than the OPHL location. The objective of the meteorological monitoring was to determine the local wind patterns, in order to help interpret the monitoring results.

Figure 3.9 presents the wind rose data from the Environment Canada meteorological station at the Windsor Airport for purposes of comparison. Figure 3.9 shows that the wind behaviour at the airport is similar to the above wind roses, specifically in the contribution from the north-east. During the first half of sampling, north-easterly winds were very infrequent compared to south-westerly and westerly winds. During the third quarter, north-easterly winds were the most frequent. The winds at the airport are much stronger than detected at the monitoring stations. The wind rose from the airport shows a strong easterly wind component, which is not prevalent at either of the DRIC monitoring stations, while the monitoring stations each have a strong southerly component that is not prevalent at the airport. This comparison illustrates that the wind patterns in the area of the air monitoring stations are influenced by local effects (such as channelling due to the presence of the Huron Church/Highway 3 corridor) and are slightly different than the broader wind patterns of the area.

**Figure 3.9a**  
**Windsor Airport Wind Rose for the Quarter**



**Figure 3.9b**  
**Windsor Airport Wind Rose for the Period To-Date**



### 3.3 TRAFFIC DATA

Information on the quantity and type of vehicle traffic travelling along Huron Church Road in the area of the air monitoring stations was provided to SENES by URS Canada to correlate with the monitoring results. The hourly maximum, minimum, and average traffic counts for the entire quarter are summarized in Table 3.11 for each vehicle type (car, short truck, long truck). The daily maximum, minimum, and average counts appear in Table 3.12. The same information separated by month is included in Table 3.13 and Table 3.14, respectively. Figure 3.10 illustrates the daily totals for cars and trucks over the course of the quarter. Refer to Appendix A4 for a tabular summary of all traffic data used in the study.

**Table 3.11**  
**Hourly Max/Min/Average Traffic Counts for the Quarter and Period**

Vehicle Type	Maximum (#)		Minimum (#)		Average (#)	
	Apr-Jun 2007 (Q3)	Sampling Period to-Date (Q1-Q3)	Apr-Jun 2007 (Q3)	Sampling Period to-Date (Q1-Q3)	Apr-Jun 2007 (Q3)	Sampling Period to-Date (Q1-Q3)
Car	1,713	1,746	0	0	656	656
Short Truck	135	135	0	0	35	32
Long Truck	584	603	0	0	290	286

**Table 3.12**  
**Daily Max/Min/Average Traffic Counts for the Quarter and Period**

Vehicle Type	Maximum (#)		Minimum (#)		Average (#)	
	Apr-Jun 2007 (Q3)	Sampling Period to-Date (Q1-Q3)	Apr-Jun 2007 (Q3)	Sampling Period to-Date (Q1-Q3)	Apr-Jun 2007 (Q3)	Sampling Period to-Date (Q1-Q3)
Car	19,207	21,299	11,499	6,579	15,718	15,720
Short Truck	1,321	1,355	211	79	838	775
Long Truck	9,596	9,924	2,564	698	6,932	6,863

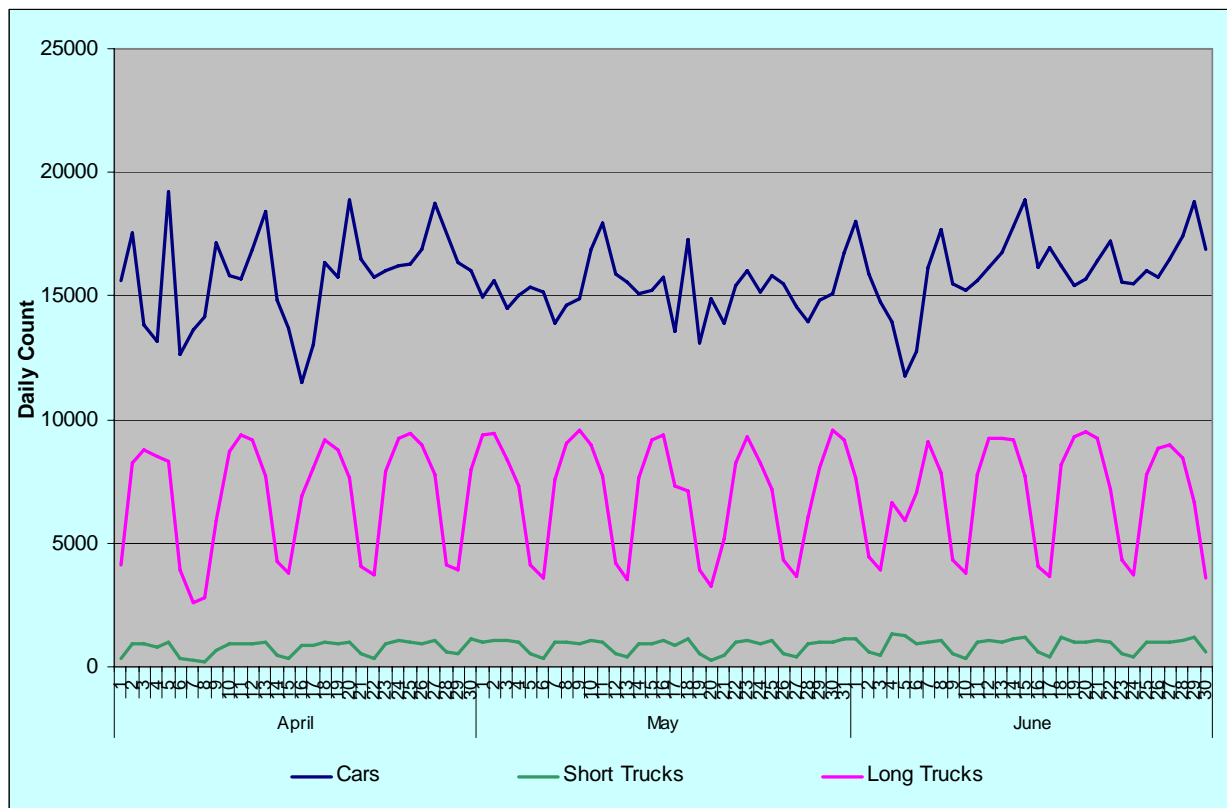
**Table 3.13**  
**Hourly Max/Min/Average Traffic Counts by Month**

Vehicle Type	April 2007			May 2007			June 2007			Sampling Period to-Date (Q1-Q3)		
	Max (#)	Min (#)	Avg (#)	Max (#)	Min (#)	Avg (#)	Max (#)	Min (#)	Avg (#)	Max (#)	Min (#)	Avg (#)
Car	1,562	0	659	1,713	35	638	1,483	41	673	1,746	0	656
Short Truck	99	0	32	108	1	36	135	0	38	135	0	32
Long Truck	584	0	283	549	31	296	550	32	289	603	0	286

**Table 3.14**  
**Daily Max/Min/Average Traffic Counts by Month**

Vehicle Type	April 2007			May 2007			June 2007			Sampling Period to-Date (Q1-Q3)		
	Max (#)	Min (#)	Avg (#)	Max (#)	Min (#)	Avg (#)	Max (#)	Min (#)	Avg (#)	Max (#)	Min (#)	Avg (#)
Car	19,207	11,499	15,811	17,956	13,091	15,242	18,882	11,740	16,115	21,299	6,579	15,720
Short Truck	1,117	211	757	1,160	285	851	1,321	354	906	1,355	79	775
Long Truck	9,454	2,564	6,801	9,596	3,230	7,082	9,515	3,608	6,910	9,924	698	6,863

**Figure 3.10**  
**Daily Traffic Count Totals (April to June, 2007)**



As can be seen in Figure 3.10, there are weekly variations in traffic volumes, but the weekday daily maximum levels are relatively constant. The troughs in the daily total truck traffic data series represent the weekend days, in which less trucks are travelling to and from the border crossing.

### 3.4 DISCUSSION OF RESULTS

The following sections include a discussion of the results for each contaminant presented in Section 3.1.

#### 3.4.1 Nitrogen Oxides

Ambient concentrations of NO<sub>2</sub> were collected over the course of the sampling period as hourly averages. The measured hourly concentrations and calculated daily averages were compared to the MOE 1-hr and 24-hr AAQC. There were no measured exceedances of either the 1-hr AAQC of 200 ppb, or the 24-hr AAQC of 100 ppb for NO<sub>2</sub>. The highest measured hourly average NO<sub>2</sub> concentration during the third quarter was 55 ppb, or 28% of the AAQC. The highest measured daily average NO<sub>2</sub> concentration was 31 ppb, or 31% of the AAQC. Both of these were at the

Ontario Public Health Laboratory location. The highest hourly concentration of NO<sub>2</sub> in the period to-date was measured in the third quarter (55 ppb at the OPHL location). The highest daily average concentration of NO<sub>2</sub> in the period to-date was measured in the second quarter (36 ppb at the OPHL location).

### **3.4.2 PM<sub>2.5</sub>**

In total, there were 91 sampling days during the third quarter of sampling. The ambient concentrations of PM<sub>2.5</sub> at each station were comparable to those measured in the past three years (2003 – 2005) at the two MOE monitoring stations located in west Windsor, and the downtown area, respectively. Ambient concentrations exceeded the 24-hr CWS of 30 µg/m<sup>3</sup> a total of 11 times at the OPHL location, and 12 times at the St. Clair College location during the third quarter. The maximum number of exceedances of the CWS at the MOE stations for any given year during the 2003 – 2005 period was 11 and 12 at the Windsor West and Windsor Downtown stations, respectively. Exceedances of PM<sub>2.5</sub> may be due to any number of local influences, which may include (but may not be limited to):

- Traffic along the Huron Church/Highway 3 corridor;
- Upwind transboundary sources in the United States;
- Local industrial sources; and/or
- Any other local occurrences that may have resulted in the release of fine particulate matter (i.e. fires, construction activities, etc.)

Ambient concentrations of PM<sub>2.5</sub>, when considered over the course of the entire sampling period thus far (i.e., since October 1<sup>st</sup>, 2006), have exceeded the 24-hr CWS of 30 µg/m<sup>3</sup> a total of 29 times at the OPHL location, and 24 times at the St. Clair College location. Since this includes only 9 months of monitoring, not including smog season (May – Sept/Oct), more exceedance days are expected.

As outlined in the introduction to this report, the purpose of this monitoring is to obtain a set of baseline air quality data along the Huron Church/Highway 3 corridor, which will be used in an air dispersion modelling assessment. This model will use the baseline data and associated meteorological data to determine the influence of traffic on local concentrations of fine particulate matter, and the extent that other local and transboundary sources may be contributing.

### **3.4.3 Aldehydes**

There were no measured exceedances of the MOE AAQCs for formaldehyde or acetaldehyde during the sampling period. Concentrations of each were well within their respective criteria at both locations. The maximum concentration of each contaminant as a percentage of their respective MOE AAQCs at the Ontario Public Health Laboratory were 0.24% for acetaldehyde, and 5.5% for formaldehyde. At the St. Clair College location, the maximums were 0.26% for acetaldehyde and 8.3% for formaldehyde.

### **3.4.4 Volatile Organic Compounds**

There were no exceedances of the acrolein guideline limit during the sampling period. As with the aldehydes, the concentrations of each of these contaminants were well within their respective standards. At the Ontario Public Health Laboratory, the concentration of benzene reached a maximum of 3.5% of the guideline limit of 60  $\mu\text{g}/\text{m}^3$ , while the maximum concentration of acrolein was 48% of the guideline limit of 9.6  $\mu\text{g}/\text{m}^3$ . The maximum concentrations of benzene and acrolein as percentages of the guidelines at the St. Clair College location were 3.3% and 35%, respectively.

## **4.0 QUALITY ASSURANCE / QUALITY CONTROL**

### **4.1 VALIDITY OF DATA**

For each of the contaminants being monitored, measures were taken to ensure that the data collected would be valid and representative. These measures included regular calibration of the equipment where applicable, as well as proper usage and handling of sampling media. SENES staff visited the stations approximately every 2 weeks to perform routine maintenance and calibrations.

The NO<sub>x</sub> analysers were calibrated during every visit to the monitoring stations by SENES personnel. Tanks of zero gas (compressed air) and calibration gas (NO) located on-site were used to set the zero and span of the analysers to ensure that the data recorded was accurate. In addition to this, the units automatically check the zero and span daily.

The BAM units are self-calibrating, and therefore no ongoing calibrations measures were necessary. However, the filter tapes must be changed on occasion, as they run out. This was performed twice at each station.

Part of the procedure for collecting samples of aldehydes was to calibrate the pump before and after each sampling period. Also recorded during calibration was the rotometer reading on the pump itself. When the pump was turned on to commence sampling, and turned off at the end of the sampling period, the rotometer readings were compared to the readings during calibration to ensure that the flow rates gathered from calibration were valid to use to calculate the total volume of air sampled.

Another measure taken to ensure valid samples of aldehydes was through sealing of the cartridges and storage of the sampling media in the refrigerator, both before usage and after sampling until ready for shipment. Samples were shipped to the laboratory with an ice-pack, in order to keep the samples at sub-ambient temperature.

In order to ensure validity of the VOC samples, procedures were implemented to ensure that the valve on each canister did not leak, and that the sample was completed before all vacuum pressure was lost (i.e., before registering 0" Hg on the gauge).

### **4.2 OUTLIERS**

Despite making the efforts outlined in Section 4.1 to ensure data quality, there were occasional erroneous readings from the continuous monitors that were removed before processing. The BAM outputs a reading of 999 µg/m<sup>3</sup> when there is an error. These were removed from the data



set. During the first quarter, there were instances in which a repeated number was output for a number of consecutive hours, due to the filter tape getting stuck in place. In one instance this occurred for 19 hours. It is highly unlikely that the hourly ambient concentration would be the same to two decimal places for such a period, and thus the data was removed for 18 of the 19 hours. Early in the second quarter, each of the BAM units experienced a filter tape error, where the roll of filter tape ran out and the unit continued to output data until it was replaced. The errors began on January 5<sup>th</sup> (OPHL) and January 6<sup>th</sup> (SCC), and were rectified during the next site visit on January 17<sup>th</sup>. The units output the same concentration repeatedly until the units were in working order again. These repeated concentrations were removed from the data set. The BAMs did not experience any instrument errors during the third quarter.

The only NO<sub>x</sub> data that was considered to be outlier data was for low concentrations that were recorded as negative values. This indicated that the analyser was in need of re-zeroing, which was part of the regular calibration procedure. Negative values were rare as the units were calibrated and zeroed on a regular basis. The following table summarizes the number of outliers of NO<sub>x</sub> and NO<sub>2</sub> during each quarter of the period thus far.

**Table 4.1**  
**Summary of Outlier Data**

	OPHL		SCC	
	NO <sub>x</sub>	NO <sub>2</sub>	NO <sub>x</sub>	NO <sub>2</sub>
Quarter 1	23	110	45	48
Quarter 2	0	1	0	0
Quarter 3	56	100	2	48

In addition to the outliers shown for the third quarter in Table 4.1, no data was recorded at the OPHL location between June 17<sup>th</sup>, 2007 and June 26<sup>th</sup>, 2007. Storm activity in the area caused the unit to stall. The unit was brought back online on June 26<sup>th</sup>, 2007 during the next site visit. A total of 216 possible hourly readings were not collected as a result of the instrument malfunction.

### 4.3 MOE AUDIT OF MONITORING STATIONS

On February 21<sup>st</sup>, 2007, a Senior Environmental Officer (Air) from the MOE London District Office (Technical Services) visited the two air monitoring stations in order to audit the equipment performance and procedures. The Officer inspected the equipment, and observed the VOC and aldehyde sample set-up, as well as a NO<sub>x</sub> analyser calibration. All sampling and QA/QC procedures were approved in a memorandum forwarded to SENES and MTO on February 26<sup>th</sup>, 2007. No recommendations for improvement were suggested.

## 5.0 FINDINGS TO DATE

Two air monitoring stations were strategically set up on either side of the existing Huron Church/Highway 3 corridor in Windsor, Ontario in order to monitor traffic related airborne contaminants that would be expected in the corridor. The information from this monitoring program will be used to establish current baseline conditions in the area for use in the air modelling portion of the Environmental Assessment associated with the Detroit River International Crossing project. Data on ambient concentrations of nitrogen oxides, fine particulate matter, VOCs, aldehydes, and local meteorology were collected beginning on October 1<sup>st</sup>, 2006; monitoring will continue until the end of September 2007 for VOCs and aldehydes, and has been extended until the end of October 2007 for nitrogen oxides, fine particulate matter and meteorology. This report includes the results of the monitoring program for the third quarter of sampling (from April 1<sup>st</sup>, 2007 to June 30<sup>th</sup>, 2007). The main findings to date are as follows:

- There were no exceedances of the MOE AAQCs (1-hr and 24-hr) for NO<sub>2</sub> at either station during the third quarter of sampling;
- The average NO<sub>x</sub> and NO<sub>2</sub> concentrations at each station decreased slightly in the third quarter compared to the first two quarters;
- There were no measured exceedances of the guideline limits for either of the VOCs (acrolein, benzene) that were included in the monitoring program at any point during the third quarter of sampling;
- There were no exceedances of the MOE AAQCs for either of the aldehydes (acetaldehyde, formaldehyde) that were included in the monitoring program at any point during the third quarter of sampling;
- The proposed Canada Wide Standard (24-hr) for PM<sub>2.5</sub> was exceeded at both stations (11 days at OPHL and 12 days at St. Clair College), bringing the total thus far in the sampling period to 29 exceedance days at OPHL and 24 at St. Clair College. This may be attributed to any number of local or transboundary sources. The results of the air dispersion modelling which is currently underway will clarify the actual impact of traffic on local concentrations;
- The average 24-hr PM<sub>2.5</sub> concentration at each monitoring station for the period thus far remained relatively unchanged since the end of the second quarter;
- Average daily car traffic volumes for the third quarter remained relatively unchanged compared to daily average volumes from the first two quarters (decrease of 0.02%). Average daily short truck and long truck traffic volumes increased in the third quarter compared to daily average volume from the first two quarters. The percentage increase for short trucks and long trucks was approximately 12.9% and 1.5%, respectively.

## **6.0 REFERENCES**

Ontario Ministry of the Environment. *Air Quality in Ontario – 2005 Report*. Queen's Printer, 2006.

Ontario Ministry of the Environment. *Transboundary Air Pollution in Ontario*. Queen's Printer, June 2005.

## **Appendix A1**

### **Record of NO<sub>x</sub> Measurements**

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
	NO <sub>x</sub>	NO <sub>2</sub>	NO <sub>x</sub>	NO <sub>2</sub>
4/1/2007 0:00	3.4	3.4	11.1	7.5
4/1/2007 1:00	3.8	3.8	8.2	5.9
4/1/2007 2:00	3.3	3.3	10.2	7.3
4/1/2007 3:00	3.4	3.4	7.5	6.7
4/1/2007 4:00	5.2	5.0	9.6	8.2
4/1/2007 5:00	7.2	6.8	13.2	9.5
4/1/2007 6:00	8.9	8.6	13.2	10.8
4/1/2007 7:00	8.9	8.9	13.3	11.0
4/1/2007 8:00	11.0	10.2	16.2	13.2
4/1/2007 9:00	21.9	17.6	19.8	15.2
4/1/2007 10:00	30.5	16.6	9.8	8.4
4/1/2007 11:00	21.4	11.2	6.9	5.8
4/1/2007 12:00	15.7	7.6	5.7	4.6
4/1/2007 13:00	15.5	8.7	6.8	5.6
4/1/2007 14:00	14.4	8.5	6.2	5.4
4/1/2007 15:00	13.7	8.6	5.6	5.3
4/1/2007 16:00	16.4	10.6	4.5	4.6
4/1/2007 17:00	16.1	10.1	4.2	4.2
4/1/2007 18:00	19.8	11.5	4.0	4.0
4/1/2007 19:00	16.8	9.1	3.5	3.5
4/1/2007 20:00	21.3	13.7	5.7	5.7
4/1/2007 21:00	15.1	9.8	3.9	3.9
4/1/2007 22:00	18.4	11.5	3.6	3.6
4/1/2007 23:00	14.9	10.5	9.3	9.3
4/2/2007 0:00	16.3	12.2	10.0	10.0
4/2/2007 1:00	6.3	4.7	4.0	4.0
4/2/2007 2:00	3.5	2.5	2.7	2.7
4/2/2007 3:00	6.9	3.8	3.0	3.0
4/2/2007 4:00	5.3	3.4	2.7	2.7
4/2/2007 5:00	10.4	6.0	3.1	3.1
4/2/2007 6:00	10.8	5.6	3.1	3.1
4/2/2007 7:00	13.8	6.7	3.1	3.1
4/2/2007 8:00	24.0	12.1	5.2	5.2
4/2/2007 9:00	24.2	11.5	6.2	6.2
4/2/2007 10:00	18.6	7.3	4.4	4.1
4/2/2007 11:00	15.1	5.7	3.7	3.4
4/2/2007 12:00	19.0	8.3	4.5	4.0
4/2/2007 13:00	17.6	8.1	4.5	4.1
4/2/2007 14:00	17.8	8.0	3.8	3.7
4/2/2007 15:00	12.9	5.9	3.4	3.4
4/2/2007 16:00	16.5	7.4	3.5	3.6
4/2/2007 17:00	15.9	7.4	3.9	4.0
4/2/2007 18:00	17.5	9.4	4.0	4.0
4/2/2007 19:00	24.9	12.7	4.6	4.6
4/2/2007 20:00	23.2	13.8	4.3	4.3
4/2/2007 21:00	46.7	30.5	17.3	14.6

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/2/2007 22:00	66.0	40.7	57.2	40.0
4/2/2007 23:00	65.0	41.6	78.5	43.2
4/3/2007 0:00	61.5	39.8	63.7	36.5
4/3/2007 1:00	24.6	24.0	59.8	33.4
4/3/2007 2:00	24.5	21.1	59.9	32.6
4/3/2007 3:00	13.9	13.8	33.6	20.1
4/3/2007 4:00	8.3	8.3	27.8	16.5
4/3/2007 5:00	10.0	10.0	30.5	15.9
4/3/2007 6:00	5.4	5.4	32.4	17.4
4/3/2007 7:00	5.7	5.7	42.4	18.8
4/3/2007 8:00	7.1	7.1	46.4	23.1
4/3/2007 9:00	10.6	9.4	34.3	16.5
4/3/2007 10:00	4.5	4.1	27.7	13.7
4/3/2007 11:00	3.2	2.6	21.3	11.1
4/3/2007 12:00	2.9	2.4	19.3	10.7
4/3/2007 13:00	4.5	3.5	16.3	9.9
4/3/2007 14:00	<b>outlier removed</b>		31.9	16.5
4/3/2007 15:00	8.1	6.3	<b>outlier removed</b>	<b>outlier removed</b>
4/3/2007 16:00	8.2	6.2	33.7	18.0
4/3/2007 17:00	6.3	5.3	29.6	18.2
4/3/2007 18:00	7.5	6.9	50.0	25.6
4/3/2007 19:00	12.7	12.4	74.5	34.7
4/3/2007 20:00	14.7	14.5	78.8	36.5
4/3/2007 21:00	26.8	25.5	63.1	32.3
4/3/2007 22:00	24.5	23.2	13.3	13.2
4/3/2007 23:00	30.9	22.4	6.5	6.5
4/4/2007 0:00	16.9	14.7	2.6	2.6
4/4/2007 1:00	17.6	12.4	2.9	2.9
4/4/2007 2:00	19.4	12.9	4.2	4.2
4/4/2007 3:00	11.2	6.8	3.4	3.4
4/4/2007 4:00	7.0	3.7	2.2	2.2
4/4/2007 5:00	10.4	5.4	3.1	3.1
4/4/2007 6:00	8.5	3.7	2.4	2.4
4/4/2007 7:00	10.6	3.7	2.3	2.3
4/4/2007 8:00	12.2	3.7	1.9	1.9
4/4/2007 9:00	14.4	4.3	1.5	1.5
4/4/2007 10:00	16.1	4.1	1.4	1.4
4/4/2007 11:00	15.5	3.7	0.9	0.9
4/4/2007 12:00	12.7	1.7	0.5	0.5
4/4/2007 13:00	15.6	2.7	0.6	0.5
4/4/2007 14:00	18.3	3.8	1.6	1.4
4/4/2007 15:00	14.1	2.2	1.1	1.1
4/4/2007 16:00	18.0	3.6	2.1	1.6
4/4/2007 17:00	16.0	4.7	1.5	1.4
4/4/2007 18:00	12.2	2.5	2.0	2.0
4/4/2007 19:00	17.7	5.3	1.6	1.6
4/4/2007 20:00	15.7	3.4	1.6	1.6

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/4/2007 21:00	13.8	4.0	1.8	1.8
4/4/2007 22:00	12.6	4.0	1.6	1.6
4/4/2007 23:00	15.6	5.1	1.8	1.8
4/5/2007 0:00	11.0	4.6	1.6	1.6
4/5/2007 1:00	12.9	7.0	9.2	8.0
4/5/2007 2:00	21.1	16.1	9.9	9.9
4/5/2007 3:00	17.0	12.0	7.3	7.3
4/5/2007 4:00	11.1	7.7	1.8	1.8
4/5/2007 5:00	16.4	9.9	3.6	3.6
4/5/2007 6:00	22.1	14.3	2.3	2.3
4/5/2007 7:00	20.2	11.9	3.6	3.6
4/5/2007 8:00	31.5	17.6	3.9	3.9
4/5/2007 9:00	28.4	14.9	13.4	10.9
4/5/2007 10:00	19.9	7.9	14.7	9.5
4/5/2007 11:00	21.8	8.7	11.4	6.9
4/5/2007 12:00	25.6	10.2	9.1	5.9
4/5/2007 13:00	21.4	8.1	11.0	7.1
4/5/2007 14:00	20.7	8.7	8.8	5.4
4/5/2007 15:00	17.1	7.1	9.4	5.8
4/5/2007 16:00	19.5	7.7	3.9	3.6
4/5/2007 17:00	23.5	10.4	4.1	3.6
4/5/2007 18:00	22.0	11.0	11.6	8.9
4/5/2007 19:00	19.1	9.6	10.0	9.0
4/5/2007 20:00	15.6	7.4	13.8	10.7
4/5/2007 21:00	22.8	12.0	19.2	14.8
4/5/2007 22:00	26.0	15.7	10.1	10.1
4/5/2007 23:00	18.8	10.8	20.7	14.1
4/6/2007 0:00	20.2	12.9	20.8	14.0
4/6/2007 1:00	11.1	7.4	14.8	10.3
4/6/2007 2:00	4.2	1.8	4.9	3.8
4/6/2007 3:00	6.3	2.9	4.5	3.6
4/6/2007 4:00	4.8	2.4	4.2	3.4
4/6/2007 5:00	5.5	3.5	5.7	5.2
4/6/2007 6:00	4.2	2.2	5.1	5.1
4/6/2007 7:00	6.4	2.9	5.4	4.0
4/6/2007 8:00	8.7	3.9	6.3	5.0
4/6/2007 9:00	9.6	4.5	9.0	5.9
4/6/2007 10:00	17.2	7.9	9.8	7.1
4/6/2007 11:00	13.2	5.3	10.8	6.9
4/6/2007 12:00	16.2	6.9	8.6	5.3
4/6/2007 13:00	17.3	7.8	13.3	8.2
4/6/2007 14:00	16.3	7.2	8.4	5.5
4/6/2007 15:00	10.5	4.5	1.6	1.4
4/6/2007 16:00	9.2	3.2	1.0	1.0
4/6/2007 17:00	10.4	4.2	3.0	2.6
4/6/2007 18:00	17.5	8.6	6.5	5.6
4/6/2007 19:00	18.2	9.8	4.1	4.1

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/6/2007 20:00	21.9	13.5	7.5	7.4
4/6/2007 21:00	20.5	13.9	11.6	11.4
4/6/2007 22:00	9.4	5.9	9.6	7.6
4/6/2007 23:00	8.1	4.7	7.4	5.8
4/7/2007 0:00	6.4	3.6	6.8	5.7
4/7/2007 1:00	3.1	1.6	4.3	3.0
4/7/2007 2:00	8.4	5.6	7.0	6.2
4/7/2007 3:00	6.4	4.9	4.9	4.9
4/7/2007 4:00	7.7	5.8	5.4	5.4
4/7/2007 5:00	8.0	6.1	9.2	9.2
4/7/2007 6:00	10.7	7.6	3.6	3.6
4/7/2007 7:00	6.0	3.4	2.6	2.6
4/7/2007 8:00	7.7	3.7	2.7	2.7
4/7/2007 9:00	8.6	3.0	2.2	2.2
4/7/2007 10:00	6.6	1.5	2.0	1.7
4/7/2007 11:00	6.4	1.2	1.1	0.9
4/7/2007 12:00	6.5	0.8	0.4	0.4
4/7/2007 13:00	16.4	5.5	6.1	3.5
4/7/2007 14:00	8.1	1.7	4.7	1.8
4/7/2007 15:00	7.1	0.9	5.6	2.4
4/7/2007 16:00	12.3	4.2	4.5	2.9
4/7/2007 17:00	14.1	5.8	10.7	6.0
4/7/2007 18:00	13.6	4.6	4.7	3.2
4/7/2007 19:00	14.2	6.1	5.8	4.7
4/7/2007 20:00	17.7	9.8	9.7	8.6
4/7/2007 21:00	10.1	5.1	4.5	4.5
4/7/2007 22:00	7.7	3.1	3.2	3.2
4/7/2007 23:00	5.8	2.5	2.7	2.7
4/8/2007 0:00	4.2	1.4	2.7	2.7
4/8/2007 1:00	2.8	1.2	2.5	2.5
4/8/2007 2:00	3.5	1.9	1.5	1.5
4/8/2007 3:00	1.6	0.8	1.9	1.9
4/8/2007 4:00	2.2	1.5	1.9	1.9
4/8/2007 5:00	2.2	1.5	1.9	1.9
4/8/2007 6:00	2.2	0.5	0.9	0.9
4/8/2007 7:00	4.3	2.0	1.5	1.5
4/8/2007 8:00	4.6	2.0	2.7	2.7
4/8/2007 9:00	10.3	6.0	4.5	4.5
4/8/2007 10:00	6.6	2.6	3.4	2.5
4/8/2007 11:00	6.6	2.7	5.1	3.1
4/8/2007 12:00	13.3	5.8	5.2	4.1
4/8/2007 13:00	15.3	6.6	5.9	3.9
4/8/2007 14:00	14.5	6.5	4.1	3.0
4/8/2007 15:00	12.1	5.3	7.5	5.5
4/8/2007 16:00	15.0	6.6	8.9	7.0
4/8/2007 17:00	14.2	7.7	10.8	8.5
4/8/2007 18:00	18.7	9.8	13.6	9.3



## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/8/2007 19:00	17.7	11.0	17.3	11.3
4/8/2007 20:00	20.1	14.1	25.9	16.4
4/8/2007 21:00	8.6	8.6	35.1	21.4
4/8/2007 22:00	18.9	13.6	35.7	24.1
4/8/2007 23:00	35.8	18.3	7.9	7.9
4/9/2007 0:00	20.0	12.5	9.6	8.6
4/9/2007 1:00	9.6	4.9	4.1	4.1
4/9/2007 2:00	9.2	4.3	1.3	1.3
4/9/2007 3:00	9.2	5.1	1.2	1.2
4/9/2007 4:00	16.2	10.1	4.5	4.5
4/9/2007 5:00	23.3	12.8	3.1	3.1
4/9/2007 6:00	14.7	10.1	8.4	7.1
4/9/2007 7:00	21.4	13.9	17.9	12.6
4/9/2007 8:00	33.6	19.3	25.9	17.6
4/9/2007 9:00	30.7	16.2	21.8	12.5
4/9/2007 10:00	20.7	11.3	25.5	13.3
4/9/2007 11:00	25.7	12.8	24.6	13.3
4/9/2007 12:00	31.4	14.7	17.9	11.1
4/9/2007 13:00	19.6	7.7	6.8	5.2
4/9/2007 14:00	19.8	7.4	3.8	3.1
4/9/2007 15:00	12.3	5.3	6.2	4.4
4/9/2007 16:00	22.5	9.3	4.3	3.9
4/9/2007 17:00	21.0	8.6	4.8	4.5
4/9/2007 18:00	24.5	12.3	4.6	4.5
4/9/2007 19:00	29.1	13.0	5.2	5.1
4/9/2007 20:00	31.3	16.2	6.5	6.5
4/9/2007 21:00	32.4	16.7	5.8	5.8
4/9/2007 22:00	30.1	15.8	5.6	5.6
4/9/2007 23:00	40.1	19.2	3.7	3.7
4/10/2007 0:00	31.5	15.7	2.3	2.3
4/10/2007 1:00	31.9	16.8	2.5	2.5
4/10/2007 2:00	35.2	18.3	4.3	4.3
4/10/2007 3:00	29.1	18.3	7.4	7.4
4/10/2007 4:00	58.2	29.9	25.0	21.0
4/10/2007 5:00	63.2	30.0	18.6	17.6
4/10/2007 6:00	95.2	30.0	24.5	22.0
4/10/2007 7:00	108.6	35.3	96.2	34.6
4/10/2007 8:00	101.7	34.7	89.3	34.2
4/10/2007 9:00	93.5	32.6	76.9	31.3
4/10/2007 10:00	48.8	23.6	59.1	25.5
4/10/2007 11:00	36.9	19.8	40.4	21.2
4/10/2007 12:00	25.1	14.0	30.1	17.0
4/10/2007 13:00	24.0	13.5	30.8	15.9
4/10/2007 14:00	22.9	12.5	13.2	10.1
4/10/2007 15:00	18.7	12.0	29.9	17.2
4/10/2007 16:00	27.1	14.4	11.2	8.6
4/10/2007 17:00	23.6	13.7	5.6	5.5

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/10/2007 18:00	5.9	4.6	5.7	5.5
4/10/2007 19:00	15.8	10.6	4.4	4.4
4/10/2007 20:00	9.9	8.0	3.6	3.6
4/10/2007 21:00	12.2	12.0	12.8	9.8
4/10/2007 22:00	15.7	15.5	25.1	16.4
4/10/2007 23:00	8.2	8.2	84.2	38.8
4/11/2007 0:00	16.0	16.0	58.3	31.8
4/11/2007 1:00	14.7	14.7	34.9	20.0
4/11/2007 2:00	3.4	3.4	22.7	13.3
4/11/2007 3:00	2.0	2.0	14.9	7.4
4/11/2007 4:00	1.3	1.3	11.3	5.4
4/11/2007 5:00	1.2	1.2	19.7	9.6
4/11/2007 6:00	1.9	1.9	24.8	13.8
4/11/2007 7:00	2.1	2.1	20.4	8.1
4/11/2007 8:00	1.2	1.2	19.7	7.6
4/11/2007 9:00	2.1	2.1	27.0	10.9
4/11/2007 10:00	3.2	3.0	28.8	12.3
4/11/2007 11:00	6.0	4.8	34.6	12.4
4/11/2007 12:00	4.0	3.3	34.1	13.9
4/11/2007 13:00	3.9	3.3	24.5	9.1
4/11/2007 14:00	6.0	5.2	28.5	12.5
4/11/2007 15:00	7.8	6.9	34.1	16.2
4/11/2007 16:00	5.1	4.4	30.9	12.2
4/11/2007 17:00	4.6	4.4	32.8	14.8
4/11/2007 18:00	4.7	4.7	33.6	14.2
4/11/2007 19:00	4.8	4.8	30.7	14.4
4/11/2007 20:00	5.8	5.8	29.2	15.9
4/11/2007 21:00	7.1	7.1	24.7	13.6
4/11/2007 22:00	5.5	5.5	18.1	9.8
4/11/2007 23:00	5.7	5.7	18.1	8.9
4/12/2007 0:00	4.5	4.5	22.0	11.9
4/12/2007 1:00	3.2	3.2	25.4	16.2
4/12/2007 2:00	10.1	7.0	4.9	4.9
4/12/2007 3:00	14.1	9.5	7.5	7.5
4/12/2007 4:00	14.1	9.4	3.6	3.6
4/12/2007 5:00	13.6	6.9	3.5	3.5
4/12/2007 6:00	17.3	8.2	3.1	3.1
4/12/2007 7:00	17.4	8.2	3.4	3.4
4/12/2007 8:00	28.7	13.1	5.1	5.1
4/12/2007 9:00	29.0	12.7	4.8	4.8
4/12/2007 10:00	23.0	9.1	5.1	5.1
4/12/2007 11:00	20.8	7.4	3.6	3.6
4/12/2007 12:00	25.0	10.1	4.6	4.6
4/12/2007 13:00	24.4	9.0	3.5	3.5
4/12/2007 14:00	22.4	7.2	3.7	3.6
4/12/2007 15:00	23.7	8.2	5.1	4.5
4/12/2007 16:00	24.8	8.6	5.0	5.0

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/12/2007 17:00	20.5	9.2	4.8	4.8
4/12/2007 18:00	16.6	6.9	4.5	4.5
4/12/2007 19:00	22.2	8.8	3.1	3.1
4/12/2007 20:00	24.6	10.2	3.8	3.8
4/12/2007 21:00	17.0	7.1	2.9	2.9
4/12/2007 22:00	13.5	5.6	2.5	2.5
4/12/2007 23:00	12.5	4.4	2.7	2.7
4/13/2007 0:00	13.3	6.1	2.6	2.6
4/13/2007 1:00	9.5	4.9	2.4	2.4
4/13/2007 2:00	8.2	3.3	1.9	1.9
4/13/2007 3:00	6.5	2.7	2.1	2.1
4/13/2007 4:00	5.0	1.7	1.5	1.5
4/13/2007 5:00	10.0	4.9	2.5	2.5
4/13/2007 6:00	11.3	5.6	2.3	2.3
4/13/2007 7:00	21.1	10.0	3.9	3.9
4/13/2007 8:00	23.7	10.5	7.7	7.7
4/13/2007 9:00	19.2	8.1	7.0	6.0
4/13/2007 10:00	26.9	12.5	10.1	6.8
4/13/2007 11:00	24.7	11.0	14.4	8.9
4/13/2007 12:00	14.3	5.5	12.9	7.1
4/13/2007 13:00	13.5	4.9	10.6	5.9
4/13/2007 14:00	15.1	5.7	6.4	4.4
4/13/2007 15:00	14.9	6.8	8.8	5.9
4/13/2007 16:00	15.9	7.8	7.4	5.4
4/13/2007 17:00	16.4	8.3	9.7	7.0
4/13/2007 18:00	13.5	6.4	10.9	8.0
4/13/2007 19:00	14.3	8.3	11.1	8.8
4/13/2007 20:00	24.4	15.5	20.9	16.2
4/13/2007 21:00	38.3	27.3	40.2	29.0
4/13/2007 22:00	58.6	38.0	56.5	38.3
4/13/2007 23:00	49.7	34.6	57.1	37.6
4/14/2007 0:00	69.1	42.4	86.0	43.5
4/14/2007 1:00	58.9	43.2	125.1	48.9
4/14/2007 2:00	152.4	50.3	84.3	46.6
4/14/2007 3:00	128.0	43.6	112.3	45.6
4/14/2007 4:00	72.9	39.4	117.2	42.8
4/14/2007 5:00	165.6	43.7	132.6	40.7
4/14/2007 6:00	168.4	41.3	162.3	40.7
4/14/2007 7:00	85.2	37.1	118.3	42.5
4/14/2007 8:00	181.7	41.9	100.4	39.5
4/14/2007 9:00	116.9	33.7	73.3	38.7
4/14/2007 10:00	11.2	9.8	33.7	17.3
4/14/2007 11:00	6.0	5.1	28.2	13.0
4/14/2007 12:00	3.5	2.8	24.5	12.0
4/14/2007 13:00	1.0	0.7	23.7	11.4
4/14/2007 14:00	2.4	1.7	26.8	11.7
4/14/2007 15:00	5.3	4.0	21.4	10.5

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/14/2007 16:00	6.8	5.9	23.2	12.9
4/14/2007 17:00	8.2	7.4	27.5	15.0
4/14/2007 18:00	11.5	10.8	36.2	19.9
4/14/2007 19:00	7.7	7.7	19.7	11.8
4/14/2007 20:00	8.2	8.2	19.8	13.3
4/14/2007 21:00	7.7	7.7	18.3	12.1
4/14/2007 22:00	9.5	9.5	21.5	14.7
4/14/2007 23:00	10.4	10.4	18.0	12.7
4/15/2007 0:00	7.5	7.5	14.6	10.9
4/15/2007 1:00	6.4	6.4	13.3	9.6
4/15/2007 2:00	3.8	3.8	8.7	6.5
4/15/2007 3:00	3.7	3.7	6.3	6.0
4/15/2007 4:00	3.2	3.2	8.5	7.8
4/15/2007 5:00	3.3	3.3	7.8	6.9
4/15/2007 6:00	3.4	3.4	8.5	7.5
4/15/2007 7:00	3.0	3.0	11.8	9.2
4/15/2007 8:00	3.7	3.3	11.4	8.3
4/15/2007 9:00	3.6	2.8	13.9	8.7
4/15/2007 10:00	2.2	1.0	11.2	5.3
4/15/2007 11:00	outlier removed	outlier removed	7.4	3.5
4/15/2007 12:00	outlier removed	outlier removed	8.0	2.9
4/15/2007 13:00	outlier removed	outlier removed	8.1	2.9
4/15/2007 14:00	0.0	outlier removed	7.1	2.9
4/15/2007 15:00	0.0	outlier removed	7.2	3.3
4/15/2007 16:00	0.0	outlier removed	8.8	4.1
4/15/2007 17:00	outlier removed	outlier removed	10.8	4.8
4/15/2007 18:00	0.0	outlier removed	9.5	4.5
4/15/2007 19:00	outlier removed	outlier removed	9.4	4.8
4/15/2007 20:00	0.0	outlier removed	12.4	6.1
4/15/2007 21:00	0.0	outlier removed	10.8	6.3
4/15/2007 22:00	0.7	0.7	12.6	7.5
4/15/2007 23:00	3.3	3.3	11.1	6.7
4/16/2007 0:00	2.0	2.0	7.6	4.8
4/16/2007 1:00	3.6	3.6	9.8	6.5
4/16/2007 2:00	5.1	4.8	10.5	7.8
4/16/2007 3:00	9.6	8.4	7.8	6.6
4/16/2007 4:00	11.4	8.7	11.2	8.5
4/16/2007 5:00	10.7	9.2	10.2	7.1
4/16/2007 6:00	12.7	10.4	10.9	7.7
4/16/2007 7:00	17.1	12.1	17.7	12.0
4/16/2007 8:00	23.6	15.8	20.9	14.4
4/16/2007 9:00	24.3	14.0	24.7	13.4
4/16/2007 10:00	22.7	11.3	20.8	11.2
4/16/2007 11:00	17.2	8.1	17.3	9.5
4/16/2007 12:00	13.8	5.9	15.4	7.4
4/16/2007 13:00	10.4	4.8	14.8	6.6
4/16/2007 14:00	5.6	2.5	12.3	5.1

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/16/2007 15:00	6.9	3.2	13.8	5.9
4/16/2007 16:00	6.2	2.7	13.5	5.7
4/16/2007 17:00	14.0	7.5	15.7	6.4
4/16/2007 18:00	4.1	2.1	17.8	7.6
4/16/2007 19:00	5.5	3.7	15.9	7.6
4/16/2007 20:00	4.1	3.0	15.4	7.5
4/16/2007 21:00	0.0	0.0	16.8	6.9
4/16/2007 22:00	3.3	3.3	21.5	10.3
4/16/2007 23:00	1.0	1.0	16.1	8.4
4/17/2007 0:00	33.2	23.0	31.2	23.3
4/17/2007 1:00	26.3	18.1	32.7	24.0
4/17/2007 2:00	17.1	13.8	20.6	15.6
4/17/2007 3:00	28.4	20.8	34.9	23.7
4/17/2007 4:00	19.8	17.5	22.1	14.8
4/17/2007 5:00	13.8	11.3	16.5	11.5
4/17/2007 6:00	44.9	31.6	36.6	23.6
4/17/2007 7:00	88.4	39.9	80.3	41.2
4/17/2007 8:00	120.0	42.7	95.7	42.2
4/17/2007 9:00	74.7	34.3	75.6	34.8
4/17/2007 10:00	32.4	18.1	46.1	23.0
4/17/2007 11:00	24.8	13.3	33.8	17.4
4/17/2007 12:00	19.7	10.3	26.1	13.8
4/17/2007 13:00	<b>outlier removed</b>	<b>outlier removed</b>	24.2	10.5
4/17/2007 14:00	5.0	3.6	<b>outlier removed</b>	<b>outlier removed</b>
4/17/2007 15:00	8.6	5.8	28.1	14.3
4/17/2007 16:00	10.6	7.4	32.3	16.8
4/17/2007 17:00	17.3	10.9	26.6	14.1
4/17/2007 18:00	4.9	4.3	43.8	20.1
4/17/2007 19:00	9.3	8.7	48.1	23.9
4/17/2007 20:00	8.9	8.7	35.7	17.1
4/17/2007 21:00	6.3	6.3	34.0	15.1
4/17/2007 22:00	3.2	3.2	24.3	10.4
4/17/2007 23:00	3.2	3.2	23.9	12.8
4/18/2007 0:00	4.2	4.2	23.9	13.3
4/18/2007 1:00	3.6	3.6	26.2	14.9
4/18/2007 2:00	7.1	7.1	15.0	9.8
4/18/2007 3:00	8.7	8.7	19.4	12.2
4/18/2007 4:00	10.4	10.4	20.7	14.7
4/18/2007 5:00	9.8	9.8	27.5	17.1
4/18/2007 6:00	9.9	9.9	29.4	18.8
4/18/2007 7:00	8.3	8.3	35.1	18.1
4/18/2007 8:00	10.8	10.6	47.4	21.7
4/18/2007 9:00	16.3	14.5	53.0	22.3
4/18/2007 10:00	10.0	8.6	51.4	20.9
4/18/2007 11:00	10.3	8.2	49.5	16.2
4/18/2007 12:00	12.3	8.5	45.8	17.1
4/18/2007 13:00	7.1	4.9	41.4	17.4

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/18/2007 14:00	3.7	3.1	41.8	18.4
4/18/2007 15:00	3.9	3.1	37.0	17.3
4/18/2007 16:00	5.1	3.9	41.4	13.0
4/18/2007 17:00	3.7	3.3	43.0	16.2
4/18/2007 18:00	3.3	3.1	41.2	17.2
4/18/2007 19:00	3.9	3.9	44.1	16.7
4/18/2007 20:00	5.7	5.7	42.7	15.7
4/18/2007 21:00	7.0	6.8	60.1	21.8
4/18/2007 22:00	11.1	11.1	51.0	20.8
4/18/2007 23:00	13.4	13.4	39.8	18.5
4/19/2007 0:00	13.6	13.6	30.8	18.9
4/19/2007 1:00	7.6	7.6	26.0	13.9
4/19/2007 2:00	7.4	7.2	25.0	13.8
4/19/2007 3:00	8.5	8.5	22.9	13.0
4/19/2007 4:00	10.5	10.5	22.6	13.9
4/19/2007 5:00	12.0	12.1	31.2	19.7
4/19/2007 6:00	13.3	13.2	34.7	20.8
4/19/2007 7:00	14.1	14.1	38.8	20.8
4/19/2007 8:00	18.1	16.4	42.9	21.2
4/19/2007 9:00	13.7	10.8	39.8	17.3
4/19/2007 10:00	12.1	8.7	38.6	15.2
4/19/2007 11:00	8.4	6.0	37.1	13.9
4/19/2007 12:00	5.4	4.0	35.8	13.1
4/19/2007 13:00	3.2	2.5	35.5	15.0
4/19/2007 14:00	5.5	4.1	31.5	14.5
4/19/2007 15:00	3.9	3.2	33.4	15.1
4/19/2007 16:00	4.1	3.4	30.8	14.6
4/19/2007 17:00	3.7	3.0	37.0	14.9
4/19/2007 18:00	4.6	3.8	34.2	15.1
4/19/2007 19:00	9.1	7.8	41.3	19.4
4/19/2007 20:00	7.6	7.1	43.6	21.8
4/19/2007 21:00	9.3	9.1	59.8	33.3
4/19/2007 22:00	9.8	9.8	57.9	31.2
4/19/2007 23:00	6.1	6.1	40.2	20.9
4/20/2007 0:00	31.6	17.8	67.5	33.9
4/20/2007 1:00	56.5	28.2	92.6	42.6
4/20/2007 2:00	15.9	15.8	52.5	30.9
4/20/2007 3:00	23.8	20.7	44.2	27.5
4/20/2007 4:00	13.8	13.8	24.2	16.8
4/20/2007 5:00	11.9	11.8	30.7	19.8
4/20/2007 6:00	53.9	24.3	44.7	27.6
4/20/2007 7:00	91.8	37.1	110.2	40.6
4/20/2007 8:00	77.1	35.8	87.7	39.5
4/20/2007 9:00	61.6	34.9	80.7	36.7
4/20/2007 10:00	47.9	28.2	82.6	34.4
4/20/2007 11:00	42.8	25.4	64.0	31.1
4/20/2007 12:00	42.4	25.8	44.8	24.4

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/20/2007 13:00	11.0	8.2	35.6	17.4
4/20/2007 14:00	5.6	4.4	28.3	14.3
4/20/2007 15:00	3.0	2.5	28.1	11.4
4/20/2007 16:00	3.2	2.8	23.1	14.6
4/20/2007 17:00	2.6	2.6	29.6	16.1
4/20/2007 18:00	3.0	2.8	30.1	15.6
4/20/2007 19:00	3.3	3.0	32.1	18.0
4/20/2007 20:00	7.1	6.7	38.1	20.5
4/20/2007 21:00	31.5	26.0	20.6	14.6
4/20/2007 22:00	44.0	37.4	13.8	13.8
4/20/2007 23:00	42.8	37.7	129.5	47.5
4/21/2007 0:00	61.7	45.8	119.5	52.3
4/21/2007 1:00	121.8	52.3	183.5	53.4
4/21/2007 2:00	154.7	52.3	239.4	54.6
4/21/2007 3:00	138.5	51.3	152.7	45.1
4/21/2007 4:00	150.7	49.6	177.5	44.0
4/21/2007 5:00	135.9	43.6	189.7	40.8
4/21/2007 6:00	147.6	44.1	215.5	43.7
4/21/2007 7:00	101.0	42.2	176.6	43.5
4/21/2007 8:00	97.8	35.6	192.4	41.9
4/21/2007 9:00	128.8	40.1	161.5	45.5
4/21/2007 10:00	59.4	36.8	70.4	38.4
4/21/2007 11:00	46.8	31.7	52.6	32.7
4/21/2007 12:00	42.1	29.1	41.5	29.7
4/21/2007 13:00	26.4	18.3	19.0	15.5
4/21/2007 14:00	17.8	13.3	12.6	11.0
4/21/2007 15:00	17.2	12.1	6.7	6.5
4/21/2007 16:00	10.9	7.9	4.5	4.5
4/21/2007 17:00	12.9	8.5	4.4	4.4
4/21/2007 18:00	17.2	12.8	8.9	8.4
4/21/2007 19:00	23.3	17.8	8.9	8.6
4/21/2007 20:00	20.7	17.2	2.9	2.9
4/21/2007 21:00	17.5	16.1	4.5	4.5
4/21/2007 22:00	27.8	25.2	4.6	4.6
4/21/2007 23:00	38.3	32.1	4.0	4.0
4/22/2007 0:00	27.0	23.2	4.5	4.5
4/22/2007 1:00	38.3	32.9	9.4	9.4
4/22/2007 2:00	32.1	27.5	6.3	6.3
4/22/2007 3:00	19.1	18.0	6.7	6.7
4/22/2007 4:00	34.3	24.9	6.5	6.5
4/22/2007 5:00	26.8	23.1	7.9	7.9
4/22/2007 6:00	14.7	13.7	5.1	5.1
4/22/2007 7:00	21.0	19.0	5.7	5.7
4/22/2007 8:00	16.0	13.9	32.3	18.2
4/22/2007 9:00	23.8	15.9	6.8	6.4
4/22/2007 10:00	19.6	12.9	9.4	8.2
4/22/2007 11:00	21.4	15.0	14.6	12.1

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/22/2007 12:00	20.5	13.4	11.9	10.3
4/22/2007 13:00	20.2	13.9	9.8	9.0
4/22/2007 14:00	17.4	12.1	5.9	6.1
4/22/2007 15:00	15.7	11.6	8.0	7.9
4/22/2007 16:00	19.2	13.9	8.7	8.6
4/22/2007 17:00	14.2	10.5	3.7	3.7
4/22/2007 18:00	16.3	11.6	2.9	2.9
4/22/2007 19:00	17.6	14.4	2.9	2.9
4/22/2007 20:00	27.0	22.6	3.1	3.1
4/22/2007 21:00	34.1	30.8	4.1	4.1
4/22/2007 22:00	26.1	22.7	4.3	4.3
4/22/2007 23:00	35.9	31.7	3.5	3.5
4/23/2007 0:00	25.3	20.8	4.5	4.5
4/23/2007 1:00	16.9	14.4	5.3	5.3
4/23/2007 2:00	9.2	7.9	5.1	5.1
4/23/2007 3:00	11.0	9.4	4.3	4.3
4/23/2007 4:00	15.3	13.1	5.7	5.7
4/23/2007 5:00	20.5	17.2	6.1	6.1
4/23/2007 6:00	22.1	16.2	6.0	6.0
4/23/2007 7:00	24.7	14.9	5.0	5.0
4/23/2007 8:00	21.4	12.7	5.1	5.1
4/23/2007 9:00	22.2	12.9	5.2	5.2
4/23/2007 10:00	21.2	12.6	9.4	8.7
4/23/2007 11:00	16.2	8.7	6.6	6.4
4/23/2007 12:00	11.7	6.8	3.4	3.4
4/23/2007 13:00	12.6	6.0	3.2	3.2
4/23/2007 14:00	12.3	6.4	3.2	3.2
4/23/2007 15:00	13.6	7.1	3.2	3.2
4/23/2007 16:00	14.5	8.5	3.4	3.4
4/23/2007 17:00	15.4	9.8	3.7	3.7
4/23/2007 18:00	16.3	10.6	4.1	4.1
4/23/2007 19:00	19.1	12.0	4.3	4.3
4/23/2007 20:00	28.5	19.6	12.2	12.1
4/23/2007 21:00	22.7	16.8	22.0	19.0
4/23/2007 22:00	26.7	19.2	24.4	20.0
4/23/2007 23:00	21.1	17.7	21.9	15.1
4/24/2007 0:00	5.9	5.6	21.2	12.6
4/24/2007 1:00	7.2	6.8	17.4	11.4
4/24/2007 2:00	3.8	3.8	19.5	13.0
4/24/2007 3:00	5.3	5.3	13.3	8.7
4/24/2007 4:00	6.5	6.5	17.5	10.9
4/24/2007 5:00	15.7	9.2	43.7	23.7
4/24/2007 6:00	19.2	11.9	57.8	29.9
4/24/2007 7:00	9.8	9.5	83.0	29.0
4/24/2007 8:00	96.3	26.9	83.3	25.1
4/24/2007 9:00	27.8	17.4	42.2	22.4
4/24/2007 10:00	12.8	7.6	15.0	10.0



# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/24/2007 11:00	9.4	6.3	16.4	9.6
4/24/2007 12:00	23.1	12.4	9.0	6.0
4/24/2007 13:00	9.5	5.8	3.5	3.6
4/24/2007 14:00	25.1	14.1	23.0	13.8
4/24/2007 15:00	32.2	20.1	47.4	26.3
4/24/2007 16:00	20.8	15.0	34.4	21.1
4/24/2007 17:00	15.9	10.5	11.7	9.1
4/24/2007 18:00	20.2	11.1	3.3	3.3
4/24/2007 19:00	25.1	14.2	3.1	3.1
4/24/2007 20:00	28.2	14.6	2.8	2.8
4/24/2007 21:00	9.9	8.8	3.2	3.2
4/24/2007 22:00	12.0	11.7	3.5	3.5
4/24/2007 23:00	14.2	13.9	3.2	3.2
4/25/2007 0:00	33.7	20.0	3.5	3.5
4/25/2007 1:00	17.5	14.7	46.5	26.3
4/25/2007 2:00	5.3	5.1	35.7	23.0
4/25/2007 3:00	7.4	7.3	31.3	19.6
4/25/2007 4:00	8.4	8.3	16.7	11.0
4/25/2007 5:00	7.2	7.2	17.0	9.4
4/25/2007 6:00	6.8	6.4	22.2	11.2
4/25/2007 7:00	12.9	12.4	35.0	19.1
4/25/2007 8:00	7.4	7.2	36.7	14.8
4/25/2007 9:00	5.0	4.7	33.9	14.7
4/25/2007 10:00	7.4	6.8	41.0	15.4
4/25/2007 11:00	6.6	6.1	31.8	12.0
4/25/2007 12:00	4.1	3.8	33.2	12.1
4/25/2007 13:00	4.7	4.1	29.1	11.7
4/25/2007 14:00	4.4	4.1	29.1	11.9
4/25/2007 15:00	4.5	4.1	34.8	16.3
4/25/2007 16:00	3.3	3.0	43.8	16.5
4/25/2007 17:00	3.3	3.1	43.6	17.8
4/25/2007 18:00	4.0	3.6	44.5	17.8
4/25/2007 19:00	3.0	3.0	33.1	17.1
4/25/2007 20:00	5.6	5.5	39.0	22.5
4/25/2007 21:00	12.1	11.6	46.7	25.7
4/25/2007 22:00	9.9	9.9	47.8	22.8
4/25/2007 23:00	5.3	5.2	31.9	16.8
4/26/2007 0:00	4.5	4.5	25.9	13.5
4/26/2007 1:00	3.9	3.9	21.7	12.9
4/26/2007 2:00	4.0	3.9	16.1	9.4
4/26/2007 3:00	2.8	2.6	16.1	8.7
4/26/2007 4:00	2.4	2.4	13.2	7.2
4/26/2007 5:00	2.7	2.7	16.0	8.9
4/26/2007 6:00	2.9	2.7	15.8	7.8
4/26/2007 7:00	3.4	3.4	22.3	10.3
4/26/2007 8:00	4.9	4.8	29.3	14.9
4/26/2007 9:00	5.3	5.0	30.3	13.7

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/26/2007 10:00	4.4	4.0	28.6	13.0
4/26/2007 11:00	6.2	5.8	34.2	18.2
4/26/2007 12:00	5.7	5.1	33.7	15.7
4/26/2007 13:00	6.9	5.5	33.0	14.6
4/26/2007 14:00	8.3	6.9	29.5	13.0
4/26/2007 15:00	8.3	6.9	29.8	16.4
4/26/2007 16:00	12.4	8.9	27.2	15.2
4/26/2007 17:00	15.0	11.8	33.0	18.7
4/26/2007 18:00	14.1	11.3	38.9	17.0
4/26/2007 19:00	12.5	11.9	44.6	21.3
4/26/2007 20:00	11.5	11.3	44.0	21.3
4/26/2007 21:00	14.3	12.6	28.2	16.1
4/26/2007 22:00	18.4	15.8	49.4	23.5
4/26/2007 23:00	13.6	13.4	57.4	28.4
4/27/2007 0:00	21.4	16.3	32.7	21.1
4/27/2007 1:00	38.8	25.4	7.2	7.2
4/27/2007 2:00	68.4	27.3	35.6	21.7
4/27/2007 3:00	21.1	13.0	4.2	4.2
4/27/2007 4:00	24.3	16.2	12.6	12.6
4/27/2007 5:00	30.1	18.2	10.9	10.9
4/27/2007 6:00	30.6	18.2	10.5	10.5
4/27/2007 7:00	39.9	20.9	11.6	11.6
4/27/2007 8:00	40.4	21.6	10.3	10.3
4/27/2007 9:00	41.3	23.6	7.7	7.7
4/27/2007 10:00	35.6	18.3	6.9	6.9
4/27/2007 11:00	32.6	15.6	11.6	10.1
4/27/2007 12:00	37.0	17.5	16.3	12.9
4/27/2007 13:00	33.5	12.9	16.6	12.2
4/27/2007 14:00	28.7	11.7	11.3	8.7
4/27/2007 15:00	30.4	12.7	12.2	9.8
4/27/2007 16:00	23.6	11.2	9.7	8.5
4/27/2007 17:00	22.6	9.9	8.2	7.7
4/27/2007 18:00	19.0	8.7	5.5	5.5
4/27/2007 19:00	19.3	10.4	5.3	5.3
4/27/2007 20:00	24.5	12.3	5.3	5.3
4/27/2007 21:00	22.8	11.8	6.1	6.1
4/27/2007 22:00	19.3	10.6	6.3	6.3
4/27/2007 23:00	21.7	13.2	6.5	6.5
4/28/2007 0:00	29.6	17.6	5.6	5.6
4/28/2007 1:00	16.6	9.8	4.5	4.5
4/28/2007 2:00	11.4	7.4	3.3	3.3
4/28/2007 3:00	10.0	7.1	3.8	3.8
4/28/2007 4:00	8.3	5.2	3.0	3.0
4/28/2007 5:00	9.1	5.3	2.3	2.3
4/28/2007 6:00	8.6	5.5	2.5	2.5
4/28/2007 7:00	10.5	7.0	3.8	3.8
4/28/2007 8:00	23.3	13.6	5.7	5.7

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/28/2007 9:00	33.1	18.9	9.3	9.3
4/28/2007 10:00	36.9	21.7	25.2	18.7
4/28/2007 11:00	39.1	21.3	16.4	12.0
4/28/2007 12:00	37.6	18.2	20.1	13.5
4/28/2007 13:00	26.7	13.8	15.9	10.7
4/28/2007 14:00	18.7	11.5	12.8	9.6
4/28/2007 15:00	10.2	6.1	7.7	6.2
4/28/2007 16:00	11.6	7.8	10.0	8.1
4/28/2007 17:00	13.3	9.5	7.3	6.8
4/28/2007 18:00	12.4	8.7	11.4	10.0
4/28/2007 19:00	15.8	12.5	12.8	12.2
4/28/2007 20:00	20.4	17.0	15.1	15.1
4/28/2007 21:00	15.4	12.7	12.7	11.6
4/28/2007 22:00	46.0	33.8	15.2	14.4
4/28/2007 23:00	37.8	28.4	24.1	18.3
4/29/2007 0:00	28.7	23.4	57.8	35.6
4/29/2007 1:00	44.3	25.7	49.6	33.2
4/29/2007 2:00	72.4	29.0	63.7	29.0
4/29/2007 3:00	52.4	24.9	35.1	25.6
4/29/2007 4:00	36.3	30.6	32.7	29.9
4/29/2007 5:00	34.0	29.7	29.4	26.7
4/29/2007 6:00	20.8	17.0	16.7	16.7
4/29/2007 7:00	25.8	21.8	22.3	20.5
4/29/2007 8:00	20.3	16.3	17.7	14.8
4/29/2007 9:00	19.4	14.1	16.6	12.9
4/29/2007 10:00	15.8	10.8	13.5	10.3
4/29/2007 11:00	14.4	9.1	10.8	8.1
4/29/2007 12:00	17.9	11.5	15.1	11.2
4/29/2007 13:00	16.7	10.2	7.4	6.2
4/29/2007 14:00	10.5	5.4	2.8	2.8
4/29/2007 15:00	11.2	6.6	2.6	2.6
4/29/2007 16:00	12.5	7.6	3.1	3.1
4/29/2007 17:00	14.3	8.3	3.3	3.3
4/29/2007 18:00	13.0	6.9	2.8	2.8
4/29/2007 19:00	16.6	10.0	3.9	3.9
4/29/2007 20:00	22.0	13.3	3.1	3.1
4/29/2007 21:00	25.0	16.5	4.3	4.3
4/29/2007 22:00	24.2	16.7	6.2	6.2
4/29/2007 23:00	27.8	22.6	4.3	4.3
4/30/2007 0:00	24.3	19.3	4.8	4.8
4/30/2007 1:00	16.4	13.7	12.5	11.4
4/30/2007 2:00	10.8	7.3	3.9	3.9
4/30/2007 3:00	12.3	9.5	4.0	4.0
4/30/2007 4:00	13.0	12.0	11.3	10.6
4/30/2007 5:00	4.2	4.2	9.3	7.0
4/30/2007 6:00	22.8	19.3	21.1	16.1
4/30/2007 7:00	26.1	21.3	30.5	21.7

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
4/30/2007 8:00	21.6	18.3	29.4	17.9
4/30/2007 9:00	16.9	13.5	37.1	19.1
4/30/2007 10:00	12.9	10.0	27.6	15.3
4/30/2007 11:00	13.9	10.3	36.5	19.1
4/30/2007 12:00	16.7	11.7	29.5	16.8
4/30/2007 13:00	7.9	5.9	25.7	14.3
4/30/2007 14:00	5.6	4.6	20.7	11.8
4/30/2007 15:00	4.6	3.8	29.2	16.4
4/30/2007 16:00	4.9	4.1	17.1	10.6
4/30/2007 17:00	21.0	12.5	2.7	2.7
4/30/2007 18:00	18.4	12.5	2.3	2.3
4/30/2007 19:00	4.9	4.5	4.6	4.6
4/30/2007 20:00	9.4	7.2	5.7	5.7
4/30/2007 21:00	49.7	29.1	25.1	17.4
4/30/2007 22:00	28.9	22.6	20.0	14.4
4/30/2007 23:00	17.7	14.7	2.6	2.6
5/1/2007 0:00	11.4	10.0	2.3	2.3
5/1/2007 1:00	8.9	7.7	0.8	0.8
5/1/2007 2:00	18.1	12.9	0.5	0.5
5/1/2007 3:00	12.3	8.2	1.6	1.6
5/1/2007 4:00	8.9	7.0	0.2	0.2
5/1/2007 5:00	4.2	3.7	6.5	3.9
5/1/2007 6:00	2.7	2.7	30.7	19.6
5/1/2007 7:00	9.1	9.0	41.9	24.9
5/1/2007 8:00	9.4	8.8	43.2	26.0
5/1/2007 9:00	11.3	10.4	36.0	20.8
5/1/2007 10:00	8.5	7.0	31.6	16.2
5/1/2007 11:00	5.7	4.7	30.2	16.0
5/1/2007 12:00	5.0	4.2	32.1	15.8
5/1/2007 13:00	3.9	3.3	24.5	13.0
5/1/2007 14:00	4.0	3.5	20.2	13.5
5/1/2007 15:00	7.8	7.0	31.6	17.3
5/1/2007 16:00	7.9	7.3	37.7	22.9
5/1/2007 17:00	12.7	11.0	42.9	20.9
5/1/2007 18:00	18.0	14.3	49.2	26.1
5/1/2007 19:00	12.6	11.7	45.2	22.4
5/1/2007 20:00	6.8	6.6	39.6	18.5
5/1/2007 21:00	7.4	7.4	38.7	22.6
5/1/2007 22:00	16.1	16.0	54.2	28.7
5/1/2007 23:00	20.7	20.4	54.3	26.5
5/2/2007 0:00	39.5	25.5	63.0	30.3
5/2/2007 1:00	26.8	22.2	64.4	31.0
5/2/2007 2:00	62.7	28.2	51.0	29.4
5/2/2007 3:00	66.3	27.4	51.7	27.3
5/2/2007 4:00	43.2	22.4	66.5	28.2
5/2/2007 5:00	48.7	22.4	62.0	26.0
5/2/2007 6:00	71.0	21.3	50.5	20.2

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/2/2007 7:00	18.0	16.6	57.7	26.0
5/2/2007 8:00	20.0	16.2	49.8	21.7
5/2/2007 9:00	20.3	13.7	43.6	17.4
5/2/2007 10:00	19.1	13.4	48.2	18.6
5/2/2007 11:00	15.4	9.4	42.2	15.9
5/2/2007 12:00	10.7	7.3	37.9	14.8
5/2/2007 13:00	7.5	5.5	36.0	16.3
5/2/2007 14:00	8.4	6.4	30.7	16.4
5/2/2007 15:00	7.2	5.8	38.7	18.5
5/2/2007 16:00	4.3	4.0	31.9	16.2
5/2/2007 17:00	5.9	5.3	35.3	18.7
5/2/2007 18:00	8.2	7.3	42.2	23.6
5/2/2007 19:00	13.4	12.1	43.9	23.5
5/2/2007 20:00	11.9	11.4	44.9	24.8
5/2/2007 21:00	12.3	12.3	42.4	25.4
5/2/2007 22:00	16.7	16.7	50.1	33.7
5/2/2007 23:00	12.4	12.2	36.1	20.0
5/3/2007 0:00	9.0	9.0	28.6	17.5
5/3/2007 1:00	12.5	12.5	28.5	17.8
5/3/2007 2:00	14.5	14.5	30.0	19.7
5/3/2007 3:00	12.3	12.2	21.5	13.2
5/3/2007 4:00	7.7	7.7	17.4	9.7
5/3/2007 5:00	7.9	7.9	21.2	13.1
5/3/2007 6:00	8.2	8.2	29.4	14.6
5/3/2007 7:00	15.8	14.6	55.7	24.2
5/3/2007 8:00	20.4	15.8	46.9	18.8
5/3/2007 9:00	10.5	7.7	31.7	14.0
5/3/2007 10:00	7.9	5.2	31.9	13.1
5/3/2007 11:00	6.7	4.5	28.0	12.3
5/3/2007 12:00	5.8	4.0	31.7	12.6
5/3/2007 13:00	6.8	4.8	30.4	11.9
5/3/2007 14:00	5.1	3.8	28.9	12.2
5/3/2007 15:00	2.8	2.4	27.1	11.2
5/3/2007 16:00	1.8	1.5	28.6	10.5
5/3/2007 17:00	1.4	1.3	25.0	11.2
5/3/2007 18:00	1.6	1.5	25.1	11.5
5/3/2007 19:00	3.9	3.4	26.8	12.0
5/3/2007 20:00	13.6	12.5	36.3	22.1
5/3/2007 21:00	9.8	9.5	33.3	21.4
5/3/2007 22:00	14.7	14.7	39.5	26.1
5/3/2007 23:00	34.8	34.4	61.4	43.1
5/4/2007 0:00	29.2	29.1	49.0	32.5
5/4/2007 1:00	16.4	16.4	38.9	23.2
5/4/2007 2:00	10.2	10.2	28.0	15.3
5/4/2007 3:00	8.4	8.4	20.0	10.9
5/4/2007 4:00	7.9	7.9	15.7	8.8
5/4/2007 5:00	7.3	7.3	18.7	10.1

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/4/2007 6:00	7.3	7.3	18.4	7.8
5/4/2007 7:00	7.7	7.6	26.2	11.5
5/4/2007 8:00	11.5	10.0	31.8	14.9
5/4/2007 9:00	9.2	7.2	25.3	10.9
5/4/2007 10:00	5.6	4.0	26.7	11.3
5/4/2007 11:00	4.3	3.2	25.8	12.5
5/4/2007 12:00	4.2	3.2	23.0	10.8
5/4/2007 13:00	4.2	3.2	20.0	10.1
5/4/2007 14:00	2.7	2.1	20.9	10.3
5/4/2007 15:00	2.2	1.6	21.3	11.1
5/4/2007 16:00	2.1	1.7	20.6	11.2
5/4/2007 17:00	1.6	1.5	19.3	10.5
5/4/2007 18:00	1.7	1.4	16.6	9.6
5/4/2007 19:00	1.8	1.6	26.1	13.0
5/4/2007 20:00	2.6	2.5	24.9	12.8
5/4/2007 21:00	4.3	4.2	40.1	24.3
5/4/2007 22:00	6.1	6.0	28.9	17.6
5/4/2007 23:00	5.9	5.9	22.1	14.1
5/5/2007 0:00	4.4	4.4	17.2	10.7
5/5/2007 1:00	7.8	7.7	32.3	19.0
5/5/2007 2:00	12.0	11.8	16.5	11.6
5/5/2007 3:00	3.1	3.1	10.6	6.0
5/5/2007 4:00	3.7	3.5	7.0	4.6
5/5/2007 5:00	5.7	5.7	7.8	5.2
5/5/2007 6:00	6.6	6.6	9.2	5.9
5/5/2007 7:00	7.7	7.7	14.0	8.2
5/5/2007 8:00	8.9	8.0	21.1	10.7
5/5/2007 9:00	7.0	5.7	14.9	7.0
5/5/2007 10:00	7.1	5.3	16.3	8.4
5/5/2007 11:00	7.9	5.5	17.6	9.0
5/5/2007 12:00	5.9	4.4	18.7	8.5
5/5/2007 13:00	4.1	3.4	17.8	9.1
5/5/2007 14:00	4.0	3.5	16.3	9.1
5/5/2007 15:00	3.1	2.9	14.2	8.4
5/5/2007 16:00	4.3	3.8	15.0	8.1
5/5/2007 17:00	3.5	3.2	18.0	9.9
5/5/2007 18:00	2.6	2.4	13.8	8.2
5/5/2007 19:00	2.5	2.3	11.3	6.3
5/5/2007 20:00	2.3	2.3	10.1	5.7
5/5/2007 21:00	2.5	2.4	8.3	5.6
5/5/2007 22:00	2.2	2.2	11.2	7.2
5/5/2007 23:00	4.3	4.3	11.1	8.7
5/6/2007 0:00	10.0	10.0	15.8	12.7
5/6/2007 1:00	5.2	5.2	8.6	8.1
5/6/2007 2:00	3.8	3.6	3.3	2.5
5/6/2007 3:00	3.0	3.0	2.2	1.9
5/6/2007 4:00	3.9	3.8	2.8	2.3

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/6/2007 5:00	1.6	1.6	2.4	2.1
5/6/2007 6:00	1.0	1.1	3.0	2.6
5/6/2007 7:00	1.2	1.3	2.7	2.1
5/6/2007 8:00	1.8	1.6	4.4	3.1
5/6/2007 9:00	1.8	1.4	6.0	3.9
5/6/2007 10:00	1.3	0.9	4.2	2.8
5/6/2007 11:00	0.3	0.2	4.7	2.8
5/6/2007 12:00	0.2	0.0	7.5	3.6
5/6/2007 13:00	0.1	0.0	8.1	3.6
5/6/2007 14:00	0.0	0.0	8.8	3.1
5/6/2007 15:00	0.0		8.5	4.4
5/6/2007 16:00	0.1		9.5	4.1
5/6/2007 17:00	0.1	0.1	11.7	5.6
5/6/2007 18:00	0.1	0.1	11.7	6.3
5/6/2007 19:00	0.3	0.2	13.4	7.5
5/6/2007 20:00	0.5	0.5	13.9	9.7
5/6/2007 21:00	2.1	2.0	20.8	14.7
5/6/2007 22:00	4.9	4.9	20.5	14.3
5/6/2007 23:00	3.6	3.6	16.7	10.2
5/7/2007 0:00	3.1	3.1	13.4	9.2
5/7/2007 1:00	2.4	2.3	13.3	9.3
5/7/2007 2:00	0.7	0.5	9.9	8.1
5/7/2007 3:00	1.2	1.2	15.7	11.5
5/7/2007 4:00	2.7	2.6	9.2	6.8
5/7/2007 5:00	1.9	1.8	20.6	15.5
5/7/2007 6:00	3.7	3.7	45.0	23.8
5/7/2007 7:00	24.2	11.2	54.3	28.4
5/7/2007 8:00	32.3	19.8	16.4	13.5
5/7/2007 9:00	36.7	17.9	9.5	7.6
5/7/2007 10:00	23.5	12.3	5.8	4.9
5/7/2007 11:00	19.3	9.8	3.0	3.1
5/7/2007 12:00	15.4	8.3	2.7	2.7
5/7/2007 13:00	17.6	8.8	3.1	3.1
5/7/2007 14:00	16.8	9.3	2.6	2.6
5/7/2007 15:00	16.7	9.9	2.3	2.3
5/7/2007 16:00	22.3	13.9	1.9	1.9
5/7/2007 17:00	27.1	16.4	1.9	1.9
5/7/2007 18:00	21.4	15.3	2.0	2.0
5/7/2007 19:00	11.0	9.0	2.0	2.0
5/7/2007 20:00	7.7	7.2	3.0	3.0
5/7/2007 21:00	9.8	9.6	4.6	4.6
5/7/2007 22:00	13.3	13.3	7.3	7.3
5/7/2007 23:00	24.5	21.5	6.0	6.0
5/8/2007 0:00	14.3	14.1	6.4	6.4
5/8/2007 1:00	39.1	29.8	6.2	6.2
5/8/2007 2:00	87.8	38.0	6.9	6.7
5/8/2007 3:00	87.9	39.7	3.6	3.6

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/8/2007 4:00	36.4	27.2	3.3	3.3
5/8/2007 5:00	23.2	19.0	3.7	3.7
5/8/2007 6:00	26.0	18.6	4.9	4.9
5/8/2007 7:00	45.3	27.5	10.3	10.3
5/8/2007 8:00	54.8	30.2	8.5	8.5
5/8/2007 9:00	39.4	22.0	12.0	10.7
5/8/2007 10:00	39.4	21.3	17.8	14.0
5/8/2007 11:00	29.6	16.4	12.0	9.8
5/8/2007 12:00	29.9	17.5	10.4	8.8
5/8/2007 13:00	26.5	17.6	9.5	8.5
5/8/2007 14:00	21.3	14.8	9.1	8.6
5/8/2007 15:00	24.9	18.0	7.6	7.6
5/8/2007 16:00	25.1	18.0	7.6	7.6
5/8/2007 17:00	23.1	17.8	5.4	5.4
5/8/2007 18:00	25.7	20.5	6.1	6.1
5/8/2007 19:00	28.9	24.7	5.2	5.2
5/8/2007 20:00	28.3	24.8	4.8	4.8
5/8/2007 21:00	31.0	29.7	4.1	4.1
5/8/2007 22:00	17.7	17.7	6.1	6.1
5/8/2007 23:00	23.6	23.3	6.6	6.6
5/9/2007 0:00	18.1	18.1	6.8	6.8
5/9/2007 1:00	13.6	13.6	3.8	3.8
5/9/2007 2:00	8.3	8.1	3.6	3.6
5/9/2007 3:00	14.0	13.5	3.4	3.4
5/9/2007 4:00	25.0	22.8	4.4	4.4
5/9/2007 5:00	33.8	29.8	6.2	6.2
5/9/2007 6:00	26.1	23.3	7.0	7.0
5/9/2007 7:00	33.7	25.1	7.8	7.8
5/9/2007 8:00	40.1	27.2	9.7	9.7
5/9/2007 9:00	45.3	30.2	17.8	16.4
5/9/2007 10:00	62.4	38.0	21.4	20.2
5/9/2007 11:00	60.2	36.7	55.3	34.1
5/9/2007 12:00	25.1	22.5	54.4	32.2
5/9/2007 13:00	17.0	15.5	45.8	26.7
5/9/2007 14:00	12.3	10.9	48.9	30.7
5/9/2007 15:00	15.7	14.1	46.9	32.6
5/9/2007 16:00	41.8	24.3	37.5	27.0
5/9/2007 17:00	46.4	27.5	26.0	21.4
5/9/2007 18:00	49.8	31.9	12.9	12.9
5/9/2007 19:00	51.8	33.6	9.5	9.5
5/9/2007 20:00	53.4	31.3	10.8	10.8
5/9/2007 21:00	46.7	31.6	10.3	10.3
5/9/2007 22:00	43.0	30.4	20.2	14.9
5/9/2007 23:00	65.8	35.0	91.2	42.7
5/10/2007 0:00	77.3	36.0	102.3	42.8
5/10/2007 1:00	130.1	36.0	66.4	35.9
5/10/2007 2:00	66.2	33.4	31.8	31.1



## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/10/2007 3:00	50.0	33.1	43.4	31.5
5/10/2007 4:00	54.2	33.8	55.1	32.9
5/10/2007 5:00	68.5	31.4	65.4	31.2
5/10/2007 6:00	97.8	27.0	37.2	26.2
5/10/2007 7:00	104.5	25.9	31.7	21.4
5/10/2007 8:00	94.0	23.4	42.7	21.3
5/10/2007 9:00	77.8	24.3	106.1	29.4
5/10/2007 10:00	70.6	31.7	74.3	34.9
5/10/2007 11:00	47.5	29.8	24.9	18.7
5/10/2007 12:00	28.9	19.1	10.2	8.9
5/10/2007 13:00	23.5	14.4	9.4	8.1
5/10/2007 14:00	27.6	16.9	20.8	15.3
5/10/2007 15:00	23.9	15.1	11.2	9.5
5/10/2007 16:00	23.2	15.9	6.3	6.3
5/10/2007 17:00	33.6	23.4	6.6	6.6
5/10/2007 18:00	33.2	24.8	7.0	7.0
5/10/2007 19:00	28.1	22.7	6.2	6.2
5/10/2007 20:00	33.6	29.2	4.9	4.9
5/10/2007 21:00	38.8	31.9	7.4	7.4
5/10/2007 22:00	19.5	18.5	7.5	7.5
5/10/2007 23:00	29.5	26.1	4.5	4.5
5/11/2007 0:00	33.3	25.2	4.0	4.0
5/11/2007 1:00	27.2	23.2	3.1	3.1
5/11/2007 2:00	28.3	23.6	21.9	13.2
5/11/2007 3:00	45.7	27.5	30.1	21.5
5/11/2007 4:00	50.0	30.4	3.3	3.3
5/11/2007 5:00	65.2	25.5	89.6	27.0
5/11/2007 6:00	106.5	25.1	94.6	27.3
5/11/2007 7:00	138.2	24.9	42.0	23.2
5/11/2007 8:00	134.9	21.0	40.8	19.1
5/11/2007 9:00	139.0	42.8	112.6	39.7
5/11/2007 10:00	91.5	44.0	82.0	41.6
5/11/2007 11:00	60.2	38.0	53.2	31.9
5/11/2007 12:00	33.9	25.9	32.3	22.9
5/11/2007 13:00	20.4	17.3	21.8	17.7
5/11/2007 14:00	10.8	10.1	25.7	20.4
5/11/2007 15:00	7.7	7.4	30.4	21.3
5/11/2007 16:00	6.6	6.4	29.7	20.5
5/11/2007 17:00	18.3	16.6	36.5	25.2
5/11/2007 18:00	17.9	16.0	34.7	23.8
5/11/2007 19:00	10.2	9.2	23.0	14.0
5/11/2007 20:00	4.7	4.6	19.2	10.0
5/11/2007 21:00	6.4	6.4	18.5	10.0
5/11/2007 22:00	5.1	5.1	14.8	9.3
5/11/2007 23:00	4.1	4.1	16.3	9.5
5/12/2007 0:00	4.6	4.6	13.7	8.7
5/12/2007 1:00	6.1	6.1	13.8	8.9

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/12/2007 2:00	5.7	5.7	14.4	9.5
5/12/2007 3:00	6.6	6.6	11.9	8.9
5/12/2007 4:00	6.3	6.3	12.2	8.7
5/12/2007 5:00	4.4	4.4	11.1	7.8
5/12/2007 6:00	5.1	5.1	10.9	7.2
5/12/2007 7:00	7.1	6.9	13.7	8.6
5/12/2007 8:00	9.0	7.9	18.4	10.8
5/12/2007 9:00	8.6	7.2	18.4	10.1
5/12/2007 10:00	8.7	7.4	17.8	11.2
5/12/2007 11:00	9.9	6.8	25.1	12.2
5/12/2007 12:00	8.1	5.4	26.1	10.6
5/12/2007 13:00	8.9	5.8	24.7	11.2
5/12/2007 14:00	4.2	3.3	13.5	7.5
5/12/2007 15:00	3.0	2.4	14.9	8.2
5/12/2007 16:00	2.6	2.2	10.6	5.6
5/12/2007 17:00	2.8	2.2	13.2	7.3
5/12/2007 18:00	2.4	1.9	12.3	6.6
5/12/2007 19:00	2.3	1.9	10.5	5.2
5/12/2007 20:00	2.3	2.1	9.3	5.8
5/12/2007 21:00	2.6	2.4	7.4	5.0
5/12/2007 22:00	3.0	3.0	10.2	7.3
5/12/2007 23:00	3.8	3.8	7.7	5.7
5/13/2007 0:00	3.9	3.8	7.8	6.4
5/13/2007 1:00	5.9	5.8	8.6	7.6
5/13/2007 2:00	6.4	6.2	8.6	7.5
5/13/2007 3:00	6.1	5.9	8.8	7.6
5/13/2007 4:00	8.7	8.5	11.2	10.0
5/13/2007 5:00	13.8	12.7	15.6	13.8
5/13/2007 6:00	9.3	9.1	15.1	12.4
5/13/2007 7:00	7.4	7.2	17.1	13.5
5/13/2007 8:00	8.7	7.7	15.4	10.6
5/13/2007 9:00	9.7	7.7	12.3	7.9
5/13/2007 10:00	2.0	1.7	8.9	4.7
5/13/2007 11:00	1.1	0.7	8.8	4.9
5/13/2007 12:00	1.1	0.8	8.0	4.5
5/13/2007 13:00	1.3	1.0	11.5	6.3
5/13/2007 14:00	1.2	1.0	8.0	5.0
5/13/2007 15:00	1.5	1.1	7.9	5.3
5/13/2007 16:00	2.4	1.7	3.9	3.4
5/13/2007 17:00	10.2	4.7	1.6	1.6
5/13/2007 18:00	10.9	5.5	1.0	1.0
5/13/2007 19:00	10.5	6.8	1.1	1.1
5/13/2007 20:00	13.4	11.2	0.9	0.9
5/13/2007 21:00	23.2	20.2	2.1	2.1
5/13/2007 22:00	20.2	18.8	3.9	3.9
5/13/2007 23:00	35.4	30.3	11.8	8.0
5/14/2007 0:00	22.0	17.4	49.6	26.6

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/14/2007 1:00	34.7	20.6	72.2	38.5
5/14/2007 2:00	34.6	21.0	83.0	40.9
5/14/2007 3:00	57.3	29.9	84.1	33.5
5/14/2007 4:00	18.6	16.0	73.2	29.5
5/14/2007 5:00	18.2	16.5	65.7	25.2
5/14/2007 6:00	16.1	14.5	68.2	31.4
5/14/2007 7:00	25.0	23.1	87.7	37.1
5/14/2007 8:00	33.1	25.9	96.3	35.4
5/14/2007 9:00	40.8	26.7	40.6	24.7
5/14/2007 10:00	23.2	17.2	24.1	15.8
5/14/2007 11:00	24.2	17.6	49.4	25.1
5/14/2007 12:00	21.7	15.0	35.8	19.6
5/14/2007 13:00	11.6	8.4	6.6	6.1
5/14/2007 14:00	23.2	14.6	5.7	5.6
5/14/2007 15:00	22.6	15.4	4.9	4.9
5/14/2007 16:00	21.5	15.5	4.5	4.5
5/14/2007 17:00	23.8	17.5	4.5	4.5
5/14/2007 18:00	25.7	19.0	4.0	4.0
5/14/2007 19:00	23.0	17.1	3.6	3.6
5/14/2007 20:00	26.2	22.3	4.8	4.8
5/14/2007 21:00	51.2	42.3	5.5	5.5
5/14/2007 22:00	45.6	40.3	4.5	4.5
5/14/2007 23:00	30.2	27.3	4.4	4.4
5/15/2007 0:00	20.0	16.9	5.3	5.3
5/15/2007 1:00	14.2	12.3	7.7	7.7
5/15/2007 2:00	12.2	10.8	6.9	6.9
5/15/2007 3:00	7.8	6.4	4.6	4.6
5/15/2007 4:00	10.8	8.7	4.1	4.1
5/15/2007 5:00	12.7	10.6	5.3	5.3
5/15/2007 6:00	14.6	11.7	5.3	5.3
5/15/2007 7:00	25.5	17.3	8.0	8.0
5/15/2007 8:00	31.3	22.2	8.5	8.5
5/15/2007 9:00	34.8	22.8	9.5	9.5
5/15/2007 10:00	28.6	17.4	9.1	8.6
5/15/2007 11:00	28.4	17.4	8.9	8.4
5/15/2007 12:00	25.3	16.4	6.4	6.4
5/15/2007 13:00	22.2	14.5	4.8	4.8
5/15/2007 14:00	16.9	12.5	3.7	3.7
5/15/2007 15:00	12.5	8.4	3.3	3.3
5/15/2007 16:00	<b>outlier removed</b>	<b>outlier removed</b>	13.1	3.0
5/15/2007 17:00	11.0	7.2	<b>outlier removed</b>	<b>outlier removed</b>
5/15/2007 18:00	33.8	23.8	<b>outlier removed</b>	<b>outlier removed</b>
5/15/2007 19:00	30.7	20.8	80.1	0.7
5/15/2007 20:00	34.1	20.8	13.9	3.1
5/15/2007 21:00	15.0	9.8	3.6	3.3
5/15/2007 22:00	18.7	14.0	2.9	2.9
5/15/2007 23:00	24.1	15.9	3.3	3.3

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/16/2007 0:00	12.5	9.2	3.9	3.9
5/16/2007 1:00	2.7	2.0	8.9	7.1
5/16/2007 2:00	<b>outlier removed</b>	<b>outlier removed</b>	12.8	7.7
5/16/2007 3:00	9.2	4.8	13.9	10.2
5/16/2007 4:00	29.1	17.9	26.9	18.7
5/16/2007 5:00	26.5	16.5	31.2	20.4
5/16/2007 6:00	13.6	9.3	18.2	13.9
5/16/2007 7:00	30.5	16.2	19.1	16.5
5/16/2007 8:00	29.8	18.7	29.8	20.4
5/16/2007 9:00	29.6	16.1	27.6	18.4
5/16/2007 10:00	28.6	14.9	30.3	17.0
5/16/2007 11:00	28.0	11.2	23.6	13.6
5/16/2007 12:00	28.1	12.4	21.4	14.3
5/16/2007 13:00	29.1	12.7	30.8	16.4
5/16/2007 14:00	29.0	8.1	21.8	11.5
5/16/2007 15:00	35.1	9.7	16.7	9.3
5/16/2007 16:00	23.7	5.0	23.3	9.7
5/16/2007 17:00	22.0	5.7	22.6	8.7
5/16/2007 18:00	19.7	5.7	23.0	10.8
5/16/2007 19:00	21.6	6.8	19.5	11.6
5/16/2007 20:00	18.4	6.8	21.8	13.0
5/16/2007 21:00	28.5	15.7	29.1	16.6
5/16/2007 22:00	26.5	15.5	32.3	19.9
5/16/2007 23:00	8.1	5.8	29.6	17.0
5/17/2007 0:00	26.2	19.1	55.5	26.6
5/17/2007 1:00	51.9	22.7	50.6	27.7
5/17/2007 2:00	51.4	20.7	32.5	21.4
5/17/2007 3:00	35.0	18.1	46.3	24.2
5/17/2007 4:00	40.2	15.9	25.8	16.3
5/17/2007 5:00	46.5	17.1	28.3	18.4
5/17/2007 6:00	1.7		16.9	10.9
5/17/2007 7:00	0.0		22.5	11.8
5/17/2007 8:00	1.7	1.2	27.1	13.3
5/17/2007 9:00	2.4	1.7	37.7	17.3
5/17/2007 10:00	3.7	2.5	32.6	16.0
5/17/2007 11:00	4.7	2.2	42.1	17.8
5/17/2007 12:00	<b>outlier removed</b>		17.8	10.1
5/17/2007 13:00	<b>outlier removed</b>		16.5	9.3
5/17/2007 14:00	3.6	2.0	18.6	11.6
5/17/2007 15:00	7.2	4.7	30.7	14.1
5/17/2007 16:00	6.9	3.9	40.3	16.4
5/17/2007 17:00	3.6	2.1	43.6	17.8
5/17/2007 18:00	8.8	6.1	48.2	21.4
5/17/2007 19:00	6.9	4.6	48.2	24.5
5/17/2007 20:00	7.3	5.8	45.4	24.4
5/17/2007 21:00	4.1	3.6	56.1	31.2
5/17/2007 22:00	55.2	22.3	53.8	27.4

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/17/2007 23:00	82.3	25.0	161.3	30.7
5/18/2007 0:00	176.0	26.3	192.1	28.5
5/18/2007 1:00	137.0	20.9	120.3	22.1
5/18/2007 2:00	180.9	21.0	185.4	28.0
5/18/2007 3:00	171.2	20.6	168.6	29.3
5/18/2007 4:00	174.0	24.0	137.1	33.0
5/18/2007 5:00	140.9	23.5	144.2	32.3
5/18/2007 6:00	143.5	23.9	151.1	32.3
5/18/2007 7:00	132.8	23.7	162.4	33.3
5/18/2007 8:00	151.1	24.3	170.9	35.8
5/18/2007 9:00	93.3	34.9	85.0	35.1
5/18/2007 10:00	24.2	14.0	52.8	24.3
5/18/2007 11:00	22.8	11.8	32.6	18.2
5/18/2007 12:00	23.9	11.7	32.4	17.2
5/18/2007 13:00	5.9	2.1	19.6	10.1
5/18/2007 14:00	1.5	<b>outlier removed</b>	18.1	10.0
5/18/2007 15:00	1.8	<b>outlier removed</b>	14.7	9.3
5/18/2007 16:00	0.7	<b>outlier removed</b>	9.3	7.1
5/18/2007 17:00	6.1	2.8	5.6	5.2
5/18/2007 18:00	15.3	8.7	7.5	7.2
5/18/2007 19:00	11.1	6.4	5.1	5.1
5/18/2007 20:00	14.8	10.2	3.7	3.7
5/18/2007 21:00	21.4	17.3	3.2	3.2
5/18/2007 22:00	29.9	25.6	4.8	4.8
5/18/2007 23:00	12.8	12.7	37.4	20.0
5/19/2007 0:00	62.7	25.1	20.6	20.2
5/19/2007 1:00	84.7	35.7	9.9	9.9
5/19/2007 2:00	52.6	27.6	4.6	4.6
5/19/2007 3:00	52.8	25.1	22.2	15.5
5/19/2007 4:00	45.8	23.4	10.9	10.9
5/19/2007 5:00	35.8	20.5	23.3	18.6
5/19/2007 6:00	37.1	20.3	10.3	10.3
5/19/2007 7:00	28.9	18.9	7.4	7.4
5/19/2007 8:00	32.0	20.1	10.6	10.6
5/19/2007 9:00	33.1	20.0	15.1	15.0
5/19/2007 10:00	25.0	14.5	14.2	13.0
5/19/2007 11:00	23.5	13.3	10.3	10.0
5/19/2007 12:00	26.4	13.6	11.6	10.3
5/19/2007 13:00	18.8	10.0	8.3	8.3
5/19/2007 14:00	15.4	7.6	4.8	4.8
5/19/2007 15:00	12.5	6.4	6.4	6.4
5/19/2007 16:00	12.6	7.2	6.4	6.4
5/19/2007 17:00	11.6	6.5	5.2	5.2
5/19/2007 18:00	11.1	6.5	6.2	6.2
5/19/2007 19:00	7.8	5.1	5.3	5.3
5/19/2007 20:00	6.8	5.2	4.2	4.2
5/19/2007 21:00	25.3	21.3	5.2	5.2

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/19/2007 22:00	20.4	17.0	7.2	7.2
5/19/2007 23:00	34.8	27.6	8.7	8.7
5/20/2007 0:00	41.2	34.4	12.4	12.4
5/20/2007 1:00	45.9	38.2	16.4	16.4
5/20/2007 2:00	29.9	25.1	38.0	33.8
5/20/2007 3:00	31.4	24.4	22.0	20.2
5/20/2007 4:00	18.6	16.8	11.6	11.6
5/20/2007 5:00	29.4	23.2	12.7	12.7
5/20/2007 6:00	21.0	19.3	26.5	25.9
5/20/2007 7:00	8.2	8.0	24.3	21.2
5/20/2007 8:00	13.1	7.9	16.1	13.6
5/20/2007 9:00	0.4		6.8	6.1
5/20/2007 10:00	3.7	1.7	10.9	8.2
5/20/2007 11:00	outlier removed	outlier removed	11.6	7.8
5/20/2007 12:00	outlier removed	outlier removed	10.5	5.1
5/20/2007 13:00	outlier removed	outlier removed	10.2	4.6
5/20/2007 14:00	outlier removed	outlier removed	8.2	3.3
5/20/2007 15:00	outlier removed	outlier removed	9.2	4.1
5/20/2007 16:00	outlier removed	outlier removed	8.9	4.1
5/20/2007 17:00	outlier removed	outlier removed	10.8	5.0
5/20/2007 18:00	outlier removed	outlier removed	11.3	3.9
5/20/2007 19:00	outlier removed	outlier removed	10.3	4.2
5/20/2007 20:00	outlier removed	outlier removed	13.1	6.0
5/20/2007 21:00	outlier removed	outlier removed	10.1	5.3
5/20/2007 22:00	outlier removed	outlier removed	10.2	6.6
5/20/2007 23:00	0.0	outlier removed	12.0	6.6
5/21/2007 0:00	outlier removed	outlier removed	10.3	6.9
5/21/2007 1:00	outlier removed	outlier removed	9.0	6.8
5/21/2007 2:00	outlier removed	outlier removed	15.1	11.1
5/21/2007 3:00	2.2	2.2	17.4	11.9
5/21/2007 4:00	19.3	10.8	24.5	15.4
5/21/2007 5:00	32.6	13.1	18.6	12.3
5/21/2007 6:00	41.5	14.6	50.4	18.1
5/21/2007 7:00	23.8	12.3	45.8	19.3
5/21/2007 8:00	17.2	9.7	44.7	18.6
5/21/2007 9:00	0.1	outlier removed	16.8	9.3
5/21/2007 10:00	0.1	outlier removed	7.0	4.6
5/21/2007 11:00	4.3	outlier removed	1.0	1.0
5/21/2007 12:00	1.4	outlier removed	2.2	2.2
5/21/2007 13:00	outlier removed	outlier removed	1.8	1.8
5/21/2007 14:00	outlier removed	outlier removed	2.6	2.5
5/21/2007 15:00	outlier removed	outlier removed	3.2	3.1
5/21/2007 16:00	0.4	outlier removed	5.8	4.5
5/21/2007 17:00	outlier removed	outlier removed	9.5	6.4
5/21/2007 18:00	outlier removed	outlier removed	7.7	6.4
5/21/2007 19:00	outlier removed	outlier removed	2.2	2.2
5/21/2007 20:00	outlier removed	outlier removed	9.7	8.2

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/21/2007 21:00	outlier removed	outlier removed	21.3	17.2
5/21/2007 22:00	0.0	outlier removed	15.4	13.5
5/21/2007 23:00	outlier removed	outlier removed	14.4	13.4
5/22/2007 0:00	0.0	outlier removed	23.7	16.0
5/22/2007 1:00	0.3	0.2	15.8	14.3
5/22/2007 2:00	outlier removed	outlier removed	26.5	23.7
5/22/2007 3:00	outlier removed	outlier removed	53.3	29.3
5/22/2007 4:00	outlier removed	outlier removed	42.5	26.1
5/22/2007 5:00	4.9	4.2	35.1	22.2
5/22/2007 6:00	3.9	3.7	30.5	19.5
5/22/2007 7:00	3.5	2.9	61.7	27.0
5/22/2007 8:00	12.7	9.4	58.5	25.0
5/22/2007 9:00	23.4	13.2	40.6	20.7
5/22/2007 10:00	17.9	9.2	20.1	12.7
5/22/2007 11:00	12.8	6.6	8.3	7.3
5/22/2007 12:00	16.7	9.3	5.7	5.7
5/22/2007 13:00	15.6	9.6	6.2	6.2
5/22/2007 14:00	11.1	7.6	5.8	5.8
5/22/2007 15:00	10.9	7.8	4.9	4.9
5/22/2007 16:00	12.6	8.8	2.9	2.9
5/22/2007 17:00	7.7	5.5	2.1	2.1
5/22/2007 18:00	2.0	1.1	5.5	5.5
5/22/2007 19:00	outlier removed	outlier removed	11.0	10.3
5/22/2007 20:00	outlier removed	outlier removed	24.1	21.3
5/22/2007 21:00	outlier removed	outlier removed	25.6	24.0
5/22/2007 22:00	outlier removed	outlier removed	29.7	26.4
5/22/2007 23:00	0.0	outlier removed	43.4	36.1
5/23/2007 0:00	0.0	outlier removed	18.5	18.5
5/23/2007 1:00	0.0	outlier removed	15.1	15.1
5/23/2007 2:00	0.8	0.6	32.8	30.6
5/23/2007 3:00	2.6	2.6	70.3	42.2
5/23/2007 4:00	5.6	5.4	47.1	30.4
5/23/2007 5:00	5.4	5.2	43.0	28.4
5/23/2007 6:00	4.3	4.3	59.9	29.2
5/23/2007 7:00	5.0	4.6	96.3	30.9
5/23/2007 8:00	16.6	10.1	95.4	31.1
5/23/2007 9:00	35.9	20.4	8.1	8.1
5/23/2007 10:00	24.8	14.2	6.5	6.5
5/23/2007 11:00	24.7	15.0	13.5	12.1
5/23/2007 12:00	23.8	16.2	12.7	11.9
5/23/2007 13:00	24.0	15.6	8.5	8.5
5/23/2007 14:00	18.2	13.0	4.1	4.1
5/23/2007 15:00	13.2	10.2	3.3	3.3
5/23/2007 16:00	17.9	13.5	2.8	2.8
5/23/2007 17:00	12.2	9.4	2.4	2.4
5/23/2007 18:00	17.0	13.6	2.0	2.0
5/23/2007 19:00	13.5	11.8	2.1	2.1

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/23/2007 20:00	4.0	4.0	2.3	2.3
5/23/2007 21:00	7.5	7.5	3.3	3.3
5/23/2007 22:00	4.3	4.2	3.4	3.4
5/23/2007 23:00	2.6	2.6	2.7	2.7
5/24/2007 0:00	6.9	6.7	2.3	2.3
5/24/2007 1:00	4.3	4.2	2.0	2.0
5/24/2007 2:00	25.0	22.0	3.0	3.0
5/24/2007 3:00	34.1	28.8	5.1	5.1
5/24/2007 4:00	29.8	27.0	6.8	6.8
5/24/2007 5:00	34.1	23.0	5.5	5.5
5/24/2007 6:00	89.1	39.9	10.1	10.1
5/24/2007 7:00	79.4	27.6	12.7	12.7
5/24/2007 8:00	93.1	37.9	11.8	11.8
5/24/2007 9:00	33.5	22.5	10.3	10.3
5/24/2007 10:00	23.9	16.1	9.9	10.2
5/24/2007 11:00	20.6	14.7	8.5	8.5
5/24/2007 12:00	18.4	13.2	8.2	8.2
5/24/2007 13:00	23.9	16.5	8.3	8.3
5/24/2007 14:00	12.7	9.0	7.1	7.1
5/24/2007 15:00	21.7	16.4	7.9	7.9
5/24/2007 16:00	20.2	15.4	2.1	2.1
5/24/2007 17:00	11.4	8.7	1.7	1.7
5/24/2007 18:00	19.7	15.5	1.7	1.7
5/24/2007 19:00	12.9	11.1	1.7	1.7
5/24/2007 20:00	1.9	1.8	1.7	1.7
5/24/2007 21:00	2.9	2.7	2.1	2.1
5/24/2007 22:00	11.8	11.8	2.9	2.9
5/24/2007 23:00	22.6	22.3	3.3	3.3
5/25/2007 0:00	29.7	29.2	3.8	3.8
5/25/2007 1:00	27.6	27.1	4.7	4.7
5/25/2007 2:00	24.6	23.9	8.1	8.1
5/25/2007 3:00	21.5	20.8	9.4	9.4
5/25/2007 4:00	14.0	13.9	6.7	6.7
5/25/2007 5:00	14.7	14.2	5.6	5.6
5/25/2007 6:00	22.5	20.5	5.5	5.5
5/25/2007 7:00	35.7	28.7	6.9	6.9
5/25/2007 8:00	43.0	28.1	8.7	8.7
5/25/2007 9:00	34.0	18.3	11.5	11.4
5/25/2007 10:00	22.0	11.9	7.8	7.8
5/25/2007 11:00	14.4	6.4	4.3	4.3
5/25/2007 12:00	12.3	5.8	2.9	2.9
5/25/2007 13:00	19.2	9.2	3.4	3.4
5/25/2007 14:00	21.7	11.9	6.4	6.4
5/25/2007 15:00	26.1	14.0	13.7	10.8
5/25/2007 16:00	26.5	14.8	21.6	13.9
5/25/2007 17:00	23.0	12.7	5.7	5.7
5/25/2007 18:00	17.2	8.5	5.2	5.2



# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/25/2007 19:00	18.4	10.1	5.3	5.3
5/25/2007 20:00	20.3	11.2	4.9	4.9
5/25/2007 21:00	24.3	16.2	5.4	5.4
5/25/2007 22:00	39.0	24.4	7.5	7.5
5/25/2007 23:00	22.0	20.5	10.4	10.4
5/26/2007 0:00	42.8	29.1	12.6	12.6
5/26/2007 1:00	47.2	26.3	11.0	11.0
5/26/2007 2:00	55.9	24.3	29.2	16.1
5/26/2007 3:00	52.1	24.1	75.8	27.2
5/26/2007 4:00	41.0	22.8	59.5	29.0
5/26/2007 5:00	26.0	16.7	26.0	21.0
5/26/2007 6:00	6.9	6.9	21.3	18.0
5/26/2007 7:00	4.2	4.2	17.7	13.4
5/26/2007 8:00	3.6	3.4	19.6	13.5
5/26/2007 9:00	4.9	4.4	22.7	14.6
5/26/2007 10:00	3.2	2.6	19.8	10.8
5/26/2007 11:00	1.3	0.4	14.9	8.1
5/26/2007 12:00	4.8	3.5	13.3	8.8
5/26/2007 13:00	7.8	5.5	16.2	9.9
5/26/2007 14:00	2.0	0.9	15.3	10.1
5/26/2007 15:00	outlier removed	outlier removed	19.3	10.9
5/26/2007 16:00	outlier removed	outlier removed	10.6	6.8
5/26/2007 17:00	outlier removed	outlier removed	8.1	6.6
5/26/2007 18:00	outlier removed	outlier removed	8.1	7.0
5/26/2007 19:00	outlier removed	outlier removed	5.5	5.5
5/26/2007 20:00	outlier removed	outlier removed	11.8	10.5
5/26/2007 21:00	0.0	outlier removed	16.7	13.2
5/26/2007 22:00	0.0	outlier removed	13.2	11.9
5/26/2007 23:00	1.4	1.2	3.0	3.0
5/27/2007 0:00	2.0	1.4	1.9	1.9
5/27/2007 1:00	4.7	2.9	2.6	2.6
5/27/2007 2:00	outlier removed	outlier removed	1.4	1.4
5/27/2007 3:00	outlier removed	outlier removed	1.4	1.4
5/27/2007 4:00	outlier removed	outlier removed	1.7	1.7
5/27/2007 5:00	outlier removed	outlier removed	2.5	2.5
5/27/2007 6:00	2.1	1.6	7.0	7.0
5/27/2007 7:00	8.7	6.8	8.1	8.1
5/27/2007 8:00	3.1	2.1	5.7	5.7
5/27/2007 9:00	2.1	0.2	3.8	3.8
5/27/2007 10:00	1.7	outlier removed	3.5	3.5
5/27/2007 11:00	4.1	1.2	3.0	3.0
5/27/2007 12:00	4.3	1.4	3.1	3.1
5/27/2007 13:00	4.6	1.3	2.3	2.3
5/27/2007 14:00	2.8	outlier removed	2.5	2.5
5/27/2007 15:00	1.5	outlier removed	1.4	1.4
5/27/2007 16:00	1.7	outlier removed	1.2	1.2
5/27/2007 17:00	3.6	0.3	1.6	1.6

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/27/2007 18:00	2.8	outlier removed	2.0	2.0
5/27/2007 19:00	2.0	outlier removed	1.6	1.6
5/27/2007 20:00	6.7	2.7	1.6	1.6
5/27/2007 21:00	3.6	1.4	2.9	2.9
5/27/2007 22:00	14.8	11.2	3.5	3.5
5/27/2007 23:00	17.5	14.2	8.7	8.7
5/28/2007 0:00	16.9	14.4	19.8	19.6
5/28/2007 1:00	11.3	10.9	38.1	32.5
5/28/2007 2:00	51.0	31.1	40.9	29.1
5/28/2007 3:00	49.6	26.0	43.1	25.0
5/28/2007 4:00	80.5	25.7	43.3	28.5
5/28/2007 5:00	59.5	18.8	19.7	15.0
5/28/2007 6:00	76.0	18.9	17.5	11.7
5/28/2007 7:00	107.6	19.8	26.7	16.1
5/28/2007 8:00	76.6	20.2	31.7	16.9
5/28/2007 9:00	34.7	20.8	29.0	19.6
5/28/2007 10:00	30.5	20.5	46.6	29.5
5/28/2007 11:00	20.9	14.2	28.0	20.5
5/28/2007 12:00	6.8	4.6	16.5	13.4
5/28/2007 13:00	22.0	15.2	20.1	16.4
5/28/2007 14:00	17.7	12.1	14.8	12.6
5/28/2007 15:00	12.2	7.6	4.9	4.9
5/28/2007 16:00	10.7	6.4	4.1	4.1
5/28/2007 17:00	14.2	8.5	4.8	4.8
5/28/2007 18:00	15.6	10.6	4.8	4.8
5/28/2007 19:00	13.1	9.7	4.5	4.5
5/28/2007 20:00	4.7	3.7	25.9	22.0
5/28/2007 21:00	1.0	1.0	48.5	38.4
5/28/2007 22:00	1.8	1.8	52.9	43.7
5/28/2007 23:00	4.3	4.3	43.7	34.9
5/29/2007 0:00	7.7	7.7	40.6	32.3
5/29/2007 1:00	45.8	30.3	45.8	35.5
5/29/2007 2:00	13.5	12.8	50.2	33.3
5/29/2007 3:00	22.3	12.2	44.0	27.8
5/29/2007 4:00	7.7	6.8	45.6	32.3
5/29/2007 5:00	4.1	4.1	51.0	36.1
5/29/2007 6:00	9.0	6.7	43.6	32.3
5/29/2007 7:00	4.4	4.2	64.5	35.1
5/29/2007 8:00	11.2	9.4	43.0	28.6
5/29/2007 9:00	9.1	6.8	9.5	9.4
5/29/2007 10:00	5.4	3.8	4.4	4.4
5/29/2007 11:00	8.2	5.2	3.4	3.4
5/29/2007 12:00	12.5	8.2	3.8	3.8
5/29/2007 13:00	3.7	2.3	2.5	2.5
5/29/2007 14:00	9.0	5.9	2.9	2.9
5/29/2007 15:00	6.9	4.5	2.9	2.9
5/29/2007 16:00	7.4	5.2	2.1	2.1

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/29/2007 17:00	11.1	7.8	1.9	1.9
5/29/2007 18:00	8.5	5.8	1.7	1.7
5/29/2007 19:00	9.1	6.6	1.0	1.0
5/29/2007 20:00	3.8	3.3	3.6	3.6
5/29/2007 21:00	1.8	1.8	7.3	7.3
5/29/2007 22:00	3.5	3.5	30.3	25.3
5/29/2007 23:00	0.0	outlier removed	32.2	27.9
5/30/2007 0:00	0.8	0.8	23.5	21.2
5/30/2007 1:00	0.0	outlier removed	39.9	35.5
5/30/2007 2:00	3.3	3.3	40.9	31.1
5/30/2007 3:00	5.1	5.0	50.3	32.0
5/30/2007 4:00	3.0	3.0	37.6	25.4
5/30/2007 5:00	2.5	2.5	36.1	27.8
5/30/2007 6:00	3.4	3.4	55.4	32.2
5/30/2007 7:00	16.5	12.9	75.2	32.0
5/30/2007 8:00	36.4	16.1	61.3	22.1
5/30/2007 9:00	39.6	20.1	12.4	11.6
5/30/2007 10:00	27.6	15.3	9.8	9.6
5/30/2007 11:00	19.1	13.1	7.2	7.2
5/30/2007 12:00	21.7	15.3	6.6	6.6
5/30/2007 13:00	20.7	15.2	6.3	6.3
5/30/2007 14:00	15.2	11.9	5.3	5.3
5/30/2007 15:00	13.1	9.5	2.9	2.9
5/30/2007 16:00	16.3	12.4	4.2	4.2
5/30/2007 17:00	22.4	16.4	1.8	1.8
5/30/2007 18:00	16.3	13.6	1.6	1.6
5/30/2007 19:00	20.2	17.8	1.4	1.4
5/30/2007 20:00	17.9	15.8	1.9	1.9
5/30/2007 21:00	5.4	4.8	5.7	5.7
5/30/2007 22:00	0.3	0.3	50.3	42.5
5/30/2007 23:00	28.3	21.3	6.0	6.0
5/31/2007 0:00	50.2	36.3	20.8	19.6
5/31/2007 1:00	70.8	50.0	21.1	18.9
5/31/2007 2:00	50.4	35.0	10.1	9.9
5/31/2007 3:00	30.8	24.3	5.3	5.3
5/31/2007 4:00	15.0	14.1	31.7	21.9
5/31/2007 5:00	35.8	18.7	48.0	34.4
5/31/2007 6:00	57.3	36.5	34.2	30.5
5/31/2007 7:00	51.6	35.8	18.5	18.5
5/31/2007 8:00	53.2	32.2	15.0	15.1
5/31/2007 9:00	39.7	24.5	20.5	17.9
5/31/2007 10:00	35.9	22.3	12.6	12.1
5/31/2007 11:00	32.7	21.9	10.4	10.4
5/31/2007 12:00	23.6	16.6	5.9	5.9
5/31/2007 13:00	13.2	10.2	5.3	5.3
5/31/2007 14:00	21.5	15.8	3.6	3.6
5/31/2007 15:00	21.3	15.0	3.2	3.2

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
5/31/2007 16:00	19.5	14.8	2.7	2.7
5/31/2007 17:00	20.2	16.5	3.1	3.1
5/31/2007 18:00	24.3	20.3	3.5	3.5
5/31/2007 19:00	17.5	15.8	3.4	3.4
5/31/2007 20:00	13.7	12.8	1.6	1.6
5/31/2007 21:00	4.8	4.8	2.3	2.3
5/31/2007 22:00	7.8	7.8	2.9	2.9
5/31/2007 23:00	20.0	19.6	2.8	2.8
6/1/2007 0:00	37.1	35.8	2.0	2.0
6/1/2007 1:00	20.7	19.7	2.1	2.1
6/1/2007 2:00	23.5	22.6	3.5	3.5
6/1/2007 3:00	16.2	15.9	3.9	3.9
6/1/2007 4:00	26.0	22.0	5.0	5.0
6/1/2007 5:00	19.6	17.8	6.2	6.2
6/1/2007 6:00	32.2	22.8	10.5	10.5
6/1/2007 7:00	46.9	28.7	13.1	12.7
6/1/2007 8:00	53.6	27.5	12.8	12.8
6/1/2007 9:00	40.7	24.7	12.7	12.6
6/1/2007 10:00	17.3	14.0	9.2	9.2
6/1/2007 11:00	10.1	8.5	5.5	5.5
6/1/2007 12:00	5.9	4.8	3.5	3.5
6/1/2007 13:00	15.2	10.6	3.1	3.1
6/1/2007 14:00	11.3	8.2	2.6	2.6
6/1/2007 15:00	14.9	9.9	2.0	2.0
6/1/2007 16:00	12.1	8.4	2.1	2.1
6/1/2007 17:00	18.7	14.4	3.2	3.2
6/1/2007 18:00	21.0	17.4	3.6	3.6
6/1/2007 19:00	14.0	12.4	2.5	2.5
6/1/2007 20:00	9.9	9.2	1.5	1.5
6/1/2007 21:00	19.3	17.6	2.4	2.4
6/1/2007 22:00	14.0	13.1	6.0	6.0
6/1/2007 23:00	4.9	4.9	31.2	26.3
6/2/2007 0:00	12.3	12.0	34.4	30.0
6/2/2007 1:00	15.4	14.3	5.4	5.4
6/2/2007 2:00	12.7	11.2	5.7	5.7
6/2/2007 3:00	16.7	14.8	19.1	16.2
6/2/2007 4:00	13.2	10.0	7.7	7.7
6/2/2007 5:00	32.3	22.2	15.5	14.1
6/2/2007 6:00	32.2	15.3	20.6	14.3
6/2/2007 7:00	39.3	15.6	9.0	9.0
6/2/2007 8:00	26.5	11.2	11.3	9.9
6/2/2007 9:00	18.6	10.4	13.0	11.1
6/2/2007 10:00	23.8	12.5	14.6	12.0
6/2/2007 11:00	18.4	11.7	16.6	13.8
6/2/2007 12:00	11.1	7.6	6.7	6.7
6/2/2007 13:00	16.1	11.7	4.4	4.4
6/2/2007 14:00	2.3	1.1	1.7	1.7

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/2/2007 15:00	4.4	2.8	1.6	1.6
6/2/2007 16:00	2.0	0.8	1.8	1.8
6/2/2007 17:00	1.0	0.4	1.5	1.5
6/2/2007 18:00	8.9	7.0	8.4	8.4
6/2/2007 19:00	7.4	6.6	9.5	9.5
6/2/2007 20:00	11.0	9.3	29.3	26.5
6/2/2007 21:00	16.3	12.9	9.0	9.0
6/2/2007 22:00	5.3	5.1	19.9	15.7
6/2/2007 23:00	16.5	13.6	35.9	24.0
6/3/2007 0:00	35.4	22.2	35.6	25.8
6/3/2007 1:00	23.8	18.3	43.9	25.0
6/3/2007 2:00	35.9	15.3	23.3	19.6
6/3/2007 3:00	21.9	14.4	25.2	21.8
6/3/2007 4:00	8.5	7.9	11.2	11.2
6/3/2007 5:00	1.3	1.3	4.7	4.7
6/3/2007 6:00	3.1	1.7	4.0	4.0
6/3/2007 7:00	3.0	1.7	4.3	4.3
6/3/2007 8:00	4.7	2.5	4.2	4.2
6/3/2007 9:00	3.4	1.6	12.8	8.9
6/3/2007 10:00	2.3	1.1	18.4	11.6
6/3/2007 11:00	1.5	0.4	16.8	11.2
6/3/2007 12:00	<b>outlier removed</b>	<b>outlier removed</b>	9.2	7.7
6/3/2007 13:00	<b>outlier removed</b>	<b>outlier removed</b>	7.0	7.0
6/3/2007 14:00	4.5	3.2	1.3	1.3
6/3/2007 15:00	11.9	9.9	1.2	1.2
6/3/2007 16:00	3.3	2.3	6.2	6.2
6/3/2007 17:00	<b>outlier removed</b>	<b>outlier removed</b>	20.3	15.4
6/3/2007 18:00	<b>outlier removed</b>	<b>outlier removed</b>	20.2	14.7
6/3/2007 19:00	0.5	0.5	24.4	19.5
6/3/2007 20:00	1.2	0.8	29.6	22.2
6/3/2007 21:00	8.7	8.1	26.4	23.4
6/3/2007 22:00	6.3	4.6	11.4	11.4
6/3/2007 23:00	2.8	2.8	4.8	4.8
6/4/2007 0:00	0.1		0.4	0.4
6/4/2007 1:00	2.5	2.1	0.2	0.2
6/4/2007 2:00	2.3	1.8	1.2	1.2
6/4/2007 3:00	5.7	2.4	31.2	22.8
6/4/2007 4:00	4.1	1.8	16.3	14.5
6/4/2007 5:00	<b>outlier removed</b>	<b>outlier removed</b>	1.7	1.7
6/4/2007 6:00	<b>outlier removed</b>	<b>outlier removed</b>	1.8	1.8
6/4/2007 7:00	12.5	5.6	2.7	2.7
6/4/2007 8:00	32.5	14.9	4.8	4.8
6/4/2007 9:00	33.0	15.7	10.0	10.0
6/4/2007 10:00	19.1	8.5	9.2	8.6
6/4/2007 11:00	16.4	7.8	5.9	5.9
6/4/2007 12:00	13.4	5.8	3.8	3.8
6/4/2007 13:00	11.2	4.6	2.6	2.6

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/4/2007 14:00	12.0	5.4	3.7	3.7
6/4/2007 15:00	17.5	8.2	3.6	3.6
6/4/2007 16:00	17.6	8.8	2.5	2.5
6/4/2007 17:00	28.1	16.5	outlier removed	outlier removed
6/4/2007 18:00	27.4	13.8	outlier removed	outlier removed
6/4/2007 19:00	21.1	10.2	outlier removed	outlier removed
6/4/2007 20:00	32.5	18.1	outlier removed	outlier removed
6/4/2007 21:00	26.0	14.2	outlier removed	outlier removed
6/4/2007 22:00	37.9	22.5	outlier removed	outlier removed
6/4/2007 23:00	30.7	18.5	outlier removed	outlier removed
6/5/2007 0:00	28.0	16.5	outlier removed	outlier removed
6/5/2007 1:00	9.7	5.2	outlier removed	outlier removed
6/5/2007 2:00	9.5	4.5	outlier removed	outlier removed
6/5/2007 3:00	6.1	2.2	outlier removed	outlier removed
6/5/2007 4:00	outlier removed	outlier removed	outlier removed	outlier removed
6/5/2007 5:00	3.5	0.8	outlier removed	outlier removed
6/5/2007 6:00	8.2	4.3	outlier removed	outlier removed
6/5/2007 7:00	7.5	3.7	outlier removed	outlier removed
6/5/2007 8:00	11.3	6.0	outlier removed	outlier removed
6/5/2007 9:00	9.0	4.3	outlier removed	outlier removed
6/5/2007 10:00	5.1	3.1	outlier removed	outlier removed
6/5/2007 11:00	5.2	2.1	outlier removed	outlier removed
6/5/2007 12:00	13.8	5.0	outlier removed	outlier removed
6/5/2007 13:00	21.4	7.9	outlier removed	outlier removed
6/5/2007 14:00	12.6	5.5	outlier removed	outlier removed
6/5/2007 15:00	13.7	4.6	outlier removed	outlier removed
6/5/2007 16:00	33.5	14.7	19.9	13.5
6/5/2007 17:00	45.7	20.3	35.9	19.4
6/5/2007 18:00	17.8	9.5	32.1	16.1
6/5/2007 19:00	20.6	10.0	33.5	16.2
6/5/2007 20:00	25.2	12.6	27.1	17.4
6/5/2007 21:00	2.3	1.9	46.0	23.3
6/5/2007 22:00	1.8	1.7	59.8	23.5
6/5/2007 23:00	1.8	1.8	48.8	23.7
6/6/2007 0:00	11.9	6.9	32.4	20.1
6/6/2007 1:00	5.2	4.8	32.2	17.8
6/6/2007 2:00	0.7	0.7	11.0	7.2
6/6/2007 3:00	3.0	1.4	22.2	13.0
6/6/2007 4:00	15.0	5.6	46.5	16.3
6/6/2007 5:00	63.2	11.9	35.1	13.7
6/6/2007 6:00	86.3	12.7	66.3	16.9
6/6/2007 7:00	83.0	11.5	84.7	17.7
6/6/2007 8:00	86.5	17.6	97.4	23.6
6/6/2007 9:00	33.4	14.8	65.2	22.5
6/6/2007 10:00	36.0	15.5	45.6	19.8
6/6/2007 11:00	20.3	9.0	21.3	10.8
6/6/2007 12:00	20.7	9.1	18.2	9.7

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/6/2007 13:00	17.6	7.4	12.1	8.8
6/6/2007 14:00	outlier removed	outlier removed	5.4	5.2
6/6/2007 15:00	16.5	10.6	outlier removed	outlier removed
6/6/2007 16:00	15.9	10.2	2.0	2.0
6/6/2007 17:00	24.4	15.0	1.6	1.6
6/6/2007 18:00	27.8	16.7	2.4	2.4
6/6/2007 19:00	23.2	15.6	1.5	1.5
6/6/2007 20:00	13.6	10.9	0.9	0.9
6/6/2007 21:00	8.9	8.9	1.9	1.9
6/6/2007 22:00	9.9	9.9	3.0	3.0
6/6/2007 23:00	7.8	7.8	3.4	3.4
6/7/2007 0:00	4.5	4.5	8.5	8.5
6/7/2007 1:00	3.5	3.5	5.6	5.6
6/7/2007 2:00	6.1	6.1	2.7	2.7
6/7/2007 3:00	5.7	5.7	14.3	13.0
6/7/2007 4:00	10.2	10.2	4.1	4.1
6/7/2007 5:00	20.3	18.8	4.5	4.5
6/7/2007 6:00	27.8	24.5	3.2	3.2
6/7/2007 7:00	28.9	24.0	2.8	2.8
6/7/2007 8:00	28.5	20.7	3.6	3.6
6/7/2007 9:00	20.2	13.6	3.1	3.1
6/7/2007 10:00	18.2	12.2	3.3	3.3
6/7/2007 11:00	15.0	10.3	2.6	2.6
6/7/2007 12:00	13.4	9.7	1.8	1.8
6/7/2007 13:00	14.8	11.0	1.6	1.6
6/7/2007 14:00	15.2	11.8	1.2	1.2
6/7/2007 15:00	14.9	11.8	1.1	1.1
6/7/2007 16:00	13.9	10.9	1.6	1.6
6/7/2007 17:00	15.3	12.4	1.0	1.0
6/7/2007 18:00	16.5	13.7	0.6	0.6
6/7/2007 19:00	16.5	13.5	0.6	0.6
6/7/2007 20:00	14.6	12.4	0.5	0.5
6/7/2007 21:00	14.6	13.1	0.6	0.6
6/7/2007 22:00	14.7	13.3	1.0	1.0
6/7/2007 23:00	14.7	12.9	1.5	1.5
6/8/2007 0:00	13.0	11.6	1.6	1.6
6/8/2007 1:00	9.3	8.3	1.4	1.4
6/8/2007 2:00	10.0	9.1	3.0	3.0
6/8/2007 3:00	11.4	10.1	5.3	5.3
6/8/2007 4:00	8.5	7.3	3.7	3.7
6/8/2007 5:00	10.3	8.9	3.2	3.2
6/8/2007 6:00	10.5	8.8	3.1	3.1
6/8/2007 7:00	21.8	16.4	4.3	4.3
6/8/2007 8:00	23.8	15.2	4.4	4.4
6/8/2007 9:00	25.1	14.3	4.1	4.1
6/8/2007 10:00	21.7	13.6	4.5	4.5
6/8/2007 11:00	14.6	8.9	3.6	3.6

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/8/2007 12:00	13.9	8.9	1.3	1.3
6/8/2007 13:00	12.2	7.8	1.1	1.1
6/8/2007 14:00	14.5	9.4	1.1	1.1
6/8/2007 15:00	21.9	17.1	2.2	2.2
6/8/2007 16:00	16.1	12.3	2.0	2.0
6/8/2007 17:00	19.3	13.1	3.9	3.9
6/8/2007 18:00	18.1	12.3	4.4	4.4
6/8/2007 19:00	20.6	14.1	4.2	4.2
6/8/2007 20:00	16.2	12.3	11.1	10.0
6/8/2007 21:00	14.6	11.6	15.5	11.7
6/8/2007 22:00	26.3	20.5	23.4	17.4
6/8/2007 23:00	16.6	15.0	25.2	17.3
6/9/2007 0:00	6.0	6.0	29.7	18.3
6/9/2007 1:00	15.5	14.1	21.0	15.9
6/9/2007 2:00	12.2	12.2	29.5	17.1
6/9/2007 3:00	9.4	9.4	19.2	13.2
6/9/2007 4:00	12.9	12.9	21.5	17.0
6/9/2007 5:00	13.7	13.7	20.2	14.4
6/9/2007 6:00	13.1	12.8	26.9	16.3
6/9/2007 7:00	24.1	15.3	31.0	16.1
6/9/2007 8:00	17.3	12.3	22.5	12.1
6/9/2007 9:00	10.2	7.5	19.7	10.4
6/9/2007 10:00	11.5	8.1	22.3	11.9
6/9/2007 11:00	4.2	3.4	11.8	6.0
6/9/2007 12:00	2.7	2.2	10.8	5.2
6/9/2007 13:00	0.7	0.7	8.4	3.8
6/9/2007 14:00	1.3	1.3	5.7	4.2
6/9/2007 15:00	3.0	2.8	8.2	6.2
6/9/2007 16:00	2.5	2.5	8.7	7.0
6/9/2007 17:00	3.7	3.0	1.4	1.4
6/9/2007 18:00	7.4	5.4	0.0	
6/9/2007 19:00	8.4	6.1	0.0	
6/9/2007 20:00	7.6	6.1	0.0	
6/9/2007 21:00	9.4	8.5	0.6	0.6
6/9/2007 22:00	9.5	9.4	1.8	1.8
6/9/2007 23:00	16.6	15.0	3.4	3.4
6/10/2007 0:00	15.7	15.4	18.8	17.4
6/10/2007 1:00	24.3	20.4	46.9	28.4
6/10/2007 2:00	32.8	24.1	39.4	23.7
6/10/2007 3:00	24.6	18.6	31.4	19.0
6/10/2007 4:00	35.4	20.2	31.7	18.3
6/10/2007 5:00	46.7	20.2	36.6	17.7
6/10/2007 6:00	44.3	17.4	46.2	15.6
6/10/2007 7:00	50.4	13.8	23.5	12.1
6/10/2007 8:00	48.4	14.4	14.7	10.0
6/10/2007 9:00	34.5	20.9	12.5	11.2
6/10/2007 10:00	24.0	17.4	12.4	11.2



# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/10/2007 11:00	15.7	10.7	2.1	2.1
6/10/2007 12:00	10.3	7.9	2.3	2.3
6/10/2007 13:00	8.1	6.5	3.6	3.6
6/10/2007 14:00	6.8	5.7	1.8	1.8
6/10/2007 15:00	8.5	6.8	1.3	1.3
6/10/2007 16:00	10.2	8.0	0.7	0.7
6/10/2007 17:00	11.6	9.2	1.0	1.0
6/10/2007 18:00	14.2	11.2	0.5	0.5
6/10/2007 19:00	12.7	9.6	0.8	0.8
6/10/2007 20:00	14.3	12.5	0.0	
6/10/2007 21:00	15.5	14.3	0.0	
6/10/2007 22:00	15.3	14.6	0.2	0.2
6/10/2007 23:00	47.1	35.7	2.2	2.2
6/11/2007 0:00	56.2	37.4	9.4	9.4
6/11/2007 1:00	27.4	19.3	53.9	35.8
6/11/2007 2:00	48.3	30.4	52.5	32.2
6/11/2007 3:00	32.6	20.8	49.6	28.3
6/11/2007 4:00	43.6	21.0	50.9	24.4
6/11/2007 5:00	92.7	28.8	41.7	24.6
6/11/2007 6:00	76.8	24.8	65.5	22.0
6/11/2007 7:00	115.5	25.1	64.3	17.6
6/11/2007 8:00	161.5	24.6	84.6	20.6
6/11/2007 9:00	101.6	40.1	77.7	40.0
6/11/2007 10:00	100.1	55.1	82.1	50.1
6/11/2007 11:00	42.6	30.9	35.4	27.9
6/11/2007 12:00	28.3	22.5	23.5	19.7
6/11/2007 13:00	15.4	13.6	26.5	21.1
6/11/2007 14:00	5.8	5.7	23.3	17.3
6/11/2007 15:00	5.5	5.5	22.8	17.6
6/11/2007 16:00	6.6	6.6	21.8	17.0
6/11/2007 17:00	6.1	6.1	37.1	26.9
6/11/2007 18:00	5.7	5.7	23.5	18.6
6/11/2007 19:00	3.3	3.3	29.5	18.0
6/11/2007 20:00	2.8	2.8	30.0	18.2
6/11/2007 21:00	5.3	5.3	45.1	27.5
6/11/2007 22:00	32.5	32.3	56.1	39.0
6/11/2007 23:00	23.1	23.1	51.8	33.6
6/12/2007 0:00	28.9	28.9	46.1	32.1
6/12/2007 1:00	19.2	19.2	33.1	25.2
6/12/2007 2:00	8.8	8.8	33.4	22.4
6/12/2007 3:00	10.4	10.4	27.5	19.6
6/12/2007 4:00	11.5	11.5	27.1	19.0
6/12/2007 5:00	11.9	11.9	27.8	19.8
6/12/2007 6:00	65.7	31.4	44.0	25.3
6/12/2007 7:00	53.8	23.8	67.0	30.8
6/12/2007 8:00	21.6	17.7	52.6	27.7
6/12/2007 9:00	23.0	17.6	54.7	25.0

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/12/2007 10:00	20.4	15.4	41.9	22.0
6/12/2007 11:00	15.0	11.6	35.3	19.1
6/12/2007 12:00	6.3	5.4	24.6	12.7
6/12/2007 13:00	4.2	3.9	26.2	14.2
6/12/2007 14:00	2.8	2.8	23.9	11.9
6/12/2007 15:00	1.9	1.9	27.8	11.0
6/12/2007 16:00	1.9	1.9	25.9	11.9
6/12/2007 17:00	1.5	1.5	30.1	11.3
6/12/2007 18:00	1.7	1.7	27.9	12.4
6/12/2007 19:00	2.7	2.7	26.4	10.9
6/12/2007 20:00	2.7	2.7	29.5	14.8
6/12/2007 21:00	4.2	4.2	39.9	18.6
6/12/2007 22:00	7.1	7.1	74.2	35.3
6/12/2007 23:00	13.6	12.7	76.8	33.4
6/13/2007 0:00	6.9	6.9	38.0	22.7
6/13/2007 1:00	6.2	6.2	23.8	16.2
6/13/2007 2:00	8.2	8.2	22.6	16.7
6/13/2007 3:00	10.1	10.1	26.0	17.9
6/13/2007 4:00	8.2	8.2	11.4	9.1
6/13/2007 5:00	7.8	7.8	11.1	8.8
6/13/2007 6:00	9.3	9.3	21.3	15.1
6/13/2007 7:00	11.6	11.6	27.2	17.3
6/13/2007 8:00	14.8	13.1	28.2	16.6
6/13/2007 9:00	18.0	14.6	43.8	22.7
6/13/2007 10:00	15.6	12.5	29.8	16.4
6/13/2007 11:00	9.8	8.2	35.0	18.0
6/13/2007 12:00	5.5	5.1	34.0	17.6
6/13/2007 13:00	4.5	4.2	30.6	18.6
6/13/2007 14:00	5.4	5.1	28.0	17.1
6/13/2007 15:00	2.9	2.9	43.5	23.9
6/13/2007 16:00	2.4	2.4	28.1	14.5
6/13/2007 17:00	1.8	1.8	33.0	14.3
6/13/2007 18:00	4.1	3.9	37.0	16.9
6/13/2007 19:00	6.3	6.2	31.8	19.5
6/13/2007 20:00	3.2	3.2	28.8	14.6
6/13/2007 21:00	3.1	3.1	34.0	16.4
6/13/2007 22:00	5.0	5.0	46.9	24.4
6/13/2007 23:00	7.9	7.9	61.1	29.1
6/14/2007 0:00	12.7	12.7	35.8	22.6
6/14/2007 1:00	15.3	15.3	39.1	25.5
6/14/2007 2:00	10.7	10.7	34.3	24.5
6/14/2007 3:00	22.0	17.7	40.0	24.9
6/14/2007 4:00	25.5	18.5	51.7	28.5
6/14/2007 5:00	16.6	16.6	29.4	20.4
6/14/2007 6:00	15.8	15.8	40.3	24.8
6/14/2007 7:00	17.0	16.4	60.8	27.4
6/14/2007 8:00	23.9	18.6	62.0	26.4

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/14/2007 9:00	13.1	10.7	36.6	18.5
6/14/2007 10:00	7.3	6.3	30.6	18.1
6/14/2007 11:00	5.8	4.9	18.4	12.7
6/14/2007 12:00	3.1	2.9	13.2	9.0
6/14/2007 13:00	2.8	2.8	17.6	10.6
6/14/2007 14:00	3.1	2.9	24.0	14.8
6/14/2007 15:00	2.5	2.5	22.8	12.7
6/14/2007 16:00	2.2	2.2	21.4	12.5
6/14/2007 17:00	3.2	3.0	19.9	12.8
6/14/2007 18:00	4.1	3.9	6.4	6.0
6/14/2007 19:00	2.8	2.8	11.0	10.0
6/14/2007 20:00	1.8	1.8	17.7	16.0
6/14/2007 21:00	2.1	2.1	17.9	17.3
6/14/2007 22:00	9.1	8.0	35.7	25.7
6/14/2007 23:00	7.4	7.4	23.6	21.8
6/15/2007 0:00	5.3	5.3	35.2	26.4
6/15/2007 1:00	6.0	6.0	30.4	26.1
6/15/2007 2:00	3.3	3.3	24.0	23.5
6/15/2007 3:00	3.5	3.5	29.0	26.1
6/15/2007 4:00	5.2	5.2	32.0	24.7
6/15/2007 5:00	8.7	7.6	28.5	20.9
6/15/2007 6:00	23.8	13.5	36.4	22.5
6/15/2007 7:00	12.2	11.4	43.6	22.7
6/15/2007 8:00	18.6	13.0	52.8	26.6
6/15/2007 9:00	13.7	10.6	37.2	16.0
6/15/2007 10:00	7.7	5.8	27.0	13.1
6/15/2007 11:00	12.7	8.8	27.7	15.0
6/15/2007 12:00	8.7	7.0	22.8	12.7
6/15/2007 13:00	3.4	3.2	22.1	13.2
6/15/2007 14:00	6.9	5.9	28.2	17.5
6/15/2007 15:00	8.3	6.9	28.3	16.9
6/15/2007 16:00	3.3	3.0	20.8	12.4
6/15/2007 17:00	2.9	2.9	17.7	12.8
6/15/2007 18:00	2.4	2.4	11.3	10.0
6/15/2007 19:00	2.1	2.1	9.2	8.7
6/15/2007 20:00	0.8	0.8	9.0	8.4
6/15/2007 21:00	0.9	0.9	11.3	11.1
6/15/2007 22:00	5.1	5.0	1.1	1.1
6/15/2007 23:00	24.8	19.8	6.7	6.7
6/16/2007 0:00	59.6	31.2	41.9	21.6
6/16/2007 1:00	72.4	36.1	112.0	35.9
6/16/2007 2:00	101.8	34.2	112.4	33.8
6/16/2007 3:00	91.2	32.1	97.7	31.2
6/16/2007 4:00	62.7	30.6	67.3	26.9
6/16/2007 5:00	77.5	26.9	67.4	26.6
6/16/2007 6:00	101.3	27.4	78.4	24.5
6/16/2007 7:00	42.2	20.7	82.4	21.5

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/16/2007 8:00	80.0	24.6	67.2	20.6
6/16/2007 9:00	29.9	17.0	22.5	14.2
6/16/2007 10:00	16.5	12.0	4.8	4.8
6/16/2007 11:00	23.3	17.0	6.8	6.8
6/16/2007 12:00	15.1	12.0	1.5	1.5
6/16/2007 13:00	8.5	6.3	0.6	0.6
6/16/2007 14:00	9.5	7.5	0.1	0.1
6/16/2007 15:00	12.3	9.9	1.5	1.5
6/16/2007 16:00	8.1	7.0	1.3	1.3
6/16/2007 17:00	8.7	7.8	0.7	0.7
6/16/2007 18:00	10.3	9.4	0.7	0.7
6/16/2007 19:00	11.7	10.6	1.9	1.9
6/16/2007 20:00	8.6	8.5	1.2	1.2
6/16/2007 21:00	13.1	12.7	0.8	0.8
6/16/2007 22:00	18.0	17.8	1.9	1.9
6/16/2007 23:00	22.6	21.4	3.8	3.8
6/17/2007 0:00	22.6	22.6	2.7	2.7
6/17/2007 1:00	13.1	13.1	2.5	2.5
6/17/2007 2:00	25.7	24.3	2.9	2.9
6/17/2007 3:00	24.2	23.5	4.6	4.6
6/17/2007 4:00	15.5	15.5	12.4	12.4
6/17/2007 5:00	21.0	19.9	15.5	15.4
6/17/2007 6:00	21.9	21.1	27.3	25.2
6/17/2007 7:00	21.4	19.8	19.7	19.6
6/17/2007 8:00	17.7	16.0	21.0	19.9
6/17/2007 9:00	6.6	6.6	11.8	10.6
6/17/2007 10:00	3.5	3.5	8.2	7.5
6/17/2007 11:00	4.2	4.0	5.2	5.2
6/17/2007 12:00	5.0	4.6	7.6	7.2
6/17/2007 13:00	9.9	8.3	5.3	5.3
6/17/2007 14:00	6.7	5.7	4.3	4.3
6/17/2007 15:00	0.3	0.3	5.6	5.6
6/17/2007 16:00	outlier removed	outlier removed	6.5	6.5
6/17/2007 17:00	outlier removed	outlier removed	7.4	7.4
6/17/2007 18:00	outlier removed	outlier removed	1.3	1.3
6/17/2007 19:00	outlier removed	outlier removed	0.5	0.5
6/17/2007 20:00	outlier removed	outlier removed	0.1	0.1
6/17/2007 21:00	outlier removed	outlier removed	4.5	4.5
6/17/2007 22:00	outlier removed	outlier removed	13.3	10.2
6/17/2007 23:00	outlier removed	outlier removed	19.2	12.9
6/18/2007 0:00	outlier removed	outlier removed	20.8	15.6
6/18/2007 1:00	outlier removed	outlier removed	18.8	15.9
6/18/2007 2:00	outlier removed	outlier removed	19.4	19.4
6/18/2007 3:00	outlier removed	outlier removed	19.7	19.7
6/18/2007 4:00	outlier removed	outlier removed	15.9	15.9
6/18/2007 5:00	outlier removed	outlier removed	10.2	10.2
6/18/2007 6:00	outlier removed	outlier removed	2.3	2.3

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
	NO <sub>x</sub>	NO <sub>2</sub>	NO <sub>x</sub>	NO <sub>2</sub>
6/18/2007 7:00	outlier removed	outlier removed	5.5	5.5
6/18/2007 8:00	outlier removed	outlier removed	8.3	8.3
6/18/2007 9:00	outlier removed	outlier removed	5.8	5.8
6/18/2007 10:00	outlier removed	outlier removed	4.1	4.1
6/18/2007 11:00	outlier removed	outlier removed	7.4	7.4
6/18/2007 12:00	outlier removed	outlier removed	8.5	8.5
6/18/2007 13:00	outlier removed	outlier removed	9.2	9.2
6/18/2007 14:00	outlier removed	outlier removed	4.7	4.7
6/18/2007 15:00	outlier removed	outlier removed	6.1	6.1
6/18/2007 16:00	outlier removed	outlier removed	3.0	3.0
6/18/2007 17:00	outlier removed	outlier removed	1.0	1.0
6/18/2007 18:00	outlier removed	outlier removed	0.6	0.6
6/18/2007 19:00	outlier removed	outlier removed	0.1	0.1
6/18/2007 20:00	outlier removed	outlier removed	0.1	0.1
6/18/2007 21:00	outlier removed	outlier removed	0.7	0.7
6/18/2007 22:00	outlier removed	outlier removed	2.3	2.3
6/18/2007 23:00	outlier removed	outlier removed	3.4	3.4
6/19/2007 0:00	outlier removed	outlier removed	3.6	3.6
6/19/2007 1:00	outlier removed	outlier removed	3.6	3.6
6/19/2007 2:00	outlier removed	outlier removed	5.1	5.1
6/19/2007 3:00	outlier removed	outlier removed	1.4	1.4
6/19/2007 4:00	outlier removed	outlier removed	2.0	2.0
6/19/2007 5:00	outlier removed	outlier removed	4.3	4.3
6/19/2007 6:00	outlier removed	outlier removed	5.2	5.2
6/19/2007 7:00	outlier removed	outlier removed	6.1	6.1
6/19/2007 8:00	outlier removed	outlier removed	4.3	4.3
6/19/2007 9:00	outlier removed	outlier removed	4.8	4.8
6/19/2007 10:00	outlier removed	outlier removed	7.2	7.2
6/19/2007 11:00	outlier removed	outlier removed	3.8	3.8
6/19/2007 12:00	outlier removed	outlier removed	2.7	2.7
6/19/2007 13:00	outlier removed	outlier removed	3.0	3.0
6/19/2007 14:00	outlier removed	outlier removed	4.9	4.9
6/19/2007 15:00	outlier removed	outlier removed	4.7	4.7
6/19/2007 16:00	outlier removed	outlier removed	1.9	1.9
6/19/2007 17:00	outlier removed	outlier removed	1.7	1.7
6/19/2007 18:00	outlier removed	outlier removed	1.4	1.4
6/19/2007 19:00	outlier removed	outlier removed	6.0	5.7
6/19/2007 20:00	outlier removed	outlier removed	11.3	9.8
6/19/2007 21:00	outlier removed	outlier removed	8.5	8.5
6/19/2007 22:00	outlier removed	outlier removed	17.4	17.4
6/19/2007 23:00	outlier removed	outlier removed	22.6	20.6
6/20/2007 0:00	outlier removed	outlier removed	22.8	21.4
6/20/2007 1:00	outlier removed	outlier removed	25.9	24.8
6/20/2007 2:00	outlier removed	outlier removed	36.6	30.1
6/20/2007 3:00	outlier removed	outlier removed	20.7	20.8
6/20/2007 4:00	outlier removed	outlier removed	39.6	23.2
6/20/2007 5:00	outlier removed	outlier removed	41.8	24.7

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
	NO <sub>x</sub>	NO <sub>2</sub>	NO <sub>x</sub>	NO <sub>2</sub>
6/20/2007 6:00	outlier removed	outlier removed	55.8	25.4
6/20/2007 7:00	outlier removed	outlier removed	42.4	24.0
6/20/2007 8:00	outlier removed	outlier removed	41.1	23.2
6/20/2007 9:00	outlier removed	outlier removed	50.5	24.8
6/20/2007 10:00	outlier removed	outlier removed	33.0	16.3
6/20/2007 11:00	outlier removed	outlier removed	18.1	10.2
6/20/2007 12:00	outlier removed	outlier removed	13.8	7.7
6/20/2007 13:00	outlier removed	outlier removed	9.6	6.0
6/20/2007 14:00	outlier removed	outlier removed	12.7	8.1
6/20/2007 15:00	outlier removed	outlier removed	13.2	10.0
6/20/2007 16:00	outlier removed	outlier removed	5.2	5.3
6/20/2007 17:00	outlier removed	outlier removed	3.0	3.0
6/20/2007 18:00	outlier removed	outlier removed	7.4	6.6
6/20/2007 19:00	outlier removed	outlier removed	9.2	8.9
6/20/2007 20:00	outlier removed	outlier removed	3.2	3.2
6/20/2007 21:00	outlier removed	outlier removed	1.3	1.3
6/20/2007 22:00	outlier removed	outlier removed	2.9	2.9
6/20/2007 23:00	outlier removed	outlier removed	9.3	9.3
6/21/2007 0:00	outlier removed	outlier removed	11.6	11.6
6/21/2007 1:00	outlier removed	outlier removed	12.3	12.3
6/21/2007 2:00	outlier removed	outlier removed	10.5	10.5
6/21/2007 3:00	outlier removed	outlier removed	9.8	9.8
6/21/2007 4:00	outlier removed	outlier removed	8.8	8.8
6/21/2007 5:00	outlier removed	outlier removed	12.3	12.3
6/21/2007 6:00	outlier removed	outlier removed	3.8	3.8
6/21/2007 7:00	outlier removed	outlier removed	4.7	4.7
6/21/2007 8:00	outlier removed	outlier removed	8.3	8.3
6/21/2007 9:00	outlier removed	outlier removed	11.0	10.9
6/21/2007 10:00	outlier removed	outlier removed	14.5	12.8
6/21/2007 11:00	outlier removed	outlier removed	5.0	5.0
6/21/2007 12:00	outlier removed	outlier removed	16.1	13.2
6/21/2007 13:00	outlier removed	outlier removed	16.2	12.7
6/21/2007 14:00	outlier removed	outlier removed	22.2	16.8
6/21/2007 15:00	outlier removed	outlier removed	18.1	14.3
6/21/2007 16:00	outlier removed	outlier removed	10.1	8.5
6/21/2007 17:00	outlier removed	outlier removed	12.6	8.4
6/21/2007 18:00	outlier removed	outlier removed	14.1	9.6
6/21/2007 19:00	outlier removed	outlier removed	16.0	11.6
6/21/2007 20:00	outlier removed	outlier removed	16.8	13.8
6/21/2007 21:00	outlier removed	outlier removed	35.4	21.4
6/21/2007 22:00	outlier removed	outlier removed	53.4	24.7
6/21/2007 23:00	outlier removed	outlier removed	53.6	24.0
6/22/2007 0:00	outlier removed	outlier removed	37.9	21.7
6/22/2007 1:00	outlier removed	outlier removed	27.4	17.3
6/22/2007 2:00	outlier removed	outlier removed	39.2	26.2
6/22/2007 3:00	outlier removed	outlier removed	81.9	27.4
6/22/2007 4:00	outlier removed	outlier removed	78.4	25.1

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/22/2007 5:00	outlier removed	outlier removed	81.5	24.5
6/22/2007 6:00	outlier removed	outlier removed	81.9	24.1
6/22/2007 7:00	outlier removed	outlier removed	65.8	23.3
6/22/2007 8:00	outlier removed	outlier removed	34.7	15.1
6/22/2007 9:00	outlier removed	outlier removed	30.2	10.9
6/22/2007 10:00	outlier removed	outlier removed	29.3	9.7
6/22/2007 11:00	outlier removed	outlier removed	23.4	9.2
6/22/2007 12:00	outlier removed	outlier removed	12.2	5.3
6/22/2007 13:00	outlier removed	outlier removed	10.6	5.5
6/22/2007 14:00	outlier removed	outlier removed	21.7	11.2
6/22/2007 15:00	outlier removed	outlier removed	19.9	10.5
6/22/2007 16:00	outlier removed	outlier removed	19.1	10.8
6/22/2007 17:00	outlier removed	outlier removed	20.7	11.4
6/22/2007 18:00	outlier removed	outlier removed	18.9	11.2
6/22/2007 19:00	outlier removed	outlier removed	16.5	9.7
6/22/2007 20:00	outlier removed	outlier removed	19.1	9.9
6/22/2007 21:00	outlier removed	outlier removed	27.3	16.0
6/22/2007 22:00	outlier removed	outlier removed	36.1	19.0
6/22/2007 23:00	outlier removed	outlier removed	38.0	25.4
6/23/2007 0:00	outlier removed	outlier removed	45.6	29.5
6/23/2007 1:00	outlier removed	outlier removed	37.2	25.2
6/23/2007 2:00	outlier removed	outlier removed	32.4	20.1
6/23/2007 3:00	outlier removed	outlier removed	33.6	18.3
6/23/2007 4:00	outlier removed	outlier removed	25.4	16.0
6/23/2007 5:00	outlier removed	outlier removed	39.8	18.3
6/23/2007 6:00	outlier removed	outlier removed	24.2	13.6
6/23/2007 7:00	outlier removed	outlier removed	13.1	10.6
6/23/2007 8:00	outlier removed	outlier removed	5.3	4.5
6/23/2007 9:00	outlier removed	outlier removed	7.2	4.8
6/23/2007 10:00	outlier removed	outlier removed	1.1	1.1
6/23/2007 11:00	outlier removed	outlier removed	0.7	0.7
6/23/2007 12:00	outlier removed	outlier removed	3.1	2.6
6/23/2007 13:00	outlier removed	outlier removed	1.2	1.2
6/23/2007 14:00	outlier removed	outlier removed	0.5	0.5
6/23/2007 15:00	outlier removed	outlier removed	outlier removed	outlier removed
6/23/2007 16:00	outlier removed	outlier removed	outlier removed	outlier removed
6/23/2007 17:00	outlier removed	outlier removed	outlier removed	outlier removed
6/23/2007 18:00	outlier removed	outlier removed	outlier removed	outlier removed
6/23/2007 19:00	outlier removed	outlier removed	outlier removed	outlier removed
6/23/2007 20:00	outlier removed	outlier removed	outlier removed	outlier removed
6/23/2007 21:00	outlier removed	outlier removed	outlier removed	outlier removed
6/23/2007 22:00	outlier removed	outlier removed	0.2	0.2
6/23/2007 23:00	outlier removed	outlier removed	21.2	12.5
6/24/2007 0:00	outlier removed	outlier removed	62.5	22.0
6/24/2007 1:00	outlier removed	outlier removed	69.2	23.1
6/24/2007 2:00	outlier removed	outlier removed	64.7	20.3
6/24/2007 3:00	outlier removed	outlier removed	28.8	17.7

# Appendix A1

## Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/24/2007 4:00	outlier removed	outlier removed	30.6	15.9
6/24/2007 5:00	outlier removed	outlier removed	25.3	16.9
6/24/2007 6:00	outlier removed	outlier removed	30.4	18.8
6/24/2007 7:00	outlier removed	outlier removed	29.7	16.6
6/24/2007 8:00	outlier removed	outlier removed	21.0	14.0
6/24/2007 9:00	outlier removed	outlier removed	3.2	3.2
6/24/2007 10:00	outlier removed	outlier removed	1.6	1.6
6/24/2007 11:00	outlier removed	outlier removed	1.2	1.2
6/24/2007 12:00	outlier removed	outlier removed	0.3	0.3
6/24/2007 13:00	outlier removed	outlier removed	0.1	0.1
6/24/2007 14:00	outlier removed	outlier removed	outlier removed	outlier removed
6/24/2007 15:00	outlier removed	outlier removed	0.3	0.3
6/24/2007 16:00	outlier removed	outlier removed	0.1	0.1
6/24/2007 17:00	outlier removed	outlier removed	3.1	3.1
6/24/2007 18:00	outlier removed	outlier removed	3.5	3.5
6/24/2007 19:00	outlier removed	outlier removed	3.9	3.9
6/24/2007 20:00	outlier removed	outlier removed	0.9	0.9
6/24/2007 21:00	outlier removed	outlier removed	outlier removed	outlier removed
6/24/2007 22:00	outlier removed	outlier removed	0.2	0.2
6/24/2007 23:00	outlier removed	outlier removed	1.0	1.0
6/25/2007 0:00	outlier removed	outlier removed	1.3	1.3
6/25/2007 1:00	outlier removed	outlier removed	2.3	2.3
6/25/2007 2:00	outlier removed	outlier removed	1.8	1.8
6/25/2007 3:00	outlier removed	outlier removed	1.6	1.6
6/25/2007 4:00	outlier removed	outlier removed	4.5	4.5
6/25/2007 5:00	outlier removed	outlier removed	32.7	28.9
6/25/2007 6:00	outlier removed	outlier removed	33.5	29.3
6/25/2007 7:00	outlier removed	outlier removed	24.6	20.5
6/25/2007 8:00	outlier removed	outlier removed	16.9	15.3
6/25/2007 9:00	outlier removed	outlier removed	36.5	26.5
6/25/2007 10:00	outlier removed	outlier removed	33.5	24.5
6/25/2007 11:00	outlier removed	outlier removed	19.3	16.3
6/25/2007 12:00	outlier removed	outlier removed	7.3	7.3
6/25/2007 13:00	outlier removed	outlier removed	2.9	2.9
6/25/2007 14:00	outlier removed	outlier removed	2.2	2.2
6/25/2007 15:00	outlier removed	outlier removed	0.4	0.4
6/25/2007 16:00	outlier removed	outlier removed	outlier removed	outlier removed
6/25/2007 17:00	outlier removed	outlier removed	5.3	5.3
6/25/2007 18:00	outlier removed	outlier removed	3.6	3.6
6/25/2007 19:00	outlier removed	outlier removed	1.4	1.4
6/25/2007 20:00	outlier removed	outlier removed	2.6	2.6
6/25/2007 21:00	outlier removed	outlier removed	2.2	2.2
6/25/2007 22:00	outlier removed	outlier removed	0.8	0.8
6/25/2007 23:00	outlier removed	outlier removed	1.3	1.3
6/26/2007 0:00	outlier removed	outlier removed	1.1	1.1
6/26/2007 1:00	outlier removed	outlier removed	1.1	1.1
6/26/2007 2:00	outlier removed	outlier removed	1.5	1.5



## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/26/2007 3:00	outlier removed	outlier removed	7.2	7.2
6/26/2007 4:00	outlier removed	outlier removed	52.5	33.1
6/26/2007 5:00	outlier removed	outlier removed	37.2	30.3
6/26/2007 6:00	outlier removed	outlier removed	22.7	22.7
6/26/2007 7:00	outlier removed	outlier removed	46.0	29.1
6/26/2007 8:00	outlier removed	outlier removed	21.3	15.5
6/26/2007 9:00	outlier removed	outlier removed	6.5	6.5
6/26/2007 10:00	outlier removed	outlier removed	6.3	6.3
6/26/2007 11:00	outlier removed	outlier removed	9.7	9.6
6/26/2007 12:00	outlier removed	outlier removed	14.0	12.7
6/26/2007 13:00	outlier removed	outlier removed	3.9	3.9
6/26/2007 14:00	outlier removed	outlier removed	1.9	1.9
6/26/2007 15:00	outlier removed	outlier removed	outlier removed	outlier removed
6/26/2007 16:00	4.8	3.6	0.1	0.1
6/26/2007 17:00	outlier removed	outlier removed	outlier removed	outlier removed
6/26/2007 18:00	22.1	12.2	0.0	
6/26/2007 19:00	25.2	15.0	2.0	2.0
6/26/2007 20:00	24.2	15.0	outlier removed	outlier removed
6/26/2007 21:00	20.2	14.5	outlier removed	outlier removed
6/26/2007 22:00	26.6	21.7	outlier removed	outlier removed
6/26/2007 23:00	27.9	21.7	outlier removed	outlier removed
6/27/2007 0:00	25.3	19.6	outlier removed	outlier removed
6/27/2007 1:00	18.7	11.7	2.5	2.5
6/27/2007 2:00	20.1	11.2	1.1	1.1
6/27/2007 3:00	20.4	13.1	3.1	3.1
6/27/2007 4:00	21.6	12.7	1.2	1.2
6/27/2007 5:00	26.2	16.7	6.0	6.0
6/27/2007 6:00	31.6	19.8	7.6	7.6
6/27/2007 7:00	31.1	16.4	4.2	4.2
6/27/2007 8:00	30.8	14.6	4.9	4.9
6/27/2007 9:00	36.0	16.1	6.2	5.7
6/27/2007 10:00	25.7	11.2	3.7	3.7
6/27/2007 11:00	24.4	10.9	2.9	2.9
6/27/2007 12:00	20.4	9.6	1.5	1.5
6/27/2007 13:00	16.8	8.2	1.3	1.3
6/27/2007 14:00	19.4	12.1	14.7	11.6
6/27/2007 15:00	24.2	13.9	31.7	21.6
6/27/2007 16:00	25.9	18.4	5.8	5.8
6/27/2007 17:00	18.0	10.9	0.6	0.6
6/27/2007 18:00	27.0	15.0	outlier removed	outlier removed
6/27/2007 19:00	38.2	16.5	outlier removed	outlier removed
6/27/2007 20:00	21.2	9.5	0.8	0.8
6/27/2007 21:00	22.5	12.9	outlier removed	outlier removed
6/27/2007 22:00	34.2	20.5	0.5	0.5
6/27/2007 23:00	26.5	14.7	5.2	5.2
6/28/2007 0:00	35.9	21.8	5.1	5.1
6/28/2007 1:00	23.2	12.0	8.5	8.5

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/28/2007 2:00	18.7	8.9	1.1	1.1
6/28/2007 3:00	24.0	12.5	1.2	1.2
6/28/2007 4:00	30.4	14.2	2.0	2.0
6/28/2007 5:00	21.2	10.4	25.8	14.1
6/28/2007 6:00	4.5	0.7	6.8	3.6
6/28/2007 7:00	10.1	5.5	17.8	8.3
6/28/2007 8:00	9.5	4.1	23.1	10.1
6/28/2007 9:00	9.6	3.4	26.9	10.0
6/28/2007 10:00	10.5	3.9	28.5	11.4
6/28/2007 11:00	12.1	5.1	25.4	12.1
6/28/2007 12:00	11.9	4.9	19.7	10.6
6/28/2007 13:00	15.0	6.5	19.0	10.7
6/28/2007 14:00	29.0	15.5	9.8	7.7
6/28/2007 15:00	33.9	18.7	8.8	8.3
6/28/2007 16:00	8.3	3.7	22.5	14.3
6/28/2007 17:00	10.0	4.9	37.2	20.4
6/28/2007 18:00	7.5	2.9	27.1	12.0
6/28/2007 19:00	4.7	0.5	17.9	6.7
6/28/2007 20:00	5.1	1.1	16.7	4.9
6/28/2007 21:00	5.3	1.1	19.3	5.9
6/28/2007 22:00	3.3	<b>outlier removed</b>	13.0	2.9
6/28/2007 23:00	3.3	<b>outlier removed</b>	12.3	2.7
6/29/2007 0:00	4.5	0.4	9.5	2.5
6/29/2007 1:00	5.9	1.9	14.8	5.5
6/29/2007 2:00	9.0	4.2	7.2	3.1
6/29/2007 3:00	7.4	3.0	7.8	4.1
6/29/2007 4:00	7.4	3.2	5.1	2.7
6/29/2007 5:00	6.1	2.0	6.9	3.0
6/29/2007 6:00	6.5	2.4	7.2	3.3
6/29/2007 7:00	9.0	3.8	17.9	6.9
6/29/2007 8:00	11.5	4.2	24.4	8.7
6/29/2007 9:00	12.2	3.9	24.5	7.4
6/29/2007 10:00	11.1	3.4	20.7	7.4
6/29/2007 11:00	7.4	1.7	19.7	7.6
6/29/2007 12:00	4.6	<b>outlier removed</b>	16.4	6.3
6/29/2007 13:00	5.0	0.2	13.6	5.7
6/29/2007 14:00	9.0	3.2	21.5	10.9
6/29/2007 15:00	8.2	3.0	15.6	9.2
6/29/2007 16:00	6.7	2.3	16.0	9.4
6/29/2007 17:00	5.9	1.6	16.8	10.2
6/29/2007 18:00	4.9	0.7	13.1	8.7
6/29/2007 19:00	3.8	<b>outlier removed</b>	19.9	10.3
6/29/2007 20:00	2.7	<b>outlier removed</b>	15.7	9.3
6/29/2007 21:00	4.4	0.4	20.0	15.8
6/29/2007 22:00	14.6	7.9	35.9	29.4
6/29/2007 23:00	54.8	28.6	76.7	40.2
6/30/2007 0:00	76.2	36.7	109.8	37.2

## Appendix A1

### Record of NO<sub>x</sub> and NO<sub>2</sub> Measurements

Date/Time	Hourly Average NO <sub>x</sub> and NO <sub>2</sub> Concentrations (ppb)			
	Ontario Public Health Laboratory		St. Clair College	
6/30/2007 1:00	59.8	33.7	100.0	34.4
6/30/2007 2:00	77.5	31.2	70.8	28.9
6/30/2007 3:00	68.4	30.2	83.8	27.7
6/30/2007 4:00	36.0	23.9	77.1	25.0
6/30/2007 5:00	57.9	25.5	69.3	22.5
6/30/2007 6:00	77.1	24.8	60.2	20.4
6/30/2007 7:00	87.2	20.5	91.3	18.0
6/30/2007 8:00	118.4	24.1	118.8	25.3
6/30/2007 9:00	82.2	32.9	80.6	32.4
6/30/2007 10:00	44.6	25.6	36.9	24.5
6/30/2007 11:00	19.5	11.1	14.9	11.2
6/30/2007 12:00	10.0	4.4	8.5	6.3
6/30/2007 13:00	7.2	2.0	6.5	4.6
6/30/2007 14:00	5.6	0.9	4.4	2.9
6/30/2007 15:00	7.4	2.2	2.1	2.1
6/30/2007 16:00	3.4	<b>outlier removed</b>	5.9	4.0
6/30/2007 17:00	3.2	<b>outlier removed</b>	2.7	2.7
6/30/2007 18:00	6.5	1.7	10.1	6.6
6/30/2007 19:00	7.4	2.6	7.6	5.2
6/30/2007 20:00	3.6	<b>outlier removed</b>	6.9	5.8
6/30/2007 21:00	4.0	0.1	12.6	11.1
6/30/2007 22:00	5.2	1.4	9.7	6.8
6/30/2007 23:00	8.6	4.7	7.1	5.8

## **Appendix A2**

### **BAM Operation Description Record of PM<sub>2.5</sub> Measurements**

## **BAM Operation Description**

Each hour, the BAM performs a cycle consisting of four steps in order to produce an average hourly PM<sub>2.5</sub> concentration. Included in each cycle is an automatic calibration, which allows the instrument to provide highly accurate PM<sub>2.5</sub> concentrations each hour.

### Step 1: Initial Count

The BAM 1020 instrument houses a small <sup>14</sup>C element, which emits a constant source of high-energy electrons, or beta particles. During the first step of the sampling cycle, a blank section of filter tape is exposed to this element and the beta particles passing through the tape are detected with high precision by an ultra-sensitive scintillation counter. This initial count (I<sub>0</sub>) of the clean filter tape takes four minutes.

### Step 2: Ambient Air Sampling

The filter tape is advanced such that the area previously exposed to the <sup>14</sup>C element is now directly underneath the sampling inlet. A vacuum pump draws ambient air from outside at a known flow rate through a cyclone that removes any particles greater than 2.5 micron in diameter. This air is drawn downwards through a nozzle and across the section of filter tape where I<sub>0</sub> was just measured in Step 1. Thus, all PM<sub>2.5</sub> present in the sampled air is deposited onto the filter tape. This sample is collected for a duration of 50 minutes.

### Step 3: Calibration

While the sample is being collected on the filter tape, a second count (I<sub>1</sub>) occurs on a blank section of tape, where the <sup>14</sup>C element and counter are located (where I<sub>0</sub> is determined). This count allows for verification of instrument drift caused by varying external parameters such as temperature and relative humidity, and takes four minutes. A third count (I<sub>2</sub>) takes place at the same location with a reference membrane extended over the tape, and the instrument determines whether the measured variability is within an acceptable range.

### Step 4: Concentration Calculation

The section of the tape located underneath the sample inlet is moved back to where I<sub>0</sub> was counted, and the beta ray absorption through the section that has collected dust is measured (I<sub>3</sub>). This count results in the determination of a mass of PM<sub>2.5</sub>, which is divided by the total volume of air sampled to provide a concentration of PM<sub>2.5</sub> for the hour. This completes the hourly cycle.

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/1/2007 0:00	10.5	12.5
4/1/2007 1:00	14.0	12.4
4/1/2007 2:00	11.0	11.6
4/1/2007 3:00	12.8	13.3
4/1/2007 4:00	13.4	14.6
4/1/2007 5:00	14.2	15.5
4/1/2007 6:00	25.4	26.0
4/1/2007 7:00	25.4	36.8
4/1/2007 8:00	30.9	38.5
4/1/2007 9:00	27.5	49.8
4/1/2007 10:00	31.9	48.8
4/1/2007 11:00	28.9	44.3
4/1/2007 12:00	21.2	25.3
4/1/2007 13:00	21.6	20.2
4/1/2007 14:00	9.2	8.8
4/1/2007 15:00	9.7	5.0
4/1/2007 16:00	9.0	3.1
4/1/2007 17:00	5.3	6.3
4/1/2007 18:00	2.2	5.9
4/1/2007 19:00	2.9	6.1
4/1/2007 20:00	7.1	10.8
4/1/2007 21:00	10.6	14.7
4/1/2007 22:00	12.2	14.1
4/1/2007 23:00	13.8	13.5
4/2/2007 0:00	12.0	14.2
4/2/2007 1:00	9.8	11.2
4/2/2007 2:00	10.9	12.0
4/2/2007 3:00	7.0	13.8
4/2/2007 4:00	6.9	13.3
4/2/2007 5:00	7.9	12.4
4/2/2007 6:00	7.5	11.0
4/2/2007 7:00	7.6	11.0
4/2/2007 8:00	5.6	10.5
4/2/2007 9:00	7.4	9.9
4/2/2007 10:00	5.2	7.5
4/2/2007 11:00	6.6	10.1
4/2/2007 12:00	6.2	11.6
4/2/2007 13:00	4.9	8.1
4/2/2007 14:00	8.7	7.3
4/2/2007 15:00	8.7	6.6
4/2/2007 16:00	7.6	6.0
4/2/2007 17:00	9.3	7.1
4/2/2007 18:00	10.5	9.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/2/2007 19:00	13.3	11.8
4/2/2007 20:00	15.4	16.1
4/2/2007 21:00	14.3	15.5
4/2/2007 22:00	21.6	20.7
4/2/2007 23:00	17.5	19.2
4/3/2007 0:00	16.8	19.4
4/3/2007 1:00	14.9	18.5
4/3/2007 2:00	14.4	23.7
4/3/2007 3:00	14.1	12.6
4/3/2007 4:00	12.9	12.4
4/3/2007 5:00	11.3	14.2
4/3/2007 6:00	9.0	13.8
4/3/2007 7:00	9.7	13.4
4/3/2007 8:00	10.2	13.9
4/3/2007 9:00	12.8	13.2
4/3/2007 10:00	12.4	14.1
4/3/2007 11:00	9.5	14.3
4/3/2007 12:00	9.7	14.6
4/3/2007 13:00	12.2	14.7
4/3/2007 14:00	16.4	12.5
4/3/2007 15:00	16.9	14.6
4/3/2007 16:00	16.1	17.0
4/3/2007 17:00	16.3	17.2
4/3/2007 18:00	17.0	19.1
4/3/2007 19:00	13.3	20.7
4/3/2007 20:00	14.5	19.3
4/3/2007 21:00	21.6	24.7
4/3/2007 22:00	22.9	25.6
4/3/2007 23:00	20.9	18.7
4/4/2007 0:00	15.8	16.2
4/4/2007 1:00	14.0	13.5
4/4/2007 2:00	14.2	23.3
4/4/2007 3:00	11.0	17.9
4/4/2007 4:00	9.2	15.9
4/4/2007 5:00	10.7	13.5
4/4/2007 6:00	9.4	13.2
4/4/2007 7:00	8.8	13.5
4/4/2007 8:00	8.2	12.6
4/4/2007 9:00	9.9	8.7
4/4/2007 10:00	6.9	6.0
4/4/2007 11:00	4.5	6.9
4/4/2007 12:00	7.6	6.5
4/4/2007 13:00	6.8	5.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/4/2007 14:00	4.4	4.3
4/4/2007 15:00	3.5	4.2
4/4/2007 16:00	1.8	4.3
4/4/2007 17:00	4.0	7.7
4/4/2007 18:00	6.7	10.2
4/4/2007 19:00	6.4	10.7
4/4/2007 20:00	10.4	9.1
4/4/2007 21:00	11.4	7.9
4/4/2007 22:00	10.0	12.3
4/4/2007 23:00	9.4	11.6
4/5/2007 0:00	8.7	8.2
4/5/2007 1:00	9.7	8.4
4/5/2007 2:00	8.6	9.2
4/5/2007 3:00	7.1	9.7
4/5/2007 4:00	6.1	9.7
4/5/2007 5:00	3.7	8.4
4/5/2007 6:00	2.6	6.8
4/5/2007 7:00	5.6	7.2
4/5/2007 8:00	7.8	6.7
4/5/2007 9:00	9.6	6.6
4/5/2007 10:00	8.5	11.0
4/5/2007 11:00	7.8	11.6
4/5/2007 12:00	11.0	10.0
4/5/2007 13:00	10.5	9.3
4/5/2007 14:00	10.0	8.3
4/5/2007 15:00	9.7	6.8
4/5/2007 16:00	10.2	5.5
4/5/2007 17:00	11.5	7.3
4/5/2007 18:00	10.2	10.0
4/5/2007 19:00	11.2	7.5
4/5/2007 20:00	11.7	5.3
4/5/2007 21:00	10.8	8.7
4/5/2007 22:00	13.4	11.8
4/5/2007 23:00	13.4	12.9
4/6/2007 0:00	10.4	10.8
4/6/2007 1:00	9.3	5.8
4/6/2007 2:00	5.7	5.0
4/6/2007 3:00	3.9	5.7
4/6/2007 4:00	5.9	6.1
4/6/2007 5:00	7.6	9.2
4/6/2007 6:00	8.5	9.1
4/6/2007 7:00	10.5	7.0
4/6/2007 8:00	8.7	5.6



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/6/2007 9:00	6.2	6.1
4/6/2007 10:00	8.0	5.3
4/6/2007 11:00	7.2	3.8
4/6/2007 12:00	7.8	5.4
4/6/2007 13:00	12.3	7.0
4/6/2007 14:00	10.7	5.8
4/6/2007 15:00	6.7	4.8
4/6/2007 16:00	8.0	4.4
4/6/2007 17:00	8.2	7.4
4/6/2007 18:00	8.7	8.8
4/6/2007 19:00	11.9	10.3
4/6/2007 20:00	11.4	10.3
4/6/2007 21:00	11.8	9.9
4/6/2007 22:00	11.4	10.2
4/6/2007 23:00	5.9	7.4
4/7/2007 0:00	5.6	6.2
4/7/2007 1:00	5.2	7.3
4/7/2007 2:00	5.8	9.3
4/7/2007 3:00	9.5	8.8
4/7/2007 4:00	7.8	9.5
4/7/2007 5:00	7.9	9.4
4/7/2007 6:00	6.6	7.7
4/7/2007 7:00	6.3	9.2
4/7/2007 8:00	6.2	8.0
4/7/2007 9:00	7.7	4.3
4/7/2007 10:00	11.2	5.3
4/7/2007 11:00	6.8	5.1
4/7/2007 12:00	8.3	4.3
4/7/2007 13:00	12.5	7.7
4/7/2007 14:00	8.0	8.4
4/7/2007 15:00	6.2	4.7
4/7/2007 16:00	10.2	4.0
4/7/2007 17:00	9.9	8.4
4/7/2007 18:00	9.5	11.0
4/7/2007 19:00	11.4	12.2
4/7/2007 20:00	11.2	9.7
4/7/2007 21:00	10.9	7.1
4/7/2007 22:00	10.8	8.8
4/7/2007 23:00	14.0	9.1
4/8/2007 0:00	14.0	9.2
4/8/2007 1:00	10.8	8.4
4/8/2007 2:00	8.7	12.1
4/8/2007 3:00	3.9	13.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/8/2007 4:00	2.0	9.2
4/8/2007 5:00	5.8	8.7
4/8/2007 6:00	9.7	8.7
4/8/2007 7:00	9.3	9.9
4/8/2007 8:00	8.5	10.1
4/8/2007 9:00	9.5	10.1
4/8/2007 10:00	4.6	10.6
4/8/2007 11:00	3.3	6.9
4/8/2007 12:00	10.2	4.9
4/8/2007 13:00	10.0	5.8
4/8/2007 14:00	5.6	4.3
4/8/2007 15:00	5.4	4.9
4/8/2007 16:00	9.7	6.3
4/8/2007 17:00	10.6	7.3
4/8/2007 18:00	8.1	7.7
4/8/2007 19:00	7.5	7.0
4/8/2007 20:00	8.3	9.2
4/8/2007 21:00	11.2	9.6
4/8/2007 22:00	11.4	10.2
4/8/2007 23:00	11.0	11.6
4/9/2007 0:00	12.2	11.7
4/9/2007 1:00	12.8	10.2
4/9/2007 2:00	14.2	9.1
4/9/2007 3:00	11.5	11.4
4/9/2007 4:00	10.5	13.4
4/9/2007 5:00	12.4	11.4
4/9/2007 6:00	11.2	8.4
4/9/2007 7:00	13.1	9.9
4/9/2007 8:00	14.3	12.1
4/9/2007 9:00	10.3	10.1
4/9/2007 10:00	9.7	12.2
4/9/2007 11:00	15.2	15.1
4/9/2007 12:00	18.3	12.9
4/9/2007 13:00	14.3	9.6
4/9/2007 14:00	12.2	8.4
4/9/2007 15:00	11.4	6.9
4/9/2007 16:00	10.8	8.1
4/9/2007 17:00	15.6	14.0
4/9/2007 18:00	19.0	16.2
4/9/2007 19:00	17.3	15.4
4/9/2007 20:00	15.4	16.9
4/9/2007 21:00	23.9	21.4
4/9/2007 22:00	20.5	21.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/9/2007 23:00	32.1	33.5
4/10/2007 0:00	25.5	24.4
4/10/2007 1:00	22.5	24.5
4/10/2007 2:00	31.3	25.1
4/10/2007 3:00	19.0	23.1
4/10/2007 4:00	30.5	23.1
4/10/2007 5:00	32.2	26.9
4/10/2007 6:00	29.8	26.0
4/10/2007 7:00	26.5	26.4
4/10/2007 8:00	27.7	26.7
4/10/2007 9:00	35.4	24.6
4/10/2007 10:00	22.1	22.2
4/10/2007 11:00	21.0	19.0
4/10/2007 12:00	22.4	18.8
4/10/2007 13:00	18.3	17.7
4/10/2007 14:00	19.1	14.0
4/10/2007 15:00	18.7	12.9
4/10/2007 16:00	18.3	15.1
4/10/2007 17:00	19.3	17.7
4/10/2007 18:00	19.3	18.5
4/10/2007 19:00	17.0	15.8
4/10/2007 20:00	14.3	23.9
4/10/2007 21:00	23.0	21.9
4/10/2007 22:00	19.3	21.0
4/10/2007 23:00	16.2	25.8
4/11/2007 0:00	22.5	24.4
4/11/2007 1:00	18.3	23.8
4/11/2007 2:00	17.1	21.4
4/11/2007 3:00	16.2	16.6
4/11/2007 4:00	18.1	24.0
4/11/2007 5:00	20.7	22.7
4/11/2007 6:00	12.4	12.0
4/11/2007 7:00	13.1	12.3
4/11/2007 8:00	12.1	12.3
4/11/2007 9:00	10.3	11.8
4/11/2007 10:00	12.4	11.0
4/11/2007 11:00	16.6	14.3
4/11/2007 12:00	23.3	25.1
4/11/2007 13:00	27.6	25.0
4/11/2007 14:00	20.6	28.7
4/11/2007 15:00	27.0	29.4
4/11/2007 16:00	27.3	25.2
4/11/2007 17:00	21.4	31.3

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/11/2007 18:00	27.5	22.1
4/11/2007 19:00	30.8	28.6
4/11/2007 20:00	29.6	31.1
4/11/2007 21:00	27.7	29.2
4/11/2007 22:00	19.8	21.4
4/11/2007 23:00	20.5	21.6
4/12/2007 0:00	19.1	20.5
4/12/2007 1:00	17.8	23.5
4/12/2007 2:00	25.9	18.7
4/12/2007 3:00	21.4	27.7
4/12/2007 4:00	9.7	14.6
4/12/2007 5:00	10.8	14.7
4/12/2007 6:00	12.7	12.5
4/12/2007 7:00	12.9	10.4
4/12/2007 8:00	13.2	10.7
4/12/2007 9:00	13.5	13.3
4/12/2007 10:00	13.7	14.0
4/12/2007 11:00	14.1	12.4
4/12/2007 12:00	12.9	12.4
4/12/2007 13:00	11.2	12.9
4/12/2007 14:00	11.0	11.4
4/12/2007 15:00	10.7	10.6
4/12/2007 16:00	11.8	11.8
4/12/2007 17:00	13.9	11.0
4/12/2007 18:00	14.7	11.4
4/12/2007 19:00	13.3	15.7
4/12/2007 20:00	8.1	14.7
4/12/2007 21:00	7.8	10.1
4/12/2007 22:00	8.3	9.4
4/12/2007 23:00	9.3	11.2
4/13/2007 0:00	14.0	11.6
4/13/2007 1:00	12.5	8.4
4/13/2007 2:00	7.2	9.9
4/13/2007 3:00	9.5	10.4
4/13/2007 4:00	11.0	9.8
4/13/2007 5:00	10.6	11.6
4/13/2007 6:00	10.5	14.2
4/13/2007 7:00	8.3	13.6
4/13/2007 8:00	8.5	9.1
4/13/2007 9:00	10.8	10.2
4/13/2007 10:00	11.1	10.2
4/13/2007 11:00	9.7	9.2
4/13/2007 12:00	8.7	11.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/13/2007 13:00	7.4	12.5
4/13/2007 14:00	7.8	11.4
4/13/2007 15:00	8.6	9.4
4/13/2007 16:00	7.6	8.4
4/13/2007 17:00	8.1	7.6
4/13/2007 18:00	10.3	8.7
4/13/2007 19:00	11.4	9.1
4/13/2007 20:00	12.6	8.7
4/13/2007 21:00	13.8	12.5
4/13/2007 22:00	16.2	17.6
4/13/2007 23:00	16.8	20.8
4/14/2007 0:00	15.6	12.4
4/14/2007 1:00	12.9	11.6
4/14/2007 2:00	13.5	12.2
4/14/2007 3:00	15.8	14.4
4/14/2007 4:00	16.8	13.1
4/14/2007 5:00	18.9	11.7
4/14/2007 6:00	23.7	14.9
4/14/2007 7:00	14.0	17.3
4/14/2007 8:00	21.0	16.4
4/14/2007 9:00	13.1	15.9
4/14/2007 10:00	10.6	11.0
4/14/2007 11:00	11.3	8.8
4/14/2007 12:00	12.7	13.2
4/14/2007 13:00	6.7	10.3
4/14/2007 14:00	7.6	7.5
4/14/2007 15:00	11.7	8.4
4/14/2007 16:00	14.5	9.9
4/14/2007 17:00	18.5	20.2
4/14/2007 18:00	16.6	22.7
4/14/2007 19:00	14.4	12.7
4/14/2007 20:00	13.5	12.5
4/14/2007 21:00	11.7	12.1
4/14/2007 22:00	12.8	10.8
4/14/2007 23:00	12.7	12.7
4/15/2007 0:00	13.3	12.2
4/15/2007 1:00	14.0	8.0
4/15/2007 2:00	9.8	9.8
4/15/2007 3:00	6.0	9.9
4/15/2007 4:00	9.3	11.0
4/15/2007 5:00	14.7	12.3
4/15/2007 6:00	9.7	10.5
4/15/2007 7:00	6.2	11.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/15/2007 8:00	7.5	10.7
4/15/2007 9:00	9.1	10.3
4/15/2007 10:00	8.0	10.9
4/15/2007 11:00	4.6	9.4
4/15/2007 12:00	7.0	8.9
4/15/2007 13:00	7.9	9.9
4/15/2007 14:00	7.6	8.9
4/15/2007 15:00	12.7	5.6
4/15/2007 16:00	12.9	8.6
4/15/2007 17:00	10.8	4.7
4/15/2007 18:00	15.5	11.7
4/15/2007 19:00	15.5	9.6
4/15/2007 20:00	13.2	9.2
4/15/2007 21:00	13.4	14.0
4/15/2007 22:00	11.4	17.3
4/15/2007 23:00	11.0	16.8
4/16/2007 0:00	8.4	14.2
4/16/2007 1:00	5.8	8.6
4/16/2007 2:00	7.2	6.2
4/16/2007 3:00	9.5	9.2
4/16/2007 4:00	8.9	11.0
4/16/2007 5:00	6.7	12.7
4/16/2007 6:00	9.0	12.3
4/16/2007 7:00	10.8	9.6
4/16/2007 8:00	7.8	7.7
4/16/2007 9:00	8.0	9.0
4/16/2007 10:00	8.8	7.0
4/16/2007 11:00	7.4	4.4
4/16/2007 12:00	7.5	6.3
4/16/2007 13:00	4.9	8.1
4/16/2007 14:00	3.6	7.9
4/16/2007 15:00	7.1	6.3
4/16/2007 16:00	8.5	7.1
4/16/2007 17:00	11.8	6.0
4/16/2007 18:00	14.3	5.5
4/16/2007 19:00	10.7	6.9
4/16/2007 20:00	8.7	8.1
4/16/2007 21:00	9.4	11.1
4/16/2007 22:00	7.9	13.0
4/16/2007 23:00	7.7	11.8
4/17/2007 0:00	11.2	12.4
4/17/2007 1:00	14.3	14.1
4/17/2007 2:00	13.9	13.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/17/2007 3:00	11.2	10.1
4/17/2007 4:00	10.4	10.2
4/17/2007 5:00	10.8	10.2
4/17/2007 6:00	10.4	11.7
4/17/2007 7:00	11.4	15.9
4/17/2007 8:00	20.0	12.8
4/17/2007 9:00	17.9	12.6
4/17/2007 10:00	14.7	12.2
4/17/2007 11:00	9.7	8.2
4/17/2007 12:00	8.2	7.5
4/17/2007 13:00	9.3	7.9
4/17/2007 14:00	10.8	7.9
4/17/2007 15:00	9.8	7.1
4/17/2007 16:00	8.6	4.6
4/17/2007 17:00	8.2	4.9
4/17/2007 18:00	8.2	9.4
4/17/2007 19:00	21.4	20.9
4/17/2007 20:00	17.8	23.5
4/17/2007 21:00	14.3	18.5
4/17/2007 22:00	9.0	16.7
4/17/2007 23:00	7.4	16.5
4/18/2007 0:00	7.6	16.1
4/18/2007 1:00	9.1	13.8
4/18/2007 2:00	10.7	14.3
4/18/2007 3:00	9.7	11.5
4/18/2007 4:00	11.8	9.0
4/18/2007 5:00	11.3	12.3
4/18/2007 6:00	10.8	15.7
4/18/2007 7:00	10.6	15.1
4/18/2007 8:00	9.2	22.1
4/18/2007 9:00	13.6	21.1
4/18/2007 10:00	13.8	21.0
4/18/2007 11:00	13.5	17.5
4/18/2007 12:00	15.4	14.9
4/18/2007 13:00	13.6	11.2
4/18/2007 14:00	9.1	11.6
4/18/2007 15:00	11.1	14.0
4/18/2007 16:00	16.4	13.5
4/18/2007 17:00	11.5	14.6
4/18/2007 18:00	8.2	15.1
4/18/2007 19:00	10.7	20.9
4/18/2007 20:00	10.1	19.0
4/18/2007 21:00	11.3	16.5

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/18/2007 22:00	25.2	23.8
4/18/2007 23:00	26.5	24.0
4/19/2007 0:00	24.3	21.3
4/19/2007 1:00	18.0	11.4
4/19/2007 2:00	17.1	14.5
4/19/2007 3:00	17.3	20.2
4/19/2007 4:00	17.6	25.5
4/19/2007 5:00	23.5	22.0
4/19/2007 6:00	15.2	15.1
4/19/2007 7:00	16.1	13.8
4/19/2007 8:00	13.4	20.9
4/19/2007 9:00	9.3	19.8
4/19/2007 10:00	12.8	12.9
4/19/2007 11:00	14.8	12.9
4/19/2007 12:00	10.7	12.3
4/19/2007 13:00	7.5	10.9
4/19/2007 14:00	8.3	8.1
4/19/2007 15:00	11.0	7.6
4/19/2007 16:00	14.4	10.9
4/19/2007 17:00	15.0	14.5
4/19/2007 18:00	15.4	16.6
4/19/2007 19:00	15.7	15.9
4/19/2007 20:00	12.6	13.6
4/19/2007 21:00	12.9	13.6
4/19/2007 22:00	11.8	26.1
4/19/2007 23:00	10.8	17.0
4/20/2007 0:00	11.0	16.4
4/20/2007 1:00	14.2	14.2
4/20/2007 2:00	15.3	14.6
4/20/2007 3:00	11.2	15.6
4/20/2007 4:00	10.7	15.3
4/20/2007 5:00	11.6	13.9
4/20/2007 6:00	11.3	19.7
4/20/2007 7:00	11.6	12.0
4/20/2007 8:00	14.5	13.5
4/20/2007 9:00	17.5	13.9
4/20/2007 10:00	18.3	13.0
4/20/2007 11:00	17.1	15.5
4/20/2007 12:00	15.4	15.0
4/20/2007 13:00	11.9	10.9
4/20/2007 14:00	10.1	6.9
4/20/2007 15:00	9.0	4.0
4/20/2007 16:00	7.4	6.0



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/20/2007 17:00	10.6	7.0
4/20/2007 18:00	11.7	7.8
4/20/2007 19:00	10.2	12.2
4/20/2007 20:00	10.5	12.6
4/20/2007 21:00	13.5	13.5
4/20/2007 22:00	20.9	25.8
4/20/2007 23:00	19.9	27.5
4/21/2007 0:00	25.6	32.9
4/21/2007 1:00	39.2	33.3
4/21/2007 2:00	32.9	41.4
4/21/2007 3:00	26.8	26.9
4/21/2007 4:00	34.0	35.7
4/21/2007 5:00	43.6	36.2
4/21/2007 6:00	38.8	35.9
4/21/2007 7:00	33.2	34.0
4/21/2007 8:00	38.8	34.2
4/21/2007 9:00	35.8	32.4
4/21/2007 10:00	30.4	26.6
4/21/2007 11:00	24.7	23.7
4/21/2007 12:00	27.1	22.9
4/21/2007 13:00	17.6	13.3
4/21/2007 14:00	22.2	21.3
4/21/2007 15:00	20.9	16.9
4/21/2007 16:00	17.7	12.0
4/21/2007 17:00	14.3	9.4
4/21/2007 18:00	12.8	12.0
4/21/2007 19:00	20.1	14.1
4/21/2007 20:00	9.8	12.3
4/21/2007 21:00	7.5	9.9
4/21/2007 22:00	9.4	23.8
4/21/2007 23:00	15.0	15.7
4/22/2007 0:00	23.0	15.7
4/22/2007 1:00	15.4	16.1
4/22/2007 2:00	16.4	20.6
4/22/2007 3:00	17.9	16.8
4/22/2007 4:00	17.9	17.9
4/22/2007 5:00	26.1	20.3
4/22/2007 6:00	15.8	19.2
4/22/2007 7:00	20.2	20.7
4/22/2007 8:00	26.1	20.3
4/22/2007 9:00	20.9	14.4
4/22/2007 10:00	18.3	14.5
4/22/2007 11:00	25.9	26.4

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/22/2007 12:00	26.9	20.5
4/22/2007 13:00	31.6	18.7
4/22/2007 14:00	29.8	26.8
4/22/2007 15:00	24.5	23.3
4/22/2007 16:00	23.2	19.3
4/22/2007 17:00	32.6	24.2
4/22/2007 18:00	23.9	25.8
4/22/2007 19:00	27.3	21.1
4/22/2007 20:00	24.8	28.7
4/22/2007 21:00	28.3	20.9
4/22/2007 22:00	23.1	24.8
4/22/2007 23:00	25.6	34.2
4/23/2007 0:00	32.8	27.0
4/23/2007 1:00	36.6	33.0
4/23/2007 2:00	37.4	35.3
4/23/2007 3:00	35.7	32.4
4/23/2007 4:00	32.0	30.1
4/23/2007 5:00	31.3	31.9
4/23/2007 6:00	28.2	30.4
4/23/2007 7:00	31.3	28.7
4/23/2007 8:00	26.9	27.8
4/23/2007 9:00	24.0	26.7
4/23/2007 10:00	20.9	20.3
4/23/2007 11:00	33.8	22.6
4/23/2007 12:00	22.9	29.2
4/23/2007 13:00	28.5	25.0
4/23/2007 14:00	22.5	22.9
4/23/2007 15:00	28.2	30.1
4/23/2007 16:00	25.2	22.6
4/23/2007 17:00	20.6	27.7
4/23/2007 18:00	17.9	28.9
4/23/2007 19:00	18.6	18.3
4/23/2007 20:00	17.7	17.3
4/23/2007 21:00	23.1	20.0
4/23/2007 22:00	16.1	18.2
4/23/2007 23:00	11.2	15.3
4/24/2007 0:00	8.4	14.6
4/24/2007 1:00	7.2	15.0
4/24/2007 2:00	5.8	10.1
4/24/2007 3:00	9.1	9.4
4/24/2007 4:00	10.9	9.3
4/24/2007 5:00	10.8	10.6
4/24/2007 6:00	13.8	15.7

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/24/2007 7:00	12.7	14.0
4/24/2007 8:00	24.0	12.6
4/24/2007 9:00	10.0	12.5
4/24/2007 10:00	11.8	6.6
4/24/2007 11:00	11.7	1.9
4/24/2007 12:00	12.1	5.0
4/24/2007 13:00	11.3	5.3
4/24/2007 14:00	14.0	10.1
4/24/2007 15:00	17.5	18.3
4/24/2007 16:00	16.5	18.5
4/24/2007 17:00	16.6	18.7
4/24/2007 18:00	20.2	13.5
4/24/2007 19:00	16.7	8.9
4/24/2007 20:00	13.7	9.1
4/24/2007 21:00	10.2	12.2
4/24/2007 22:00	10.2	16.4
4/24/2007 23:00	11.4	14.5
4/25/2007 0:00	13.1	14.4
4/25/2007 1:00	15.2	16.1
4/25/2007 2:00	16.3	15.8
4/25/2007 3:00	14.8	19.8
4/25/2007 4:00	14.0	7.7
4/25/2007 5:00	21.2	8.1
4/25/2007 6:00	4.2	11.8
4/25/2007 7:00	9.2	16.6
4/25/2007 8:00	14.0	16.9
4/25/2007 9:00	12.5	12.7
4/25/2007 10:00	12.3	12.3
4/25/2007 11:00	13.7	14.4
4/25/2007 12:00	13.1	13.9
4/25/2007 13:00	11.8	13.0
4/25/2007 14:00	14.1	12.9
4/25/2007 15:00	4.9	15.0
4/25/2007 16:00	10.9	12.8
4/25/2007 17:00	9.3	11.0
4/25/2007 18:00	7.5	15.9
4/25/2007 19:00	11.0	17.6
4/25/2007 20:00	8.9	14.7
4/25/2007 21:00	4.9	13.5
4/25/2007 22:00	7.3	9.6
4/25/2007 23:00	10.2	10.7
4/26/2007 0:00	15.2	15.3
4/26/2007 1:00	16.4	16.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/26/2007 2:00	16.9	18.5
4/26/2007 3:00	17.9	16.9
4/26/2007 4:00	15.4	16.8
4/26/2007 5:00	16.0	15.7
4/26/2007 6:00	17.1	14.2
4/26/2007 7:00	17.7	14.3
4/26/2007 8:00	14.3	16.3
4/26/2007 9:00	12.1	16.3
4/26/2007 10:00	12.1	15.1
4/26/2007 11:00	11.2	14.4
4/26/2007 12:00	10.4	14.0
4/26/2007 13:00	8.2	17.4
4/26/2007 14:00	10.2	16.9
4/26/2007 15:00	15.0	15.4
4/26/2007 16:00	18.9	22.0
4/26/2007 17:00	23.1	24.2
4/26/2007 18:00	26.8	32.2
4/26/2007 19:00	17.0	26.8
4/26/2007 20:00	24.2	32.1
4/26/2007 21:00	16.8	29.6
4/26/2007 22:00	23.3	40.1
4/26/2007 23:00	19.3	39.7
4/27/2007 0:00	20.0	31.6
4/27/2007 1:00	24.6	32.6
4/27/2007 2:00	34.7	36.3
4/27/2007 3:00	19.0	18.1
4/27/2007 4:00	13.8	19.8
4/27/2007 5:00	12.8	15.8
4/27/2007 6:00	20.8	17.1
4/27/2007 7:00	29.3	24.1
4/27/2007 8:00	22.9	26.0
4/27/2007 9:00	21.9	28.8
4/27/2007 10:00	26.6	18.8
4/27/2007 11:00	12.9	18.5
4/27/2007 12:00	11.4	16.4
4/27/2007 13:00	13.9	14.0
4/27/2007 14:00	14.8	14.4
4/27/2007 15:00	9.5	13.2
4/27/2007 16:00	11.0	12.9
4/27/2007 17:00	13.2	13.2
4/27/2007 18:00	13.5	14.5
4/27/2007 19:00	11.6	14.9
4/27/2007 20:00	11.2	14.7

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/27/2007 21:00	12.7	16.4
4/27/2007 22:00	15.2	16.2
4/27/2007 23:00	17.5	17.5
4/28/2007 0:00	16.9	14.1
4/28/2007 1:00	16.2	10.7
4/28/2007 2:00	15.8	13.6
4/28/2007 3:00	13.0	16.4
4/28/2007 4:00	7.0	12.4
4/28/2007 5:00	7.2	6.5
4/28/2007 6:00	10.4	7.7
4/28/2007 7:00	12.0	11.7
4/28/2007 8:00	13.4	15.1
4/28/2007 9:00	22.7	21.0
4/28/2007 10:00	28.8	29.0
4/28/2007 11:00	29.5	17.9
4/28/2007 12:00	19.5	17.2
4/28/2007 13:00	19.7	16.6
4/28/2007 14:00	16.2	14.0
4/28/2007 15:00	11.3	11.4
4/28/2007 16:00	12.7	12.2
4/28/2007 17:00	11.6	11.8
4/28/2007 18:00	9.5	8.8
4/28/2007 19:00	11.0	10.5
4/28/2007 20:00	14.1	13.2
4/28/2007 21:00	14.1	13.5
4/28/2007 22:00	13.6	17.2
4/28/2007 23:00	26.7	21.6
4/29/2007 0:00	22.4	26.7
4/29/2007 1:00	34.2	26.2
4/29/2007 2:00	43.0	35.2
4/29/2007 3:00	30.9	39.7
4/29/2007 4:00	28.4	24.3
4/29/2007 5:00	25.1	28.9
4/29/2007 6:00	16.9	12.4
4/29/2007 7:00	15.8	14.3
4/29/2007 8:00	15.4	17.5
4/29/2007 9:00	16.8	14.4
4/29/2007 10:00	15.4	8.7
4/29/2007 11:00	12.9	9.8
4/29/2007 12:00	13.7	12.7
4/29/2007 13:00	14.8	15.9
4/29/2007 14:00	16.1	14.0
4/29/2007 15:00	14.8	8.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
4/29/2007 16:00	14.8	6.8
4/29/2007 17:00	13.5	6.3
4/29/2007 18:00	11.2	7.0
4/29/2007 19:00	12.2	8.7
4/29/2007 20:00	11.4	10.7
4/29/2007 21:00	11.2	20.3
4/29/2007 22:00	10.4	17.9
4/29/2007 23:00	8.9	17.4
4/30/2007 0:00	10.8	14.7
4/30/2007 1:00	15.1	12.7
4/30/2007 2:00	15.6	13.9
4/30/2007 3:00	11.9	12.9
4/30/2007 4:00	9.3	12.4
4/30/2007 5:00	9.6	12.1
4/30/2007 6:00	11.6	11.7
4/30/2007 7:00	13.7	15.5
4/30/2007 8:00	12.9	13.8
4/30/2007 9:00	8.9	10.4
4/30/2007 10:00	8.7	7.0
4/30/2007 11:00	8.9	4.2
4/30/2007 12:00	9.5	6.6
4/30/2007 13:00	12.9	7.2
4/30/2007 14:00	13.7	8.0
4/30/2007 15:00	11.6	8.6
4/30/2007 16:00	11.4	8.5
4/30/2007 17:00	13.1	10.6
4/30/2007 18:00	11.2	11.4
4/30/2007 19:00	10.0	13.7
4/30/2007 20:00	9.5	17.3
4/30/2007 21:00	10.4	20.2
4/30/2007 22:00	21.3	23.7
4/30/2007 23:00	19.2	22.2
5/1/2007 0:00	16.7	17.7
5/1/2007 1:00	11.0	15.0
5/1/2007 2:00	9.6	12.1
5/1/2007 3:00	11.2	15.0
5/1/2007 4:00	10.5	16.2
5/1/2007 5:00	9.0	19.9
5/1/2007 6:00	8.8	14.6
5/1/2007 7:00	9.3	16.2
5/1/2007 8:00	10.4	22.7
5/1/2007 9:00	9.9	6.2
5/1/2007 10:00	7.2	7.0

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/1/2007 11:00	8.3	5.1
5/1/2007 12:00	7.4	6.1
5/1/2007 13:00	7.8	8.7
5/1/2007 14:00	11.8	6.8
5/1/2007 15:00	14.0	7.2
5/1/2007 16:00	12.3	11.6
5/1/2007 17:00	12.8	20.9
5/1/2007 18:00	17.1	12.4
5/1/2007 19:00	18.0	28.8
5/1/2007 20:00	13.2	20.0
5/1/2007 21:00	10.0	23.6
5/1/2007 22:00	28.9	32.8
5/1/2007 23:00	23.5	31.8
5/2/2007 0:00	23.3	30.4
5/2/2007 1:00	28.7	33.5
5/2/2007 2:00	34.1	45.2
5/2/2007 3:00	33.0	40.1
5/2/2007 4:00	28.5	43.0
5/2/2007 5:00	30.5	36.9
5/2/2007 6:00	30.4	33.1
5/2/2007 7:00	20.2	31.1
5/2/2007 8:00	18.9	29.2
5/2/2007 9:00	36.9	31.7
5/2/2007 10:00	33.1	34.9
5/2/2007 11:00	35.3	39.2
5/2/2007 12:00	35.5	34.8
5/2/2007 13:00	30.3	30.4
5/2/2007 14:00	30.7	26.6
5/2/2007 15:00	27.1	21.4
5/2/2007 16:00	13.7	15.8
5/2/2007 17:00	14.1	21.6
5/2/2007 18:00	23.5	25.8
5/2/2007 19:00	30.8	31.0
5/2/2007 20:00	21.2	23.1
5/2/2007 21:00	15.6	18.1
5/2/2007 22:00	15.8	25.0
5/2/2007 23:00	15.2	21.0
5/3/2007 0:00	13.8	17.7
5/3/2007 1:00	13.2	15.0
5/3/2007 2:00	14.8	12.2
5/3/2007 3:00	13.1	10.9
5/3/2007 4:00	8.6	11.1
5/3/2007 5:00	13.4	11.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/3/2007 6:00	14.0	11.1
5/3/2007 7:00	10.5	12.9
5/3/2007 8:00	15.0	15.0
5/3/2007 9:00	13.3	12.5
5/3/2007 10:00	9.9	9.9
5/3/2007 11:00	9.4	10.3
5/3/2007 12:00	8.5	9.1
5/3/2007 13:00	10.6	8.6
5/3/2007 14:00	10.7	10.6
5/3/2007 15:00	10.6	12.4
5/3/2007 16:00	11.2	11.0
5/3/2007 17:00	11.5	6.8
5/3/2007 18:00	11.5	5.3
5/3/2007 19:00	12.0	7.1
5/3/2007 20:00	15.5	12.7
5/3/2007 21:00	16.8	21.3
5/3/2007 22:00	15.0	20.3
5/3/2007 23:00	13.5	22.4
5/4/2007 0:00	13.6	19.1
5/4/2007 1:00	13.5	17.4
5/4/2007 2:00	20.6	16.3
5/4/2007 3:00	15.6	11.0
5/4/2007 4:00	14.4	6.3
5/4/2007 5:00	12.7	8.7
5/4/2007 6:00	12.2	10.5
5/4/2007 7:00	10.0	11.7
5/4/2007 8:00	9.5	12.5
5/4/2007 9:00	11.1	11.5
5/4/2007 10:00	10.4	8.8
5/4/2007 11:00	9.5	7.5
5/4/2007 12:00	7.9	9.6
5/4/2007 13:00	8.7	14.2
5/4/2007 14:00	10.8	15.1
5/4/2007 15:00	11.7	13.6
5/4/2007 16:00	14.1	13.5
5/4/2007 17:00	14.2	11.3
5/4/2007 18:00	11.4	10.6
5/4/2007 19:00	11.4	12.0
5/4/2007 20:00	13.7	14.0
5/4/2007 21:00	12.5	13.1
5/4/2007 22:00	13.2	11.0
5/4/2007 23:00	15.1	12.0
5/5/2007 0:00	13.6	14.3



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/5/2007 1:00	21.6	17.0
5/5/2007 2:00	18.6	18.3
5/5/2007 3:00	15.6	14.3
5/5/2007 4:00	12.6	12.9
5/5/2007 5:00	12.4	14.2
5/5/2007 6:00	9.8	11.8
5/5/2007 7:00	8.3	12.3
5/5/2007 8:00	11.9	11.7
5/5/2007 9:00	13.9	12.0
5/5/2007 10:00	12.0	10.7
5/5/2007 11:00	11.1	8.9
5/5/2007 12:00	13.1	10.5
5/5/2007 13:00	16.7	13.5
5/5/2007 14:00	17.8	12.5
5/5/2007 15:00	14.9	6.6
5/5/2007 16:00	13.9	6.9
5/5/2007 17:00	14.0	10.5
5/5/2007 18:00	12.5	11.8
5/5/2007 19:00	12.3	9.1
5/5/2007 20:00	9.1	9.4
5/5/2007 21:00	9.7	11.8
5/5/2007 22:00	12.3	10.8
5/5/2007 23:00	12.4	10.7
5/6/2007 0:00	14.1	11.3
5/6/2007 1:00	13.6	14.3
5/6/2007 2:00	10.9	12.5
5/6/2007 3:00	9.1	12.1
5/6/2007 4:00	8.3	11.4
5/6/2007 5:00	11.5	6.4
5/6/2007 6:00	11.8	8.6
5/6/2007 7:00	9.2	9.4
5/6/2007 8:00	10.8	7.3
5/6/2007 9:00	11.6	5.7
5/6/2007 10:00	8.8	6.9
5/6/2007 11:00	5.9	10.1
5/6/2007 12:00	9.5	9.6
5/6/2007 13:00	8.9	8.1
5/6/2007 14:00	3.7	8.1
5/6/2007 15:00	4.9	8.1
5/6/2007 16:00	7.7	6.6
5/6/2007 17:00	7.3	5.5
5/6/2007 18:00	9.2	5.0
5/6/2007 19:00	9.7	5.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/6/2007 20:00	10.5	6.6
5/6/2007 21:00	11.4	7.7
5/6/2007 22:00	10.0	11.8
5/6/2007 23:00	9.1	11.9
5/7/2007 0:00	9.8	10.7
5/7/2007 1:00	10.6	11.4
5/7/2007 2:00	7.1	11.6
5/7/2007 3:00	6.6	12.4
5/7/2007 4:00	8.3	10.5
5/7/2007 5:00	8.3	9.8
5/7/2007 6:00	8.1	11.3
5/7/2007 7:00	9.7	12.0
5/7/2007 8:00	13.0	12.1
5/7/2007 9:00	15.6	11.2
5/7/2007 10:00	20.6	11.2
5/7/2007 11:00	15.5	11.0
5/7/2007 12:00	12.6	6.8
5/7/2007 13:00	9.1	5.4
5/7/2007 14:00	9.4	9.8
5/7/2007 15:00	8.7	11.4
5/7/2007 16:00	21.4	10.7
5/7/2007 17:00	21.5	9.2
5/7/2007 18:00	18.5	8.5
5/7/2007 19:00	17.1	9.5
5/7/2007 20:00	12.2	13.0
5/7/2007 21:00	9.2	17.4
5/7/2007 22:00	13.2	22.6
5/7/2007 23:00	23.5	25.1
5/8/2007 0:00	19.0	14.3
5/8/2007 1:00	21.3	14.8
5/8/2007 2:00	24.6	27.6
5/8/2007 3:00	23.5	28.1
5/8/2007 4:00	19.8	18.3
5/8/2007 5:00	19.2	15.3
5/8/2007 6:00	21.5	14.0
5/8/2007 7:00	24.4	16.1
5/8/2007 8:00	21.7	15.7
5/8/2007 9:00	22.2	13.1
5/8/2007 10:00	17.0	12.9
5/8/2007 11:00	17.4	14.7
5/8/2007 12:00	28.9	16.3
5/8/2007 13:00	25.8	22.2
5/8/2007 14:00	21.7	26.2

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/8/2007 15:00	23.9	27.4
5/8/2007 16:00	29.0	29.5
5/8/2007 17:00	23.5	23.1
5/8/2007 18:00	38.8	30.5
5/8/2007 19:00	39.2	44.3
5/8/2007 20:00	37.1	39.1
5/8/2007 21:00	28.8	30.0
5/8/2007 22:00	38.1	25.1
5/8/2007 23:00	32.9	33.1
5/9/2007 0:00	30.7	29.3
5/9/2007 1:00	31.2	29.6
5/9/2007 2:00	24.1	33.4
5/9/2007 3:00	35.1	28.7
5/9/2007 4:00	36.4	36.3
5/9/2007 5:00	36.1	40.7
5/9/2007 6:00	45.4	44.0
5/9/2007 7:00	44.7	39.8
5/9/2007 8:00	31.1	22.4
5/9/2007 9:00	27.8	26.2
5/9/2007 10:00	32.5	31.3
5/9/2007 11:00	42.0	38.5
5/9/2007 12:00	37.0	40.6
5/9/2007 13:00	27.8	36.3
5/9/2007 14:00	24.8	29.2
5/9/2007 15:00	30.9	38.3
5/9/2007 16:00	45.5	33.9
5/9/2007 17:00	35.3	34.7
5/9/2007 18:00	27.5	29.9
5/9/2007 19:00	35.9	26.9
5/9/2007 20:00	22.7	25.7
5/9/2007 21:00	35.6	30.8
5/9/2007 22:00	33.8	35.0
5/9/2007 23:00	30.6	39.3
5/10/2007 0:00	20.8	27.1
5/10/2007 1:00	18.6	23.7
5/10/2007 2:00	17.2	20.9
5/10/2007 3:00	12.9	15.1
5/10/2007 4:00	14.0	19.8
5/10/2007 5:00	24.8	20.7
5/10/2007 6:00	21.9	18.8
5/10/2007 7:00	21.7	18.7
5/10/2007 8:00	17.5	20.0
5/10/2007 9:00	26.2	21.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/10/2007 10:00	28.9	24.6
5/10/2007 11:00	28.6	22.6
5/10/2007 12:00	28.4	18.4
5/10/2007 13:00	23.6	22.2
5/10/2007 14:00	19.6	33.2
5/10/2007 15:00	23.0	24.0
5/10/2007 16:00	20.6	24.8
5/10/2007 17:00	20.1	25.4
5/10/2007 18:00	21.6	28.7
5/10/2007 19:00	20.4	27.7
5/10/2007 20:00	26.7	23.5
5/10/2007 21:00	25.4	26.3
5/10/2007 22:00	27.0	34.6
5/10/2007 23:00	29.3	25.6
5/11/2007 0:00	24.9	31.2
5/11/2007 1:00	29.8	28.7
5/11/2007 2:00	34.4	31.0
5/11/2007 3:00	40.3	35.3
5/11/2007 4:00	32.6	35.0
5/11/2007 5:00	30.7	30.4
5/11/2007 6:00	36.3	33.2
5/11/2007 7:00	39.6	37.6
5/11/2007 8:00	47.0	37.8
5/11/2007 9:00	51.0	40.2
5/11/2007 10:00	29.2	32.1
5/11/2007 11:00	16.0	16.9
5/11/2007 12:00	14.7	20.3
5/11/2007 13:00	14.7	19.4
5/11/2007 14:00	17.3	21.0
5/11/2007 15:00	17.5	22.6
5/11/2007 16:00	17.9	21.6
5/11/2007 17:00	32.5	37.8
5/11/2007 18:00	31.8	32.4
5/11/2007 19:00	12.9	12.4
5/11/2007 20:00	12.2	11.5
5/11/2007 21:00	5.7	10.7
5/11/2007 22:00	4.9	10.4
5/11/2007 23:00	6.8	7.9
5/12/2007 0:00	6.8	8.2
5/12/2007 1:00	8.5	10.1
5/12/2007 2:00	7.7	9.0
5/12/2007 3:00	11.5	9.7
5/12/2007 4:00	14.4	6.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/12/2007 5:00	12.8	4.9
5/12/2007 6:00	11.2	8.8
5/12/2007 7:00	10.4	6.6
5/12/2007 8:00	7.2	4.4
5/12/2007 9:00	5.6	5.5
5/12/2007 10:00	6.6	6.7
5/12/2007 11:00	7.6	9.1
5/12/2007 12:00	9.4	10.1
5/12/2007 13:00	10.6	9.2
5/12/2007 14:00	8.4	6.5
5/12/2007 15:00	6.0	5.8
5/12/2007 16:00	10.3	7.5
5/12/2007 17:00	12.1	9.2
5/12/2007 18:00	10.0	9.9
5/12/2007 19:00	8.7	5.7
5/12/2007 20:00	7.5	4.0
5/12/2007 21:00	8.9	8.1
5/12/2007 22:00	8.5	13.5
5/12/2007 23:00	9.0	17.3
5/13/2007 0:00	7.5	14.5
5/13/2007 1:00	10.2	11.5
5/13/2007 2:00	16.7	9.9
5/13/2007 3:00	16.9	10.7
5/13/2007 4:00	14.1	14.3
5/13/2007 5:00	11.7	17.0
5/13/2007 6:00	12.5	17.6
5/13/2007 7:00	15.6	15.0
5/13/2007 8:00	14.7	15.4
5/13/2007 9:00	12.7	14.8
5/13/2007 10:00	10.6	10.6
5/13/2007 11:00	11.4	11.5
5/13/2007 12:00	10.6	10.0
5/13/2007 13:00	8.7	4.1
5/13/2007 14:00	9.3	4.0
5/13/2007 15:00	7.4	5.9
5/13/2007 16:00	10.5	4.9
5/13/2007 17:00	12.7	7.7
5/13/2007 18:00	10.1	9.2
5/13/2007 19:00	9.2	8.6
5/13/2007 20:00	7.2	8.6
5/13/2007 21:00	6.4	10.1
5/13/2007 22:00	7.8	15.3
5/13/2007 23:00	11.0	17.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/14/2007 0:00	15.4	17.0
5/14/2007 1:00	15.6	17.2
5/14/2007 2:00	15.8	16.5
5/14/2007 3:00	15.5	15.3
5/14/2007 4:00	15.2	14.6
5/14/2007 5:00	16.6	16.1
5/14/2007 6:00	17.6	18.7
5/14/2007 7:00	18.4	21.8
5/14/2007 8:00	21.0	25.2
5/14/2007 9:00	14.9	20.1
5/14/2007 10:00	14.1	17.7
5/14/2007 11:00	13.4	20.2
5/14/2007 12:00	15.9	11.7
5/14/2007 13:00	15.3	12.1
5/14/2007 14:00	12.0	8.5
5/14/2007 15:00	21.4	6.1
5/14/2007 16:00	19.6	33.8
5/14/2007 17:00	17.2	17.4
5/14/2007 18:00	17.3	17.0
5/14/2007 19:00	19.1	15.4
5/14/2007 20:00	22.3	16.6
5/14/2007 21:00	23.5	23.8
5/14/2007 22:00	18.4	23.5
5/14/2007 23:00	17.7	23.0
5/15/2007 0:00	21.0	20.7
5/15/2007 1:00	24.0	39.9
5/15/2007 2:00	21.1	14.9
5/15/2007 3:00	23.6	23.4
5/15/2007 4:00	24.8	19.3
5/15/2007 5:00	23.4	23.5
5/15/2007 6:00	21.7	24.1
5/15/2007 7:00	26.3	25.8
5/15/2007 8:00	26.1	16.1
5/15/2007 9:00	24.9	22.1
5/15/2007 10:00	29.6	19.9
5/15/2007 11:00	28.3	25.6
5/15/2007 12:00	16.5	31.3
5/15/2007 13:00	25.0	23.1
5/15/2007 14:00	25.2	32.6
5/15/2007 15:00	25.2	36.2
5/15/2007 16:00	24.3	24.9
5/15/2007 17:00	27.6	
5/15/2007 18:00	21.5	

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/15/2007 19:00	4.9	4.7
5/15/2007 20:00	25.2	20.0
5/15/2007 21:00	23.1	15.4
5/15/2007 22:00	20.7	17.2
5/15/2007 23:00	19.1	16.9
5/16/2007 0:00	17.9	16.2
5/16/2007 1:00	14.4	13.8
5/16/2007 2:00	12.6	12.9
5/16/2007 3:00	14.7	12.0
5/16/2007 4:00	14.5	12.0
5/16/2007 5:00	14.1	12.3
5/16/2007 6:00	14.7	10.7
5/16/2007 7:00	16.0	14.5
5/16/2007 8:00	14.4	16.8
5/16/2007 9:00	9.0	24.7
5/16/2007 10:00	6.1	14.1
5/16/2007 11:00	9.0	16.4
5/16/2007 12:00	11.6	18.2
5/16/2007 13:00	12.6	13.1
5/16/2007 14:00	16.2	9.3
5/16/2007 15:00	15.3	10.8
5/16/2007 16:00	13.6	12.0
5/16/2007 17:00	11.6	14.3
5/16/2007 18:00	9.1	13.4
5/16/2007 19:00	9.7	8.4
5/16/2007 20:00	12.3	9.0
5/16/2007 21:00	11.7	11.5
5/16/2007 22:00	12.7	22.6
5/16/2007 23:00	13.3	16.2
5/17/2007 0:00	10.9	14.4
5/17/2007 1:00	12.9	14.3
5/17/2007 2:00	12.8	14.0
5/17/2007 3:00	14.8	14.5
5/17/2007 4:00	12.6	14.3
5/17/2007 5:00	10.4	14.3
5/17/2007 6:00	10.1	13.6
5/17/2007 7:00	6.3	10.7
5/17/2007 8:00	9.0	10.9
5/17/2007 9:00	11.4	12.0
5/17/2007 10:00	9.6	9.2
5/17/2007 11:00	7.5	8.4
5/17/2007 12:00	8.5	13.8
5/17/2007 13:00	9.8	12.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/17/2007 14:00	10.6	12.3
5/17/2007 15:00	13.2	12.9
5/17/2007 16:00	12.3	11.1
5/17/2007 17:00	9.6	12.1
5/17/2007 18:00	13.9	14.4
5/17/2007 19:00	16.0	20.9
5/17/2007 20:00	24.0	18.7
5/17/2007 21:00	11.6	16.7
5/17/2007 22:00	24.0	22.0
5/17/2007 23:00	24.6	27.7
5/18/2007 0:00	31.0	28.1
5/18/2007 1:00	30.8	29.0
5/18/2007 2:00	33.4	27.2
5/18/2007 3:00	30.0	30.0
5/18/2007 4:00	28.9	22.3
5/18/2007 5:00	30.7	27.9
5/18/2007 6:00	31.9	26.1
5/18/2007 7:00	31.0	28.5
5/18/2007 8:00	22.5	18.6
5/18/2007 9:00	17.7	15.9
5/18/2007 10:00	15.8	12.9
5/18/2007 11:00	14.8	14.0
5/18/2007 12:00	14.0	15.5
5/18/2007 13:00	11.7	11.1
5/18/2007 14:00	6.7	6.4
5/18/2007 15:00	6.8	6.6
5/18/2007 16:00	12.4	8.0
5/18/2007 17:00	11.9	8.6
5/18/2007 18:00	12.9	9.9
5/18/2007 19:00	14.6	10.9
5/18/2007 20:00	13.9	10.2
5/18/2007 21:00	15.6	12.7
5/18/2007 22:00	15.4	25.1
5/18/2007 23:00	14.7	33.7
5/19/2007 0:00	17.8	29.2
5/19/2007 1:00	19.6	21.0
5/19/2007 2:00	19.1	23.1
5/19/2007 3:00	24.3	17.7
5/19/2007 4:00	23.9	17.6
5/19/2007 5:00	22.3	17.5
5/19/2007 6:00	20.2	16.6
5/19/2007 7:00	22.9	17.2
5/19/2007 8:00	21.5	16.5



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/19/2007 9:00	21.4	14.2
5/19/2007 10:00	17.9	13.6
5/19/2007 11:00	18.2	15.8
5/19/2007 12:00	18.6	22.2
5/19/2007 13:00	17.5	11.4
5/19/2007 14:00	15.7	11.6
5/19/2007 15:00	21.3	12.4
5/19/2007 16:00	17.9	16.0
5/19/2007 17:00	22.6	17.3
5/19/2007 18:00	25.9	16.1
5/19/2007 19:00	19.3	18.1
5/19/2007 20:00	24.1	16.6
5/19/2007 21:00	20.8	15.3
5/19/2007 22:00	22.9	19.9
5/19/2007 23:00	34.2	21.2
5/20/2007 0:00	32.5	34.4
5/20/2007 1:00	34.6	28.4
5/20/2007 2:00	33.3	28.9
5/20/2007 3:00	35.9	34.3
5/20/2007 4:00	39.7	34.3
5/20/2007 5:00	33.4	28.8
5/20/2007 6:00	36.2	31.0
5/20/2007 7:00	23.9	37.2
5/20/2007 8:00	25.9	25.9
5/20/2007 9:00	23.7	18.9
5/20/2007 10:00	19.8	20.4
5/20/2007 11:00	19.1	15.8
5/20/2007 12:00	21.3	20.1
5/20/2007 13:00	24.2	19.6
5/20/2007 14:00	18.7	18.2
5/20/2007 15:00	17.6	14.7
5/20/2007 16:00	15.8	12.4
5/20/2007 17:00	15.6	12.7
5/20/2007 18:00	14.9	9.2
5/20/2007 19:00	10.8	7.9
5/20/2007 20:00	20.1	11.6
5/20/2007 21:00	8.1	13.3
5/20/2007 22:00	10.3	15.3
5/20/2007 23:00	12.5	16.4
5/21/2007 0:00	11.0	15.5
5/21/2007 1:00	10.4	15.0
5/21/2007 2:00	10.0	15.0
5/21/2007 3:00	8.7	12.2

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/21/2007 4:00	10.2	11.7
5/21/2007 5:00	15.0	16.0
5/21/2007 6:00	18.1	26.3
5/21/2007 7:00	16.9	16.9
5/21/2007 8:00	17.0	16.3
5/21/2007 9:00	16.0	10.1
5/21/2007 10:00	15.6	5.2
5/21/2007 11:00	15.6	11.0
5/21/2007 12:00	14.9	14.6
5/21/2007 13:00	16.9	14.0
5/21/2007 14:00	18.4	16.7
5/21/2007 15:00	19.0	15.8
5/21/2007 16:00	18.7	13.3
5/21/2007 17:00	16.5	15.3
5/21/2007 18:00	14.7	14.2
5/21/2007 19:00	13.3	11.0
5/21/2007 20:00	12.7	9.0
5/21/2007 21:00	14.3	12.1
5/21/2007 22:00	15.4	17.6
5/21/2007 23:00	15.1	15.1
5/22/2007 0:00	14.7	14.8
5/22/2007 1:00	15.2	17.7
5/22/2007 2:00	11.4	17.3
5/22/2007 3:00	10.2	15.5
5/22/2007 4:00	11.4	14.1
5/22/2007 5:00	12.6	13.6
5/22/2007 6:00	16.3	13.9
5/22/2007 7:00	15.6	16.3
5/22/2007 8:00	13.7	17.5
5/22/2007 9:00	22.1	16.4
5/22/2007 10:00	23.5	23.3
5/22/2007 11:00	23.3	15.8
5/22/2007 12:00	29.7	29.5
5/22/2007 13:00	38.4	34.6
5/22/2007 14:00	34.3	35.4
5/22/2007 15:00	61.8	61.3
5/22/2007 16:00	38.7	26.9
5/22/2007 17:00	33.5	30.7
5/22/2007 18:00	36.9	30.7
5/22/2007 19:00	27.4	22.8
5/22/2007 20:00	31.9	22.5
5/22/2007 21:00	21.3	67.5
5/22/2007 22:00	22.3	24.3

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/22/2007 23:00	22.8	25.4
5/23/2007 0:00	21.6	27.3
5/23/2007 1:00	21.7	26.4
5/23/2007 2:00	25.9	25.9
5/23/2007 3:00	20.6	25.5
5/23/2007 4:00	26.5	30.4
5/23/2007 5:00	30.1	34.5
5/23/2007 6:00	32.8	34.5
5/23/2007 7:00	42.1	43.2
5/23/2007 8:00	41.9	38.7
5/23/2007 9:00	32.1	32.2
5/23/2007 10:00	35.3	31.4
5/23/2007 11:00	34.9	35.0
5/23/2007 12:00	42.2	33.0
5/23/2007 13:00	35.0	32.9
5/23/2007 14:00	31.5	38.1
5/23/2007 15:00	35.3	32.6
5/23/2007 16:00	41.7	4.7
5/23/2007 17:00	38.9	4.7
5/23/2007 18:00	35.4	31.0
5/23/2007 19:00	40.1	32.3
5/23/2007 20:00	31.6	33.9
5/23/2007 21:00	28.9	34.7
5/23/2007 22:00	32.4	34.6
5/23/2007 23:00	36.7	32.9
5/24/2007 0:00	34.4	32.4
5/24/2007 1:00	37.7	37.9
5/24/2007 2:00	40.5	36.6
5/24/2007 3:00	41.8	36.6
5/24/2007 4:00	43.4	44.7
5/24/2007 5:00	46.4	49.0
5/24/2007 6:00	53.9	48.7
5/24/2007 7:00	59.3	43.0
5/24/2007 8:00	57.3	50.3
5/24/2007 9:00	58.8	48.4
5/24/2007 10:00	57.8	58.6
5/24/2007 11:00	57.5	4.7
5/24/2007 12:00	46.1	36.7
5/24/2007 13:00	39.9	41.8
5/24/2007 14:00	32.7	28.7
5/24/2007 15:00	40.9	37.7
5/24/2007 16:00	45.5	40.2
5/24/2007 17:00	46.3	35.7

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/24/2007 18:00	40.4	36.9
5/24/2007 19:00	40.9	37.8
5/24/2007 20:00	41.7	39.3
5/24/2007 21:00	42.8	47.0
5/24/2007 22:00	38.1	41.1
5/24/2007 23:00	37.3	40.5
5/25/2007 0:00	43.3	38.0
5/25/2007 1:00	39.1	39.7
5/25/2007 2:00	39.8	36.6
5/25/2007 3:00	37.9	38.4
5/25/2007 4:00	41.3	38.3
5/25/2007 5:00	43.5	41.3
5/25/2007 6:00	43.4	38.6
5/25/2007 7:00	48.0	42.7
5/25/2007 8:00	44.6	46.6
5/25/2007 9:00	45.5	45.8
5/25/2007 10:00	36.7	38.8
5/25/2007 11:00	34.2	33.9
5/25/2007 12:00	21.2	22.7
5/25/2007 13:00	17.8	17.8
5/25/2007 14:00	21.8	18.5
5/25/2007 15:00	19.1	18.5
5/25/2007 16:00	18.0	22.4
5/25/2007 17:00	15.3	12.5
5/25/2007 18:00	13.3	14.9
5/25/2007 19:00	13.8	16.3
5/25/2007 20:00	14.1	14.5
5/25/2007 21:00	14.0	11.8
5/25/2007 22:00	20.6	14.0
5/25/2007 23:00	20.0	13.7
5/26/2007 0:00	17.6	12.7
5/26/2007 1:00	20.9	16.6
5/26/2007 2:00	22.5	26.6
5/26/2007 3:00	22.2	22.5
5/26/2007 4:00	17.3	21.7
5/26/2007 5:00	26.4	29.6
5/26/2007 6:00	25.0	29.6
5/26/2007 7:00	20.7	19.8
5/26/2007 8:00	11.6	19.2
5/26/2007 9:00	20.9	20.0
5/26/2007 10:00	9.9	15.9
5/26/2007 11:00	13.9	15.2
5/26/2007 12:00	18.5	23.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/26/2007 13:00	18.6	15.9
5/26/2007 14:00	14.5	17.2
5/26/2007 15:00	11.8	15.9
5/26/2007 16:00	13.9	13.1
5/26/2007 17:00	15.0	13.9
5/26/2007 18:00	20.5	15.1
5/26/2007 19:00	15.1	13.6
5/26/2007 20:00	15.8	14.3
5/26/2007 21:00	16.8	21.5
5/26/2007 22:00	16.4	17.4
5/26/2007 23:00	16.3	16.6
5/27/2007 0:00	20.4	15.5
5/27/2007 1:00	22.1	26.1
5/27/2007 2:00	30.0	30.5
5/27/2007 3:00	21.8	27.8
5/27/2007 4:00	26.5	22.2
5/27/2007 5:00	28.9	31.4
5/27/2007 6:00	35.1	34.3
5/27/2007 7:00	41.5	36.5
5/27/2007 8:00	23.5	27.4
5/27/2007 9:00	14.6	13.8
5/27/2007 10:00	16.9	20.8
5/27/2007 11:00	18.1	18.3
5/27/2007 12:00	21.2	16.9
5/27/2007 13:00	25.2	22.8
5/27/2007 14:00	20.8	20.0
5/27/2007 15:00	14.1	22.0
5/27/2007 16:00	15.1	16.0
5/27/2007 17:00	17.3	22.0
5/27/2007 18:00	17.5	16.2
5/27/2007 19:00	17.5	15.9
5/27/2007 20:00	20.2	13.8
5/27/2007 21:00	11.8	22.0
5/27/2007 22:00	13.5	21.5
5/27/2007 23:00	15.5	15.4
5/28/2007 0:00	20.2	20.0
5/28/2007 1:00	17.4	18.0
5/28/2007 2:00	23.5	27.8
5/28/2007 3:00	19.4	23.3
5/28/2007 4:00	24.0	23.6
5/28/2007 5:00	20.3	26.5
5/28/2007 6:00	23.2	21.8
5/28/2007 7:00	25.1	18.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/28/2007 8:00	23.5	12.7
5/28/2007 9:00	24.0	11.4
5/28/2007 10:00	16.4	17.3
5/28/2007 11:00	17.5	18.1
5/28/2007 12:00	17.7	15.6
5/28/2007 13:00	22.0	15.9
5/28/2007 14:00	15.7	16.0
5/28/2007 15:00	13.6	13.8
5/28/2007 16:00	12.9	11.2
5/28/2007 17:00	14.8	9.9
5/28/2007 18:00	14.5	10.7
5/28/2007 19:00	15.4	14.6
5/28/2007 20:00	15.6	23.2
5/28/2007 21:00	16.6	16.9
5/28/2007 22:00	15.0	26.5
5/28/2007 23:00	22.9	22.1
5/29/2007 0:00	20.3	27.0
5/29/2007 1:00	24.6	30.8
5/29/2007 2:00	27.8	26.5
5/29/2007 3:00	20.0	24.7
5/29/2007 4:00	27.1	30.9
5/29/2007 5:00	20.6	23.5
5/29/2007 6:00	22.2	20.3
5/29/2007 7:00	23.7	25.4
5/29/2007 8:00	27.5	25.0
5/29/2007 9:00	15.9	14.5
5/29/2007 10:00	16.0	15.6
5/29/2007 11:00	14.2	12.9
5/29/2007 12:00	16.0	12.6
5/29/2007 13:00	24.5	20.0
5/29/2007 14:00	19.5	12.3
5/29/2007 15:00	22.3	20.6
5/29/2007 16:00	20.3	28.5
5/29/2007 17:00	12.5	20.2
5/29/2007 18:00	14.7	20.5
5/29/2007 19:00	16.8	16.6
5/29/2007 20:00	24.7	26.9
5/29/2007 21:00	21.4	17.9
5/29/2007 22:00	11.6	20.7
5/29/2007 23:00	10.1	18.1
5/30/2007 0:00	9.8	16.3
5/30/2007 1:00	13.2	13.5
5/30/2007 2:00	13.7	13.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/30/2007 3:00	13.4	16.8
5/30/2007 4:00	15.4	15.6
5/30/2007 5:00	13.5	14.1
5/30/2007 6:00	14.2	15.9
5/30/2007 7:00	17.4	15.9
5/30/2007 8:00	18.2	20.0
5/30/2007 9:00	30.0	28.5
5/30/2007 10:00	39.0	36.1
5/30/2007 11:00	56.3	51.8
5/30/2007 12:00	48.8	54.8
5/30/2007 13:00	43.4	54.0
5/30/2007 14:00	47.4	55.9
5/30/2007 15:00	62.3	60.1
5/30/2007 16:00	60.9	64.8
5/30/2007 17:00	73.3	67.5
5/30/2007 18:00	64.1	58.2
5/30/2007 19:00	59.9	57.6
5/30/2007 20:00	48.4	49.3
5/30/2007 21:00	50.2	47.5
5/30/2007 22:00	39.2	47.9
5/30/2007 23:00	53.9	49.3
5/31/2007 0:00	48.4	47.5
5/31/2007 1:00	52.8	44.7
5/31/2007 2:00	50.2	40.8
5/31/2007 3:00	54.3	41.7
5/31/2007 4:00	47.8	51.1
5/31/2007 5:00	47.8	51.2
5/31/2007 6:00	47.9	48.1
5/31/2007 7:00	53.7	46.2
5/31/2007 8:00	52.3	49.4
5/31/2007 9:00	47.4	44.6
5/31/2007 10:00	44.7	39.1
5/31/2007 11:00	42.4	42.8
5/31/2007 12:00	31.8	38.8
5/31/2007 13:00	41.5	38.3
5/31/2007 14:00	36.1	41.9
5/31/2007 15:00	31.9	38.9
5/31/2007 16:00	37.2	41.0
5/31/2007 17:00	44.4	43.6
5/31/2007 18:00	33.9	38.0
5/31/2007 19:00	35.4	33.7
5/31/2007 20:00	31.9	36.9
5/31/2007 21:00	37.1	36.9

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
5/31/2007 22:00	34.2	39.2
5/31/2007 23:00	37.9	37.6
6/1/2007 0:00	39.0	39.2
6/1/2007 1:00	40.4	31.5
6/1/2007 2:00	33.4	35.4
6/1/2007 3:00	34.8	40.3
6/1/2007 4:00	36.5	33.3
6/1/2007 5:00	41.1	36.6
6/1/2007 6:00	39.3	38.0
6/1/2007 7:00	37.6	41.0
6/1/2007 8:00	46.4	33.9
6/1/2007 9:00	43.4	47.0
6/1/2007 10:00	43.8	40.8
6/1/2007 11:00	51.2	52.7
6/1/2007 12:00	44.1	54.8
6/1/2007 13:00	48.1	52.0
6/1/2007 14:00	43.2	38.7
6/1/2007 15:00	42.8	34.8
6/1/2007 16:00	45.6	49.3
6/1/2007 17:00	46.1	43.5
6/1/2007 18:00	43.2	46.1
6/1/2007 19:00	40.7	46.0
6/1/2007 20:00	39.3	44.6
6/1/2007 21:00	35.7	34.7
6/1/2007 22:00	35.7	37.7
6/1/2007 23:00	38.4	40.6
6/2/2007 0:00	34.6	46.3
6/2/2007 1:00	38.2	38.4
6/2/2007 2:00	42.1	35.3
6/2/2007 3:00	38.4	34.5
6/2/2007 4:00	42.0	40.4
6/2/2007 5:00	29.0	43.1
6/2/2007 6:00	46.8	42.2
6/2/2007 7:00	39.4	45.6
6/2/2007 8:00	31.7	35.8
6/2/2007 9:00	42.9	39.7
6/2/2007 10:00	32.7	36.7
6/2/2007 11:00	32.7	39.3
6/2/2007 12:00	32.5	33.5
6/2/2007 13:00	31.4	36.2
6/2/2007 14:00	28.1	44.8
6/2/2007 15:00	36.0	30.4
6/2/2007 16:00	28.9	35.3



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/2/2007 17:00	34.0	34.1
6/2/2007 18:00	30.9	31.1
6/2/2007 19:00	18.7	20.5
6/2/2007 20:00	20.7	22.8
6/2/2007 21:00	21.5	20.5
6/2/2007 22:00	20.0	20.5
6/2/2007 23:00	26.9	23.6
6/3/2007 0:00	18.4	29.2
6/3/2007 1:00	29.7	30.9
6/3/2007 2:00	31.9	26.5
6/3/2007 3:00	26.8	31.3
6/3/2007 4:00	25.2	35.2
6/3/2007 5:00	20.8	21.3
6/3/2007 6:00	18.9	22.4
6/3/2007 7:00	22.3	34.1
6/3/2007 8:00	28.4	28.0
6/3/2007 9:00	35.9	35.5
6/3/2007 10:00	33.0	33.2
6/3/2007 11:00	28.8	33.0
6/3/2007 12:00	26.8	29.0
6/3/2007 13:00	38.1	38.3
6/3/2007 14:00	15.6	9.9
6/3/2007 15:00	13.7	12.5
6/3/2007 16:00	14.8	17.4
6/3/2007 17:00	16.0	25.8
6/3/2007 18:00	15.1	21.0
6/3/2007 19:00	14.8	20.2
6/3/2007 20:00	15.3	17.4
6/3/2007 21:00	24.0	26.9
6/3/2007 22:00	24.4	24.3
6/3/2007 23:00	21.0	26.3
6/4/2007 0:00	20.5	22.8
6/4/2007 1:00	17.9	18.4
6/4/2007 2:00	25.0	26.0
6/4/2007 3:00	21.7	26.3
6/4/2007 4:00	24.4	26.3
6/4/2007 5:00	19.8	21.4
6/4/2007 6:00	22.9	20.0
6/4/2007 7:00	20.8	18.2
6/4/2007 8:00	31.7	32.6
6/4/2007 9:00	34.0	37.1
6/4/2007 10:00	31.9	30.4
6/4/2007 11:00	19.8	26.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/4/2007 12:00	19.0	23.7
6/4/2007 13:00	17.8	24.1
6/4/2007 14:00	14.9	15.7
6/4/2007 15:00	13.7	17.5
6/4/2007 16:00	15.0	18.6
6/4/2007 17:00	14.2	15.3
6/4/2007 18:00	21.1	10.1
6/4/2007 19:00	14.2	9.6
6/4/2007 20:00	15.4	14.7
6/4/2007 21:00	17.0	15.1
6/4/2007 22:00	17.1	14.5
6/4/2007 23:00	16.7	17.6
6/5/2007 0:00	22.6	18.5
6/5/2007 1:00	12.3	15.5
6/5/2007 2:00	20.2	19.6
6/5/2007 3:00	8.5	11.1
6/5/2007 4:00	9.1	9.8
6/5/2007 5:00	6.8	9.5
6/5/2007 6:00	5.5	8.6
6/5/2007 7:00	10.0	9.3
6/5/2007 8:00	12.3	9.2
6/5/2007 9:00	9.5	8.8
6/5/2007 10:00	7.9	9.0
6/5/2007 11:00	8.5	8.7
6/5/2007 12:00	9.5	11.4
6/5/2007 13:00	9.1	9.7
6/5/2007 14:00	8.7	8.7
6/5/2007 15:00	11.2	13.8
6/5/2007 16:00	15.0	17.0
6/5/2007 17:00	16.7	14.6
6/5/2007 18:00	15.0	10.7
6/5/2007 19:00	14.3	10.7
6/5/2007 20:00	13.6	11.4
6/5/2007 21:00	14.0	14.1
6/5/2007 22:00	13.7	18.7
6/5/2007 23:00	14.7	20.1
6/6/2007 0:00	15.2	18.4
6/6/2007 1:00	11.9	23.4
6/6/2007 2:00	9.8	5.5
6/6/2007 3:00	12.0	7.9
6/6/2007 4:00	13.5	12.6
6/6/2007 5:00	14.1	17.0
6/6/2007 6:00	18.0	24.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/6/2007 7:00	18.2	22.3
6/6/2007 8:00	25.9	16.8
6/6/2007 9:00	16.2	13.1
6/6/2007 10:00	16.4	6.6
6/6/2007 11:00	15.6	7.3
6/6/2007 12:00	14.6	10.4
6/6/2007 13:00	11.4	8.2
6/6/2007 14:00	13.0	7.4
6/6/2007 15:00	14.9	13.0
6/6/2007 16:00	12.5	12.6
6/6/2007 17:00	12.8	5.3
6/6/2007 18:00	20.1	7.2
6/6/2007 19:00	17.1	13.4
6/6/2007 20:00	15.6	14.2
6/6/2007 21:00	13.6	10.0
6/6/2007 22:00	12.7	8.6
6/6/2007 23:00	14.6	10.7
6/7/2007 0:00	15.6	20.3
6/7/2007 1:00	13.6	17.3
6/7/2007 2:00	15.1	22.5
6/7/2007 3:00	14.8	15.5
6/7/2007 4:00	11.0	20.3
6/7/2007 5:00	22.0	20.3
6/7/2007 6:00	26.5	28.7
6/7/2007 7:00	35.1	25.4
6/7/2007 8:00	24.6	27.5
6/7/2007 9:00	23.7	26.6
6/7/2007 10:00	23.1	18.4
6/7/2007 11:00	25.4	18.2
6/7/2007 12:00	22.0	23.9
6/7/2007 13:00	23.1	22.8
6/7/2007 14:00	21.6	22.2
6/7/2007 15:00	23.3	27.1
6/7/2007 16:00	25.9	22.0
6/7/2007 17:00	20.8	21.5
6/7/2007 18:00	24.9	24.6
6/7/2007 19:00	25.0	26.6
6/7/2007 20:00	22.3	25.2
6/7/2007 21:00	29.4	26.4
6/7/2007 22:00	35.0	36.1
6/7/2007 23:00	33.8	29.9
6/8/2007 0:00	23.6	30.9
6/8/2007 1:00	25.1	26.0

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/8/2007 2:00	23.4	29.8
6/8/2007 3:00	25.2	23.8
6/8/2007 4:00	22.9	20.2
6/8/2007 5:00	17.8	20.3
6/8/2007 6:00	23.3	19.2
6/8/2007 7:00	18.7	21.4
6/8/2007 8:00	24.1	21.3
6/8/2007 9:00	22.9	18.1
6/8/2007 10:00	27.3	27.2
6/8/2007 11:00	31.5	22.4
6/8/2007 12:00	24.5	28.0
6/8/2007 13:00	37.7	38.3
6/8/2007 14:00	30.2	32.3
6/8/2007 15:00	25.8	25.8
6/8/2007 16:00	24.7	26.7
6/8/2007 17:00	25.1	23.1
6/8/2007 18:00	21.7	20.7
6/8/2007 19:00	19.5	19.1
6/8/2007 20:00	15.8	18.4
6/8/2007 21:00	10.6	17.2
6/8/2007 22:00	12.5	16.5
6/8/2007 23:00	13.9	15.1
6/9/2007 0:00	13.7	13.4
6/9/2007 1:00	14.6	13.1
6/9/2007 2:00	15.0	15.5
6/9/2007 3:00	15.8	21.4
6/9/2007 4:00	15.8	18.5
6/9/2007 5:00	18.0	20.1
6/9/2007 6:00	18.7	18.3
6/9/2007 7:00	15.2	15.3
6/9/2007 8:00	13.5	13.7
6/9/2007 9:00	14.3	11.2
6/9/2007 10:00	14.8	7.7
6/9/2007 11:00	11.7	7.9
6/9/2007 12:00	8.5	9.6
6/9/2007 13:00	11.2	11.2
6/9/2007 14:00	14.3	9.1
6/9/2007 15:00	28.1	10.6
6/9/2007 16:00	26.5	14.3
6/9/2007 17:00	13.5	15.3
6/9/2007 18:00	16.3	10.3
6/9/2007 19:00	16.0	11.7
6/9/2007 20:00	16.2	16.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/9/2007 21:00	19.5	15.3
6/9/2007 22:00	18.9	16.7
6/9/2007 23:00	25.3	24.7
6/10/2007 0:00	24.8	24.8
6/10/2007 1:00	22.7	32.9
6/10/2007 2:00	27.6	20.0
6/10/2007 3:00	25.3	27.0
6/10/2007 4:00	28.4	21.3
6/10/2007 5:00	30.1	28.5
6/10/2007 6:00	28.9	27.2
6/10/2007 7:00	30.9	33.7
6/10/2007 8:00	26.5	32.1
6/10/2007 9:00	32.0	30.5
6/10/2007 10:00	26.1	30.6
6/10/2007 11:00	12.6	18.1
6/10/2007 12:00	14.8	17.4
6/10/2007 13:00	28.5	17.0
6/10/2007 14:00	20.6	21.3
6/10/2007 15:00	23.9	18.2
6/10/2007 16:00	31.1	21.1
6/10/2007 17:00	22.9	18.6
6/10/2007 18:00	24.4	25.9
6/10/2007 19:00	15.8	16.1
6/10/2007 20:00	16.2	21.4
6/10/2007 21:00	15.5	12.5
6/10/2007 22:00	21.8	12.5
6/10/2007 23:00	22.9	11.0
6/11/2007 0:00	22.4	11.2
6/11/2007 1:00	22.7	21.1
6/11/2007 2:00	23.3	23.2
6/11/2007 3:00	17.0	18.4
6/11/2007 4:00	21.5	18.7
6/11/2007 5:00	26.3	19.0
6/11/2007 6:00	22.3	26.9
6/11/2007 7:00	24.8	21.7
6/11/2007 8:00	26.3	19.4
6/11/2007 9:00	33.0	28.7
6/11/2007 10:00	46.6	42.2
6/11/2007 11:00	26.4	25.0
6/11/2007 12:00	30.9	28.8
6/11/2007 13:00	35.6	25.3
6/11/2007 14:00	24.4	30.7
6/11/2007 15:00	35.9	36.6

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/11/2007 16:00	34.4	35.7
6/11/2007 17:00	41.6	35.4
6/11/2007 18:00	36.1	39.7
6/11/2007 19:00	24.6	19.1
6/11/2007 20:00	20.4	13.9
6/11/2007 21:00	14.1	13.9
6/11/2007 22:00	24.6	31.9
6/11/2007 23:00	26.0	33.2
6/12/2007 0:00	30.3	38.0
6/12/2007 1:00	24.2	27.9
6/12/2007 2:00	25.9	17.0
6/12/2007 3:00	22.8	18.3
6/12/2007 4:00	21.4	18.1
6/12/2007 5:00	21.2	23.4
6/12/2007 6:00	21.5	19.6
6/12/2007 7:00	22.5	23.7
6/12/2007 8:00	24.8	28.9
6/12/2007 9:00	20.8	25.1
6/12/2007 10:00	27.3	22.4
6/12/2007 11:00	20.5	27.1
6/12/2007 12:00	32.1	28.1
6/12/2007 13:00	26.9	25.5
6/12/2007 14:00	15.7	20.9
6/12/2007 15:00	22.7	25.2
6/12/2007 16:00	18.2	15.1
6/12/2007 17:00	18.1	16.4
6/12/2007 18:00	17.3	23.5
6/12/2007 19:00	16.8	19.4
6/12/2007 20:00	18.1	21.1
6/12/2007 21:00	18.3	22.9
6/12/2007 22:00	14.8	18.8
6/12/2007 23:00	22.8	22.3
6/13/2007 0:00	21.9	20.2
6/13/2007 1:00	22.7	19.8
6/13/2007 2:00	25.6	19.0
6/13/2007 3:00	23.0	18.7
6/13/2007 4:00	27.3	18.9
6/13/2007 5:00	27.8	21.0
6/13/2007 6:00	18.6	26.5
6/13/2007 7:00	23.2	26.2
6/13/2007 8:00	16.6	21.7
6/13/2007 9:00	20.8	24.4
6/13/2007 10:00	31.8	22.2

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/13/2007 11:00	33.0	28.0
6/13/2007 12:00	27.5	25.7
6/13/2007 13:00	17.6	27.2
6/13/2007 14:00	26.2	24.9
6/13/2007 15:00	18.0	24.6
6/13/2007 16:00	22.0	21.4
6/13/2007 17:00	12.5	21.4
6/13/2007 18:00	15.2	22.5
6/13/2007 19:00	17.8	31.7
6/13/2007 20:00	22.9	23.7
6/13/2007 21:00	17.3	27.8
6/13/2007 22:00	17.4	25.4
6/13/2007 23:00	16.4	18.3
6/14/2007 0:00	17.4	21.3
6/14/2007 1:00	25.5	27.0
6/14/2007 2:00	29.8	26.6
6/14/2007 3:00	32.1	23.9
6/14/2007 4:00	30.1	28.4
6/14/2007 5:00	30.3	27.6
6/14/2007 6:00	32.3	35.6
6/14/2007 7:00	34.3	36.7
6/14/2007 8:00	27.3	25.0
6/14/2007 9:00	28.3	20.3
6/14/2007 10:00	19.1	25.8
6/14/2007 11:00	17.3	21.6
6/14/2007 12:00	16.4	14.8
6/14/2007 13:00	18.1	15.6
6/14/2007 14:00	17.8	23.8
6/14/2007 15:00	17.9	22.1
6/14/2007 16:00	16.8	20.4
6/14/2007 17:00	14.5	20.3
6/14/2007 18:00	25.2	16.1
6/14/2007 19:00	18.3	17.3
6/14/2007 20:00	20.4	23.6
6/14/2007 21:00	18.5	21.9
6/14/2007 22:00	18.9	19.5
6/14/2007 23:00	15.0	19.0
6/15/2007 0:00	14.3	27.9
6/15/2007 1:00	20.4	17.5
6/15/2007 2:00	22.3	25.5
6/15/2007 3:00	24.2	15.9
6/15/2007 4:00	21.7	17.0
6/15/2007 5:00	21.0	20.2

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/15/2007 6:00	21.9	18.9
6/15/2007 7:00	20.1	16.8
6/15/2007 8:00	17.9	16.2
6/15/2007 9:00	17.8	16.5
6/15/2007 10:00	18.5	14.1
6/15/2007 11:00	20.8	15.1
6/15/2007 12:00	13.3	17.4
6/15/2007 13:00	14.3	17.4
6/15/2007 14:00	17.4	14.6
6/15/2007 15:00	17.5	43.6
6/15/2007 16:00	16.3	20.6
6/15/2007 17:00	21.6	29.5
6/15/2007 18:00	26.4	27.0
6/15/2007 19:00	26.5	13.7
6/15/2007 20:00	14.3	16.6
6/15/2007 21:00	13.6	18.4
6/15/2007 22:00	11.9	18.2
6/15/2007 23:00	37.5	21.0
6/16/2007 0:00	30.9	25.6
6/16/2007 1:00	27.7	31.1
6/16/2007 2:00	29.8	29.8
6/16/2007 3:00	30.9	30.6
6/16/2007 4:00	27.1	23.1
6/16/2007 5:00	25.0	27.5
6/16/2007 6:00	21.2	23.9
6/16/2007 7:00	20.3	26.3
6/16/2007 8:00	26.9	24.8
6/16/2007 9:00	23.5	22.9
6/16/2007 10:00	23.3	23.3
6/16/2007 11:00	26.9	38.0
6/16/2007 12:00	27.0	25.9
6/16/2007 13:00	17.1	25.0
6/16/2007 14:00	17.5	21.6
6/16/2007 15:00	25.4	21.4
6/16/2007 16:00	25.9	30.4
6/16/2007 17:00	24.7	31.9
6/16/2007 18:00	31.0	28.7
6/16/2007 19:00	40.2	42.9
6/16/2007 20:00	27.8	35.5
6/16/2007 21:00	34.9	25.0
6/16/2007 22:00	21.8	35.2
6/16/2007 23:00	36.7	39.5
6/17/2007 0:00	32.1	35.2



## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/17/2007 1:00	33.8	34.7
6/17/2007 2:00	28.8	34.3
6/17/2007 3:00	38.2	28.9
6/17/2007 4:00	37.6	36.2
6/17/2007 5:00	36.6	42.6
6/17/2007 6:00	40.3	37.5
6/17/2007 7:00	41.2	47.7
6/17/2007 8:00	43.0	50.1
6/17/2007 9:00	27.1	44.0
6/17/2007 10:00	38.8	39.0
6/17/2007 11:00	30.0	29.6
6/17/2007 12:00	26.0	34.5
6/17/2007 13:00	27.5	32.5
6/17/2007 14:00	13.7	28.0
6/17/2007 15:00	21.0	18.8
6/17/2007 16:00	27.6	24.3
6/17/2007 17:00	26.6	33.9
6/17/2007 18:00	31.4	38.5
6/17/2007 19:00	37.1	35.6
6/17/2007 20:00	33.7	32.4
6/17/2007 21:00	36.3	28.3
6/17/2007 22:00	16.5	17.9
6/17/2007 23:00	17.9	17.6
6/18/2007 0:00	14.8	16.8
6/18/2007 1:00	10.1	15.3
6/18/2007 2:00	13.3	16.9
6/18/2007 3:00	15.8	21.2
6/18/2007 4:00	36.5	21.7
6/18/2007 5:00	28.9	31.3
6/18/2007 6:00	26.1	24.6
6/18/2007 7:00	28.6	23.1
6/18/2007 8:00	26.9	28.2
6/18/2007 9:00	33.4	42.1
6/18/2007 10:00	34.6	36.7
6/18/2007 11:00	34.2	35.6
6/18/2007 12:00	42.0	42.5
6/18/2007 13:00	34.8	46.4
6/18/2007 14:00	39.0	46.2
6/18/2007 15:00	43.8	49.3
6/18/2007 16:00	37.6	41.4
6/18/2007 17:00	37.5	41.8
6/18/2007 18:00	38.5	35.7
6/18/2007 19:00	39.4	40.8

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/18/2007 20:00	44.3	48.3
6/18/2007 21:00	45.0	39.3
6/18/2007 22:00	43.5	48.6
6/18/2007 23:00	53.0	47.9
6/19/2007 0:00	48.4	52.5
6/19/2007 1:00	34.6	38.8
6/19/2007 2:00	17.5	28.5
6/19/2007 3:00	22.9	27.4
6/19/2007 4:00	26.1	25.1
6/19/2007 5:00	25.3	27.7
6/19/2007 6:00	26.6	36.7
6/19/2007 7:00	34.6	33.1
6/19/2007 8:00	18.1	25.0
6/19/2007 9:00	21.1	25.7
6/19/2007 10:00	20.0	20.2
6/19/2007 11:00	31.9	28.6
6/19/2007 12:00	26.1	32.6
6/19/2007 13:00	17.0	17.9
6/19/2007 14:00	17.3	20.0
6/19/2007 15:00	13.5	18.0
6/19/2007 16:00	12.7	15.9
6/19/2007 17:00	14.6	13.8
6/19/2007 18:00	13.9	13.3
6/19/2007 19:00	16.2	19.7
6/19/2007 20:00	17.5	11.8
6/19/2007 21:00	14.0	21.8
6/19/2007 22:00	15.0	22.6
6/19/2007 23:00	13.7	19.8
6/20/2007 0:00	13.1	16.8
6/20/2007 1:00	16.7	18.1
6/20/2007 2:00	16.8	23.2
6/20/2007 3:00	18.8	21.9
6/20/2007 4:00	19.7	24.5
6/20/2007 5:00	21.8	26.6
6/20/2007 6:00	21.5	27.1
6/20/2007 7:00	24.8	25.6
6/20/2007 8:00	26.6	12.9
6/20/2007 9:00	24.6	13.5
6/20/2007 10:00	18.3	21.6
6/20/2007 11:00	15.6	16.3
6/20/2007 12:00	10.2	17.9
6/20/2007 13:00	6.4	18.1
6/20/2007 14:00	12.1	14.4

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/20/2007 15:00	15.0	9.7
6/20/2007 16:00	13.1	8.9
6/20/2007 17:00	14.7	10.1
6/20/2007 18:00	15.7	11.4
6/20/2007 19:00	15.6	22.3
6/20/2007 20:00	14.3	12.0
6/20/2007 21:00	16.5	13.5
6/20/2007 22:00	15.4	16.8
6/20/2007 23:00	22.5	18.3
6/21/2007 0:00	23.1	18.9
6/21/2007 1:00	24.7	22.8
6/21/2007 2:00	26.5	12.8
6/21/2007 3:00	23.2	16.1
6/21/2007 4:00	21.6	19.8
6/21/2007 5:00	32.3	29.5
6/21/2007 6:00	20.1	29.2
6/21/2007 7:00	24.6	25.4
6/21/2007 8:00	28.8	23.6
6/21/2007 9:00	24.8	24.9
6/21/2007 10:00	22.2	26.0
6/21/2007 11:00	18.4	22.3
6/21/2007 12:00	17.2	19.1
6/21/2007 13:00	22.9	28.4
6/21/2007 14:00	23.7	24.4
6/21/2007 15:00	25.6	21.8
6/21/2007 16:00	12.9	16.4
6/21/2007 17:00	13.8	16.2
6/21/2007 18:00	13.6	16.0
6/21/2007 19:00	13.8	14.3
6/21/2007 20:00	15.8	10.9
6/21/2007 21:00	12.7	13.2
6/21/2007 22:00	9.6	17.6
6/21/2007 23:00	5.6	17.9
6/22/2007 0:00	6.9	16.3
6/22/2007 1:00	15.0	13.1
6/22/2007 2:00	21.7	27.7
6/22/2007 3:00	19.6	25.2
6/22/2007 4:00	19.5	27.3
6/22/2007 5:00	26.0	20.5
6/22/2007 6:00	23.9	17.8
6/22/2007 7:00	17.4	20.3
6/22/2007 8:00	15.3	11.8
6/22/2007 9:00	13.3	11.7

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/22/2007 10:00	15.4	13.1
6/22/2007 11:00	15.1	11.9
6/22/2007 12:00	8.9	7.2
6/22/2007 13:00	9.1	9.9
6/22/2007 14:00	13.6	15.8
6/22/2007 15:00	15.4	15.5
6/22/2007 16:00	13.5	15.5
6/22/2007 17:00	11.8	16.1
6/22/2007 18:00	21.0	20.9
6/22/2007 19:00	21.2	13.9
6/22/2007 20:00	13.1	13.5
6/22/2007 21:00	15.1	22.2
6/22/2007 22:00	14.1	16.7
6/22/2007 23:00	15.4	22.3
6/23/2007 0:00	19.2	19.6
6/23/2007 1:00	20.6	19.8
6/23/2007 2:00	25.4	24.7
6/23/2007 3:00	21.0	26.0
6/23/2007 4:00	19.4	21.1
6/23/2007 5:00	19.0	20.9
6/23/2007 6:00	17.6	13.1
6/23/2007 7:00	14.3	14.2
6/23/2007 8:00	13.0	11.3
6/23/2007 9:00	11.6	7.5
6/23/2007 10:00	7.2	6.8
6/23/2007 11:00	5.4	5.8
6/23/2007 12:00	9.7	8.1
6/23/2007 13:00	12.2	8.1
6/23/2007 14:00	10.6	10.2
6/23/2007 15:00	10.0	14.4
6/23/2007 16:00	10.8	12.2
6/23/2007 17:00	11.6	10.1
6/23/2007 18:00	9.7	11.6
6/23/2007 19:00	10.1	12.1
6/23/2007 20:00	12.5	12.9
6/23/2007 21:00	9.3	13.0
6/23/2007 22:00	6.0	11.3
6/23/2007 23:00	10.5	12.0
6/24/2007 0:00	12.2	15.1
6/24/2007 1:00	14.3	25.1
6/24/2007 2:00	26.6	17.2
6/24/2007 3:00	21.7	23.3
6/24/2007 4:00	21.4	20.9

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/24/2007 5:00	16.1	17.2
6/24/2007 6:00	15.2	15.1
6/24/2007 7:00	16.9	14.2
6/24/2007 8:00	20.5	16.1
6/24/2007 9:00	11.9	16.1
6/24/2007 10:00	15.1	14.3
6/24/2007 11:00	18.6	21.1
6/24/2007 12:00	16.1	19.8
6/24/2007 13:00	15.8	16.9
6/24/2007 14:00	18.4	17.1
6/24/2007 15:00	22.9	21.8
6/24/2007 16:00	30.2	31.2
6/24/2007 17:00	28.4	33.3
6/24/2007 18:00	31.7	34.3
6/24/2007 19:00	30.3	29.8
6/24/2007 20:00	32.8	29.0
6/24/2007 21:00	27.3	25.4
6/24/2007 22:00	30.2	30.6
6/24/2007 23:00	29.2	26.5
6/25/2007 0:00	37.8	28.1
6/25/2007 1:00	29.4	30.7
6/25/2007 2:00	36.4	39.5
6/25/2007 3:00	33.5	44.3
6/25/2007 4:00	39.0	40.1
6/25/2007 5:00	38.9	41.3
6/25/2007 6:00	45.5	41.2
6/25/2007 7:00	46.8	43.8
6/25/2007 8:00	42.0	39.6
6/25/2007 9:00	46.4	43.0
6/25/2007 10:00	44.4	47.6
6/25/2007 11:00	32.1	33.7
6/25/2007 12:00	24.2	31.8
6/25/2007 13:00	28.3	35.4
6/25/2007 14:00	37.6	38.0
6/25/2007 15:00	39.1	28.6
6/25/2007 16:00	25.9	30.4
6/25/2007 17:00	42.3	45.5
6/25/2007 18:00	46.5	43.5
6/25/2007 19:00	47.9	43.5
6/25/2007 20:00	49.2	49.3
6/25/2007 21:00	46.1	42.0
6/25/2007 22:00	39.1	43.0
6/25/2007 23:00	32.5	37.9

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/26/2007 0:00	42.0	31.5
6/26/2007 1:00	36.8	32.7
6/26/2007 2:00	38.2	31.1
6/26/2007 3:00	33.1	32.8
6/26/2007 4:00	35.8	42.6
6/26/2007 5:00	43.3	30.0
6/26/2007 6:00	38.0	37.3
6/26/2007 7:00	38.0	42.5
6/26/2007 8:00	38.7	34.9
6/26/2007 9:00	40.5	33.8
6/26/2007 10:00	39.4	35.0
6/26/2007 11:00	29.2	33.8
6/26/2007 12:00	30.4	33.2
6/26/2007 13:00	32.4	29.4
6/26/2007 14:00	28.7	32.1
6/26/2007 15:00	30.2	33.0
6/26/2007 16:00	33.7	38.7
6/26/2007 17:00	33.9	37.8
6/26/2007 18:00	27.7	34.1
6/26/2007 19:00	30.0	27.8
6/26/2007 20:00	31.8	29.9
6/26/2007 21:00	28.3	30.3
6/26/2007 22:00	35.3	31.8
6/26/2007 23:00	35.8	32.8
6/27/2007 0:00	29.3	28.4
6/27/2007 1:00	36.1	34.6
6/27/2007 2:00	28.8	35.7
6/27/2007 3:00	30.9	27.8
6/27/2007 4:00	28.4	29.3
6/27/2007 5:00	26.5	34.7
6/27/2007 6:00	25.9	26.3
6/27/2007 7:00	24.9	21.6
6/27/2007 8:00	26.1	20.3
6/27/2007 9:00	29.3	26.3
6/27/2007 10:00	20.9	23.7
6/27/2007 11:00	25.6	27.4
6/27/2007 12:00	29.4	29.1
6/27/2007 13:00	26.3	27.0
6/27/2007 14:00	25.0	30.0
6/27/2007 15:00	25.4	4.7
6/27/2007 16:00	14.5	7.6
6/27/2007 17:00	13.9	9.2
6/27/2007 18:00	13.8	15.1

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/27/2007 19:00	16.2	18.0
6/27/2007 20:00	16.7	24.2
6/27/2007 21:00	15.4	9.6
6/27/2007 22:00	13.7	12.4
6/27/2007 23:00	14.6	14.8
6/28/2007 0:00	14.9	16.0
6/28/2007 1:00	12.1	22.4
6/28/2007 2:00	13.2	20.3
6/28/2007 3:00	15.3	13.1
6/28/2007 4:00	16.0	14.9
6/28/2007 5:00	16.0	16.8
6/28/2007 6:00	12.2	15.9
6/28/2007 7:00	10.3	14.2
6/28/2007 8:00	10.8	13.8
6/28/2007 9:00	8.7	10.7
6/28/2007 10:00	10.9	11.4
6/28/2007 11:00	14.1	14.4
6/28/2007 12:00	14.7	13.3
6/28/2007 13:00	13.9	12.9
6/28/2007 14:00	20.2	12.5
6/28/2007 15:00	15.4	14.1
6/28/2007 16:00	14.3	16.8
6/28/2007 17:00	15.3	19.8
6/28/2007 18:00	13.1	14.2
6/28/2007 19:00	10.0	12.5
6/28/2007 20:00	14.4	12.7
6/28/2007 21:00	14.8	20.4
6/28/2007 22:00	11.5	12.7
6/28/2007 23:00	8.3	11.3
6/29/2007 0:00	9.5	8.8
6/29/2007 1:00	11.3	9.4
6/29/2007 2:00	8.9	12.0
6/29/2007 3:00	9.0	9.4
6/29/2007 4:00	9.4	8.1
6/29/2007 5:00	9.8	12.0
6/29/2007 6:00	9.3	12.0
6/29/2007 7:00	8.6	11.0
6/29/2007 8:00	6.7	9.8
6/29/2007 9:00	4.8	8.7
6/29/2007 10:00	7.7	7.1
6/29/2007 11:00	8.0	7.6
6/29/2007 12:00	7.0	10.7
6/29/2007 13:00	5.4	11.4

## Appendix A2

### Record of PM<sub>2.5</sub> Measurements

Date/Time	Hourly Average PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )	
	Ontario Public Health Laboratory	St. Clair College
6/29/2007 14:00	10.8	21.9
6/29/2007 15:00	17.9	18.5
6/29/2007 16:00	16.3	15.7
6/29/2007 17:00	15.8	16.1
6/29/2007 18:00	16.2	12.4
6/29/2007 19:00	12.6	10.2
6/29/2007 20:00	9.5	10.9
6/29/2007 21:00	8.7	6.8
6/29/2007 22:00	9.4	12.4
6/29/2007 23:00	20.8	27.8
6/30/2007 0:00	20.8	30.2
6/30/2007 1:00	31.1	40.4
6/30/2007 2:00	33.4	42.0
6/30/2007 3:00	24.7	35.5
6/30/2007 4:00	18.6	35.8
6/30/2007 5:00	23.7	29.1
6/30/2007 6:00	23.6	29.6
6/30/2007 7:00	25.1	25.8
6/30/2007 8:00	30.7	23.5
6/30/2007 9:00	28.1	29.3
6/30/2007 10:00	28.2	30.6
6/30/2007 11:00	15.8	21.0
6/30/2007 12:00	12.7	16.4
6/30/2007 13:00	11.8	13.2
6/30/2007 14:00	15.4	12.9
6/30/2007 15:00	14.9	13.6
6/30/2007 16:00	11.4	14.2
6/30/2007 17:00	11.4	16.0
6/30/2007 18:00	13.3	12.5
6/30/2007 19:00	13.0	12.9
6/30/2007 20:00	15.8	36.7
6/30/2007 21:00	17.5	26.8
6/30/2007 22:00	17.3	15.5
6/30/2007 23:00	17.6	16.7



## **Appendix A3**

### **Record of Meteorological Data**

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/1/2007 0:00	7.3	62.8	3.1	96.7	6.9	63.0	3.9	70.3
4/1/2007 1:00	7.3	64.4	2.6	90.4	6.8	64.1	4.4	65.7
4/1/2007 2:00	7.1	66.9	2.6	86.0	6.6	67.7	4.1	61.4
4/1/2007 3:00	6.8	69.4	2.3	85.4	6.4	69.1	3.6	60.0
4/1/2007 4:00	7.1	80.4	1.4	97.0	6.9	80.1	2.3	65.4
4/1/2007 5:00	6.5	87.9	1.8	87.6	6.1	88.8	2.7	56.0
4/1/2007 6:00	6.7	91.0	1.5	87.2	6.3	92.8	2.3	54.3
4/1/2007 7:00	7.3	92.4	1.6	99.1	7.0	93.6	2.5	69.2
4/1/2007 8:00	8.2	93.5	1.2	118.1	7.9	94.6	1.7	88.5
4/1/2007 9:00	9.2	94.0	0.4	136.4	9.0	95.1	0.5	112.8
4/1/2007 10:00	10.6	94.7	0.7	155.0	10.4	95.0	0.8	143.9
4/1/2007 11:00	13.4	94.8	1.7	184.1	13.7	91.0	2.5	171.0
4/1/2007 12:00	15.3	84.6	2.9	201.4	16.5	75.6	4.1	197.4
4/1/2007 13:00	18.2	67.2	4.2	183.6	18.6	67.8	5.4	172.3
4/1/2007 14:00	19.2	51.2	5.4	186.6	19.5	53.5	6.6	172.6
4/1/2007 15:00	19.8	43.6	5.2	187.3	19.8	45.2	7.1	175.5
4/1/2007 16:00	20.2	41.8	5.3	177.8	19.9	40.6	6.9	170.2
4/1/2007 17:00	20.5	40.5	5.1	182.9	20.2	43.3	6.4	171.5
4/1/2007 18:00	19.9	42.4	4.5	181.2	19.7	45.0	6.4	174.0
4/1/2007 19:00	18.5	54.1	4.6	185.7	18.5	55.9	5.7	178.2
4/1/2007 20:00	16.8	63.3	2.9	203.4	16.1	66.3	3.6	198.5
4/1/2007 21:00	16.2	64.8	4.2	192.4	15.5	70.1	5.2	185.8
4/1/2007 22:00	15.4	63.9	3.4	195.5	14.7	68.0	4.6	190.3
4/1/2007 23:00	15.2	72.5	2.7	246.1	14.7	72.8	4.0	228.7
4/2/2007 0:00	13.5	67.6	2.5	261.3	13.2	68.2	3.9	247.0
4/2/2007 1:00	13.4	58.1	4.0	231.5	13.0	60.6	5.7	221.2
4/2/2007 2:00	13.6	53.8	4.7	239.3	13.2	56.2	7.1	225.1
4/2/2007 3:00	13.3	58.3	3.4	235.0	12.9	59.7	5.4	221.1
4/2/2007 4:00	12.5	59.6	4.4	240.4	12.1	64.2	7.0	223.8
4/2/2007 5:00	11.7	60.7	3.4	247.0	11.3	61.2	5.7	227.0
4/2/2007 6:00	10.8	62.4	4.0	253.4	10.5	63.5	5.4	239.0
4/2/2007 7:00	10.3	65.0	3.3	247.0	10.0	66.0	5.2	235.4
4/2/2007 8:00	10.1	65.8	2.9	246.5	9.8	67.2	4.9	234.1
4/2/2007 9:00	10.3	63.8	2.8	240.9	10.1	64.7	4.6	229.4
4/2/2007 10:00	10.9	60.6	3.7	242.2	10.9	59.1	5.5	230.9
4/2/2007 11:00	11.7	58.4	4.2	241.8	11.8	58.7	5.8	233.9
4/2/2007 12:00	12.8	58.2	3.8	247.6	13.1	56.8	5.8	226.8
4/2/2007 13:00	14.0	53.7	4.0	245.1	14.2	51.2	6.1	237.9
4/2/2007 14:00	14.6	49.5	3.8	251.3	15.1	49.3	5.8	232.9
4/2/2007 15:00	15.4	47.7	4.6	243.1	15.8	46.4	6.5	234.9
4/2/2007 16:00	16.9	39.6	3.6	251.0	17.0	42.2	6.3	236.2
4/2/2007 17:00	17.9	34.3	4.2	261.1	18.2	38.9	6.1	234.3
4/2/2007 18:00	18.6	35.1	3.5	258.6	18.3	37.6	5.8	235.3

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/2/2007 19:00	18.2	34.6	3.4	255.7	17.9	33.3	5.5	241.0
4/2/2007 20:00	16.8	39.1	2.7	253.5	16.6	40.2	4.7	240.5
4/2/2007 21:00	15.3	41.9	1.3	272.5	15.0	42.7	2.8	254.0
4/2/2007 22:00	14.1	49.1	1.1	306.6	13.8	49.4	2.0	282.9
4/2/2007 23:00	12.7	56.5	1.0	321.8	12.6	56.9	1.6	301.3
4/3/2007 0:00	11.7	65.4	0.8	321.1	11.5	59.0	1.4	305.0
4/3/2007 1:00	9.8	73.2	0.5	12.0	10.7	61.8	1.0	344.4
4/3/2007 2:00	8.5	76.1	0.4	59.7	9.6	69.3	1.0	43.9
4/3/2007 3:00	8.2	78.8	1.2	47.4	8.3	80.4	2.2	42.0
4/3/2007 4:00	7.3	81.1	1.7	101.4	7.0	79.5	2.9	76.0
4/3/2007 5:00	6.6	80.8	1.5	97.4	6.5	80.0	2.2	70.2
4/3/2007 6:00	6.9	79.3	1.4	97.5	6.6	78.1	2.3	78.4
4/3/2007 7:00	7.2	76.7	1.2	77.2	6.7	76.3	2.1	56.0
4/3/2007 8:00	7.2	76.2	1.8	85.2	6.8	75.4	2.7	60.8
4/3/2007 9:00	7.6	72.3	2.6	99.2	7.3	71.1	3.9	77.9
4/3/2007 10:00	9.1	67.4	3.0	100.3	8.7	66.9	4.7	77.7
4/3/2007 11:00	11.4	59.4	3.8	107.3	10.6	60.7	5.8	80.7
4/3/2007 12:00	14.2	54.0	4.3	108.9	13.2	54.4	5.9	85.5
4/3/2007 13:00	16.8	49.8	3.7	108.8	15.7	49.2	4.7	89.5
4/3/2007 14:00	18.9	49.5	2.3	105.7	17.8	49.7	3.2	79.0
4/3/2007 15:00	19.9	46.6	2.5	88.8	18.0	50.6	3.1	68.2
4/3/2007 16:00	20.8	47.1	2.9	104.2	18.8	52.1	3.9	75.9
4/3/2007 17:00	20.9	47.6	2.5	96.2	19.0	50.5	3.2	80.2
4/3/2007 18:00	20.4	55.3	1.1	92.6	19.1	55.8	1.6	59.8
4/3/2007 19:00	18.8	59.1	1.3	75.2	18.3	59.2	1.6	47.2
4/3/2007 20:00	17.7	66.6	1.0	99.1	17.6	68.3	1.5	68.1
4/3/2007 21:00	16.5	73.1	0.9	103.4	16.3	74.3	1.4	83.3
4/3/2007 22:00	15.6	74.2	1.0	122.2	15.2	73.2	1.4	99.7
4/3/2007 23:00	15.4	74.5	0.9	146.4	14.8	76.9	1.4	128.2
4/4/2007 0:00	15.1	77.8	1.2	145.9	14.6	79.6	2.3	135.5
4/4/2007 1:00	15.3	81.3	2.1	168.4	15.3	82.0	3.6	168.1
4/4/2007 2:00	15.2	84.0	1.9	175.1	14.9	84.9	3.3	173.1
4/4/2007 3:00	15.5	82.8	2.6	193.4	14.9	84.7	3.0	183.5
4/4/2007 4:00	15.6	83.2	3.7	240.3	15.3	85.5	5.6	225.6
4/4/2007 5:00	12.1	81.5	4.1	260.4	11.8	80.8	7.6	243.4
4/4/2007 6:00	9.0	76.7	4.6	260.5	8.8	77.0	8.2	242.9
4/4/2007 7:00	7.4	71.2	4.5	257.9	7.1	71.3	7.4	238.4
4/4/2007 8:00	5.8	76.5	4.6	250.5	5.4	79.7	7.5	232.9
4/4/2007 9:00	4.5	73.8	4.4	243.8	4.2	76.5	7.3	233.7
4/4/2007 10:00	3.9	73.7	4.4	247.6	3.5	74.8	7.1	233.8
4/4/2007 11:00	3.6	66.6	4.4	249.6	3.5	66.0	7.6	233.0
4/4/2007 12:00	4.4	55.3	5.2	253.5	4.1	55.9	9.2	239.9
4/4/2007 13:00	4.2	55.4	5.5	264.5	4.2	55.1	8.5	247.2

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/4/2007 14:00	3.7	60.2	4.4	266.5	3.5	65.6	7.8	244.5
4/4/2007 15:00	2.5	61.6	5.4	255.7	2.4	60.9	8.3	243.7
4/4/2007 16:00	3.0	58.6	4.5	263.2	2.8	61.3	7.5	241.9
4/4/2007 17:00	2.1	62.4	5.0	263.7	1.9	63.9	8.6	239.1
4/4/2007 18:00	1.0	55.9	5.0	268.4	0.8	58.3	7.6	246.8
4/4/2007 19:00	0.7	55.3	4.3	266.0	0.5	55.3	6.9	246.9
4/4/2007 20:00	0.3	56.3	4.5	262.8	0.1	57.4	6.8	244.3
4/4/2007 21:00	-0.6	61.7	4.2	269.8	-0.7	61.3	6.5	251.2
4/4/2007 22:00	-0.9	66.0	4.0	262.3	-1.2	66.7	6.4	243.9
4/4/2007 23:00	-1.0	68.3	3.5	255.9	-1.3	67.4	6.3	237.9
4/5/2007 0:00	-1.9	71.6	3.5	269.3	-2.1	69.9	6.1	247.8
4/5/2007 1:00	-2.4	65.1	3.5	289.8	-2.6	65.3	5.5	269.0
4/5/2007 2:00	-2.7	56.7	3.8	280.7	-3.0	58.8	5.9	261.1
4/5/2007 3:00	-2.8	53.7	3.5	278.9	-3.1	54.1	5.9	261.6
4/5/2007 4:00	-3.2	59.4	3.7	276.4	-3.5	60.2	6.1	255.6
4/5/2007 5:00	-3.3	55.2	3.7	285.8	-3.6	54.7	6.2	261.7
4/5/2007 6:00	-3.4	57.5	3.2	280.8	-3.7	56.9	6.3	259.6
4/5/2007 7:00	-3.5	61.0	3.3	278.2	-3.8	60.2	6.1	255.1
4/5/2007 8:00	-3.6	63.6	3.0	287.4	-3.9	64.3	6.5	258.5
4/5/2007 9:00	-3.6	58.3	3.7	287.7	-3.8	58.0	6.2	265.9
4/5/2007 10:00	-2.8	52.6	3.9	293.4	-3.0	52.6	6.3	271.5
4/5/2007 11:00	-1.8	49.6	3.9	293.7	-2.2	49.0	7.3	268.7
4/5/2007 12:00	-1.8	53.0	4.1	289.8	-2.2	53.6	7.0	268.1
4/5/2007 13:00	-1.6	49.8	4.1	288.0	-1.8	50.2	6.5	267.2
4/5/2007 14:00	-1.1	47.4	4.1	296.0	-1.3	48.8	6.6	268.3
4/5/2007 15:00	-0.8	51.6	4.3	283.9	-1.0	51.3	7.2	261.1
4/5/2007 16:00	-0.9	59.7	3.9	274.6	-1.2	59.2	6.5	253.7
4/5/2007 17:00	-1.0	60.8	3.4	280.9	-1.3	61.7	6.9	256.9
4/5/2007 18:00	-1.1	56.1	3.8	286.8	-1.4	56.8	5.9	264.5
4/5/2007 19:00	-1.4	58.2	3.6	285.6	-1.7	59.4	6.2	266.0
4/5/2007 20:00	-1.6	55.9	3.3	296.5	-1.9	56.0	5.6	273.9
4/5/2007 21:00	-1.8	58.3	2.7	296.1	-2.1	57.3	4.5	272.9
4/5/2007 22:00	-2.1	62.4	2.5	289.5	-2.5	62.5	4.7	261.3
4/5/2007 23:00	-2.3	72.1	2.7	309.5	-2.6	71.9	3.7	286.0
4/6/2007 0:00	-2.6	75.0	2.0	308.0	-3.0	75.6	3.1	285.0
4/6/2007 1:00	-2.8	54.5	3.1	311.1	-3.1	54.6	4.2	288.3
4/6/2007 2:00	-2.9	51.8	3.5	304.7	-3.2	52.6	5.4	280.1
4/6/2007 3:00	-3.2	51.2	3.3	305.5	-3.5	52.8	5.1	282.9
4/6/2007 4:00	-3.8	55.5	3.2	306.1	-4.2	55.4	4.7	285.4
4/6/2007 5:00	-4.0	55.3	2.8	303.8	-4.3	55.6	4.6	277.4
4/6/2007 6:00	-4.1	58.6	3.0	300.3	-4.3	58.2	4.7	278.7
4/6/2007 7:00	-4.2	56.9	3.0	300.5	-4.5	56.5	5.1	279.2
4/6/2007 8:00	-4.0	54.4	3.1	299.8	-4.3	54.0	5.1	277.4

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/6/2007 9:00	-3.6	53.3	3.1	300.7	-3.9	53.1	5.0	282.0
4/6/2007 10:00	-3.1	57.4	2.9	298.8	-3.4	57.7	4.6	272.1
4/6/2007 11:00	-2.9	50.7	2.7	302.8	-3.1	51.0	4.3	276.3
4/6/2007 12:00	-2.5	56.0	2.8	289.5	-2.8	56.7	4.7	272.0
4/6/2007 13:00	-2.1	49.8	2.8	288.8	-2.3	50.1	4.6	268.0
4/6/2007 14:00	-1.6	46.3	2.7	296.0	-1.9	46.1	4.4	270.3
4/6/2007 15:00	-1.0	47.0	3.0	279.7	-1.0	47.2	5.3	251.3
4/6/2007 16:00	-0.9	50.9	2.8	267.7	-1.0	50.5	5.0	243.3
4/6/2007 17:00	-0.9	54.5	2.8	274.1	-1.2	53.8	4.9	258.1
4/6/2007 18:00	-1.0	54.3	2.2	279.5	-1.3	56.5	4.4	259.8
4/6/2007 19:00	-1.1	59.8	2.4	280.4	-1.4	61.1	3.9	257.1
4/6/2007 20:00	-2.0	62.3	2.1	288.2	-2.4	62.5	4.1	264.5
4/6/2007 21:00	-2.7	72.0	2.3	289.1	-3.1	70.5	4.2	266.8
4/6/2007 22:00	-3.1	75.1	2.7	310.8	-3.4	75.2	3.8	289.0
4/6/2007 23:00	-3.5	69.7	2.5	307.6	-3.9	68.3	3.5	287.9
4/7/2007 0:00	-3.7	66.2	2.4	305.4	-4.0	66.3	3.6	282.8
4/7/2007 1:00	-4.1	71.8	2.5	303.9	-4.5	72.5	3.7	285.1
4/7/2007 2:00	-4.5	73.1	1.9	308.5	-4.9	73.1	2.8	285.8
4/7/2007 3:00	-5.3	77.4	1.7	286.2	-5.6	86.6	2.5	267.0
4/7/2007 4:00	-5.2	67.5	1.9	285.7	-5.5	63.9	3.5	261.4
4/7/2007 5:00	-5.5	63.7	2.2	283.7	-5.8	65.7	3.6	262.8
4/7/2007 6:00	-5.8	69.1	2.0	272.4	-6.1	69.4	3.8	254.1
4/7/2007 7:00	-6.1	73.5	2.2	270.2	-6.4	74.3	3.7	248.9
4/7/2007 8:00	-5.9	73.8	2.5	267.7	-6.1	74.7	3.7	245.1
4/7/2007 9:00	-5.3	73.4	2.9	264.9	-5.4	73.6	4.4	242.1
4/7/2007 10:00	-4.4	70.0	3.0	268.3	-4.4	70.0	5.0	247.9
4/7/2007 11:00	-3.5	66.9	3.1	267.8	-3.5	65.3	5.4	249.1
4/7/2007 12:00	-2.8	67.8	3.1	263.9	-2.7	68.2	5.3	246.5
4/7/2007 13:00	-2.9	76.3	2.5	290.6	-3.2	73.8	4.8	263.4
4/7/2007 14:00	-1.7	55.1	3.6	296.0	-2.1	53.9	6.2	273.8
4/7/2007 15:00	-1.8	63.9	3.1	306.4	-2.0	62.0	4.4	281.2
4/7/2007 16:00	-1.7	74.7	2.5	290.8	-2.0	75.9	4.1	267.8
4/7/2007 17:00	-1.6	71.9	2.2	296.4	-1.7	73.2	3.7	272.2
4/7/2007 18:00	-1.0	75.7	2.8	267.8	-1.3	79.4	4.5	253.9
4/7/2007 19:00	-1.5	83.6	2.5	270.4	-1.9	90.5	4.5	254.1
4/7/2007 20:00	-2.0	82.9	2.3	278.2	-2.3	82.8	4.4	258.3
4/7/2007 21:00	-2.2	84.8	2.5	270.0	-2.5	85.8	4.3	255.0
4/7/2007 22:00	-2.1	77.7	3.0	267.1	-2.3	76.8	4.6	251.6
4/7/2007 23:00	-2.2	76.9	2.7	262.0	-2.5	77.3	4.6	243.4
4/8/2007 0:00	-2.7	83.4	3.1	267.3	-2.9	83.5	4.8	252.4
4/8/2007 1:00	-3.2	80.5	2.5	264.3	-3.4	79.3	4.4	247.8
4/8/2007 2:00	-3.1	74.0	2.5	271.7	-3.3	73.1	4.8	253.4
4/8/2007 3:00	-3.4	75.5	2.6	268.5	-3.7	76.3	4.1	250.4

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/8/2007 4:00	-3.6	77.4	2.3	273.9	-3.9	78.2	3.4	246.0
4/8/2007 5:00	-3.2	79.1	2.3	251.1	-3.5	79.8	3.5	233.7
4/8/2007 6:00	-3.3	81.3	2.4	245.4	-3.6	81.6	3.6	232.7
4/8/2007 7:00	-2.9	77.7	2.7	257.6	-3.2	77.8	3.8	241.8
4/8/2007 8:00	-2.7	76.9	2.4	265.5	-2.9	76.7	3.6	242.7
4/8/2007 9:00	-2.4	72.0	2.0	283.4	-2.7	71.1	3.7	260.5
4/8/2007 10:00	-2.2	68.5	2.5	303.2	-2.5	67.5	4.2	279.3
4/8/2007 11:00	-1.8	68.2	2.3	307.8	-2.1	67.5	3.3	284.9
4/8/2007 12:00	-1.4	68.1	2.1	289.0	-1.6	69.4	3.7	261.3
4/8/2007 13:00	-0.7	63.6	2.0	290.1	-0.9	64.0	3.6	262.6
4/8/2007 14:00	-0.3	61.9	2.0	279.8	-0.5	59.7	3.8	258.8
4/8/2007 15:00	0.2	60.2	2.2	293.2	0.0	61.2	4.0	264.7
4/8/2007 16:00	0.5	62.4	2.1	283.8	0.2	63.0	3.9	264.9
4/8/2007 17:00	0.8	61.6	1.6	304.7	0.5	62.8	3.0	268.4
4/8/2007 18:00	1.2	62.5	1.4	305.9	0.8	62.1	2.4	281.9
4/8/2007 19:00	1.4	61.4	1.0	316.4	0.9	61.9	1.5	295.9
4/8/2007 20:00	1.6	66.5	0.7	334.1	1.0	62.4	1.1	308.2
4/8/2007 21:00	1.5	68.9	0.3	23.2	0.9	62.3	0.8	337.1
4/8/2007 22:00	1.2	68.5	0.2	39.7	0.9	69.3	0.8	355.8
4/8/2007 23:00	0.7	71.2	0.7	181.1	0.1	74.2	1.1	152.5
4/9/2007 0:00	0.5	72.1	0.6	193.9	0.2	72.6	0.7	172.0
4/9/2007 1:00	0.9	67.9	1.5	281.8	0.6	69.6	2.5	254.6
4/9/2007 2:00	0.7	68.8	1.6	267.9	0.4	70.0	2.6	250.1
4/9/2007 3:00	0.5	67.0	1.2	277.1	0.3	66.2	2.4	250.1
4/9/2007 4:00	0.5	67.1	1.0	289.7	0.2	66.6	1.7	267.1
4/9/2007 5:00	0.4	64.5	0.8	289.6	0.0	69.3	1.9	258.8
4/9/2007 6:00	0.3	61.7	1.4	313.5	-0.1	61.1	1.7	284.8
4/9/2007 7:00	-0.2	64.0	1.5	311.6	-0.5	64.8	2.2	293.5
4/9/2007 8:00	-0.4	63.8	1.2	301.9	-0.7	62.4	2.3	285.5
4/9/2007 9:00	0.1	61.4	1.7	313.3	0.0	60.6	2.7	287.2
4/9/2007 10:00	1.3	58.4	1.6	326.5	1.0	56.4	2.1	299.4
4/9/2007 11:00	2.4	55.8	1.3	292.7	2.2	50.0	1.8	286.1
4/9/2007 12:00	3.2	48.4	1.8	235.0	4.3	47.3	2.4	208.9
4/9/2007 13:00	3.6	49.3	2.3	232.8	4.2	42.9	3.4	210.8
4/9/2007 14:00	4.3	49.8	2.2	207.7	4.7	47.7	3.0	186.3
4/9/2007 15:00	5.1	44.3	1.5	236.1	5.5	45.3	2.6	216.5
4/9/2007 16:00	4.7	51.2	2.3	212.5	4.7	49.4	3.4	193.7
4/9/2007 17:00	4.1	50.7	2.3	189.5	4.4	50.2	2.8	181.2
4/9/2007 18:00	4.3	52.6	1.8	179.1	4.3	54.8	2.2	178.8
4/9/2007 19:00	4.8	53.7	1.8	183.8	4.3	54.9	2.5	163.1
4/9/2007 20:00	4.0	58.3	1.9	187.1	3.7	62.0	2.6	182.3
4/9/2007 21:00	3.0	73.7	2.2	177.9	2.7	75.3	3.0	172.4
4/9/2007 22:00	2.0	82.0	1.9	183.7	1.6	86.7	3.0	177.7

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/9/2007 23:00	1.5	88.3	1.4	185.1	1.0	90.8	2.0	185.0
4/10/2007 0:00	1.4	89.7	1.0	177.7	1.0	91.4	1.2	177.7
4/10/2007 1:00	1.4	90.1	0.8	179.7	1.2	91.4	1.1	177.8
4/10/2007 2:00	1.6	90.1	0.8	230.3	1.3	91.3	1.3	220.2
4/10/2007 3:00	1.4	90.5	0.7	275.5	1.1	91.4	1.4	249.0
4/10/2007 4:00	1.2	90.3	0.3	250.1	0.7	91.3	0.7	260.9
4/10/2007 5:00	0.4	90.5	0.2	222.5	-0.1	92.1	0.8	243.6
4/10/2007 6:00	-0.4	90.8	0.2	263.8	-1.1	93.2	0.7	240.2
4/10/2007 7:00	-0.6	90.3	0.4	287.5	-1.4	91.4	1.0	273.4
4/10/2007 8:00	-0.3	89.6	0.7	298.5	-1.4	89.9	1.2	273.1
4/10/2007 9:00	0.8	85.5	1.0	297.9	0.6	81.4	2.0	288.4
4/10/2007 10:00	2.4	71.9	1.4	330.8	2.2	69.6	1.8	318.9
4/10/2007 11:00	3.5	63.1	1.2	324.4	3.9	58.0	1.5	281.5
4/10/2007 12:00	5.5	46.1	1.3	9.7	4.5	45.7	1.2	281.5
4/10/2007 13:00	6.3	41.8	1.1	292.8	5.7	39.4	1.3	48.4
4/10/2007 14:00	6.5	38.8	1.8	241.5	6.4	41.1	1.7	150.0
4/10/2007 15:00	7.8	35.6	1.1	352.3	6.5	38.0	1.6	28.0
4/10/2007 16:00	7.7	43.9	1.7	169.2	6.5	48.4	3.4	156.5
4/10/2007 17:00	7.4	48.3	1.9	141.9	6.2	45.5	3.0	129.1
4/10/2007 18:00	8.3	40.1	2.2	123.3	6.6	43.3	2.5	112.1
4/10/2007 19:00	8.7	41.9	2.1	139.0	6.5	44.3	3.1	126.0
4/10/2007 20:00	5.9	53.7	1.8	137.8	5.1	54.4	2.4	121.6
4/10/2007 21:00	3.6	62.8	1.3	127.7	3.4	59.0	1.9	105.0
4/10/2007 22:00	2.5	60.4	1.3	122.8	2.6	57.4	1.9	94.8
4/10/2007 23:00	1.7	67.7	1.3	101.4	2.0	68.3	1.9	76.9
4/11/2007 0:00	1.2	72.6	1.5	86.2	1.1	74.4	2.6	60.4
4/11/2007 1:00	1.1	70.8	1.9	93.6	1.2	66.4	3.0	68.1
4/11/2007 2:00	1.3	70.6	1.9	78.9	1.0	72.3	3.2	53.9
4/11/2007 3:00	1.0	72.7	2.2	77.9	0.3	74.5	3.7	51.5
4/11/2007 4:00	1.0	72.5	2.6	70.8	0.4	73.4	4.7	51.2
4/11/2007 5:00	0.9	70.8	2.9	86.9	0.6	69.0	4.4	61.7
4/11/2007 6:00	0.8	69.4	2.4	77.0	0.5	68.0	3.9	55.8
4/11/2007 7:00	1.2	65.0	2.7	72.4	0.8	65.9	4.1	50.9
4/11/2007 8:00	1.8	62.6	3.4	68.6	1.3	61.8	5.3	49.8
4/11/2007 9:00	2.2	64.7	3.3	60.6	1.7	63.7	5.5	44.6
4/11/2007 10:00	2.3	67.2	3.8	54.9	1.8	68.1	5.5	38.6
4/11/2007 11:00	3.2	65.2	4.0	55.4	2.6	65.2	6.0	39.4
4/11/2007 12:00	4.1	61.5	4.1	69.7	3.5	61.6	6.5	54.4
4/11/2007 13:00	4.9	68.6	4.4	77.2	4.1	68.3	7.6	56.8
4/11/2007 14:00	4.1	76.6	4.0	89.4	3.6	78.6	6.5	69.0
4/11/2007 15:00	3.3	84.3	3.7	83.8	2.8	85.3	6.6	62.3
4/11/2007 16:00	3.4	87.8	4.8	77.4	3.0	87.7	7.7	58.1
4/11/2007 17:00	3.8	88.9	4.1	73.9	3.5	88.6	6.9	56.1

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/11/2007 18:00	4.3	89.9	3.5	72.9	4.1	89.7	6.0	53.1
4/11/2007 19:00	4.8	91.5	3.6	77.5	4.4	92.3	5.7	55.8
4/11/2007 20:00	5.3	93.4	3.6	82.8	5.0	94.4	7.3	63.2
4/11/2007 21:00	5.7	94.3	4.5	86.3	5.3	94.8	7.5	68.9
4/11/2007 22:00	5.7	94.7	4.9	95.5	5.4	94.7	8.2	72.4
4/11/2007 23:00	5.7	94.8	4.1	88.6	5.3	94.7	7.0	64.8
4/12/2007 0:00	5.8	95.0	3.5	97.8	5.5	94.9	5.6	74.4
4/12/2007 1:00	6.5	95.4	2.8	106.1	6.2	95.6	4.2	82.7
4/12/2007 2:00	7.4	95.0	3.2	164.2	7.4	94.4	4.6	153.6
4/12/2007 3:00	7.5	93.9	3.8	184.4	7.3	93.0	5.3	177.9
4/12/2007 4:00	7.4	91.8	3.5	185.2	7.2	91.6	4.9	180.4
4/12/2007 5:00	7.8	88.3	3.3	200.0	7.5	89.0	4.2	191.9
4/12/2007 6:00	7.6	88.2	2.8	198.2	7.2	90.0	3.4	189.6
4/12/2007 7:00	7.1	80.5	3.2	214.0	6.8	81.7	4.2	208.4
4/12/2007 8:00	6.8	78.8	2.3	212.2	6.4	81.8	2.9	204.7
4/12/2007 9:00	6.6	75.8	3.0	204.5	6.3	78.5	4.0	199.5
4/12/2007 10:00	6.5	73.1	3.6	205.2	6.3	75.6	4.1	199.0
4/12/2007 11:00	6.4	73.1	3.7	208.4	6.4	73.8	5.0	196.4
4/12/2007 12:00	6.2	73.3	3.8	207.0	6.0	75.6	5.5	200.4
4/12/2007 13:00	5.5	74.6	4.0	208.9	5.4	75.6	5.5	202.1
4/12/2007 14:00	5.4	80.4	4.3	210.0	5.2	83.3	6.2	204.2
4/12/2007 15:00	4.8	88.0	3.8	218.7	4.7	88.9	5.5	209.7
4/12/2007 16:00	4.6	83.1	3.9	245.5	4.4	83.3	5.8	228.8
4/12/2007 17:00	4.6	78.0	3.8	252.4	4.4	78.4	5.8	234.2
4/12/2007 18:00	4.9	72.8	4.5	266.7	4.7	73.2	6.5	245.7
4/12/2007 19:00	4.5	69.3	4.0	270.6	4.3	70.4	6.9	248.7
4/12/2007 20:00	4.1	70.6	3.7	267.3	3.8	71.1	6.3	247.9
4/12/2007 21:00	3.9	67.3	3.8	266.9	3.6	68.3	6.0	246.3
4/12/2007 22:00	3.7	70.1	3.7	264.1	3.4	70.5	6.0	245.2
4/12/2007 23:00	3.4	68.2	3.8	267.6	3.1	68.8	6.5	252.2
4/13/2007 0:00	3.3	71.1	3.6	257.6	3.0	72.4	5.5	236.8
4/13/2007 1:00	3.2	74.3	3.2	255.9	2.9	75.3	5.7	237.0
4/13/2007 2:00	3.2	72.1	3.5	266.0	2.9	72.6	5.8	244.5
4/13/2007 3:00	3.2	69.5	3.6	265.9	2.9	71.1	6.1	247.7
4/13/2007 4:00	3.0	68.5	3.4	269.1	2.7	69.8	5.5	252.2
4/13/2007 5:00	2.7	70.4	3.1	267.8	2.4	71.3	4.7	249.0
4/13/2007 6:00	2.5	69.4	3.1	271.5	2.3	70.2	5.7	252.8
4/13/2007 7:00	2.0	65.7	2.4	271.9	1.7	65.9	5.2	254.2
4/13/2007 8:00	2.0	62.3	2.9	264.5	1.9	61.8	4.4	249.3
4/13/2007 9:00	2.8	56.5	3.6	267.9	2.8	56.1	6.2	249.6
4/13/2007 10:00	4.2	51.4	3.6	283.3	4.0	53.7	6.4	263.0
4/13/2007 11:00	5.8	48.7	3.8	295.4	5.6	47.7	6.6	266.1
4/13/2007 12:00	7.1	40.4	4.4	296.2	6.9	40.2	7.0	277.0



## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/13/2007 13:00	8.6	35.4	3.9	297.3	8.2	33.1	6.5	275.1
4/13/2007 14:00	9.6	32.7	3.8	289.5	9.5	30.6	6.1	262.3
4/13/2007 15:00	10.6	29.8	3.6	294.5	10.1	30.7	5.9	268.8
4/13/2007 16:00	11.4	28.6	3.5	294.5	10.8	28.8	6.0	263.6
4/13/2007 17:00	11.8	26.8	3.5	294.2	11.2	29.8	5.8	268.9
4/13/2007 18:00	12.1	24.7	3.1	287.5	11.2	27.5	5.6	268.7
4/13/2007 19:00	11.5	27.6	3.1	297.0	10.9	29.5	4.9	272.3
4/13/2007 20:00	10.3	31.8	2.4	305.4	9.9	32.1	4.0	279.0
4/13/2007 21:00	8.9	34.4	1.6	312.9	8.6	33.5	2.5	291.0
4/13/2007 22:00	8.0	34.3	1.5	316.6	7.6	34.2	2.2	291.4
4/13/2007 23:00	6.9	39.0	1.1	313.0	6.5	38.2	1.7	287.7
4/14/2007 0:00	5.1	52.8	0.5	304.0	5.0	42.7	1.0	267.8
4/14/2007 1:00	3.2	61.8	0.3	346.8	4.3	44.4	1.2	299.2
4/14/2007 2:00	2.6	62.9	0.2	301.6	3.5	59.2	0.9	294.3
4/14/2007 3:00	1.3	69.8	0.2	173.7	0.9	64.3	0.4	262.6
4/14/2007 4:00	0.3	73.3	0.1	339.3	0.1	70.4	0.4	5.7
4/14/2007 5:00	-0.2	75.1	0.0	184.5	-1.1	72.2	0.1	255.3
4/14/2007 6:00	-0.6	77.0	0.0	184.1	-1.3	75.6	0.2	5.2
4/14/2007 7:00	-0.8	77.0	0.2	347.4	-0.5	67.2	0.7	2.1
4/14/2007 8:00	0.0	76.1	0.4	195.7	-0.3	61.4	0.4	73.8
4/14/2007 9:00	2.4	64.3	0.4	58.6	2.4	56.1	1.0	34.2
4/14/2007 10:00	3.9	53.5	2.0	60.5	3.0	49.0	2.6	48.9
4/14/2007 11:00	4.5	49.6	2.0	65.7	3.3	50.7	3.4	34.4
4/14/2007 12:00	4.9	49.4	1.7	65.3	3.7	49.6	2.5	52.2
4/14/2007 13:00	5.2	47.8	1.7	64.4	3.9	47.4	2.4	36.1
4/14/2007 14:00	5.7	41.3	1.7	45.9	4.3	34.8	2.3	30.2
4/14/2007 15:00	6.3	51.1	2.4	30.1	4.4	48.5	4.0	20.7
4/14/2007 16:00	5.0	53.4	2.2	39.4	3.9	55.5	3.8	22.8
4/14/2007 17:00	5.2	58.5	1.7	50.5	4.1	57.9	2.8	37.9
4/14/2007 18:00	5.0	58.8	1.7	38.1	4.3	57.2	2.7	27.6
4/14/2007 19:00	4.5	63.6	2.3	39.3	3.7	68.6	4.2	31.0
4/14/2007 20:00	3.7	70.8	2.3	27.0	2.9	73.9	4.2	16.9
4/14/2007 21:00	3.1	79.2	1.8	14.7	2.0	85.9	3.4	15.2
4/14/2007 22:00	2.0	87.5	1.6	4.6	1.2	92.2	2.9	0.3
4/14/2007 23:00	1.5	90.4	2.1	2.1	0.8	93.4	3.7	357.0
4/15/2007 0:00	1.5	91.2	1.8	6.5	0.9	93.3	3.3	358.6
4/15/2007 1:00	1.7	90.1	1.7	2.5	1.2	84.3	3.4	359.0
4/15/2007 2:00	1.7	85.2	1.9	4.4	1.3	80.2	3.6	356.8
4/15/2007 3:00	1.9	82.3	2.6	352.8	1.6	80.7	3.4	347.0
4/15/2007 4:00	1.9	82.2	2.5	358.6	1.5	80.7	3.4	356.1
4/15/2007 5:00	1.4	84.8	2.3	356.7	1.3	83.7	3.4	356.1
4/15/2007 6:00	0.9	85.1	3.1	352.4	0.8	83.7	3.1	347.9
4/15/2007 7:00	0.6	83.3	2.9	353.9	0.6	81.3	2.7	352.2

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/15/2007 8:00	0.8	79.7	3.0	353.1	0.8	76.0	2.9	347.6
4/15/2007 9:00	2.2	72.2	3.3	352.8	2.1	69.8	3.5	348.2
4/15/2007 10:00	4.3	66.2	3.6	356.4	3.9	61.7	4.7	351.1
4/15/2007 11:00	6.3	56.0	4.4	354.6	5.6	54.3	5.7	350.2
4/15/2007 12:00	8.2	50.7	4.6	358.3	7.1	45.6	6.1	350.6
4/15/2007 13:00	10.0	40.9	4.6	6.7	8.5	42.7	6.0	2.2
4/15/2007 14:00	10.9	38.6	4.9	2.5	9.4	36.6	6.8	0.4
4/15/2007 15:00	11.6	39.1	4.7	356.7	9.9	37.2	6.6	343.6
4/15/2007 16:00	11.3	38.0	5.0	356.2	9.9	36.2	6.4	350.1
4/15/2007 17:00	11.1	38.1	5.0	354.3	9.9	37.1	6.0	340.2
4/15/2007 18:00	11.1	36.2	4.7	348.3	9.8	37.1	5.6	349.1
4/15/2007 19:00	10.6	41.9	4.6	346.7	9.4	39.0	5.8	341.6
4/15/2007 20:00	8.7	47.3	3.8	356.5	8.3	42.7	5.2	352.3
4/15/2007 21:00	6.9	51.6	3.4	359.9	6.9	46.2	5.1	356.6
4/15/2007 22:00	5.9	51.4	3.6	351.7	5.9	47.0	4.0	344.8
4/15/2007 23:00	5.1	52.2	3.4	346.3	5.2	48.9	4.6	333.0
4/16/2007 0:00	4.5	51.2	3.8	347.3	4.4	51.1	4.5	331.1
4/16/2007 1:00	4.3	53.3	3.4	341.5	4.1	52.3	4.2	327.6
4/16/2007 2:00	3.9	54.5	2.7	333.4	3.8	54.4	3.7	311.9
4/16/2007 3:00	3.6	56.5	2.7	323.2	3.3	57.1	3.5	301.0
4/16/2007 4:00	3.2	58.8	2.8	320.0	2.9	59.3	3.8	296.7
4/16/2007 5:00	3.0	58.1	3.3	329.0	2.7	58.0	4.5	305.6
4/16/2007 6:00	2.8	58.0	3.2	325.2	2.6	59.2	4.5	301.6
4/16/2007 7:00	2.7	56.9	3.7	319.6	2.4	57.4	4.8	298.2
4/16/2007 8:00	3.0	56.1	3.8	317.2	2.8	55.5	5.1	294.7
4/16/2007 9:00	3.9	55.0	4.4	314.7	3.8	55.0	5.5	295.0
4/16/2007 10:00	5.5	51.7	4.5	316.6	5.4	51.5	6.2	294.0
4/16/2007 11:00	7.5	47.0	4.9	314.4	7.3	47.4	6.7	290.8
4/16/2007 12:00	9.7	39.9	5.7	321.5	9.3	39.9	7.5	300.1
4/16/2007 13:00	11.3	33.9	5.7	323.6	10.9	33.5	8.1	306.7
4/16/2007 14:00	12.5	32.0	6.5	329.6	12.1	30.9	8.9	310.9
4/16/2007 15:00	13.3	28.8	6.5	325.2	12.9	30.8	8.3	308.0
4/16/2007 16:00	14.5	28.0	6.2	332.6	13.7	27.2	8.4	313.5
4/16/2007 17:00	15.2	28.0	5.0	329.1	14.4	27.0	7.3	313.3
4/16/2007 18:00	15.3	25.6	5.6	334.7	14.5	26.3	7.5	314.4
4/16/2007 19:00	15.0	26.0	5.2	331.0	14.5	25.2	7.1	314.0
4/16/2007 20:00	14.3	28.3	5.1	335.2	14.1	26.9	6.5	311.6
4/16/2007 21:00	13.4	33.5	4.9	340.9	13.2	32.0	6.1	322.2
4/16/2007 22:00	12.3	35.6	3.7	348.9	12.3	32.0	4.6	333.2
4/16/2007 23:00	11.8	35.2	4.1	340.6	11.8	33.2	5.2	321.3
4/17/2007 0:00	10.4	40.9	1.9	311.5	10.2	41.9	3.0	289.6
4/17/2007 1:00	9.2	44.1	2.2	309.5	8.9	44.2	2.9	285.6
4/17/2007 2:00	8.2	45.9	2.1	318.1	7.9	45.0	2.7	292.6

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/17/2007 3:00	7.5	47.3	1.8	315.9	7.2	47.3	2.5	289.5
4/17/2007 4:00	7.2	46.8	2.0	330.0	7.0	46.5	2.8	304.2
4/17/2007 5:00	6.8	49.8	1.8	328.2	6.7	48.7	2.5	307.9
4/17/2007 6:00	6.2	54.3	1.3	318.4	5.9	53.4	1.9	297.1
4/17/2007 7:00	5.1	59.3	0.7	312.6	5.2	56.8	1.5	295.8
4/17/2007 8:00	5.0	55.0	1.0	303.7	5.1	54.5	1.8	279.3
4/17/2007 9:00	6.8	52.5	1.9	318.1	6.8	52.2	2.7	294.6
4/17/2007 10:00	8.8	51.8	2.4	329.7	8.8	52.2	3.0	309.0
4/17/2007 11:00	10.6	47.7	2.8	323.5	10.2	49.9	4.0	304.1
4/17/2007 12:00	12.2	48.4	3.0	327.5	11.8	45.9	4.0	305.1
4/17/2007 13:00	13.9	46.4	3.3	337.0	13.0	45.4	4.0	311.6
4/17/2007 14:00	15.5	37.6	3.2	340.6	14.3	42.2	4.0	310.6
4/17/2007 15:00	17.0	36.2	2.6	345.3	15.4	42.3	3.1	317.8
4/17/2007 16:00	17.7	35.2	2.7	332.9	16.2	39.0	3.2	321.3
4/17/2007 17:00	18.3	35.8	2.4	327.2	16.7	37.0	2.9	315.8
4/17/2007 18:00	16.5	45.0	2.5	27.6	14.6	47.0	4.0	27.6
4/17/2007 19:00	13.3	51.0	2.5	51.7	12.3	50.0	4.1	41.5
4/17/2007 20:00	11.4	53.4	2.2	43.1	10.7	51.8	4.0	31.9
4/17/2007 21:00	9.2	59.1	2.9	45.9	8.6	56.4	4.7	29.9
4/17/2007 22:00	8.3	59.7	2.5	35.9	7.8	58.8	4.8	20.3
4/17/2007 23:00	7.9	62.7	1.3	19.0	7.6	59.3	2.8	9.6
4/18/2007 0:00	7.5	64.4	1.4	20.8	7.5	62.0	2.2	15.9
4/18/2007 1:00	7.0	69.0	1.2	10.4	6.9	63.9	1.9	9.7
4/18/2007 2:00	6.3	70.4	1.1	6.8	6.6	65.3	2.8	3.1
4/18/2007 3:00	6.7	69.8	1.1	356.5	6.7	67.2	2.4	357.2
4/18/2007 4:00	6.4	71.1	1.1	0.4	6.5	68.3	2.1	2.7
4/18/2007 5:00	6.3	72.7	0.9	359.1	6.2	70.5	1.9	1.3
4/18/2007 6:00	6.7	73.0	1.0	15.3	6.3	72.5	2.0	14.7
4/18/2007 7:00	7.0	74.5	1.2	33.9	6.3	77.1	2.4	28.1
4/18/2007 8:00	6.8	76.3	1.3	30.9	6.0	79.6	2.3	14.0
4/18/2007 9:00	7.3	75.0	1.4	17.9	6.2	79.5	2.7	20.1
4/18/2007 10:00	8.1	74.3	1.7	40.8	6.7	77.4	2.9	25.0
4/18/2007 11:00	8.5	72.1	1.9	46.2	7.2	76.1	3.0	34.1
4/18/2007 12:00	9.9	67.3	2.0	42.0	8.2	71.7	2.6	31.9
4/18/2007 13:00	11.3	60.2	1.9	42.8	9.3	64.1	2.5	23.8
4/18/2007 14:00	11.1	62.6	2.1	58.4	9.3	65.7	3.2	36.8
4/18/2007 15:00	10.6	70.4	2.7	87.7	8.9	75.8	3.7	69.6
4/18/2007 16:00	9.8	75.0	3.0	78.8	8.2	80.4	4.2	58.9
4/18/2007 17:00	8.8	76.3	2.6	73.8	7.7	79.1	3.9	52.1
4/18/2007 18:00	8.0	79.8	2.1	76.5	7.1	85.6	3.0	56.6
4/18/2007 19:00	7.6	82.5	1.6	65.4	6.9	84.8	2.1	49.9
4/18/2007 20:00	7.5	83.8	1.4	51.1	6.7	86.2	2.2	32.7
4/18/2007 21:00	7.3	85.6	1.1	15.2	6.7	87.0	1.7	17.8

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/18/2007 22:00	7.4	84.5	1.3	23.2	6.7	86.3	2.1	23.6
4/18/2007 23:00	7.6	80.0	1.3	28.7	6.9	79.3	2.6	18.7
4/19/2007 0:00	7.5	77.9	1.5	25.2	6.8	78.9	3.1	17.2
4/19/2007 1:00	7.2	78.4	1.2	16.2	6.6	78.2	2.4	17.7
4/19/2007 2:00	7.4	77.2	1.3	28.1	6.8	78.7	2.4	23.1
4/19/2007 3:00	7.2	79.0	1.7	37.2	6.5	81.1	2.6	24.3
4/19/2007 4:00	6.4	82.0	1.1	27.4	5.8	83.7	2.2	15.2
4/19/2007 5:00	5.9	83.6	1.0	5.8	5.6	82.4	1.8	8.5
4/19/2007 6:00	5.7	83.1	1.2	357.4	5.8	80.1	1.8	0.7
4/19/2007 7:00	6.1	81.9	1.2	10.2	6.0	79.8	2.7	11.2
4/19/2007 8:00	6.8	78.4	1.4	25.6	6.6	77.2	3.4	20.3
4/19/2007 9:00	8.3	70.7	2.5	42.1	7.8	70.8	3.9	28.8
4/19/2007 10:00	9.9	66.5	2.6	41.6	9.0	64.4	4.0	27.2
4/19/2007 11:00	11.6	53.5	2.8	47.5	10.6	54.1	4.1	38.4
4/19/2007 12:00	12.9	48.7	3.0	43.3	11.5	51.9	4.4	29.9
4/19/2007 13:00	15.0	44.9	3.1	40.8	13.2	44.7	4.0	25.2
4/19/2007 14:00	16.2	40.5	3.5	23.4	14.4	40.0	5.7	17.8
4/19/2007 15:00	16.4	40.2	3.2	23.8	14.7	43.6	5.3	16.0
4/19/2007 16:00	18.8	38.1	3.2	28.7	15.5	43.6	5.0	13.7
4/19/2007 17:00	19.1	35.8	3.2	40.6	15.8	43.1	4.6	19.1
4/19/2007 18:00	19.4	38.6	2.8	44.3	16.0	43.4	4.8	21.7
4/19/2007 19:00	18.7	42.8	2.4	35.5	15.7	45.0	4.2	20.8
4/19/2007 20:00	15.7	51.5	2.4	44.5	14.6	50.4	3.4	30.1
4/19/2007 21:00	13.1	56.1	1.7	64.8	12.8	55.5	2.2	44.9
4/19/2007 22:00	11.5	56.9	1.5	59.1	11.3	53.4	2.4	46.1
4/19/2007 23:00	10.1	61.8	1.1	72.3	10.2	56.8	2.3	43.6
4/20/2007 0:00	8.5	70.6	0.3	357.1	9.4	64.9	0.9	8.0
4/20/2007 1:00	7.6	70.8	0.5	336.4	8.3	58.3	0.9	342.8
4/20/2007 2:00	7.5	70.8	0.9	352.7	9.6	52.2	1.4	347.5
4/20/2007 3:00	7.3	68.3	0.7	354.6	9.5	54.8	1.7	352.0
4/20/2007 4:00	7.7	66.4	1.0	4.5	8.9	59.4	2.2	2.2
4/20/2007 5:00	7.0	70.7	0.8	7.7	7.7	65.9	1.6	8.0
4/20/2007 6:00	6.1	72.8	0.5	329.7	6.5	74.9	1.2	341.6
4/20/2007 7:00	5.0	76.1	0.7	343.7	5.5	70.3	1.0	322.0
4/20/2007 8:00	5.5	69.7	1.2	347.2	7.2	59.1	2.0	344.1
4/20/2007 9:00	9.4	56.3	1.5	359.1	9.8	52.3	2.4	356.5
4/20/2007 10:00	12.6	49.0	1.6	358.5	12.8	49.1	1.7	4.1
4/20/2007 11:00	15.7	40.5	1.1	349.2	15.4	37.1	1.3	343.8
4/20/2007 12:00	18.0	31.8	1.2	332.6	17.6	28.2	1.4	10.2
4/20/2007 13:00	20.0	27.7	2.0	7.7	18.7	31.2	2.8	20.0
4/20/2007 14:00	21.5	27.3	2.1	24.4	19.2	20.9	3.1	42.7
4/20/2007 15:00	22.7	17.1	2.2	50.1	19.9	17.7	3.1	43.1
4/20/2007 16:00	24.2	23.2	1.7	61.0	20.6	19.4	3.1	44.8

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/20/2007 17:00	24.7	20.8	2.0	55.5	20.9	20.5	2.8	39.3
4/20/2007 18:00	24.6	18.3	1.9	43.2	20.8	22.6	3.1	37.6
4/20/2007 19:00	23.4	22.2	2.2	64.8	20.3	19.6	3.1	42.2
4/20/2007 20:00	19.9	22.4	1.9	69.1	19.0	21.9	2.8	46.9
4/20/2007 21:00	16.1	42.0	1.0	153.0	15.5	42.3	1.1	142.5
4/20/2007 22:00	12.8	53.1	0.4	171.2	12.8	50.8	0.4	134.2
4/20/2007 23:00	10.7	62.4	0.1	5.1	11.0	53.7	0.3	296.1
4/21/2007 0:00	9.3	58.6	0.0	335.7	9.4	58.1	0.5	298.0
4/21/2007 1:00	8.5	63.0	0.1	323.2	8.3	63.3	0.3	281.0
4/21/2007 2:00	8.0	69.5	0.1	5.5	7.5	64.6	0.2	301.6
4/21/2007 3:00	7.1	68.6	0.0	253.6	6.9	68.7	0.2	280.3
4/21/2007 4:00	6.6	71.4	0.0	208.2	6.0	74.4	0.2	238.5
4/21/2007 5:00	6.0	73.8	0.1	318.8	5.6	77.5	0.2	324.3
4/21/2007 6:00	5.6	75.3	0.0	255.6	4.7	78.7	0.1	316.1
4/21/2007 7:00	5.2	76.7	0.1	85.3	5.0	76.3	0.3	40.3
4/21/2007 8:00	5.8	77.6	0.0	145.4	7.7	62.3	0.1	283.4
4/21/2007 9:00	10.1	50.0	0.2	356.3	13.0	40.0	0.4	13.1
4/21/2007 10:00	15.4	33.3	1.0	346.6	16.1	33.3	1.1	350.5
4/21/2007 11:00	18.3	26.5	1.0	342.5	18.2	23.0	1.3	7.6
4/21/2007 12:00	20.3	25.8	1.1	167.3	20.3	22.7	1.6	122.6
4/21/2007 13:00	21.1	24.1	1.9	216.4	21.7	22.2	2.7	180.3
4/21/2007 14:00	21.9	23.0	2.2	168.3	22.5	26.7	2.3	210.5
4/21/2007 15:00	22.0	26.4	3.0	189.4	22.2	30.6	3.4	170.6
4/21/2007 16:00	22.3	26.8	2.8	176.1	21.8	22.9	3.8	162.3
4/21/2007 17:00	22.1	23.2	3.4	181.8	21.7	26.9	4.0	163.3
4/21/2007 18:00	22.0	22.0	3.1	175.9	21.3	23.2	4.0	159.7
4/21/2007 19:00	21.5	28.5	2.7	167.8	20.6	26.7	4.0	153.2
4/21/2007 20:00	19.5	34.1	1.8	154.3	18.8	33.9	3.0	133.5
4/21/2007 21:00	16.5	42.7	1.3	148.3	16.0	38.6	1.5	127.5
4/21/2007 22:00	14.2	44.5	0.9	151.5	14.0	45.6	1.3	136.6
4/21/2007 23:00	13.1	44.4	1.1	156.5	12.7	42.7	1.0	144.8
4/22/2007 0:00	12.3	48.1	0.8	176.3	12.0	51.0	1.1	159.5
4/22/2007 1:00	10.8	54.7	0.5	167.5	9.8	54.8	0.4	182.5
4/22/2007 2:00	9.8	60.6	0.5	170.7	8.9	62.5	0.7	175.5
4/22/2007 3:00	8.9	62.7	0.6	153.7	9.0	54.0	0.6	144.2
4/22/2007 4:00	8.2	66.6	0.1	172.2	8.9	60.4	0.5	127.5
4/22/2007 5:00	8.0	65.6	0.8	161.6	8.5	62.6	0.7	136.4
4/22/2007 6:00	8.9	63.5	1.1	160.0	9.1	60.8	1.2	134.5
4/22/2007 7:00	8.4	66.7	0.7	156.1	8.7	63.5	0.9	142.1
4/22/2007 8:00	8.6	70.9	0.3	122.8	10.2	54.5	0.4	103.2
4/22/2007 9:00	12.2	55.2	0.9	167.8	13.1	51.3	1.2	153.7
4/22/2007 10:00	15.9	41.2	2.4	181.4	16.8	37.4	2.9	177.7
4/22/2007 11:00	18.7	41.2	2.7	179.0	19.9	34.1	4.0	192.9

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/22/2007 12:00	20.8	36.2	2.9	187.4	21.7	35.2	3.7	181.0
4/22/2007 13:00	22.8	30.2	3.4	188.0	23.4	30.6	4.4	179.7
4/22/2007 14:00	24.6	31.7	3.8	182.9	24.4	28.7	5.3	165.6
4/22/2007 15:00	25.4	28.0	4.7	179.3	25.3	32.1	6.0	168.1
4/22/2007 16:00	25.9	27.7	4.9	178.7	25.8	28.1	6.4	167.9
4/22/2007 17:00	26.3	26.9	4.7	176.0	26.0	26.3	6.0	167.0
4/22/2007 18:00	26.3	28.6	4.3	173.2	25.8	28.2	5.7	158.1
4/22/2007 19:00	25.9	31.1	2.7	158.6	24.6	32.2	4.9	142.4
4/22/2007 20:00	23.5	40.3	2.0	159.8	22.8	39.7	3.6	140.7
4/22/2007 21:00	20.0	48.7	1.6	157.5	19.3	49.0	2.3	140.0
4/22/2007 22:00	18.0	54.0	1.7	164.0	17.8	54.0	2.0	148.0
4/22/2007 23:00	17.7	52.8	1.6	162.6	18.1	48.3	2.1	162.3
4/23/2007 0:00	18.1	49.6	2.3	175.8	18.5	49.7	3.1	173.3
4/23/2007 1:00	17.6	53.9	2.6	182.8	17.3	54.5	3.7	184.2
4/23/2007 2:00	16.8	55.7	2.9	183.2	16.3	56.1	3.3	184.7
4/23/2007 3:00	16.3	57.0	2.6	177.5	15.7	58.6	2.8	180.2
4/23/2007 4:00	15.9	62.7	2.1	173.8	15.4	59.1	2.6	175.6
4/23/2007 5:00	15.2	61.6	2.1	166.1	15.6	59.1	3.3	166.0
4/23/2007 6:00	15.5	60.2	2.5	167.6	15.3	60.1	2.7	160.2
4/23/2007 7:00	15.8	57.4	3.2	172.2	15.7	57.2	3.9	170.0
4/23/2007 8:00	16.3	55.1	3.9	178.4	16.4	55.6	4.8	175.0
4/23/2007 9:00	17.3	53.7	4.0	182.2	17.2	54.3	5.6	174.6
4/23/2007 10:00	18.6	51.5	4.9	189.6	19.0	51.0	6.5	179.0
4/23/2007 11:00	21.6	50.2	5.5	208.5	22.1	46.7	7.3	196.8
4/23/2007 12:00	23.2	47.9	5.9	216.1	24.1	46.1	8.5	206.4
4/23/2007 13:00	24.0	48.0	6.3	212.7	24.9	47.2	9.2	206.7
4/23/2007 14:00	23.9	44.5	5.9	217.1	24.2	45.4	7.7	211.8
4/23/2007 15:00	23.7	48.7	5.1	224.9	23.9	50.0	7.5	215.6
4/23/2007 16:00	24.0	40.9	4.2	250.1	24.1	41.3	6.7	233.9
4/23/2007 17:00	24.5	41.3	4.3	257.4	25.0	41.1	7.1	245.6
4/23/2007 18:00	23.9	43.8	3.8	270.0	24.2	43.6	7.0	251.2
4/23/2007 19:00	23.7	41.4	3.5	267.4	23.8	41.5	5.8	249.7
4/23/2007 20:00	22.8	48.3	3.2	287.4	22.8	47.3	5.3	263.7
4/23/2007 21:00	20.3	60.1	2.9	299.1	20.1	60.3	4.8	278.3
4/23/2007 22:00	18.8	66.4	2.7	307.5	18.6	67.8	4.1	282.6
4/23/2007 23:00	16.7	68.0	2.8	325.2	16.6	68.4	3.8	307.0
4/24/2007 0:00	14.6	64.1	3.4	339.2	14.6	64.4	3.9	324.5
4/24/2007 1:00	13.3	65.3	2.5	336.9	13.2	64.7	3.3	320.0
4/24/2007 2:00	12.8	68.0	2.3	340.5	12.7	65.3	2.5	326.2
4/24/2007 3:00	12.0	70.6	2.0	356.1	12.1	67.7	2.5	349.0
4/24/2007 4:00	10.7	75.8	0.7	10.6	11.4	72.9	1.7	7.8
4/24/2007 5:00	9.1	81.7	0.1	66.0	10.3	78.6	0.8	23.6
4/24/2007 6:00	8.8	84.7	0.6	89.3	9.0	87.4	0.9	74.7

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/24/2007 7:00	8.0	87.7	0.1	21.4	6.9	91.6	0.2	69.2
4/24/2007 8:00	8.5	87.7	0.1	169.3	8.7	81.4	0.3	215.6
4/24/2007 9:00	10.6	68.9	0.3	324.4	11.7	61.0	0.5	147.9
4/24/2007 10:00	12.4	61.5	0.9	110.8	13.0	60.9	1.1	87.7
4/24/2007 11:00	14.2	56.8	1.0	119.5	13.6	58.5	1.4	100.9
4/24/2007 12:00	14.5	54.8	0.8	280.1	14.1	53.2	1.3	139.3
4/24/2007 13:00	16.0	48.6	1.5	144.5	15.4	49.0	1.6	160.3
4/24/2007 14:00	17.3	44.5	1.3	314.8	16.8	42.7	2.1	192.1
4/24/2007 15:00	19.3	33.3	1.8	342.5	17.4	38.4	2.4	319.5
4/24/2007 16:00	20.9	39.3	1.7	15.9	18.2	43.6	2.4	29.6
4/24/2007 17:00	19.3	47.0	2.2	137.8	17.0	48.3	3.4	130.0
4/24/2007 18:00	18.9	41.7	2.0	150.2	16.8	49.6	3.1	133.9
4/24/2007 19:00	16.9	51.5	2.2	170.6	15.9	52.8	3.1	148.1
4/24/2007 20:00	14.3	60.3	2.3	173.0	13.9	58.6	3.1	150.2
4/24/2007 21:00	12.5	62.7	1.1	137.5	11.9	61.7	1.6	131.4
4/24/2007 22:00	11.1	63.9	1.1	131.1	10.7	61.0	1.6	101.9
4/24/2007 23:00	10.2	66.2	0.8	138.3	9.7	65.1	0.9	130.3
4/25/2007 0:00	9.9	69.8	0.6	197.5	9.1	66.1	0.9	215.5
4/25/2007 1:00	10.5	69.5	0.3	52.9	10.1	59.9	0.6	27.7
4/25/2007 2:00	11.0	64.4	0.7	51.8	11.0	59.2	1.2	52.0
4/25/2007 3:00	11.5	62.4	0.7	26.4	11.1	59.7	1.4	15.5
4/25/2007 4:00	11.4	64.5	1.4	44.6	10.8	64.0	2.8	32.4
4/25/2007 5:00	11.2	66.1	1.3	39.2	10.6	68.8	2.7	31.9
4/25/2007 6:00	10.8	76.0	1.1	48.5	10.2	79.2	2.5	31.6
4/25/2007 7:00	9.5	85.1	1.2	52.7	8.7	88.4	2.2	41.0
4/25/2007 8:00	8.9	89.4	1.4	64.7	8.4	91.0	2.7	48.5
4/25/2007 9:00	8.4	89.8	2.2	75.0	7.9	88.0	4.1	55.3
4/25/2007 10:00	8.7	91.5	1.8	45.7	8.1	92.9	3.3	32.6
4/25/2007 11:00	8.9	92.4	2.4	45.9	8.3	92.8	4.0	33.9
4/25/2007 12:00	8.7	92.6	2.7	62.7	8.1	93.1	4.1	51.1
4/25/2007 13:00	8.9	92.7	3.0	81.6	8.2	91.2	5.4	57.4
4/25/2007 14:00	9.2	92.0	2.4	73.8	8.5	89.9	4.6	58.1
4/25/2007 15:00	9.2	91.4	2.4	87.6	8.5	90.5	3.8	67.0
4/25/2007 16:00	9.4	90.1	2.2	74.8	8.6	88.0	3.5	55.3
4/25/2007 17:00	9.4	88.8	2.1	61.2	8.7	87.4	3.4	49.5
4/25/2007 18:00	9.7	87.4	1.8	59.6	9.0	86.8	3.1	42.6
4/25/2007 19:00	9.8	86.7	1.4	71.2	9.1	85.0	3.1	61.7
4/25/2007 20:00	9.4	85.9	2.0	92.7	8.9	85.0	3.4	68.2
4/25/2007 21:00	8.4	86.9	1.2	109.2	8.2	87.7	1.7	78.1
4/25/2007 22:00	8.3	87.7	1.2	58.3	7.8	87.5	2.2	45.1
4/25/2007 23:00	8.4	89.0	1.4	77.8	7.9	89.9	2.8	54.5
4/26/2007 0:00	8.6	89.1	1.7	78.3	8.1	86.1	3.2	55.7
4/26/2007 1:00	8.5	86.5	2.2	90.1	8.1	86.4	4.0	63.5

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/26/2007 2:00	8.1	87.1	2.1	77.6	7.5	87.7	3.5	53.7
4/26/2007 3:00	7.8	87.1	2.0	78.9	7.3	87.0	3.0	55.9
4/26/2007 4:00	7.9	85.8	2.0	77.8	7.5	83.0	3.7	56.1
4/26/2007 5:00	8.0	85.5	2.3	75.8	7.5	86.9	4.4	57.7
4/26/2007 6:00	8.0	88.2	2.1	80.2	7.3	90.7	3.9	55.2
4/26/2007 7:00	7.8	90.3	2.6	76.9	7.3	92.4	4.3	57.4
4/26/2007 8:00	7.9	91.2	2.4	77.7	7.4	92.9	3.9	56.4
4/26/2007 9:00	8.1	92.6	2.8	83.5	7.4	94.1	4.3	57.2
4/26/2007 10:00	8.4	92.5	2.6	75.5	7.8	93.1	4.4	54.6
4/26/2007 11:00	8.6	92.9	2.3	95.7	8.1	93.7	3.5	79.2
4/26/2007 12:00	8.5	93.7	2.3	93.1	7.8	94.3	3.7	71.4
4/26/2007 13:00	8.7	94.1	3.3	82.8	8.0	94.5	5.3	61.7
4/26/2007 14:00	9.5	93.7	3.1	95.1	8.7	94.3	4.9	70.6
4/26/2007 15:00	10.1	93.3	2.4	111.1	9.4	93.2	3.6	86.6
4/26/2007 16:00	12.2	89.6	2.2	112.8	11.3	89.4	2.8	91.8
4/26/2007 17:00	13.3	88.2	1.9	95.3	12.7	89.2	2.6	86.1
4/26/2007 18:00	13.8	88.7	2.4	90.0	12.9	91.2	3.4	62.9
4/26/2007 19:00	12.8	91.6	2.0	84.7	12.1	94.5	3.1	67.9
4/26/2007 20:00	11.9	93.7	1.9	92.0	11.2	96.3	3.2	69.1
4/26/2007 21:00	11.3	94.9	2.4	100.4	10.7	96.8	4.1	71.8
4/26/2007 22:00	11.5	95.3	1.0	68.0	11.2	97.1	1.2	45.3
4/26/2007 23:00	11.8	96.0	2.0	91.9	11.4	97.6	2.5	64.6
4/27/2007 0:00	12.1	96.0	0.8	94.8	11.8	97.3	1.4	303.3
4/27/2007 1:00	11.9	96.3	0.4	150.6	11.8	97.6	0.9	176.4
4/27/2007 2:00	12.2	96.8	0.4	248.9	12.0	97.8	0.8	233.1
4/27/2007 3:00	12.1	97.6	1.3	198.6	11.9	98.1	1.9	199.4
4/27/2007 4:00	12.0	98.1	1.2	213.0	11.7	98.3	1.9	206.1
4/27/2007 5:00	12.0	98.5	1.3	206.6	11.8	98.5	1.7	199.1
4/27/2007 6:00	12.4	98.7	1.5	203.2	12.1	98.6	1.8	191.5
4/27/2007 7:00	12.7	98.6	1.4	196.9	12.3	98.6	1.7	192.0
4/27/2007 8:00	12.9	98.5	1.4	194.7	12.6	98.7	1.9	191.4
4/27/2007 9:00	13.2	98.1	1.4	191.2	13.0	98.5	2.0	188.3
4/27/2007 10:00	13.5	97.0	2.1	194.8	13.4	97.8	2.9	189.5
4/27/2007 11:00	13.3	92.7	2.8	213.9	13.1	89.7	4.4	208.0
4/27/2007 12:00	12.8	86.0	3.2	223.0	12.9	84.7	5.2	215.1
4/27/2007 13:00	13.0	77.9	3.3	232.4	13.0	78.9	4.9	213.4
4/27/2007 14:00	13.1	77.9	3.9	221.9	13.2	78.7	5.6	212.1
4/27/2007 15:00	12.8	76.7	3.8	225.1	12.6	76.6	5.5	209.3
4/27/2007 16:00	12.3	76.2	3.8	223.0	12.2	77.5	5.4	215.4
4/27/2007 17:00	12.0	78.3	3.2	231.7	11.8	79.5	4.9	219.0
4/27/2007 18:00	12.0	74.5	3.1	249.3	11.8	75.0	4.3	231.4
4/27/2007 19:00	11.5	77.6	2.7	249.6	11.3	79.5	4.4	239.3
4/27/2007 20:00	11.2	77.2	2.0	250.7	10.9	77.7	3.5	230.7



## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/27/2007 21:00	11.0	76.2	2.6	250.4	10.7	77.1	4.1	232.6
4/27/2007 22:00	10.7	76.5	2.4	249.6	10.4	76.8	4.3	233.4
4/27/2007 23:00	10.4	81.0	2.0	260.2	10.1	80.0	3.1	238.8
4/28/2007 0:00	9.7	84.4	1.1	263.9	9.6	81.5	3.3	233.0
4/28/2007 1:00	9.4	81.1	2.0	245.1	9.1	82.2	3.3	232.9
4/28/2007 2:00	9.3	81.1	1.9	254.2	9.1	81.3	3.3	234.2
4/28/2007 3:00	9.0	82.8	2.0	266.8	8.8	82.9	3.7	241.7
4/28/2007 4:00	8.7	84.6	2.0	265.2	8.5	84.8	3.4	250.3
4/28/2007 5:00	8.5	86.8	1.7	258.6	8.3	87.6	2.9	245.1
4/28/2007 6:00	8.3	88.6	1.9	261.0	8.1	89.5	2.8	238.0
4/28/2007 7:00	8.1	89.7	1.9	262.9	7.9	90.8	2.5	241.2
4/28/2007 8:00	8.2	90.2	1.3	275.8	7.9	91.3	2.9	257.4
4/28/2007 9:00	8.6	90.3	1.2	285.0	8.1	92.1	2.2	257.9
4/28/2007 10:00	9.3	86.3	1.5	287.1	9.1	84.1	2.6	263.8
4/28/2007 11:00	10.6	77.4	1.7	295.6	10.7	76.4	3.2	243.3
4/28/2007 12:00	12.2	67.0	1.5	262.8	12.2	64.3	3.1	242.0
4/28/2007 13:00	14.7	54.1	2.4	267.2	15.1	52.5	4.1	245.5
4/28/2007 14:00	17.4	45.5	2.4	293.5	17.4	43.2	4.0	259.2
4/28/2007 15:00	18.9	39.0	2.8	297.7	18.4	39.3	4.6	279.9
4/28/2007 16:00	19.8	36.8	2.6	300.0	19.2	38.3	3.9	280.3
4/28/2007 17:00	20.8	33.5	2.6	296.2	20.6	36.4	4.3	265.5
4/28/2007 18:00	21.3	35.9	2.6	295.5	20.6	37.7	3.9	273.0
4/28/2007 19:00	20.8	38.3	2.0	290.0	20.2	39.4	3.5	270.1
4/28/2007 20:00	19.4	64.3	1.9	287.3	19.2	66.1	3.3	264.7
4/28/2007 21:00	15.9	77.2	1.3	294.9	15.4	74.3	2.7	272.8
4/28/2007 22:00	14.2	84.7	0.5	170.8	13.9	86.0	0.6	170.3
4/28/2007 23:00	12.8	87.7	0.5	281.1	12.1	87.5	1.0	251.1
4/29/2007 0:00	12.0	89.8	0.2	99.3	11.9	91.2	0.4	29.7
4/29/2007 1:00	11.3	91.3	0.2	110.9	10.9	93.0	0.2	218.9
4/29/2007 2:00	10.8	92.6	0.1	247.4	10.1	94.0	0.1	273.7
4/29/2007 3:00	10.2	93.2	0.4	310.9	9.4	95.1	1.0	262.5
4/29/2007 4:00	11.0	91.2	0.8	318.6	11.3	86.0	1.6	285.9
4/29/2007 5:00	10.6	88.0	0.9	324.9	11.2	78.6	1.9	290.1
4/29/2007 6:00	10.0	85.8	0.8	313.3	10.7	77.6	1.8	281.5
4/29/2007 7:00	10.1	80.7	1.2	310.9	10.2	78.8	2.0	282.8
4/29/2007 8:00	10.9	76.2	1.5	313.3	11.0	73.5	2.2	286.2
4/29/2007 9:00	12.5	67.2	1.7	312.0	12.8	64.4	2.4	287.1
4/29/2007 10:00	14.7	59.4	1.6	305.0	14.9	52.7	2.6	282.3
4/29/2007 11:00	16.8	46.5	1.6	296.8	16.9	44.6	2.6	278.3
4/29/2007 12:00	18.6	39.9	1.6	304.5	18.9	38.2	2.9	257.6
4/29/2007 13:00	20.0	35.8	2.1	273.3	20.5	35.4	3.3	245.7
4/29/2007 14:00	20.9	28.7	2.6	251.9	21.6	31.6	3.6	232.4
4/29/2007 15:00	22.0	26.9	2.7	227.1	22.8	30.5	3.5	223.0

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
4/29/2007 16:00	22.6	39.0	3.0	203.1	22.9	41.1	4.3	186.4
4/29/2007 17:00	22.7	36.8	3.5	185.9	22.2	40.4	4.8	168.8
4/29/2007 18:00	22.9	39.9	3.7	189.1	22.6	41.6	5.1	178.2
4/29/2007 19:00	21.6	44.6	3.7	173.7	20.9	48.2	4.8	168.3
4/29/2007 20:00	20.5	47.3	2.7	173.5	20.0	50.7	3.3	164.3
4/29/2007 21:00	20.0	53.8	2.5	183.6	19.0	57.3	2.6	179.6
4/29/2007 22:00	19.0	58.8	2.2	176.9	18.1	61.5	2.7	175.5
4/29/2007 23:00	17.6	65.8	1.4	165.3	17.2	67.4	2.6	168.4
4/30/2007 0:00	18.1	56.4	1.4	181.2	17.4	63.5	1.7	186.5
4/30/2007 1:00	18.4	55.8	1.4	182.6	18.5	59.4	2.0	188.1
4/30/2007 2:00	20.0	51.8	2.2	227.2	19.2	52.9	3.4	216.1
4/30/2007 3:00	19.9	51.0	2.2	267.9	19.5	50.9	3.8	248.2
4/30/2007 4:00	19.5	60.0	3.1	322.7	19.3	57.4	4.0	301.8
4/30/2007 5:00	16.5	55.1	2.6	356.1	16.5	55.8	3.6	350.4
4/30/2007 6:00	15.4	54.8	1.8	328.8	15.4	56.5	2.4	308.3
4/30/2007 7:00	14.6	48.1	1.9	331.6	14.6	47.1	2.8	304.4
4/30/2007 8:00	14.1	49.0	1.8	336.7	14.3	45.0	3.0	315.2
4/30/2007 9:00	14.6	46.2	2.3	343.8	14.5	42.2	3.1	344.9
4/30/2007 10:00	15.8	39.6	2.1	352.9	15.2	38.3	3.5	339.0
4/30/2007 11:00	17.1	35.6	1.9	358.6	16.3	39.0	2.7	339.1
4/30/2007 12:00	18.3	34.3	1.5	358.2	17.3	43.5	2.4	352.9
4/30/2007 13:00	20.0	40.1	2.0	75.4	17.6	45.1	2.7	61.0
4/30/2007 14:00	20.8	40.9	2.2	100.5	18.6	45.5	2.7	63.0
4/30/2007 15:00	21.3	43.1	2.3	95.8	18.8	42.5	3.1	56.0
4/30/2007 16:00	22.1	42.3	1.8	99.3	19.3	44.2	2.2	69.1
4/30/2007 17:00	19.0	48.0	2.7	176.3	18.4	51.0	4.1	167.5
4/30/2007 18:00	18.2	48.3	2.0	150.0	17.0	49.0	3.3	139.4
4/30/2007 19:00	17.8	54.5	1.5	124.2	17.0	53.3	2.1	106.1
4/30/2007 20:00	15.9	62.1	1.7	135.9	15.4	62.7	2.1	115.1
4/30/2007 21:00	14.2	80.0	0.8	246.9	13.7	82.2	1.2	210.4
4/30/2007 22:00	13.1	86.4	0.8	110.6	12.7	83.7	1.2	116.0
4/30/2007 23:00	12.1	89.0	1.1	138.9	11.6	87.3	1.5	121.3
5/1/2007 0:00	11.3	89.4	1.1	138.3	10.8	88.0	1.6	118.1
5/1/2007 1:00	10.5	89.7	1.5	144.6	10.0	88.7	2.3	125.5
5/1/2007 2:00	9.9	90.7	1.3	168.1	9.5	90.8	2.2	150.2
5/1/2007 3:00	9.2	93.8	1.8	184.0	8.8	94.7	2.6	173.9
5/1/2007 4:00	9.2	94.7	1.1	152.3	8.8	95.7	1.7	149.4
5/1/2007 5:00	9.3	94.9	1.3	102.1	8.8	95.6	1.9	85.6
5/1/2007 6:00	9.3	94.9	1.1	89.8	9.0	94.4	2.2	64.9
5/1/2007 7:00	9.3	94.6	1.1	84.2	9.1	91.2	2.2	62.9
5/1/2007 8:00	9.6	91.7	1.6	92.9	9.7	80.0	2.6	71.9
5/1/2007 9:00	10.5	79.7	2.0	87.3	10.3	69.8	3.4	66.1
5/1/2007 10:00	12.6	69.3	2.3	76.5	12.1	67.6	3.8	57.4

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/1/2007 11:00	14.7	65.8	2.0	82.5	13.7	64.2	4.1	56.3
5/1/2007 12:00	15.6	60.8	2.4	77.0	14.5	62.1	4.3	64.7
5/1/2007 13:00	16.7	56.3	2.8	88.4	15.3	59.2	4.3	67.3
5/1/2007 14:00	17.4	60.3	2.7	102.7	15.9	62.0	3.8	87.6
5/1/2007 15:00	15.4	73.8	2.2	74.8	14.8	75.7	3.4	56.9
5/1/2007 16:00	13.6	81.8	2.0	79.9	12.9	79.1	3.1	70.7
5/1/2007 17:00	13.5	81.3	2.1	67.8	12.5	84.5	3.2	44.1
5/1/2007 18:00	13.4	90.1	1.9	52.2	12.7	92.6	2.3	37.1
5/1/2007 19:00	12.1	92.1	1.2	25.5	11.0	93.9	2.3	19.2
5/1/2007 20:00	11.5	91.5	1.3	32.2	10.7	90.3	2.7	18.7
5/1/2007 21:00	11.0	91.1	1.1	12.1	10.4	90.3	2.6	3.0
5/1/2007 22:00	10.8	91.8	0.8	25.3	10.2	88.8	1.9	14.3
5/1/2007 23:00	10.5	91.9	0.5	22.8	10.2	89.8	1.4	18.8
5/2/2007 0:00	9.8	92.7	0.3	356.3	9.9	91.1	0.7	358.2
5/2/2007 1:00	9.4	93.4	0.6	356.7	9.5	92.1	1.1	349.9
5/2/2007 2:00	9.7	94.0	0.5	124.6	9.5	93.2	0.7	51.8
5/2/2007 3:00	10.1	94.1	0.3	288.5	9.6	94.1	0.8	271.1
5/2/2007 4:00	10.1	94.3	0.2	16.0	9.8	92.8	0.8	339.5
5/2/2007 5:00	9.6	94.2	0.2	289.7	9.4	93.1	0.5	287.2
5/2/2007 6:00	9.2	94.7	0.2	69.0	8.4	94.3	0.6	272.7
5/2/2007 7:00	10.0	94.6	0.4	7.9	10.0	88.6	1.1	353.0
5/2/2007 8:00	10.3	93.9	1.1	357.8	10.5	84.7	1.6	358.9
5/2/2007 9:00	11.4	85.9	1.7	351.3	11.5	76.2	2.3	0.3
5/2/2007 10:00	12.9	66.4	1.4	21.0	12.0	65.1	2.3	4.4
5/2/2007 11:00	14.5	60.6	1.8	45.6	12.9	61.8	2.9	28.8
5/2/2007 12:00	15.5	59.0	1.9	38.9	13.7	54.9	2.7	19.3
5/2/2007 13:00	16.9	55.1	1.9	64.6	14.4	54.1	2.7	30.7
5/2/2007 14:00	18.0	49.2	1.9	45.5	15.3	53.6	2.4	30.6
5/2/2007 15:00	18.8	47.6	2.3	54.6	15.8	51.5	2.9	21.0
5/2/2007 16:00	19.2	50.9	2.4	63.7	16.2	51.8	3.7	42.0
5/2/2007 17:00	18.4	51.7	2.2	60.7	16.0	52.0	3.9	50.3
5/2/2007 18:00	18.6	43.1	2.4	53.1	16.3	49.8	3.6	29.6
5/2/2007 19:00	17.0	53.1	2.1	41.7	15.6	53.5	3.6	41.7
5/2/2007 20:00	15.5	57.8	1.7	48.9	14.9	57.6	2.9	30.4
5/2/2007 21:00	13.5	68.3	1.7	46.7	13.1	68.9	3.6	30.3
5/2/2007 22:00	11.3	62.8	2.0	46.3	11.1	63.5	3.3	31.6
5/2/2007 23:00	10.5	66.9	1.4	39.0	10.4	61.5	3.0	23.0
5/3/2007 0:00	9.9	65.6	0.9	6.2	10.1	58.8	2.5	2.9
5/3/2007 1:00	9.4	67.7	0.9	357.2	10.1	55.4	2.4	0.0
5/3/2007 2:00	9.0	68.9	0.8	1.0	9.7	60.5	2.3	2.3
5/3/2007 3:00	9.2	68.7	0.9	15.4	9.6	67.3	2.4	15.1
5/3/2007 4:00	9.6	71.5	1.1	22.8	9.5	71.2	2.7	14.1
5/3/2007 5:00	9.4	74.6	1.2	32.0	9.1	73.3	2.5	20.3

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/3/2007 6:00	9.0	77.1	1.0	23.4	8.8	80.0	2.4	20.8
5/3/2007 7:00	8.6	81.3	0.7	14.3	8.6	78.7	1.8	18.0
5/3/2007 8:00	10.1	69.6	1.4	31.8	10.3	60.6	2.9	25.1
5/3/2007 9:00	12.0	54.2	2.6	66.3	11.8	52.4	4.2	48.9
5/3/2007 10:00	13.3	53.3	2.4	58.8	12.4	54.2	4.3	48.4
5/3/2007 11:00	14.8	51.0	2.8	66.5	13.8	50.8	4.3	48.7
5/3/2007 12:00	16.6	53.3	2.7	65.7	15.2	50.4	4.0	42.5
5/3/2007 13:00	17.8	48.2	2.4	45.9	15.9	52.6	4.1	29.2
5/3/2007 14:00	19.1	50.2	2.4	52.1	16.5	45.2	4.8	37.2
5/3/2007 15:00	19.6	38.1	3.4	65.3	17.1	41.5	4.7	36.5
5/3/2007 16:00	20.4	31.8	3.5	64.2	17.7	36.4	5.2	41.0
5/3/2007 17:00	21.2	30.1	3.3	59.1	18.2	32.4	5.3	45.5
5/3/2007 18:00	21.4	29.9	3.1	66.7	18.4	33.3	5.4	54.4
5/3/2007 19:00	20.6	33.3	2.8	49.2	17.8	35.5	5.1	35.5
5/3/2007 20:00	16.6	38.2	2.7	38.1	15.6	38.1	4.4	17.2
5/3/2007 21:00	13.6	46.5	2.5	41.0	13.3	41.4	4.5	24.2
5/3/2007 22:00	11.9	48.8	2.2	40.8	11.8	48.2	4.0	28.4
5/3/2007 23:00	10.9	51.9	1.5	35.9	10.7	52.3	2.9	22.2
5/4/2007 0:00	10.2	62.7	1.2	26.4	10.1	60.2	2.2	14.9
5/4/2007 1:00	9.4	69.0	0.7	20.1	9.5	65.3	1.7	16.5
5/4/2007 2:00	9.2	62.6	0.9	22.7	9.5	60.3	2.3	17.1
5/4/2007 3:00	9.4	62.8	0.8	33.1	9.7	57.8	2.1	26.8
5/4/2007 4:00	9.2	61.6	0.7	13.8	10.0	48.3	2.7	31.1
5/4/2007 5:00	9.2	57.4	0.9	18.2	9.8	51.0	2.5	22.9
5/4/2007 6:00	9.2	57.9	1.0	37.7	9.3	51.9	2.9	30.6
5/4/2007 7:00	9.0	55.4	1.1	43.4	9.1	49.4	2.9	36.1
5/4/2007 8:00	10.1	49.3	1.5	49.2	10.2	45.9	3.4	38.6
5/4/2007 9:00	11.9	39.7	2.5	63.3	11.6	39.6	4.9	50.9
5/4/2007 10:00	13.3	40.2	3.0	76.6	12.6	40.6	4.7	51.9
5/4/2007 11:00	15.6	36.9	2.8	72.0	14.6	36.5	4.8	55.8
5/4/2007 12:00	17.3	38.0	2.7	65.1	15.9	37.2	4.4	56.9
5/4/2007 13:00	18.7	34.8	3.3	80.4	17.0	39.1	4.6	57.0
5/4/2007 14:00	19.9	35.5	3.4	76.4	17.9	35.6	5.2	60.5
5/4/2007 15:00	21.4	31.3	3.3	76.2	18.9	31.8	5.0	53.6
5/4/2007 16:00	22.1	31.6	3.6	84.1	19.5	30.6	5.4	59.5
5/4/2007 17:00	22.9	29.9	3.3	84.1	19.7	34.3	5.2	64.5
5/4/2007 18:00	21.4	30.1	3.0	80.6	19.2	31.7	4.9	56.2
5/4/2007 19:00	20.3	27.9	2.5	54.7	18.7	30.3	4.0	44.6
5/4/2007 20:00	18.1	36.2	1.9	70.4	17.6	33.9	3.6	50.4
5/4/2007 21:00	16.2	35.7	1.9	91.8	16.1	33.3	2.9	56.4
5/4/2007 22:00	14.6	37.8	1.9	87.6	14.7	34.7	3.4	56.8
5/4/2007 23:00	13.4	45.6	1.7	61.1	13.3	43.0	2.8	39.5
5/5/2007 0:00	12.7	58.8	1.4	57.9	12.6	53.0	3.4	48.4

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/5/2007 1:00	11.1	71.8	0.4	7.0	11.4	64.6	1.4	20.3
5/5/2007 2:00	10.9	59.3	0.8	36.6	11.7	45.7	2.7	35.5
5/5/2007 3:00	12.0	47.6	1.7	64.0	12.2	38.9	3.9	47.0
5/5/2007 4:00	11.8	57.9	1.3	39.4	12.0	53.8	3.4	33.4
5/5/2007 5:00	11.0	62.9	1.0	28.0	11.3	58.4	3.0	23.0
5/5/2007 6:00	10.6	60.1	1.2	33.5	10.8	57.6	3.0	23.3
5/5/2007 7:00	10.6	62.8	1.0	29.9	10.7	60.1	2.6	22.1
5/5/2007 8:00	11.5	55.0	1.3	36.1	11.5	53.6	3.1	24.3
5/5/2007 9:00	12.9	51.2	2.1	37.6	12.5	51.1	4.2	25.2
5/5/2007 10:00	13.9	48.6	2.3	40.7	13.1	50.6	4.5	27.0
5/5/2007 11:00	15.7	44.5	2.7	40.5	14.7	43.8	5.4	29.7
5/5/2007 12:00	17.7	39.1	3.0	48.4	16.5	39.3	5.4	28.1
5/5/2007 13:00	19.4	35.6	3.2	61.8	18.1	35.4	5.3	39.4
5/5/2007 14:00	20.3	30.6	2.8	57.8	19.0	28.2	5.0	39.6
5/5/2007 15:00	21.3	35.2	2.6	52.0	19.7	38.0	4.9	33.1
5/5/2007 16:00	20.9	36.7	2.9	42.3	19.5	33.5	5.3	25.3
5/5/2007 17:00	20.1	35.4	2.4	21.4	19.3	32.7	4.4	15.3
5/5/2007 18:00	18.7	38.1	2.6	24.7	18.1	36.3	5.2	14.3
5/5/2007 19:00	17.7	40.2	2.2	28.6	17.1	36.5	4.6	15.9
5/5/2007 20:00	16.7	36.3	2.2	21.7	16.1	34.0	4.2	12.8
5/5/2007 21:00	15.2	35.2	2.1	20.4	15.1	30.6	4.4	10.0
5/5/2007 22:00	13.5	42.0	1.8	21.8	13.6	36.4	3.9	11.9
5/5/2007 23:00	12.5	49.8	1.3	19.6	12.6	45.6	3.1	13.6
5/6/2007 0:00	12.0	47.5	1.0	20.2	12.2	46.7	3.2	14.8
5/6/2007 1:00	11.9	51.9	1.8	34.8	11.9	47.9	3.5	23.2
5/6/2007 2:00	11.4	40.8	1.8	45.8	11.6	38.2	4.3	29.6
5/6/2007 3:00	11.0	44.6	2.1	44.0	11.0	43.1	4.2	29.8
5/6/2007 4:00	10.3	45.8	1.8	42.4	10.2	44.0	3.6	31.0
5/6/2007 5:00	9.8	46.9	1.8	58.9	9.7	45.2	3.5	37.2
5/6/2007 6:00	9.1	43.0	2.1	67.8	9.2	40.4	4.0	48.3
5/6/2007 7:00	9.0	39.5	2.8	76.8	8.8	36.7	4.9	53.3
5/6/2007 8:00	9.3	39.3	2.9	85.8	9.1	40.5	5.1	59.2
5/6/2007 9:00	10.1	37.7	3.5	89.3	9.7	37.1	5.5	64.2
5/6/2007 10:00	11.8	31.6	3.4	98.1	11.0	31.3	6.7	72.8
5/6/2007 11:00	13.2	27.8	3.6	94.8	12.0	28.7	6.0	76.7
5/6/2007 12:00	13.9	31.9	3.8	89.5	12.4	27.5	6.1	70.2
5/6/2007 13:00	15.1	30.7	3.3	86.2	13.1	26.7	5.7	66.9
5/6/2007 14:00	16.1	32.8	3.5	71.6	14.1	28.0	5.7	61.1
5/6/2007 15:00	17.1	26.3	3.4	65.3	14.5	27.5	5.8	44.9
5/6/2007 16:00	18.0	23.9	3.6	58.7	15.4	24.1	6.0	50.9
5/6/2007 17:00	19.5	22.6	3.0	72.6	16.3	21.3	5.8	65.1
5/6/2007 18:00	18.9	22.6	3.7	91.0	16.3	25.6	5.7	64.0
5/6/2007 19:00	17.5	27.5	2.8	88.2	15.4	24.3	4.8	63.2

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/6/2007 20:00	14.7	38.1	2.4	106.5	14.0	36.5	3.8	80.1
5/6/2007 21:00	11.8	45.4	1.7	97.3	11.8	41.5	3.2	78.5
5/6/2007 22:00	10.3	53.9	1.5	93.2	10.5	52.1	3.1	70.9
5/6/2007 23:00	9.5	59.4	2.0	94.3	9.5	59.2	3.4	66.0
5/7/2007 0:00	9.1	56.3	2.1	96.9	9.2	53.0	3.3	73.2
5/7/2007 1:00	9.0	53.5	1.9	102.0	9.2	51.6	3.9	78.5
5/7/2007 2:00	8.9	57.1	1.6	107.1	8.9	55.0	3.1	82.4
5/7/2007 3:00	8.2	62.7	1.5	99.1	8.2	61.6	2.2	75.5
5/7/2007 4:00	7.7	66.7	2.1	101.9	7.7	66.8	3.8	78.8
5/7/2007 5:00	7.1	71.6	1.0	113.8	7.2	71.9	2.0	83.0
5/7/2007 6:00	6.3	75.0	0.6	108.8	6.4	74.7	1.7	74.5
5/7/2007 7:00	5.4	78.9	0.2	36.1	6.2	74.5	1.0	81.4
5/7/2007 8:00	7.1	76.1	0.6	142.9	8.9	64.7	0.8	118.1
5/7/2007 9:00	10.8	65.4	1.1	173.2	11.5	60.1	1.6	159.5
5/7/2007 10:00	14.2	41.9	2.1	175.6	14.9	39.4	3.3	167.9
5/7/2007 11:00	16.7	31.9	3.1	173.3	17.1	28.5	4.7	169.4
5/7/2007 12:00	17.8	30.4	3.4	168.6	17.8	30.9	5.2	159.7
5/7/2007 13:00	18.4	29.4	3.4	171.6	18.5	30.6	5.2	166.3
5/7/2007 14:00	19.6	27.8	2.9	168.1	19.4	28.0	4.8	163.7
5/7/2007 15:00	20.8	27.2	2.7	165.3	20.1	24.3	4.7	155.7
5/7/2007 16:00	22.5	26.2	2.3	158.1	21.1	23.8	5.0	152.4
5/7/2007 17:00	23.0	23.8	2.3	160.8	21.3	23.3	4.5	152.2
5/7/2007 18:00	23.4	24.6	1.9	153.1	21.3	24.5	3.8	144.8
5/7/2007 19:00	23.3	24.0	1.6	144.8	21.0	23.6	3.0	128.2
5/7/2007 20:00	21.1	33.5	1.4	137.8	20.1	33.2	2.3	118.4
5/7/2007 21:00	17.5	41.6	1.4	136.3	17.0	41.5	1.7	111.9
5/7/2007 22:00	14.2	49.8	1.2	136.4	14.1	46.7	1.6	108.9
5/7/2007 23:00	12.7	56.7	0.9	150.1	12.6	56.8	0.9	125.1
5/8/2007 0:00	11.6	64.2	0.7	134.6	11.5	63.2	0.6	113.4
5/8/2007 1:00	10.8	72.2	0.4	151.3	10.7	69.5	0.5	130.5
5/8/2007 2:00	9.6	74.8	0.2	162.8	9.7	72.4	0.3	126.1
5/8/2007 3:00	9.8	74.9	0.7	161.2	9.8	70.3	0.7	144.0
5/8/2007 4:00	11.5	59.1	1.2	163.5	12.7	51.3	2.0	163.7
5/8/2007 5:00	13.6	56.9	1.3	166.7	13.7	53.4	2.6	174.5
5/8/2007 6:00	14.0	56.1	1.7	175.0	13.7	57.6	2.6	181.0
5/8/2007 7:00	14.2	59.9	1.3	169.2	13.7	55.0	2.3	171.5
5/8/2007 8:00	14.4	54.4	1.1	164.9	14.7	52.6	2.8	170.5
5/8/2007 9:00	16.5	44.6	2.1	184.6	17.0	45.8	3.4	182.8
5/8/2007 10:00	18.8	37.9	2.5	194.7	19.4	38.0	3.6	185.3
5/8/2007 11:00	20.5	42.0	2.6	206.3	21.3	39.6	3.6	193.9
5/8/2007 12:00	22.5	45.2	1.7	217.8	23.6	40.0	2.8	195.9
5/8/2007 13:00	24.1	43.9	1.6	201.9	24.9	41.4	2.2	189.6
5/8/2007 14:00	25.4	41.2	1.6	204.9	25.9	44.0	2.2	182.1

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/8/2007 15:00	26.6	40.8	1.6	186.5	26.8	40.4	2.5	184.7
5/8/2007 16:00	27.5	40.2	2.0	194.2	27.2	41.8	3.2	163.6
5/8/2007 17:00	28.2	41.7	2.1	178.7	27.6	44.7	3.1	166.1
5/8/2007 18:00	27.9	42.6	2.2	180.5	27.3	44.4	3.5	166.3
5/8/2007 19:00	28.0	46.7	1.6	164.8	27.0	46.1	3.0	156.3
5/8/2007 20:00	26.6	49.7	1.3	167.8	26.3	50.2	2.3	156.4
5/8/2007 21:00	24.2	55.7	0.5	143.7	23.8	55.1	0.9	132.6
5/8/2007 22:00	22.1	59.3	0.6	133.1	22.2	55.8	0.9	127.2
5/8/2007 23:00	21.4	61.9	0.6	137.3	21.1	61.0	0.6	142.6
5/9/2007 0:00	20.7	63.4	0.5	135.0	21.0	63.5	0.3	113.6
5/9/2007 1:00	20.8	66.4	0.7	143.3	20.8	63.5	1.0	129.1
5/9/2007 2:00	20.2	67.3	0.6	137.2	20.0	65.9	0.8	129.7
5/9/2007 3:00	19.6	70.1	0.6	147.5	19.5	68.8	0.9	141.5
5/9/2007 4:00	19.4	72.4	0.6	151.8	19.2	71.9	0.9	137.6
5/9/2007 5:00	19.1	74.4	0.6	161.0	18.8	75.1	0.8	133.4
5/9/2007 6:00	18.7	75.7	0.6	146.1	18.3	76.4	0.9	131.2
5/9/2007 7:00	18.7	70.2	1.0	153.0	18.6	65.8	1.4	146.2
5/9/2007 8:00	19.3	64.4	1.1	162.2	19.3	59.8	2.2	160.2
5/9/2007 9:00	19.8	64.1	0.9	190.7	19.6	62.7	1.5	183.5
5/9/2007 10:00	21.0	66.9	0.3	153.5	21.2	65.6	0.6	160.7
5/9/2007 11:00	20.7	76.4	1.0	331.8	20.4	78.9	1.8	313.1
5/9/2007 12:00	19.8	87.1	1.3	40.5	19.2	88.8	3.1	26.5
5/9/2007 13:00	18.0	92.7	1.9	79.5	17.5	93.8	3.3	42.8
5/9/2007 14:00	18.4	93.1	2.1	105.8	17.7	93.7	3.4	78.6
5/9/2007 15:00	18.9	91.6	0.9	118.7	18.7	86.6	2.1	87.1
5/9/2007 16:00	19.3	90.8	0.3	2.0	19.3	87.4	0.6	168.2
5/9/2007 17:00	19.4	92.3	0.4	208.3	19.5	91.2	0.5	198.8
5/9/2007 18:00	18.9	94.3	0.7	191.4	18.7	95.1	1.2	196.4
5/9/2007 19:00	18.8	95.4	0.9	180.6	18.5	95.9	1.5	170.6
5/9/2007 20:00	18.8	96.0	0.9	254.6	18.5	96.3	2.0	238.0
5/9/2007 21:00	19.0	96.2	0.7	231.2	18.8	96.2	1.1	226.5
5/9/2007 22:00	18.7	96.2	0.2	228.2	18.4	97.0	0.6	216.3
5/9/2007 23:00	18.0	96.4	0.3	325.6	18.1	97.3	0.9	288.7
5/10/2007 0:00	16.9	96.7	0.2	65.9	17.7	96.6	0.5	322.9
5/10/2007 1:00	16.5	96.9	0.1	175.8	16.2	97.7	0.6	156.4
5/10/2007 2:00	16.5	97.6	0.4	172.0	15.9	98.9	0.8	160.6
5/10/2007 3:00	16.1	98.0	0.3	338.4	15.6	99.3	0.5	283.1
5/10/2007 4:00	15.7	98.3	0.3	324.7	15.3	99.4	0.6	292.2
5/10/2007 5:00	14.8	98.4	0.1	316.8	14.4	99.4	0.2	250.9
5/10/2007 6:00	13.8	98.7	0.2	169.5	13.3	99.5	0.4	185.7
5/10/2007 7:00	13.2	98.8	0.2	149.4	12.8	99.7	0.4	181.6
5/10/2007 8:00	14.2	99.2	0.4	149.2	13.9	100.0	0.7	132.4
5/10/2007 9:00	15.9	99.2	0.6	48.8	15.6	99.7	1.1	45.0

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/10/2007 10:00	17.9	97.5	0.6	99.3	18.5	95.0	0.9	95.1
5/10/2007 11:00	19.0	93.0	0.9	163.9	19.3	79.7	1.7	152.4
5/10/2007 12:00	20.1	86.2	1.4	185.0	20.8	78.4	2.5	172.8
5/10/2007 13:00	21.7	74.4	1.5	189.1	21.9	76.0	2.8	177.7
5/10/2007 14:00	22.8	74.6	1.8	170.3	21.9	79.5	3.5	161.8
5/10/2007 15:00	23.7	67.9	2.3	179.2	23.7	66.3	3.7	179.5
5/10/2007 16:00	23.4	68.3	1.9	184.6	23.8	67.6	3.3	188.3
5/10/2007 17:00	23.0	65.8	1.5	179.6	22.9	65.1	2.9	180.3
5/10/2007 18:00	25.1	61.9	1.3	165.9	24.1	67.2	2.8	165.1
5/10/2007 19:00	26.1	62.2	0.9	151.4	23.8	64.7	2.5	144.3
5/10/2007 20:00	23.6	71.5	0.7	162.2	22.9	72.4	1.6	157.3
5/10/2007 21:00	21.6	77.3	0.4	148.3	21.2	81.7	0.8	133.6
5/10/2007 22:00	19.7	85.8	0.4	136.7	19.0	87.5	0.8	116.9
5/10/2007 23:00	18.0	88.4	0.4	169.9	17.5	91.0	1.1	159.8
5/11/2007 0:00	17.1	90.9	0.6	178.1	16.5	93.6	1.0	181.5
5/11/2007 1:00	16.4	91.7	0.4	166.1	15.7	94.2	0.7	173.1
5/11/2007 2:00	15.8	92.3	0.3	168.3	15.4	94.5	0.6	137.7
5/11/2007 3:00	15.1	93.1	0.5	194.6	14.2	95.5	0.5	209.5
5/11/2007 4:00	14.6	93.5	0.0	183.5	13.9	95.9	0.1	213.4
5/11/2007 5:00	14.2	94.0	0.2	342.1	13.5	96.2	0.3	306.2
5/11/2007 6:00	13.9	94.4	0.2	305.0	13.1	96.8	0.5	221.4
5/11/2007 7:00	13.8	94.9	0.1	156.5	13.2	97.1	0.1	178.8
5/11/2007 8:00	15.2	95.2	0.0	206.0	16.0	95.1	0.2	213.1
5/11/2007 9:00	18.4	84.6	0.5	289.3	20.7	62.8	0.9	260.0
5/11/2007 10:00	22.6	54.2	0.9	305.7	24.1	53.0	1.0	300.7
5/11/2007 11:00	25.0	49.1	0.9	317.4	24.8	45.8	1.7	351.4
5/11/2007 12:00	26.5	43.9	1.1	344.0	25.7	48.7	1.9	326.9
5/11/2007 13:00	27.2	49.3	1.0	8.6	26.7	49.6	1.6	43.5
5/11/2007 14:00	27.7	52.8	1.3	102.6	26.3	49.1	2.0	63.2
5/11/2007 15:00	28.5	46.4	1.6	88.6	26.6	48.1	2.3	52.7
5/11/2007 16:00	28.8	52.4	1.7	62.7	26.4	53.9	2.7	49.3
5/11/2007 17:00	27.2	50.6	2.3	51.1	24.8	56.6	4.1	27.0
5/11/2007 18:00	26.2	57.4	2.2	48.5	23.8	63.2	4.5	33.6
5/11/2007 19:00	21.0	66.8	2.3	43.8	19.5	68.3	5.5	24.4
5/11/2007 20:00	18.3	72.4	2.1	42.4	17.4	72.0	4.7	21.3
5/11/2007 21:00	16.8	72.7	1.4	35.4	16.1	73.4	3.5	23.4
5/11/2007 22:00	15.8	64.8	1.8	1.0	15.5	59.8	4.5	2.4
5/11/2007 23:00	14.4	52.3	2.0	359.7	14.4	52.0	3.2	359.2
5/12/2007 0:00	13.8	56.0	1.7	2.5	13.6	55.4	3.6	359.3
5/12/2007 1:00	13.2	59.4	1.6	357.7	13.1	57.3	3.6	358.6
5/12/2007 2:00	13.0	59.1	1.3	0.0	12.9	57.2	3.0	358.4
5/12/2007 3:00	13.0	58.5	1.2	355.2	13.0	56.6	2.8	356.1
5/12/2007 4:00	12.8	58.9	1.0	5.2	12.8	56.9	2.8	0.6



## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/12/2007 5:00	12.6	61.1	1.1	4.6	12.6	59.4	2.5	3.8
5/12/2007 6:00	11.9	65.9	1.1	14.5	11.8	64.7	3.2	11.1
5/12/2007 7:00	11.6	66.8	1.3	7.0	11.4	65.0	3.5	3.5
5/12/2007 8:00	11.8	64.1	1.4	22.6	11.4	64.1	3.2	7.2
5/12/2007 9:00	12.2	62.7	1.7	0.3	11.7	62.1	3.3	359.2
5/12/2007 10:00	11.9	64.8	1.8	356.4	11.4	64.6	3.3	349.4
5/12/2007 11:00	13.0	58.8	1.6	13.1	12.0	58.0	2.8	1.2
5/12/2007 12:00	15.4	53.5	1.4	8.4	14.1	53.1	3.1	21.5
5/12/2007 13:00	16.8	56.0	2.1	349.9	15.5	54.8	2.9	15.6
5/12/2007 14:00	18.0	45.1	2.2	355.6	16.4	47.9	4.0	356.2
5/12/2007 15:00	19.1	42.6	2.1	12.8	16.8	47.5	4.7	13.5
5/12/2007 16:00	19.5	37.2	2.4	0.6	16.5	50.8	5.5	28.8
5/12/2007 17:00	19.6	38.5	2.4	9.9	16.0	43.6	5.4	26.9
5/12/2007 18:00	18.8	36.6	2.6	0.3	15.5	39.5	5.1	21.4
5/12/2007 19:00	17.2	35.3	2.5	359.7	14.9	33.9	4.7	356.1
5/12/2007 20:00	14.0	33.2	2.5	356.2	13.3	30.8	4.9	356.2
5/12/2007 21:00	11.9	33.6	1.9	356.8	11.7	28.9	4.2	355.9
5/12/2007 22:00	10.3	32.8	1.8	357.1	10.3	28.6	3.8	356.8
5/12/2007 23:00	9.1	36.8	1.6	353.4	9.1	32.1	3.5	1.6
5/13/2007 0:00	8.1	42.1	1.7	353.9	8.2	37.5	3.4	358.2
5/13/2007 1:00	7.3	45.9	1.2	358.8	7.4	40.0	3.0	359.9
5/13/2007 2:00	6.6	53.2	1.0	349.9	6.9	45.4	2.7	359.6
5/13/2007 3:00	6.0	58.7	0.7	11.0	6.1	52.3	2.5	4.5
5/13/2007 4:00	5.3	64.7	0.4	342.6	5.5	62.9	1.8	350.6
5/13/2007 5:00	4.3	68.7	0.7	344.1	4.6	61.8	1.7	343.5
5/13/2007 6:00	4.3	70.3	0.7	342.1	4.6	66.1	1.8	343.5
5/13/2007 7:00	4.1	72.7	0.7	349.3	4.5	67.7	1.9	344.1
5/13/2007 8:00	5.8	68.9	0.9	6.4	5.9	65.3	2.6	3.7
5/13/2007 9:00	9.1	52.4	1.4	34.3	9.1	51.2	2.9	23.7
5/13/2007 10:00	12.1	39.2	1.9	69.8	11.7	38.4	3.7	52.2
5/13/2007 11:00	14.1	32.9	2.0	71.1	13.4	30.6	3.4	60.5
5/13/2007 12:00	15.5	30.7	1.8	69.2	14.4	34.3	2.6	55.3
5/13/2007 13:00	16.5	25.8	1.5	34.7	15.1	29.1	2.3	45.8
5/13/2007 14:00	17.3	25.4	1.5	46.7	15.5	24.6	2.3	36.8
5/13/2007 15:00	18.9	24.6	1.5	72.7	16.3	25.2	2.0	56.2
5/13/2007 16:00	19.6	27.9	1.2	75.7	17.5	23.1	1.4	93.8
5/13/2007 17:00	17.9	30.3	2.5	210.6	18.0	30.8	3.5	197.2
5/13/2007 18:00	17.0	28.6	2.1	186.5	16.6	31.5	3.6	185.7
5/13/2007 19:00	17.0	31.5	1.3	165.8	15.2	30.1	3.0	153.7
5/13/2007 20:00	14.9	44.0	0.6	149.4	13.8	38.4	2.4	156.2
5/13/2007 21:00	12.0	53.3	0.4	169.9	11.7	46.8	1.5	163.2
5/13/2007 22:00	9.7	65.9	0.0	98.3	9.5	57.9	0.6	181.0
5/13/2007 23:00	8.2	71.1	0.1	94.3	8.2	62.6	0.3	130.0

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/14/2007 0:00	7.3	73.7	0.1	35.1	7.3	72.1	0.3	61.0
5/14/2007 1:00	6.5	73.9	0.1	103.2	6.4	63.3	0.2	89.5
5/14/2007 2:00	6.2	74.6	0.0	213.8	5.7	72.3	0.2	27.4
5/14/2007 3:00	5.7	77.1	0.0	353.0	4.7	75.9	0.2	358.4
5/14/2007 4:00	5.4	78.9	0.1	340.3	4.7	82.5	0.2	30.6
5/14/2007 5:00	5.6	82.0	0.1	56.7	4.6	83.1	0.3	43.8
5/14/2007 6:00	6.8	81.4	0.2	26.8	6.6	72.7	0.7	56.0
5/14/2007 7:00	7.4	81.0	0.3	70.9	7.5	73.4	1.0	47.0
5/14/2007 8:00	8.4	77.7	0.4	87.0	8.1	75.3	0.9	50.4
5/14/2007 9:00	10.6	75.7	0.4	114.1	10.5	75.4	0.7	103.2
5/14/2007 10:00	12.5	68.8	0.5	89.2	11.8	68.3	1.1	101.9
5/14/2007 11:00	13.8	71.2	1.3	83.5	12.7	74.0	2.0	60.0
5/14/2007 12:00	15.1	64.1	1.2	103.6	14.2	55.6	1.6	87.1
5/14/2007 13:00	18.6	38.1	1.0	125.6	18.0	37.9	1.7	123.2
5/14/2007 14:00	20.6	37.4	1.7	175.3	20.1	38.7	3.5	151.1
5/14/2007 15:00	22.7	31.8	1.7	158.2	21.3	34.2	4.6	147.4
5/14/2007 16:00	23.9	29.1	1.8	153.0	21.9	31.5	5.0	143.0
5/14/2007 17:00	25.1	28.1	1.5	148.4	22.4	30.0	4.9	142.8
5/14/2007 18:00	25.3	26.1	1.7	162.8	23.5	28.2	4.2	150.9
5/14/2007 19:00	24.5	32.0	2.1	171.2	24.0	31.1	3.7	165.9
5/14/2007 20:00	22.7	44.1	1.1	166.1	22.5	40.3	2.5	167.7
5/14/2007 21:00	21.0	50.2	0.5	155.8	20.6	49.6	1.5	148.9
5/14/2007 22:00	19.2	49.8	0.8	155.4	19.7	40.7	1.6	154.9
5/14/2007 23:00	19.5	37.4	1.2	160.5	21.0	33.9	3.2	169.0
5/15/2007 0:00	21.0	37.6	2.3	173.1	21.1	34.7	4.3	175.1
5/15/2007 1:00	20.1	45.5	2.5	176.7	19.9	46.2	4.1	178.3
5/15/2007 2:00	20.1	35.3	2.5	185.5	18.9	41.1	3.2	179.2
5/15/2007 3:00	21.7	36.5	3.6	204.7	21.0	38.1	4.9	196.9
5/15/2007 4:00	21.0	39.0	3.3	209.3	20.6	37.9	4.6	206.0
5/15/2007 5:00	20.5	41.3	3.1	204.9	20.0	44.0	4.3	203.0
5/15/2007 6:00	19.8	43.8	2.9	205.2	19.3	44.8	4.2	203.7
5/15/2007 7:00	19.4	44.3	2.6	204.5	18.8	46.0	3.6	201.8
5/15/2007 8:00	19.4	45.6	2.5	200.3	19.0	47.5	3.4	198.7
5/15/2007 9:00	19.8	44.7	2.6	209.6	19.9	43.8	3.8	205.4
5/15/2007 10:00	21.6	43.4	3.3	213.4	22.5	42.5	5.1	207.4
5/15/2007 11:00	23.9	44.5	3.3	217.2	25.0	42.0	4.9	208.8
5/15/2007 12:00	26.1	42.4	3.4	211.5	27.2	40.9	4.9	202.3
5/15/2007 13:00	27.8	42.5	3.7	215.7	28.7	39.8	5.7	202.0
5/15/2007 14:00	29.2	42.5	3.6	210.8	30.4	38.0	6.1	205.3
5/15/2007 15:00	29.9	39.0	4.3	213.8	31.1	38.6	6.1	207.7
5/15/2007 16:00	30.4	40.1	3.9	210.0	31.4	40.6	6.1	202.9
5/15/2007 17:00	25.5	81.8	3.5	229.2				353.0
5/15/2007 18:00	21.1	73.3	1.0	250.7				353.0

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/15/2007 19:00	24.9	62.5	1.4	213.0	24.7	60.7	1.9	210.5
5/15/2007 20:00	22.9	83.5	2.0	251.8	23.1	83.4	3.6	229.8
5/15/2007 21:00	19.0	92.6	2.5	221.1	18.6	94.9	3.9	213.2
5/15/2007 22:00	18.6	92.1	1.4	204.8	18.3	91.8	2.3	199.0
5/15/2007 23:00	18.4	90.2	1.6	228.4	18.1	89.8	2.5	222.3
5/16/2007 0:00	18.3	89.6	1.5	264.3	18.1	90.1	3.1	239.8
5/16/2007 1:00	15.0	87.8	2.7	342.7	14.7	88.2	4.7	331.3
5/16/2007 2:00	13.8	90.5	1.3	353.2	13.3	91.0	2.3	355.1
5/16/2007 3:00	13.5	91.8	0.6	315.9	13.1	92.9	1.3	311.8
5/16/2007 4:00	13.5	92.8	0.4	309.3	13.0	94.3	1.1	290.4
5/16/2007 5:00	14.0	92.6	0.8	310.3	13.5	94.0	1.5	297.1
5/16/2007 6:00	14.2	90.8	1.0	316.5	13.7	91.2	1.8	292.8
5/16/2007 7:00	14.0	88.0	0.9	292.3	13.7	87.7	1.8	270.0
5/16/2007 8:00	14.1	83.3	1.1	307.3	13.8	83.8	2.2	285.8
5/16/2007 9:00	14.0	83.1	1.3	306.7	13.6	84.5	2.4	288.4
5/16/2007 10:00	13.8	81.8	1.2	317.3	13.3	82.7	2.5	296.1
5/16/2007 11:00	14.5	77.3	1.3	303.3	14.3	78.0	3.0	284.4
5/16/2007 12:00	14.7	76.2	1.4	298.8	14.4	76.6	2.9	272.5
5/16/2007 13:00	14.1	82.6	1.3	312.6	13.7	84.1	2.5	288.7
5/16/2007 14:00	13.4	81.4	1.6	295.9	13.0	82.3	3.3	275.8
5/16/2007 15:00	14.1	74.8	1.7	276.9	13.8	74.8	4.2	259.9
5/16/2007 16:00	13.5	83.7	1.9	302.3	13.3	85.2	4.2	282.2
5/16/2007 17:00	14.0	68.7	2.1	310.9	13.7	68.6	3.7	287.7
5/16/2007 18:00	13.7	66.4	1.8	307.1	13.5	65.5	3.8	283.4
5/16/2007 19:00	13.3	66.4	1.7	304.1	12.9	66.0	3.5	276.6
5/16/2007 20:00	13.3	58.2	1.9	304.3	13.1	59.2	3.5	282.9
5/16/2007 21:00	12.5	60.6	1.5	315.6	12.1	62.8	2.8	296.3
5/16/2007 22:00	11.5	66.3	1.3	316.9	11.0	67.0	2.4	295.0
5/16/2007 23:00	10.4	66.4	1.2	332.6	10.0	68.0	2.2	300.9
5/17/2007 0:00	9.2	75.3	0.3	315.7	8.9	72.6	1.3	294.6
5/17/2007 1:00	8.1	75.9	0.4	303.6	7.7	77.3	1.2	279.0
5/17/2007 2:00	7.7	82.1	0.2	288.9	7.1	83.8	1.0	269.9
5/17/2007 3:00	7.8	81.6	0.5	308.8	7.1	84.7	1.0	283.0
5/17/2007 4:00	7.6	84.8	0.6	258.9	6.9	87.9	1.3	250.0
5/17/2007 5:00	7.2	86.8	0.3	274.6	6.9	87.2	1.3	262.2
5/17/2007 6:00	7.7	79.4	1.4	335.5	7.3	78.8	2.5	306.5
5/17/2007 7:00	7.7	77.4	1.1	339.0	7.3	75.4	2.5	328.7
5/17/2007 8:00	8.0	73.9	1.3	340.3	7.6	73.2	2.4	336.6
5/17/2007 9:00	8.5	70.3	1.3	348.5	8.0	69.4	2.4	330.9
5/17/2007 10:00	9.3	74.9	1.3	354.2	8.5	78.5	2.3	338.7
5/17/2007 11:00	9.5	75.0	1.2	348.4	8.5	76.5	2.8	330.4
5/17/2007 12:00	10.1	73.6	1.6	355.0	8.9	75.0	3.2	344.7
5/17/2007 13:00	10.3	78.1	1.4	356.3	9.2	80.2	3.0	339.8

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/17/2007 14:00	10.0	87.2	1.4	355.4	9.1	91.0	2.4	343.5
5/17/2007 15:00	9.6	89.0	1.4	0.7	8.8	89.7	3.1	356.8
5/17/2007 16:00	10.4	87.3	1.2	10.7	9.6	84.8	2.8	359.2
5/17/2007 17:00	11.3	75.1	1.3	39.8	10.3	76.3	2.7	27.1
5/17/2007 18:00	12.7	66.4	1.1	59.2	11.1	69.6	2.1	47.6
5/17/2007 19:00	13.8	61.9	1.2	65.0	11.9	62.9	1.9	47.1
5/17/2007 20:00	13.4	59.4	0.9	51.4	12.3	61.6	2.0	46.5
5/17/2007 21:00	12.4	72.8	0.4	87.8	11.1	76.0	1.0	76.3
5/17/2007 22:00	9.2	79.8	0.0	353.0	8.1	87.1	0.4	266.6
5/17/2007 23:00	7.9	86.2	0.0	38.5	6.7	92.0	0.4	294.4
5/18/2007 0:00	7.0	89.2	0.0	345.3	6.0	93.7	0.4	293.7
5/18/2007 1:00	6.5	90.7	0.1	327.4	5.5	94.1	0.5	310.3
5/18/2007 2:00	5.9	91.4	0.0	312.2	5.0	94.1	0.7	299.8
5/18/2007 3:00	5.6	91.8	0.1	328.0	5.4	91.5	1.0	304.3
5/18/2007 4:00	5.4	92.0	0.1	325.4	6.1	90.2	1.1	317.1
5/18/2007 5:00	5.3	92.4	0.1	337.4	5.8	90.6	0.8	321.9
5/18/2007 6:00	5.0	92.5	0.1	317.9	5.2	86.8	0.8	312.1
5/18/2007 7:00	4.8	92.7	0.0	330.6	5.3	77.7	0.8	320.9
5/18/2007 8:00	6.5	91.7	0.1	358.7	8.0	61.8	0.7	317.8
5/18/2007 9:00	9.8	43.0	0.7	347.0	10.8	38.5	1.9	334.5
5/18/2007 10:00	13.2	33.8	1.2	9.0	13.1	32.5	2.2	337.9
5/18/2007 11:00	15.1	32.1	1.2	334.4	14.6	27.6	2.3	332.4
5/18/2007 12:00	16.6	29.8	1.3	325.9	16.2	30.0	2.1	328.0
5/18/2007 13:00	18.3	24.8	1.4	355.4	17.3	27.4	2.2	4.2
5/18/2007 14:00	19.2	32.4	1.4	354.7	18.1	23.7	2.6	23.7
5/18/2007 15:00	20.1	32.2	1.5	82.5	18.6	28.9	2.0	54.3
5/18/2007 16:00	21.6	30.7	1.2	78.1	19.3	29.3	1.7	78.8
5/18/2007 17:00	21.8	28.3	1.2	138.2	19.4	27.8	1.9	127.3
5/18/2007 18:00	20.2	35.5	1.6	171.9	18.6	33.9	3.5	175.3
5/18/2007 19:00	18.9	35.3	1.8	178.3	17.9	37.3	3.5	168.3
5/18/2007 20:00	17.2	44.0	1.1	171.1	17.0	40.1	2.9	166.5
5/18/2007 21:00	15.5	56.4	0.7	175.5	14.9	55.6	1.8	170.1
5/18/2007 22:00	12.5	69.4	0.2	174.9	12.8	61.5	0.8	167.7
5/18/2007 23:00	10.4	74.0	0.0	353.0	10.6	75.4	0.2	237.9
5/19/2007 0:00	9.6	78.6	0.0	181.2	9.0	83.0	0.2	131.3
5/19/2007 1:00	9.3	82.7	0.2	189.0	8.5	84.5	0.5	140.2
5/19/2007 2:00	9.3	84.7	0.3	173.7	8.6	87.9	0.7	161.3
5/19/2007 3:00	8.5	87.3	0.1	175.8	7.9	86.7	0.5	193.1
5/19/2007 4:00	8.2	83.8	0.7	196.4	7.9	84.0	0.5	221.4
5/19/2007 5:00	7.8	85.1	0.5	185.1	7.2	79.1	0.4	192.0
5/19/2007 6:00	7.7	80.9	0.8	181.8	7.4	76.5	1.1	188.8
5/19/2007 7:00	9.4	67.6	0.9	182.8	8.9	70.2	1.1	189.3
5/19/2007 8:00	11.0	65.0	1.0	193.4	10.7	66.3	1.4	191.1

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/19/2007 9:00	11.5	74.1	1.0	197.8	11.1	75.1	1.5	191.6
5/19/2007 10:00	11.9	70.3	1.2	181.6	11.9	68.2	2.0	176.2
5/19/2007 11:00	13.1	67.3	1.1	186.8	13.0	70.0	2.2	186.4
5/19/2007 12:00	14.7	56.8	1.8	198.5	14.8	58.0	2.5	191.0
5/19/2007 13:00	16.0	56.3	1.9	216.6	16.0	57.3	2.9	203.0
5/19/2007 14:00	16.5	55.8	2.8	216.1	16.8	54.1	3.9	202.3
5/19/2007 15:00	17.4	58.5	2.6	213.0	17.7	59.7	4.0	206.1
5/19/2007 16:00	17.6	56.3	1.9	191.4	17.5	56.7	2.8	183.9
5/19/2007 17:00	19.0	54.7	2.3	197.0	19.1	54.9	3.4	193.8
5/19/2007 18:00	20.0	51.8	1.9	189.3	19.9	52.2	3.1	185.9
5/19/2007 19:00	20.4	52.8	1.8	184.7	20.4	53.6	2.7	179.6
5/19/2007 20:00	20.6	55.9	1.2	178.2	20.6	54.5	2.5	177.7
5/19/2007 21:00	20.1	44.1	0.9	190.3	19.4	56.6	1.7	184.7
5/19/2007 22:00	20.5	48.0	1.2	221.4	19.0	50.9	1.6	211.8
5/19/2007 23:00	18.9	59.6	0.9	206.4	18.2	54.2	1.2	211.0
5/20/2007 0:00	17.2	61.0	0.6	193.1	16.9	70.2	0.3	179.4
5/20/2007 1:00	16.9	69.6	0.2	191.0	15.9	68.0	0.1	163.6
5/20/2007 2:00	16.0	71.2	0.1	278.1	15.6	68.4	0.4	270.1
5/20/2007 3:00	15.5	62.7	0.6	225.5	14.9	65.1	0.8	216.8
5/20/2007 4:00	16.4	60.6	0.6	237.5	15.3	61.6	1.1	227.1
5/20/2007 5:00	16.0	62.1	0.4	264.8	15.9	58.7	1.6	246.6
5/20/2007 6:00	15.9	68.7	0.3	320.7	16.0	61.3	1.0	289.9
5/20/2007 7:00	14.3	75.4	0.2	64.5	14.6	83.8	0.8	51.5
5/20/2007 8:00	15.1	77.3	0.4	13.1	15.8	76.0	0.9	13.3
5/20/2007 9:00	16.6	74.5	1.0	349.2	16.5	72.8	1.7	345.6
5/20/2007 10:00	17.7	69.1	1.3	351.3	17.4	71.2	2.3	345.9
5/20/2007 11:00	18.4	70.4	1.5	27.7	16.9	77.3	3.2	10.9
5/20/2007 12:00	16.3	72.2	1.7	26.9	14.2	74.9	4.4	29.3
5/20/2007 13:00	14.8	69.6	1.7	16.1	13.3	72.3	3.7	9.1
5/20/2007 14:00	14.1	68.0	1.9	4.0	12.8	70.2	4.0	0.5
5/20/2007 15:00	14.4	66.0	1.7	4.0	12.6	69.1	3.8	352.3
5/20/2007 16:00	14.3	64.6	1.7	7.7	12.9	65.1	3.9	358.1
5/20/2007 17:00	14.6	66.0	1.8	19.2	13.1	66.2	3.5	351.3
5/20/2007 18:00	13.9	65.6	1.9	30.4	11.8	76.9	4.2	21.7
5/20/2007 19:00	13.4	66.2	2.0	53.0	10.6	73.6	4.0	34.1
5/20/2007 20:00	12.5	64.5	1.3	31.1	11.4	65.2	3.0	17.4
5/20/2007 21:00	11.2	70.2	1.2	5.6	10.6	68.8	3.2	359.1
5/20/2007 22:00	9.8	72.4	1.1	354.0	9.6	70.8	2.7	2.4
5/20/2007 23:00	9.0	77.3	1.0	35.0	8.3	81.2	2.5	22.6
5/21/2007 0:00	8.2	78.9	0.5	30.2	7.7	73.4	1.8	16.5
5/21/2007 1:00	7.6	77.0	0.6	32.0	7.3	74.8	2.0	8.2
5/21/2007 2:00	6.9	81.4	0.2	37.1	6.3	80.6	1.3	31.2
5/21/2007 3:00	6.3	83.8	0.2	37.0	6.1	82.1	1.3	21.1

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/21/2007 4:00	5.6	86.6	0.1	288.6	5.0	88.6	0.7	287.3
5/21/2007 5:00	4.9	88.9	0.1	105.8	3.7	92.0	0.3	223.7
5/21/2007 6:00	4.6	89.9	0.2	347.8	4.0	91.5	0.9	322.1
5/21/2007 7:00	5.2	90.6	0.0	350.9	5.0	87.0	0.8	5.0
5/21/2007 8:00	6.9	88.8	0.3	59.2	6.4	83.0	1.3	46.1
5/21/2007 9:00	9.2	76.1	1.3	75.1	8.9	67.8	2.1	69.2
5/21/2007 10:00	11.2	68.0	0.9	85.2	10.7	68.7	1.5	107.1
5/21/2007 11:00	12.3	68.6	0.8	140.3	11.7	68.3	1.7	142.5
5/21/2007 12:00	13.9	65.4	0.9	136.0	13.5	65.6	1.6	107.7
5/21/2007 13:00	15.7	64.2	1.2	125.5	14.8	60.1	1.9	113.0
5/21/2007 14:00	17.2	56.9	1.4	109.7	16.2	55.6	1.9	103.0
5/21/2007 15:00	18.6	48.2	1.4	111.0	17.3	52.9	1.9	94.4
5/21/2007 16:00	20.4	44.9	1.2	99.5	18.1	49.1	1.8	87.2
5/21/2007 17:00	21.4	38.9	1.6	92.4	18.3	43.8	2.5	76.2
5/21/2007 18:00	21.7	43.8	1.4	103.9	18.8	44.0	2.0	89.7
5/21/2007 19:00	20.8	42.5	0.9	106.1	18.7	41.4	1.1	113.6
5/21/2007 20:00	18.4	48.5	1.1	97.7	18.0	46.5	1.9	79.1
5/21/2007 21:00	16.0	59.1	1.5	93.8	15.7	58.4	2.8	81.2
5/21/2007 22:00	13.7	63.3	1.4	89.5	13.4	63.7	2.0	85.4
5/21/2007 23:00	12.1	69.1	0.8	103.4	11.8	69.4	1.5	88.7
5/22/2007 0:00	11.2	67.9	1.2	86.3	11.1	65.7	1.8	70.6
5/22/2007 1:00	10.8	71.2	0.5	96.9	10.7	71.3	1.0	87.4
5/22/2007 2:00	10.2	75.9	0.1	51.0	9.7	76.4	0.2	64.1
5/22/2007 3:00	9.5	79.9	0.0	75.9	9.3	80.5	0.2	60.1
5/22/2007 4:00	9.3	82.8	0.2	346.1	9.9	73.1	0.7	23.0
5/22/2007 5:00	9.2	83.9	0.2	352.3	9.9	74.9	0.9	24.3
5/22/2007 6:00	9.8	84.4	0.1	359.1	10.2	77.0	1.0	32.0
5/22/2007 7:00	9.8	85.5	0.3	50.8	10.4	76.5	1.1	36.7
5/22/2007 8:00	12.1	79.2	0.6	71.3	12.7	70.1	1.2	54.6
5/22/2007 9:00	14.8	71.4	0.8	94.5	15.8	62.0	0.9	85.8
5/22/2007 10:00	18.0	67.2	0.8	109.4	19.2	59.0	1.1	100.6
5/22/2007 11:00	20.9	58.3	0.7	133.3	21.0	56.7	1.7	137.8
5/22/2007 12:00	23.2	56.9	1.3	175.7	23.0	54.9	2.6	148.2
5/22/2007 13:00	24.6	56.9	1.1	173.3	24.3	54.2	2.8	162.8
5/22/2007 14:00	26.0	48.8	0.9	162.5	25.0	50.6	2.8	154.3
5/22/2007 15:00	27.7	45.9	1.0	153.8	26.4	45.5	2.5	157.2
5/22/2007 16:00	29.0	42.3	1.1	158.2	27.7	41.5	2.3	148.6
5/22/2007 17:00	30.4	42.6	1.0	138.8	28.2	44.2	2.0	136.1
5/22/2007 18:00	30.4	42.4	1.2	115.3	27.8	47.1	2.1	114.0
5/22/2007 19:00	27.9	48.4	1.8	115.0	25.8	49.1	2.8	91.4
5/22/2007 20:00	23.9	51.3	1.6	109.8	23.0	51.9	3.2	83.6
5/22/2007 21:00	21.1	57.4	1.4	108.5	20.4	57.5	3.3	85.7
5/22/2007 22:00	18.3	65.2	1.1	107.0	18.0	64.2	2.3	82.2

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/22/2007 23:00	17.1	70.6	0.8	101.2	17.5	66.1	1.3	87.1
5/23/2007 0:00	16.7	70.8	0.9	102.5	17.6	66.9	1.1	97.7
5/23/2007 1:00	16.6	74.6	0.6	87.0	17.2	69.7	1.0	90.0
5/23/2007 2:00	15.4	78.7	0.2	52.2	16.6	74.4	0.7	71.0
5/23/2007 3:00	14.6	84.0	0.2	359.8	15.5	77.3	0.4	19.6
5/23/2007 4:00	14.1	86.4	0.3	343.8	15.4	79.3	0.7	24.2
5/23/2007 5:00	13.8	88.4	0.3	10.1	14.8	83.0	0.8	29.8
5/23/2007 6:00	13.4	89.8	0.1	30.7	14.1	86.2	0.5	28.5
5/23/2007 7:00	13.1	91.1	0.2	359.4	14.0	83.8	0.7	46.9
5/23/2007 8:00	14.6	90.8	0.1	4.7	16.9	70.4	0.7	74.1
5/23/2007 9:00	18.7	69.1	0.4	167.0	19.7	61.3	1.8	148.2
5/23/2007 10:00	22.2	56.8	1.5	184.4	22.8	54.2	2.9	166.1
5/23/2007 11:00	24.3	54.5	1.3	185.1	25.3	49.0	2.5	184.6
5/23/2007 12:00	26.3	49.2	1.3	180.1	27.4	39.4	3.1	193.7
5/23/2007 13:00	28.0	36.0	2.2	191.3	28.9	36.8	3.5	183.5
5/23/2007 14:00	29.2	33.5	2.5	191.3	30.0	30.1	4.3	183.4
5/23/2007 15:00	30.3	34.5	1.9	179.4	31.2	33.4	3.7	195.8
5/23/2007 16:00	31.0	30.0	1.8	187.8	31.0	32.7	3.3	176.4
5/23/2007 17:00	31.6	28.4	1.7	182.2	31.6	29.0	3.1	185.8
5/23/2007 18:00	31.6	27.3	1.8	185.0	31.0	27.6	3.3	169.2
5/23/2007 19:00	32.1	35.5	0.7	140.4	30.0	33.8	2.6	135.2
5/23/2007 20:00	28.7	36.3	0.4	128.9	28.5	37.3	1.6	125.8
5/23/2007 21:00	26.3	43.0	0.4	131.5	26.1	42.3	1.0	122.9
5/23/2007 22:00	23.5	47.0	0.3	134.8	23.1	47.2	0.6	112.6
5/23/2007 23:00	21.6	53.2	0.4	136.7	21.6	51.8	0.7	124.6
5/24/2007 0:00	20.6	54.2	0.2	144.9	20.7	51.1	1.2	138.0
5/24/2007 1:00	19.7	63.9	0.2	137.0	20.1	61.6	0.8	133.7
5/24/2007 2:00	18.1	69.0	0.1	223.3	18.7	70.6	0.5	135.3
5/24/2007 3:00	17.4	74.2	0.1	174.9	17.3	74.8	0.5	152.5
5/24/2007 4:00	16.9	78.2	0.0	152.8	16.9	81.5	0.4	122.0
5/24/2007 5:00	16.4	82.4	0.0	183.0	16.2	83.2	0.3	119.8
5/24/2007 6:00	16.0	84.2	0.0	179.9	16.0	80.5	0.1	123.0
5/24/2007 7:00	15.8	84.9	0.0	160.8	16.1	75.4	0.4	113.3
5/24/2007 8:00	17.7	75.4	0.1	161.2	18.8	67.4	1.1	135.3
5/24/2007 9:00	21.1	63.5	0.8	175.7	21.7	56.9	2.0	161.9
5/24/2007 10:00	23.8	53.3	1.4	189.1	24.6	46.4	2.7	173.7
5/24/2007 11:00	25.8	50.8	1.3	187.2	26.6	42.7	2.9	178.8
5/24/2007 12:00	27.7	41.7	1.3	183.0	28.7	40.2	2.5	180.9
5/24/2007 13:00	28.8	38.2	1.8	187.1	28.9	39.8	3.2	157.0
5/24/2007 14:00	29.3	37.6	2.4	188.5	29.6	36.1	3.8	159.9
5/24/2007 15:00	29.8	40.2	2.3	186.5	30.1	37.9	4.4	161.7
5/24/2007 16:00	30.1	35.1	1.7	181.5	29.8	37.2	4.2	167.5
5/24/2007 17:00	30.8	36.3	1.8	173.3	30.2	36.6	4.2	163.9

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/24/2007 18:00	30.8	38.6	1.7	166.2	30.2	38.6	4.7	159.3
5/24/2007 19:00	31.0	45.4	0.7	135.0	28.9	41.4	3.3	134.2
5/24/2007 20:00	28.0	48.5	0.6	129.1	27.7	44.9	2.0	125.0
5/24/2007 21:00	25.8	54.3	0.4	131.2	25.5	51.5	1.9	127.4
5/24/2007 22:00	23.0	60.6	0.3	133.0	23.0	60.3	1.4	134.1
5/24/2007 23:00	21.3	68.9	0.1	139.2	21.4	64.9	0.9	146.0
5/25/2007 0:00	20.1	74.1	0.0	162.7	21.4	67.3	1.1	139.1
5/25/2007 1:00	19.8	72.9	0.0	178.6	21.4	59.5	1.3	154.8
5/25/2007 2:00	19.9	72.5	0.2	166.3	21.6	65.9	2.1	168.9
5/25/2007 3:00	19.8	74.5	0.4	170.3	20.8	72.3	1.8	171.8
5/25/2007 4:00	19.9	75.0	0.6	173.6	20.2	73.1	1.2	176.2
5/25/2007 5:00	20.0	74.9	0.7	171.8	20.3	73.2	1.7	169.9
5/25/2007 6:00	19.8	74.7	0.6	178.4	19.9	75.3	1.6	180.2
5/25/2007 7:00	20.0	75.0	0.8	178.3	19.5	75.5	1.1	188.0
5/25/2007 8:00	20.8	72.4	0.9	185.7	21.0	68.7	1.5	191.6
5/25/2007 9:00	22.1	68.7	1.5	219.5	23.2	64.0	2.4	211.0
5/25/2007 10:00	23.3	66.3	2.3	219.2	24.9	60.0	3.0	217.6
5/25/2007 11:00	24.4	62.2	2.6	237.6	25.9	57.1	3.9	226.4
5/25/2007 12:00	25.0	60.9	2.2	239.4	26.6	55.6	3.7	225.1
5/25/2007 13:00	25.2	66.7	1.8	255.8	26.1	59.7	3.5	251.4
5/25/2007 14:00	24.2	71.6	1.3	272.0	25.0	69.2	3.4	248.0
5/25/2007 15:00	22.8	75.9	1.5	284.6	23.0	77.8	3.6	264.7
5/25/2007 16:00	22.2	73.9	1.1	303.6	22.4	72.5	2.9	272.1
5/25/2007 17:00	22.1	71.8	1.3	255.3	22.2	70.3	2.7	253.0
5/25/2007 18:00	22.6	69.5	1.7	255.9	23.2	66.3	3.3	247.6
5/25/2007 19:00	22.4	69.5	1.2	251.9	22.5	69.8	2.4	248.9
5/25/2007 20:00	21.8	72.3	1.1	227.1	22.0	72.6	1.7	219.2
5/25/2007 21:00	21.4	72.0	0.6	245.4	21.3	74.6	1.3	224.0
5/25/2007 22:00	20.6	74.5	0.2	255.8	20.2	82.1	0.5	206.8
5/25/2007 23:00	19.7	78.7	0.1	141.7	19.4	85.0	0.6	188.7
5/26/2007 0:00	18.6	84.5	0.0	111.1	18.4	89.4	0.3	206.6
5/26/2007 1:00	18.0	87.0	0.0	157.1	17.7	90.9	0.3	212.3
5/26/2007 2:00	17.8	87.3	0.0	330.4	17.5	87.1	0.5	241.8
5/26/2007 3:00	17.7	87.1	0.0	353.0	17.6	87.4	0.4	276.8
5/26/2007 4:00	17.4	87.8	0.2	57.0	17.6	83.1	0.5	358.9
5/26/2007 5:00	17.6	87.7	0.3	43.2	17.7	86.4	1.6	16.6
5/26/2007 6:00	17.0	85.9	1.1	41.0	16.3	82.6	2.7	18.8
5/26/2007 7:00	16.3	82.6	0.9	35.0	15.8	82.5	2.5	19.4
5/26/2007 8:00	15.5	88.7	0.7	348.3	15.2	90.0	2.1	347.5
5/26/2007 9:00	14.7	91.4	1.1	42.6	14.0	93.0	2.8	19.3
5/26/2007 10:00	14.7	92.4	1.1	43.4	14.1	93.8	3.2	27.4
5/26/2007 11:00	15.6	91.7	1.7	69.7	15.2	87.6	3.8	52.3
5/26/2007 12:00	15.7	92.3	1.8	48.7	15.3	91.6	3.9	43.2



## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/26/2007 13:00	15.1	92.7	1.7	72.7	14.3	92.7	3.9	52.9
5/26/2007 14:00	15.4	91.1	1.6	98.6	14.6	84.7	3.3	74.1
5/26/2007 15:00	15.7	84.8	1.6	74.5	14.9	80.2	2.7	57.0
5/26/2007 16:00	16.8	77.0	2.0	79.6	15.5	81.2	3.3	59.5
5/26/2007 17:00	17.6	79.0	1.3	91.9	16.3	81.3	2.3	78.2
5/26/2007 18:00	17.2	82.4	1.1	93.5	16.3	84.2	1.9	85.4
5/26/2007 19:00	16.5	84.5	1.0	98.7	15.9	86.5	1.4	91.7
5/26/2007 20:00	16.0	88.4	0.6	92.4	15.1	90.4	1.5	74.3
5/26/2007 21:00	15.1	91.2	0.8	84.4	14.5	93.4	1.4	60.5
5/26/2007 22:00	14.7	92.7	0.5	95.1	14.1	94.1	1.0	76.4
5/26/2007 23:00	14.6	93.5	0.2	111.0	14.2	94.7	0.4	125.3
5/27/2007 0:00	14.6	94.4	0.2	167.1	14.2	95.7	1.1	150.7
5/27/2007 1:00	14.8	95.3	0.4	170.4	14.4	96.4	1.6	155.9
5/27/2007 2:00	15.1	95.7	0.3	173.1	14.7	96.8	1.4	151.5
5/27/2007 3:00	15.2	96.3	0.7	183.4	14.8	97.1	1.6	161.7
5/27/2007 4:00	15.4	96.7	0.5	170.4	15.2	97.3	1.2	165.5
5/27/2007 5:00	16.0	96.8	0.1	178.2	16.0	97.8	1.3	164.4
5/27/2007 6:00	16.7	97.0	0.2	160.8	16.7	98.1	1.4	168.2
5/27/2007 7:00	17.2	97.2	0.6	181.4	17.2	97.9	1.6	162.6
5/27/2007 8:00	17.8	95.0	1.7	188.9	17.8	94.7	2.4	183.7
5/27/2007 9:00	18.3	90.4	2.0	190.1	18.6	83.3	2.8	186.6
5/27/2007 10:00	19.5	82.0	2.4	202.1	20.3	78.7	3.6	197.1
5/27/2007 11:00	20.6	77.6	2.5	219.1	21.2	74.2	3.5	206.3
5/27/2007 12:00	21.2	77.0	2.3	214.9	21.8	73.9	3.5	200.6
5/27/2007 13:00	21.2	86.3	2.8	210.5	21.9	81.8	4.3	206.0
5/27/2007 14:00	20.9	77.3	2.9	221.8	21.8	71.0	4.8	217.4
5/27/2007 15:00	22.2	70.8	3.3	231.7	23.5	66.5	5.3	215.1
5/27/2007 16:00	22.7	71.2	3.3	225.1	23.6	68.0	5.1	211.8
5/27/2007 17:00	22.7	72.5	2.6	228.1	23.4	71.8	4.2	212.4
5/27/2007 18:00	23.2	67.9	2.8	233.7	24.1	61.6	4.5	217.4
5/27/2007 19:00	23.5	67.7	2.8	229.9	24.8	67.2	4.0	216.2
5/27/2007 20:00	22.7	72.9	2.4	221.3	23.0	72.5	3.3	209.6
5/27/2007 21:00	22.3	64.6	1.7	238.7	22.5	66.0	2.6	224.9
5/27/2007 22:00	21.0	67.8	0.8	248.2	20.7	68.2	2.1	239.4
5/27/2007 23:00	19.6	49.9	0.8	284.1	19.1	55.8	1.7	263.8
5/28/2007 0:00	18.0	63.5	0.4	294.8	17.9	52.6	1.5	277.6
5/28/2007 1:00	14.3	71.5	0.0	320.6	15.5	63.5	0.9	277.9
5/28/2007 2:00	12.7	75.3	0.1	189.9	12.5	76.3	0.3	272.3
5/28/2007 3:00	11.6	80.9	0.0	185.2	11.2	82.5	0.2	302.2
5/28/2007 4:00	11.1	85.8	0.0	186.6	10.1	86.5	0.1	275.9
5/28/2007 5:00	10.6	88.3	0.0	193.9	9.4	89.6	0.0	277.3
5/28/2007 6:00	10.2	90.1	0.0	187.5	9.2	91.8	0.0	314.7
5/28/2007 7:00	10.4	91.1	0.1	185.3	9.7	91.0	0.0	353.0

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/28/2007 8:00	12.7	87.1	0.1	242.5	14.9	64.8	0.5	241.8
5/28/2007 9:00	16.1	63.5	0.4	304.7	17.6	55.5	0.9	283.3
5/28/2007 10:00	18.9	52.0	0.7	11.1	19.4	42.1	0.8	347.1
5/28/2007 11:00	21.1	44.4	0.7	6.8	21.2	39.3	0.9	21.5
5/28/2007 12:00	22.8	40.6	1.0	16.4	22.0	43.7	1.1	296.9
5/28/2007 13:00	22.9	38.5	1.0	271.6	23.3	33.9	1.4	231.8
5/28/2007 14:00	23.8	38.4	1.4	242.8	24.4	37.2	1.6	248.1
5/28/2007 15:00	24.7	31.5	1.3	240.5	25.3	32.8	1.9	234.6
5/28/2007 16:00	25.4	31.0	1.5	232.7	26.1	26.1	2.3	222.6
5/28/2007 17:00	26.3	32.9	1.6	241.1	26.5	32.8	2.1	214.0
5/28/2007 18:00	26.3	33.0	1.3	208.0	25.8	35.7	2.2	189.5
5/28/2007 19:00	27.1	37.3	0.8	185.2	25.8	36.6	1.3	193.4
5/28/2007 20:00	24.9	49.1	0.9	67.5	25.0	46.2	1.2	31.7
5/28/2007 21:00	22.6	54.2	0.8	71.9	22.3	50.9	1.5	37.2
5/28/2007 22:00	19.0	65.5	0.4	53.6	20.1	53.1	1.1	43.6
5/28/2007 23:00	17.8	69.0	0.8	60.5	18.8	60.3	1.4	43.4
5/29/2007 0:00	16.6	75.0	0.3	58.1	17.4	74.9	1.1	53.7
5/29/2007 1:00	15.6	80.5	0.1	175.2	15.3	77.7	0.3	6.5
5/29/2007 2:00	14.6	86.4	0.1	71.4	14.3	86.1	0.3	56.4
5/29/2007 3:00	14.1	89.3	0.2	78.6	13.9	90.2	0.3	56.2
5/29/2007 4:00	13.5	90.0	0.1	23.9	13.6	76.5	0.6	53.9
5/29/2007 5:00	13.2	89.4	0.2	10.8	13.7	78.9	0.7	44.0
5/29/2007 6:00	13.2	88.9	0.3	59.9	14.0	78.4	0.8	52.6
5/29/2007 7:00	13.7	88.1	0.5	59.8	14.7	75.1	1.0	53.5
5/29/2007 8:00	15.9	72.3	0.9	92.2	17.1	60.9	1.5	79.5
5/29/2007 9:00	18.9	62.7	0.5	127.8	20.2	54.8	0.9	112.9
5/29/2007 10:00	21.3	50.5	0.5	120.8	21.5	46.4	1.5	127.0
5/29/2007 11:00	23.0	41.9	0.6	120.5	22.6	38.6	1.3	117.5
5/29/2007 12:00	24.9	38.7	0.7	131.6	25.2	38.7	1.4	110.4
5/29/2007 13:00	26.6	37.3	0.9	120.4	25.7	36.3	2.6	144.1
5/29/2007 14:00	27.4	40.3	0.8	143.7	26.9	37.8	2.1	134.5
5/29/2007 15:00	28.4	45.8	1.0	147.1	27.2	45.9	2.5	148.8
5/29/2007 16:00	29.2	46.1	1.1	150.6	27.6	45.3	2.5	157.9
5/29/2007 17:00	30.0	41.1	1.0	133.4	27.6	45.1	2.5	146.3
5/29/2007 18:00	30.4	44.2	1.0	120.0	27.4	44.7	2.2	143.0
5/29/2007 19:00	30.2	42.9	0.6	119.1	27.5	48.0	1.5	134.9
5/29/2007 20:00	27.4	48.2	0.7	117.8	26.6	45.4	1.2	113.1
5/29/2007 21:00	23.8	51.1	1.0	115.1	23.4	50.4	1.2	97.4
5/29/2007 22:00	21.0	56.2	0.6	99.6	20.9	53.1	0.9	90.7
5/29/2007 23:00	19.5	65.0	0.6	93.7	19.5	59.3	1.1	89.5
5/30/2007 0:00	18.1	64.3	0.3	89.8	18.2	62.0	0.7	90.5
5/30/2007 1:00	17.1	68.5	0.1	12.4	17.4	69.2	0.3	59.8
5/30/2007 2:00	16.4	72.4	0.0	330.4	17.0	63.5	0.5	26.8

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/30/2007 3:00	16.0	73.3	0.0	52.7	16.5	69.4	0.4	20.0
5/30/2007 4:00	15.9	74.8	0.2	21.7	16.8	65.5	0.8	32.0
5/30/2007 5:00	16.0	77.1	0.1	348.1	16.8	74.4	0.5	53.5
5/30/2007 6:00	15.8	80.6	0.0	356.8	15.9	81.1	0.3	66.1
5/30/2007 7:00	15.8	83.6	0.0	347.1	15.7	82.8	0.0	353.9
5/30/2007 8:00	17.4	81.6	0.0	124.8	18.3	74.5	0.6	127.3
5/30/2007 9:00	20.9	71.2	0.5	179.1	21.4	67.6	1.2	164.0
5/30/2007 10:00	23.8	63.3	1.4	190.8	25.0	57.3	2.2	180.0
5/30/2007 11:00	26.1	57.8	1.3	187.2	27.5	52.3	2.6	199.4
5/30/2007 12:00	27.8	57.5	1.0	193.5	28.9	50.4	1.9	194.2
5/30/2007 13:00	29.2	51.9	1.1	190.3	30.1	47.9	1.9	198.2
5/30/2007 14:00	30.1	47.9	1.3	206.4	31.0	46.5	2.0	193.2
5/30/2007 15:00	31.1	49.2	1.3	206.9	32.1	41.6	2.2	212.5
5/30/2007 16:00	31.7	37.3	1.4	195.1	31.7	39.9	2.2	172.9
5/30/2007 17:00	31.3	46.1	1.5	208.7	31.3	40.0	2.5	171.0
5/30/2007 18:00	30.8	55.9	1.2	169.9	29.9	54.3	4.3	153.0
5/30/2007 19:00	28.6	60.2	0.4	135.7	27.6	53.5	3.0	146.1
5/30/2007 20:00	26.7	58.8	1.0	171.9	26.8	56.0	2.4	162.8
5/30/2007 21:00	24.5	68.1	0.5	100.8	24.4	64.6	1.4	117.0
5/30/2007 22:00	22.8	72.7	0.5	76.3	23.9	62.6	0.8	75.6
5/30/2007 23:00	23.0	69.8	0.2	295.1	23.4	69.6	0.2	155.0
5/31/2007 0:00	22.0	74.2	0.0	241.5	21.9	78.0	0.3	243.4
5/31/2007 1:00	21.4	77.9	0.1	128.9	21.7	76.1	0.5	142.4
5/31/2007 2:00	20.8	81.5	0.1	164.5	21.0	82.0	0.5	157.6
5/31/2007 3:00	19.8	85.3	0.2	151.1	20.1	79.8	0.5	139.9
5/31/2007 4:00	19.2	87.8	0.1	353.9	20.5	82.0	0.7	275.7
5/31/2007 5:00	19.5	87.0	0.3	310.3	19.8	85.5	0.5	293.9
5/31/2007 6:00	20.9	75.5	0.3	300.7	20.8	74.2	1.3	263.9
5/31/2007 7:00	22.0	70.1	0.6	231.9	21.6	74.6	1.0	226.8
5/31/2007 8:00	21.9	74.9	0.7	189.4	21.1	77.3	0.7	152.2
5/31/2007 9:00	23.0	66.6	0.4	220.9	24.0	59.4	0.9	200.4
5/31/2007 10:00	25.4	56.9	0.7	249.1	27.5	52.3	1.4	240.2
5/31/2007 11:00	27.8	44.9	0.9	225.8	29.1	46.2	1.2	214.9
5/31/2007 12:00	29.0	44.9	1.5	225.1	30.7	42.4	1.9	213.0
5/31/2007 13:00	29.8	37.1	1.4	196.3	31.6	38.9	2.0	205.9
5/31/2007 14:00	30.2	37.3	1.5	198.7	30.7	34.5	2.6	184.4
5/31/2007 15:00	30.8	31.9	1.7	220.4	32.3	31.8	2.8	219.9
5/31/2007 16:00	30.8	37.3	1.8	207.8	31.4	36.2	2.9	186.3
5/31/2007 17:00	30.2	44.3	1.6	192.3	30.1	38.4	3.1	165.7
5/31/2007 18:00	29.4	41.9	1.2	184.7	29.4	36.2	2.6	164.1
5/31/2007 19:00	30.3	46.7	0.4	140.7	29.5	35.3	2.4	158.6
5/31/2007 20:00	29.5	43.8	0.3	116.8	29.0	39.1	1.8	138.7
5/31/2007 21:00	26.6	54.6	0.1	127.6	27.3	49.3	0.7	127.6

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
5/31/2007 22:00	24.2	52.9	0.1	140.5	25.2	49.0	0.6	127.7
5/31/2007 23:00	23.4	63.7	0.1	151.2	23.3	58.2	1.0	136.1
6/1/2007 0:00	22.1	61.4	0.1	143.2	23.0	57.5	1.0	138.2
6/1/2007 1:00	22.0	67.7	0.3	185.7	22.3	59.2	0.8	186.6
6/1/2007 2:00	21.7	70.0	0.2	175.0	22.4	69.6	1.0	151.3
6/1/2007 3:00	21.6	71.5	0.2	188.2	21.8	72.2	0.9	162.5
6/1/2007 4:00	22.2	70.0	0.6	207.0	21.5	76.2	0.6	208.2
6/1/2007 5:00	21.5	76.0	0.2	157.5	21.0	76.9	0.3	205.1
6/1/2007 6:00	20.8	79.8	0.3	126.1	20.7	81.9	0.3	117.5
6/1/2007 7:00	20.3	82.1	0.1	152.9	20.3	80.1	0.2	143.4
6/1/2007 8:00	21.0	80.7	0.2	143.4	21.1	75.6	0.5	146.8
6/1/2007 9:00	23.1	69.7	0.1	145.0	22.9	67.9	0.9	144.8
6/1/2007 10:00	25.1	66.1	0.1	109.5	25.1	62.0	0.4	131.1
6/1/2007 11:00	26.1	60.1	0.1	97.8	25.5	53.3	1.0	149.9
6/1/2007 12:00	27.2	59.5	0.3	105.2	27.2	49.1	0.9	168.9
6/1/2007 13:00	27.6	55.9	0.5	236.2	28.0	48.7	1.1	167.1
6/1/2007 14:00	28.4	44.2	0.5	125.4	28.2	40.8	1.7	159.0
6/1/2007 15:00	29.2	43.4	1.4	194.1	29.4	37.8	2.5	174.9
6/1/2007 16:00	29.3	41.7	1.7	194.1	30.9	37.6	2.9	205.5
6/1/2007 17:00	30.0	39.0	1.5	192.4	30.2	39.1	3.4	190.5
6/1/2007 18:00	30.8	41.8	1.1	185.7	30.1	41.4	2.6	181.2
6/1/2007 19:00	30.9	48.8	0.7	154.9	29.0	47.1	2.3	144.9
6/1/2007 20:00	28.0	62.6	0.4	126.6	27.2	55.2	2.3	136.0
6/1/2007 21:00	25.6	62.0	0.5	149.9	25.7	63.0	1.7	147.0
6/1/2007 22:00	24.8	71.6	0.7	151.6	24.0	84.6	0.9	155.2
6/1/2007 23:00	23.3	77.3	0.2	85.7	22.4	87.9	0.3	76.9
6/2/2007 0:00	21.7	85.4	0.1	94.4	21.4	86.4	0.2	96.6
6/2/2007 1:00	20.7	87.1	0.1	123.6	20.7	89.2	0.5	137.3
6/2/2007 2:00	19.7	89.4	0.0	165.1	19.5	92.3	0.2	123.4
6/2/2007 3:00	19.3	91.0	0.0	171.3	19.0	92.9	0.1	100.8
6/2/2007 4:00	18.8	92.3	0.1	151.0	18.4	94.5	0.3	130.8
6/2/2007 5:00	18.4	93.0	0.1	163.0	17.8	95.2	0.2	220.4
6/2/2007 6:00	18.1	93.8	0.1	149.3	17.6	95.8	0.3	124.0
6/2/2007 7:00	18.3	94.4	0.1	185.5	17.9	96.2	0.4	171.7
6/2/2007 8:00	19.9	93.7	0.2	153.6	20.1	89.7	1.3	141.6
6/2/2007 9:00	22.2	80.5	1.0	190.1	23.0	74.9	1.9	176.2
6/2/2007 10:00	24.2	69.7	1.2	220.9	25.3	66.7	2.0	194.8
6/2/2007 11:00	26.2	65.7	0.8	195.2	27.0	60.2	1.5	181.3
6/2/2007 12:00	28.0	56.4	1.3	195.3	28.6	52.0	2.1	180.3
6/2/2007 13:00	29.3	49.6	1.5	196.5	30.6	43.7	2.7	203.6
6/2/2007 14:00	30.2	51.9	1.4	182.9	30.8	49.6	2.9	178.3
6/2/2007 15:00	30.6	48.2	1.5	195.0	30.6	45.8	2.3	156.4
6/2/2007 16:00	32.3	45.2	1.0	145.4	31.0	48.1	1.6	149.5

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/2/2007 17:00	31.9	54.7	1.3	173.1	30.6	49.6	2.4	167.7
6/2/2007 18:00	24.4	77.7	2.4	267.6	24.6	85.5	4.7	248.2
6/2/2007 19:00	20.8	88.1	0.6	267.5	20.5	89.0	1.3	253.3
6/2/2007 20:00	21.4	91.6	0.4	111.4	21.6	89.6	0.3	83.7
6/2/2007 21:00	21.6	92.0	0.3	173.9	22.2	83.0	1.9	152.9
6/2/2007 22:00	20.8	93.2	0.3	9.5	21.8	89.6	0.7	105.5
6/2/2007 23:00	20.2	94.1	0.6	29.2	20.7	91.0	1.4	339.6
6/3/2007 0:00	19.9	94.7	0.3	65.0	20.2	93.4	0.7	0.3
6/3/2007 1:00	19.9	95.3	0.1	30.1	20.0	94.6	0.3	184.6
6/3/2007 2:00	20.0	95.5	0.2	233.4	19.7	95.4	0.7	232.1
6/3/2007 3:00	19.9	95.7	0.5	86.8	19.8	95.3	0.6	106.2
6/3/2007 4:00	19.7	95.8	0.4	112.9	19.9	95.0	0.1	113.2
6/3/2007 5:00	19.8	95.9	0.1	162.8	19.9	94.5	0.8	141.2
6/3/2007 6:00	19.6	96.2	0.1	201.6	19.9	95.1	0.5	146.0
6/3/2007 7:00	19.8	96.2	0.0	206.2	20.2	94.9	0.4	144.2
6/3/2007 8:00	20.7	96.1	0.2	170.6	21.0	92.8	0.4	148.6
6/3/2007 9:00	21.3	95.8	0.5	43.6	21.2	93.5	0.9	31.1
6/3/2007 10:00	22.0	94.9	0.8	64.7	21.7	87.8	1.7	39.8
6/3/2007 11:00	23.0	89.1	1.0	63.2	22.4	81.3	2.4	42.0
6/3/2007 12:00	23.3	79.5	1.5	71.2	22.3	79.9	3.1	62.2
6/3/2007 13:00	22.7	87.1	1.4	107.7	21.6	92.0	2.8	98.1
6/3/2007 14:00	19.0	92.7	1.1	151.1	18.4	90.0	5.0	147.9
6/3/2007 15:00	18.7	93.6	0.2	144.8	18.2	91.1	2.3	147.5
6/3/2007 16:00	20.3	92.4	0.5	106.9	19.8	87.3	1.2	107.9
6/3/2007 17:00	21.7	89.2	0.7	66.6	20.9	86.6	1.7	51.0
6/3/2007 18:00	21.6	86.9	0.7	46.4	21.0	86.9	1.9	24.1
6/3/2007 19:00	20.4	87.5	0.6	354.9	20.0	85.6	1.7	334.5
6/3/2007 20:00	20.3	88.2	0.5	44.5	20.3	81.2	1.5	9.0
6/3/2007 21:00	19.7	91.4	0.4	94.6	19.3	94.2	1.0	83.6
6/3/2007 22:00	19.0	93.9	0.6	114.0	18.6	95.7	0.7	149.1
6/3/2007 23:00	18.8	95.0	0.2	135.5	18.5	96.4	0.9	123.1
6/4/2007 0:00	18.6	95.4	0.3	129.9	18.4	92.6	1.7	127.6
6/4/2007 1:00	18.0	95.3	0.1	106.6	18.6	84.8	2.3	138.1
6/4/2007 2:00	18.1	94.9	0.2	130.2	18.7	90.1	1.2	139.7
6/4/2007 3:00	18.2	95.2	0.1	55.9	18.5	93.1	0.2	66.3
6/4/2007 4:00	18.4	95.5	0.1	84.7	18.7	93.6	0.1	95.8
6/4/2007 5:00	18.7	95.5	0.1	122.5	18.8	92.3	0.2	121.6
6/4/2007 6:00	18.8	95.6	0.0	101.2	18.8	92.3	0.4	134.6
6/4/2007 7:00	18.9	95.8	0.4	148.0	18.8	93.7	0.7	142.4
6/4/2007 8:00	19.1	95.2	0.9	212.4	19.3	92.3	1.5	210.4
6/4/2007 9:00	19.5	92.9	1.2	217.2	19.9	88.5	1.6	214.0
6/4/2007 10:00	20.4	81.7	1.6	220.6	22.0	72.5	2.1	219.5
6/4/2007 11:00	22.1	73.9	1.8	223.7	23.5	71.1	2.7	203.5

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/4/2007 12:00	22.8	67.6	2.5	208.7	23.8	64.0	3.6	194.8
6/4/2007 13:00	24.0	55.3	2.8	210.9	25.1	59.0	4.2	193.6
6/4/2007 14:00	24.6	62.4	2.5	211.7	25.6	54.7	4.4	197.7
6/4/2007 15:00	23.3	62.6	1.9	250.4	24.5	56.7	3.6	232.4
6/4/2007 16:00	24.4	60.8	2.0	232.4	25.6	55.3	3.7	212.9
6/4/2007 17:00	19.5	89.0	1.4	187.1	18.4	88.7	2.9	183.1
6/4/2007 18:00	20.2	79.6	1.1	221.5	20.0	76.4	1.8	208.6
6/4/2007 19:00	22.3	68.0	1.6	198.5	22.5	64.3	2.7	198.7
6/4/2007 20:00	21.4	72.1	1.2	217.4	21.3	72.2	2.1	210.9
6/4/2007 21:00	20.1	78.9	1.6	199.6	19.8	79.5	2.5	198.8
6/4/2007 22:00	19.0	82.4	1.4	210.5	18.7	83.4	2.1	207.5
6/4/2007 23:00	18.9	82.7	1.4	219.6	18.4	85.4	1.9	211.8
6/5/2007 0:00	18.7	89.4	1.0	239.6	18.3	91.2	1.8	227.6
6/5/2007 1:00	17.5	90.8	1.3	271.2	17.4	89.6	3.2	257.4
6/5/2007 2:00	17.2	92.1	1.4	272.3	17.0	91.6	3.6	256.0
6/5/2007 3:00	16.5	92.0	1.6	304.2	16.3	92.4	3.5	277.4
6/5/2007 4:00	14.3	90.2	1.8	330.3	14.0	89.0	3.8	309.0
6/5/2007 5:00	14.0	88.4	1.2	323.7	13.6	88.1	2.7	305.4
6/5/2007 6:00	13.7	84.1	1.5	324.4	13.3	84.9	3.1	303.8
6/5/2007 7:00	13.1	82.6	1.6	324.1	12.7	83.5	3.4	305.6
6/5/2007 8:00	12.8	84.1	1.6	326.9	12.4	84.2	3.6	311.9
6/5/2007 9:00	12.5	81.2	1.7	331.2	12.1	82.3	3.5	313.9
6/5/2007 10:00	12.4	82.1	1.2	334.7	11.8	82.1	2.8	323.9
6/5/2007 11:00	12.9	77.8	1.4	335.1	12.4	78.7	2.8	311.0
6/5/2007 12:00	13.3	74.7	1.4	322.1	12.9	74.4	3.2	301.9
6/5/2007 13:00	13.6	77.6	1.1	318.1	13.1	78.4	2.8	299.8
6/5/2007 14:00	13.2	77.5	1.0	329.9	12.7	79.2	2.3	312.8
6/5/2007 15:00	13.8	73.3	1.3	312.9	13.4	73.4	2.7	290.9
6/5/2007 16:00	14.2	70.8	0.9	301.9	13.8	71.3	2.4	279.5
6/5/2007 17:00	14.5	70.9	1.0	305.0	14.2	70.9	2.1	293.4
6/5/2007 18:00	15.0	66.5	1.0	322.5	14.5	64.7	2.0	313.1
6/5/2007 19:00	16.2	64.4	0.9	318.8	15.1	64.6	1.8	312.7
6/5/2007 20:00	15.6	71.4	0.6	326.3	15.0	68.5	1.1	285.7
6/5/2007 21:00	14.8	77.2	0.3	59.2	14.4	76.8	0.7	347.8
6/5/2007 22:00	13.9	83.3	0.5	71.4	13.4	80.9	1.2	56.3
6/5/2007 23:00	13.7	86.3	0.3	66.5	13.3	81.2	0.8	49.4
6/6/2007 0:00	13.3	88.1	0.2	50.6	13.0	87.2	0.6	40.0
6/6/2007 1:00	12.6	88.0	0.8	27.0	12.0	88.4	2.0	8.8
6/6/2007 2:00	11.2	87.0	0.8	27.6	10.6	86.5	1.9	9.4
6/6/2007 3:00	10.4	88.7	0.2	21.5	10.0	88.1	0.9	8.7
6/6/2007 4:00	9.3	90.6	0.2	5.5	8.6	92.1	0.5	300.5
6/6/2007 5:00	8.4	91.5	0.1	191.1	7.3	94.1	0.4	232.3
6/6/2007 6:00	7.7	92.2	0.0	344.2	6.9	94.8	0.5	284.5

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/6/2007 7:00	7.7	93.3	0.0	350.3	7.7	92.8	0.6	285.4
6/6/2007 8:00	9.7	88.8	0.3	318.4	10.3	67.1	1.3	303.3
6/6/2007 9:00	11.9	61.2	0.7	324.2	12.4	54.7	1.3	323.1
6/6/2007 10:00	14.4	48.5	0.6	351.9	14.5	44.9	1.2	348.6
6/6/2007 11:00	16.1	46.0	0.9	30.0	15.7	37.4	1.5	313.0
6/6/2007 12:00	16.9	46.1	1.0	301.5	16.8	39.1	1.4	338.5
6/6/2007 13:00	17.7	46.1	1.3	172.6	17.2	46.9	1.6	123.4
6/6/2007 14:00	18.4	45.1	1.4	187.5	18.0	41.2	2.3	150.2
6/6/2007 15:00	19.7	47.1	1.1	167.5	18.8	50.2	2.5	163.6
6/6/2007 16:00	19.1	48.0	1.7	183.0	18.6	44.4	3.7	165.1
6/6/2007 17:00	20.0	40.5	1.4	176.6	18.6	45.9	3.4	161.4
6/6/2007 18:00	20.0	41.6	1.4	180.7	18.8	45.9	3.2	161.9
6/6/2007 19:00	19.6	46.1	1.2	188.1	19.0	48.8	2.6	181.0
6/6/2007 20:00	18.7	58.7	0.6	134.7	18.1	52.7	1.7	141.3
6/6/2007 21:00	17.1	62.4	0.2	121.8	16.6	62.7	0.6	119.7
6/6/2007 22:00	15.9	57.2	0.6	119.3	15.5	58.4	0.9	104.5
6/6/2007 23:00	15.2	62.7	0.8	115.9	14.8	62.1	1.0	99.6
6/7/2007 0:00	15.1	65.4	0.6	111.7	14.8	63.1	1.0	97.4
6/7/2007 1:00	15.3	64.5	0.6	118.4	15.1	63.8	0.7	99.3
6/7/2007 2:00	15.4	65.0	0.6	114.8	15.2	62.5	0.7	97.9
6/7/2007 3:00	15.6	68.0	0.6	119.1	15.4	69.0	0.8	97.6
6/7/2007 4:00	15.8	74.5	0.2	138.8	15.5	80.2	0.8	125.1
6/7/2007 5:00	16.2	82.2	0.0	120.2	16.5	78.2	1.6	144.4
6/7/2007 6:00	16.6	85.8	0.0	159.1	17.1	83.0	1.7	145.3
6/7/2007 7:00	16.9	86.6	0.2	137.7	17.8	79.1	2.2	147.9
6/7/2007 8:00	19.1	75.0	0.6	150.6	19.3	72.1	3.0	147.0
6/7/2007 9:00	20.9	69.3	1.3	165.3	20.8	66.4	4.3	156.8
6/7/2007 10:00	22.1	65.4	1.8	169.5	22.1	60.8	4.8	164.3
6/7/2007 11:00	23.8	59.7	2.3	172.2	24.1	57.3	5.4	168.9
6/7/2007 12:00	25.7	53.6	2.6	174.9	25.9	52.2	5.5	164.7
6/7/2007 13:00	27.9	56.0	2.3	168.3	27.7	51.1	5.6	159.8
6/7/2007 14:00	29.6	49.6	2.4	169.3	29.2	47.7	6.0	157.3
6/7/2007 15:00	31.1	41.0	2.6	171.0	30.7	40.8	5.9	165.7
6/7/2007 16:00	32.0	39.2	3.7	182.2	32.1	40.6	6.5	172.3
6/7/2007 17:00	32.5	40.4	3.3	181.2	32.3	41.0	6.2	169.4
6/7/2007 18:00	32.3	44.3	2.6	177.0	31.9	41.9	5.5	166.3
6/7/2007 19:00	31.6	45.0	2.7	174.4	31.3	43.5	5.5	168.3
6/7/2007 20:00	30.3	49.7	2.8	178.9	30.4	46.8	5.5	167.0
6/7/2007 21:00	29.1	51.5	2.2	175.0	29.1	51.1	4.8	169.5
6/7/2007 22:00	28.4	55.7	2.5	182.5	28.4	53.9	4.5	173.5
6/7/2007 23:00	27.6	56.9	2.1	178.3	27.7	55.3	4.5	170.5
6/8/2007 0:00	27.1	60.3	2.3	182.6	27.2	59.4	3.9	173.6
6/8/2007 1:00	26.2	65.7	2.0	175.2	26.3	62.7	4.0	168.9

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/8/2007 2:00	25.7	66.9	2.2	177.3	25.5	68.1	3.9	172.2
6/8/2007 3:00	25.5	67.7	2.4	180.2	25.2	68.0	3.8	176.0
6/8/2007 4:00	25.4	67.9	2.3	181.4	25.0	70.0	3.6	176.3
6/8/2007 5:00	25.1	67.5	1.7	177.1	24.9	69.7	3.5	174.6
6/8/2007 6:00	25.0	71.0	1.9	178.7	24.5	72.1	3.2	177.0
6/8/2007 7:00	24.2	74.8	0.9	171.9	24.0	74.0	2.7	172.4
6/8/2007 8:00	24.7	73.2	1.4	175.3	24.9	70.2	2.8	173.7
6/8/2007 9:00	25.9	71.3	1.8	178.8	26.5	65.8	3.7	180.6
6/8/2007 10:00	27.4	66.8	2.3	187.7	28.1	65.2	4.3	182.9
6/8/2007 11:00	28.5	61.5	3.4	199.1	29.5	57.5	5.3	194.6
6/8/2007 12:00	29.8	57.8	3.6	208.7	31.3	52.7	6.1	206.6
6/8/2007 13:00	30.2	54.1	4.2	212.5	31.7	49.1	6.2	206.4
6/8/2007 14:00	30.2	57.0	3.5	224.3	31.4	70.3	5.6	215.8
6/8/2007 15:00	24.9	73.1	1.5	191.8	23.0	79.1	3.1	188.2
6/8/2007 16:00	23.2	80.0	1.7	183.0	22.5	79.7	3.4	175.6
6/8/2007 17:00	26.2	49.1	1.8	215.0	26.2	46.4	3.3	199.2
6/8/2007 18:00	28.0	52.9	2.5	278.8	28.5	52.7	5.6	253.5
6/8/2007 19:00	25.0	49.5	2.2	285.4	25.0	50.3	5.1	260.9
6/8/2007 20:00	23.0	51.0	1.5	304.6	22.9	51.7	3.6	278.0
6/8/2007 21:00	22.4	48.8	1.6	313.4	22.1	50.3	3.3	289.9
6/8/2007 22:00	20.9	61.0	0.9	312.1	20.5	53.8	2.3	292.7
6/8/2007 23:00	19.8	55.9	1.0	326.1	19.6	56.9	2.1	297.7
6/9/2007 0:00	18.0	71.5	0.5	24.6	18.7	57.7	1.4	327.9
6/9/2007 1:00	16.1	73.5	0.1	78.8	18.0	60.9	1.4	342.5
6/9/2007 2:00	15.7	77.7	0.5	63.5	16.4	84.3	1.3	22.1
6/9/2007 3:00	15.1	85.5	0.7	46.9	14.9	85.4	1.7	27.8
6/9/2007 4:00	14.2	86.8	0.5	45.8	14.2	83.0	1.9	26.8
6/9/2007 5:00	13.5	87.3	0.4	45.2	13.5	84.5	1.4	29.5
6/9/2007 6:00	12.6	89.2	0.1	352.7	13.2	86.2	1.3	348.7
6/9/2007 7:00	12.3	90.8	0.0	12.9	13.5	80.4	1.0	350.7
6/9/2007 8:00	14.4	83.8	0.5	357.6	15.3	71.1	1.8	354.9
6/9/2007 9:00	16.9	65.8	0.7	53.0	17.0	62.1	1.6	11.3
6/9/2007 10:00	18.7	53.8	0.9	32.7	18.7	50.4	2.0	35.7
6/9/2007 11:00	20.1	52.9	1.2	19.3	19.5	42.3	2.8	31.6
6/9/2007 12:00	21.5	38.7	1.4	62.4	20.4	41.8	3.0	35.3
6/9/2007 13:00	22.3	45.3	2.0	65.9	20.9	40.2	3.5	27.9
6/9/2007 14:00	23.2	39.1	2.4	80.3	21.5	39.2	3.5	60.1
6/9/2007 15:00	24.4	39.4	1.8	82.9	22.0	44.9	3.3	65.3
6/9/2007 16:00	25.6	36.0	1.5	72.4	22.9	34.3	2.3	72.6
6/9/2007 17:00	25.5	55.8	1.3	111.5	22.2	51.9	2.8	125.9
6/9/2007 18:00	23.1	50.3	1.3	170.8	20.9	51.0	3.9	155.4
6/9/2007 19:00	22.5	50.0	1.2	167.8	20.7	52.1	3.5	152.4
6/9/2007 20:00	20.8	53.9	1.1	175.8	20.4	51.9	3.1	161.3



## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/9/2007 21:00	19.2	68.9	0.7	177.3	19.3	59.1	2.0	164.7
6/9/2007 22:00	16.9	74.1	0.1	106.9	17.5	70.7	0.8	147.7
6/9/2007 23:00	15.4	79.1	0.1	86.4	16.2	75.5	0.5	135.9
6/10/2007 0:00	14.6	84.6	0.1	14.1	14.2	86.7	0.2	276.3
6/10/2007 1:00	13.6	88.0	0.0	359.9	12.9	90.7	0.4	283.1
6/10/2007 2:00	12.9	90.1	0.0	336.0	12.1	92.7	0.1	296.3
6/10/2007 3:00	12.6	91.4	0.0	101.1	12.1	93.8	0.3	49.2
6/10/2007 4:00	12.4	92.2	0.0	353.0	11.5	94.2	0.3	267.6
6/10/2007 5:00	12.0	93.0	0.1	283.1	11.1	95.2	0.2	253.0
6/10/2007 6:00	11.8	93.4	0.0	189.8	10.9	95.4	0.1	279.8
6/10/2007 7:00	11.8	94.0	0.0	315.7	11.5	95.6	0.1	256.2
6/10/2007 8:00	13.9	94.2	0.0	183.2	16.4	75.2	0.1	180.4
6/10/2007 9:00	17.6	65.7	0.6	236.2	20.8	56.0	1.0	215.1
6/10/2007 10:00	20.4	47.4	1.0	217.7	22.7	42.7	1.7	214.9
6/10/2007 11:00	22.1	41.1	1.3	226.9	23.8	39.5	2.2	206.7
6/10/2007 12:00	23.4	40.4	0.9	225.1	24.2	37.1	1.4	201.4
6/10/2007 13:00	25.0	41.3	1.0	120.7	24.4	34.8	1.7	265.8
6/10/2007 14:00	25.3	41.4	1.0	200.6	25.4	37.9	1.4	147.9
6/10/2007 15:00	26.1	39.5	1.4	167.6	25.3	40.7	2.7	151.2
6/10/2007 16:00	26.0	42.2	1.6	184.3	25.3	41.1	3.0	163.2
6/10/2007 17:00	26.4	35.3	1.5	177.0	25.6	39.7	3.1	176.6
6/10/2007 18:00	25.7	39.7	1.5	180.9	24.5	39.5	3.4	164.5
6/10/2007 19:00	24.9	47.1	1.6	185.6	24.2	41.2	2.9	172.5
6/10/2007 20:00	23.1	52.2	1.0	169.4	23.1	48.6	2.7	173.8
6/10/2007 21:00	21.5	65.9	0.5	163.2	21.4	52.9	2.0	166.3
6/10/2007 22:00	18.9	68.5	0.0	61.1	19.6	65.0	0.6	162.7
6/10/2007 23:00	17.2	73.6	0.0	185.7	17.6	71.2	0.2	203.8
6/11/2007 0:00	16.5	78.9	0.1	54.8	16.4	76.2	0.4	204.9
6/11/2007 1:00	15.8	83.3	0.0	353.0	15.7	82.8	0.2	292.0
6/11/2007 2:00	15.2	86.1	0.0	61.1	14.6	87.0	0.1	316.1
6/11/2007 3:00	14.7	88.6	0.0	348.4	14.4	88.0	0.2	26.8
6/11/2007 4:00	14.5	89.9	0.0	207.4	13.8	91.4	0.3	268.6
6/11/2007 5:00	14.1	91.0	0.0	122.2	13.3	93.3	0.0	181.2
6/11/2007 6:00	13.9	92.0	0.2	136.2	13.3	93.7	0.3	81.8
6/11/2007 7:00	13.9	92.9	0.1	197.6	13.6	92.6	0.5	236.5
6/11/2007 8:00	16.0	92.3	0.0	353.0	18.4	72.2	0.2	191.5
6/11/2007 9:00	19.4	62.0	0.3	16.1	21.7	55.1	0.8	268.2
6/11/2007 10:00	22.0	52.8	0.6	281.3	22.6	46.2	1.5	274.9
6/11/2007 11:00	24.0	47.9	0.7	280.1	24.7	43.7	1.0	275.3
6/11/2007 12:00	25.4	47.4	0.8	230.1	25.6	37.8	1.1	312.1
6/11/2007 13:00	27.5	43.5	1.1	4.6	26.7	42.7	2.0	23.2
6/11/2007 14:00	28.1	37.9	1.6	53.6	26.4	35.6	3.2	41.2
6/11/2007 15:00	29.0	37.2	1.6	62.1	27.0	37.9	2.8	49.3

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/11/2007 16:00	29.9	41.5	1.1	39.8	27.3	40.5	2.5	49.8
6/11/2007 17:00	30.4	34.6	1.3	61.0	27.4	39.3	2.5	38.6
6/11/2007 18:00	30.6	29.9	1.3	53.6	27.1	36.4	2.8	41.9
6/11/2007 19:00	29.2	37.4	1.8	56.4	26.4	34.9	3.6	42.5
6/11/2007 20:00	25.6	42.6	1.6	54.6	25.5	38.6	3.4	38.5
6/11/2007 21:00	23.6	45.6	1.5	57.5	23.8	42.2	2.9	39.5
6/11/2007 22:00	21.2	54.6	1.3	51.2	21.5	48.3	3.0	34.9
6/11/2007 23:00	19.9	61.1	0.8	44.0	20.2	56.1	2.1	28.8
6/12/2007 0:00	18.3	70.2	0.3	39.3	19.3	61.3	1.8	23.9
6/12/2007 1:00	17.2	67.3	0.3	37.7	18.5	57.9	1.6	15.4
6/12/2007 2:00	16.7	72.1	0.2	353.7	18.2	61.8	1.3	355.5
6/12/2007 3:00	16.2	65.6	0.2	345.3	17.8	54.5	1.5	348.5
6/12/2007 4:00	16.3	62.7	0.2	343.4	17.7	54.1	1.5	350.1
6/12/2007 5:00	15.8	70.7	0.1	347.2	17.2	58.6	1.1	351.5
6/12/2007 6:00	14.7	73.5	0.0	298.9	16.2	64.7	1.0	354.3
6/12/2007 7:00	14.8	74.4	0.1	334.6	16.1	62.1	1.2	323.8
6/12/2007 8:00	17.1	65.0	0.5	344.0	18.2	56.2	1.6	352.1
6/12/2007 9:00	20.2	51.7	0.8	25.0	20.5	48.0	2.0	6.8
6/12/2007 10:00	22.7	47.8	1.1	29.4	22.7	44.3	2.7	15.0
6/12/2007 11:00	24.9	40.9	1.2	0.8	24.6	37.9	2.8	346.2
6/12/2007 12:00	27.1	39.9	1.5	5.6	26.7	37.8	3.7	11.4
6/12/2007 13:00	28.5	43.2	1.5	22.6	27.7	36.6	3.5	15.7
6/12/2007 14:00	29.9	35.5	1.6	40.5	28.6	37.5	3.5	18.9
6/12/2007 15:00	30.8	33.6	1.8	40.1	29.1	30.4	4.6	31.2
6/12/2007 16:00	31.5	33.7	2.0	51.0	29.2	29.7	5.0	32.3
6/12/2007 17:00	31.5	31.7	2.0	40.3	29.4	32.4	4.2	24.3
6/12/2007 18:00	31.4	30.3	2.0	43.6	29.2	31.1	4.5	33.4
6/12/2007 19:00	30.5	32.2	2.0	48.1	28.6	29.7	4.4	25.6
6/12/2007 20:00	27.6	38.6	1.5	51.0	27.6	35.4	3.8	31.0
6/12/2007 21:00	25.7	43.6	1.1	51.9	25.9	40.1	3.1	32.1
6/12/2007 22:00	22.8	60.0	0.4	64.8	24.2	52.2	1.2	37.4
6/12/2007 23:00	20.9	46.0	0.2	56.6	23.4	39.0	1.2	8.5
6/13/2007 0:00	21.6	53.0	0.3	37.1	23.2	51.1	1.5	26.0
6/13/2007 1:00	20.9	52.9	0.4	38.1	22.1	43.2	1.9	20.5
6/13/2007 2:00	20.2	48.9	0.3	358.4	21.9	41.3	1.7	5.8
6/13/2007 3:00	19.7	52.2	0.3	348.0	21.4	46.1	1.9	354.2
6/13/2007 4:00	19.5	54.7	0.5	352.0	20.6	48.7	2.5	2.6
6/13/2007 5:00	19.3	57.7	0.7	347.2	20.1	50.4	2.7	2.6
6/13/2007 6:00	19.0	57.3	0.6	344.0	19.7	52.1	2.0	359.4
6/13/2007 7:00	19.4	52.4	0.9	342.1	20.2	46.8	2.7	0.3
6/13/2007 8:00	20.7	50.6	0.9	345.4	21.4	45.6	3.1	0.1
6/13/2007 9:00	22.5	50.6	1.1	353.4	22.8	42.8	2.9	355.9
6/13/2007 10:00	24.8	45.8	1.3	8.5	24.8	40.5	3.7	4.8

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/13/2007 11:00	27.0	42.8	1.9	46.3	26.8	40.2	4.4	18.7
6/13/2007 12:00	28.3	42.4	1.5	30.0	27.6	38.7	4.2	25.6
6/13/2007 13:00	30.0	39.6	1.4	39.7	28.8	38.0	3.8	32.4
6/13/2007 14:00	31.5	36.2	1.5	59.5	29.9	30.9	3.5	26.4
6/13/2007 15:00	32.6	31.5	1.8	52.2	31.0	28.5	3.2	32.9
6/13/2007 16:00	33.6	34.2	1.5	44.7	31.6	25.4	3.3	20.5
6/13/2007 17:00	33.0	34.2	1.5	51.5	31.3	28.0	3.4	26.3
6/13/2007 18:00	30.8	37.2	1.7	57.3	30.1	39.1	3.5	42.2
6/13/2007 19:00	31.1	39.6	1.5	74.6	29.3	38.7	3.2	59.1
6/13/2007 20:00	28.6	42.9	1.7	68.3	28.5	37.1	3.8	50.7
6/13/2007 21:00	27.5	39.6	1.1	44.3	27.9	36.3	2.6	25.7
6/13/2007 22:00	25.7	51.2	0.5	13.9	26.7	39.4	1.8	17.5
6/13/2007 23:00	23.6	48.9	0.4	47.8	25.6	43.5	1.5	27.1
6/14/2007 0:00	23.8	54.8	0.4	37.8	24.7	48.4	1.7	21.0
6/14/2007 1:00	22.7	60.3	0.2	32.0	23.7	44.9	1.1	6.0
6/14/2007 2:00	22.2	57.4	0.3	81.4	23.3	52.7	0.9	30.5
6/14/2007 3:00	21.3	61.4	0.2	336.8	22.5	56.8	1.1	328.8
6/14/2007 4:00	20.0	70.2	0.2	2.9	20.9	59.3	0.7	6.6
6/14/2007 5:00	19.2	65.6	0.6	45.8	20.7	61.7	1.6	22.6
6/14/2007 6:00	19.7	68.2	0.6	42.3	20.2	62.9	1.6	28.5
6/14/2007 7:00	19.0	73.5	0.5	6.8	20.1	65.5	1.1	18.8
6/14/2007 8:00	20.5	72.0	0.5	16.5	21.8	65.6	1.5	26.6
6/14/2007 9:00	23.1	64.1	1.0	62.9	23.5	60.1	2.2	47.2
6/14/2007 10:00	25.5	49.0	1.2	87.7	25.7	45.6	2.0	61.2
6/14/2007 11:00	27.3	45.1	0.9	88.8	27.1	42.3	2.0	82.4
6/14/2007 12:00	28.2	42.4	1.5	81.9	27.7	37.4	2.4	71.8
6/14/2007 13:00	29.1	48.1	1.4	69.2	28.2	44.0	2.6	64.5
6/14/2007 14:00	29.9	36.5	1.5	65.6	28.4	38.0	2.5	35.3
6/14/2007 15:00	30.9	42.5	1.3	57.8	29.0	38.1	2.5	54.0
6/14/2007 16:00	32.2	34.6	1.1	53.5	29.2	34.7	2.5	28.7
6/14/2007 17:00	32.8	39.9	1.2	66.6	29.3	47.9	2.0	58.6
6/14/2007 18:00	31.8	42.0	1.1	100.9	28.6	44.0	2.1	98.3
6/14/2007 19:00	30.9	41.6	1.5	94.1	28.1	45.4	2.3	88.0
6/14/2007 20:00	27.6	51.8	1.2	110.0	27.1	46.7	2.2	88.2
6/14/2007 21:00	25.5	51.9	1.0	97.9	25.6	44.8	1.8	90.3
6/14/2007 22:00	23.2	56.1	0.7	81.7	23.9	53.1	1.8	66.9
6/14/2007 23:00	21.5	66.2	0.5	84.4	22.1	64.1	1.9	83.8
6/15/2007 0:00	20.4	69.5	0.8	79.9	21.3	63.6	1.2	55.0
6/15/2007 1:00	19.3	74.4	0.5	78.8	20.3	67.4	0.9	62.5
6/15/2007 2:00	18.7	75.7	0.3	73.2	19.5	71.7	1.0	82.7
6/15/2007 3:00	18.2	81.3	0.3	63.8	19.1	76.9	0.9	67.3
6/15/2007 4:00	17.6	84.4	0.6	76.1	18.5	76.3	1.5	52.2
6/15/2007 5:00	17.4	84.7	0.2	19.0	17.5	84.2	0.8	16.6

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/15/2007 6:00	16.7	86.0	0.3	345.9	17.1	71.5	0.8	335.5
6/15/2007 7:00	16.5	85.8	0.2	11.5	18.4	66.0	1.3	30.9
6/15/2007 8:00	18.2	83.0	0.2	92.6	19.8	71.6	0.9	60.9
6/15/2007 9:00	20.2	68.9	0.9	77.4	20.4	64.7	1.8	42.2
6/15/2007 10:00	21.9	64.6	0.8	61.5	21.7	60.8	1.5	36.5
6/15/2007 11:00	23.8	56.6	0.8	33.8	23.4	54.6	1.7	33.7
6/15/2007 12:00	25.2	50.2	1.2	36.5	24.5	46.4	2.4	35.0
6/15/2007 13:00	26.4	38.4	1.7	60.3	25.3	41.3	3.0	31.4
6/15/2007 14:00	27.3	34.1	1.3	36.3	25.8	36.7	3.0	32.8
6/15/2007 15:00	28.8	27.6	1.2	33.5	26.3	34.0	2.7	28.3
6/15/2007 16:00	30.7	26.3	1.3	48.3	27.1	30.2	2.2	23.0
6/15/2007 17:00	31.9	36.7	1.3	55.9	27.2	44.9	2.4	49.3
6/15/2007 18:00	28.9	38.3	1.6	81.3	26.2	39.0	2.4	78.7
6/15/2007 19:00	30.3	34.6	1.3	96.0	26.1	37.7	2.7	84.1
6/15/2007 20:00	26.0	39.4	1.5	94.5	25.1	38.0	2.2	89.1
6/15/2007 21:00	23.8	46.0	1.1	104.2	23.5	49.7	1.6	92.3
6/15/2007 22:00	20.6	62.8	0.2	83.2	20.9	56.0	0.6	129.1
6/15/2007 23:00	18.4	70.6	0.2	85.7	18.2	64.7	0.3	167.0
6/16/2007 0:00	16.9	74.0	0.1	325.5	16.7	75.9	0.4	280.9
6/16/2007 1:00	15.8	78.7	0.0	173.4	15.3	82.1	0.5	278.2
6/16/2007 2:00	15.0	83.9	0.0	288.9	14.3	86.7	0.6	287.8
6/16/2007 3:00	14.6	86.4	0.1	42.3	14.1	86.1	0.4	329.5
6/16/2007 4:00	14.4	87.6	0.0	300.1	13.9	88.9	0.6	309.5
6/16/2007 5:00	14.0	89.1	0.0	225.9	13.2	91.6	0.5	281.5
6/16/2007 6:00	13.7	90.1	0.1	96.0	12.8	92.8	0.4	270.6
6/16/2007 7:00	14.1	91.1	0.1	200.4	13.7	91.2	0.3	19.6
6/16/2007 8:00	15.8	90.7	0.0	323.2	16.6	76.5	0.3	245.9
6/16/2007 9:00	19.1	81.4	0.2	253.1	20.4	72.1	0.8	239.1
6/16/2007 10:00	22.0	68.6	1.0	216.4	23.7	63.8	1.4	207.1
6/16/2007 11:00	24.1	52.8	1.2	214.8	25.4	48.8	1.9	188.2
6/16/2007 12:00	26.0	44.8	1.1	196.9	26.7	38.9	1.9	178.7
6/16/2007 13:00	27.2	41.5	1.5	194.1	27.6	36.9	2.2	159.3
6/16/2007 14:00	27.9	39.1	1.9	202.5	27.9	39.3	2.9	161.5
6/16/2007 15:00	28.8	39.5	1.6	204.4	28.4	36.3	3.2	158.7
6/16/2007 16:00	29.5	42.3	1.7	184.1	28.6	39.8	3.3	165.3
6/16/2007 17:00	30.1	39.2	1.5	175.0	28.6	39.4	3.3	163.7
6/16/2007 18:00	28.5	47.3	1.4	180.4	28.0	42.7	3.4	165.4
6/16/2007 19:00	28.4	44.2	1.5	179.1	27.7	42.9	3.4	166.4
6/16/2007 20:00	27.4	44.2	1.3	180.5	27.4	39.4	2.9	162.5
6/16/2007 21:00	25.5	52.1	0.5	176.5	26.0	41.5	2.1	159.4
6/16/2007 22:00	23.0	59.3	0.2	217.9	24.1	53.7	1.3	171.8
6/16/2007 23:00	21.6	66.6	0.2	151.1	22.4	63.9	0.5	186.9
6/17/2007 0:00	21.7	72.9	0.2	184.8	22.5	71.8	1.0	177.5

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/17/2007 1:00	21.8	76.2	0.1	175.7	22.7	73.3	1.1	164.0
6/17/2007 2:00	22.1	78.1	0.3	190.3	22.8	78.0	1.0	178.5
6/17/2007 3:00	21.9	80.6	0.4	183.1	22.1	78.7	0.8	184.4
6/17/2007 4:00	21.9	81.1	0.2	196.7	22.1	79.2	0.6	207.9
6/17/2007 5:00	21.1	82.9	0.0	184.4	21.1	81.3	0.5	219.7
6/17/2007 6:00	20.3	85.4	0.2	333.3	21.3	73.2	1.3	289.1
6/17/2007 7:00	21.0	83.7	0.0	353.2	22.7	72.5	0.9	316.0
6/17/2007 8:00	22.6	79.6	0.1	356.5	23.4	68.6	0.9	307.4
6/17/2007 9:00	24.6	71.6	0.7	23.4	24.3	70.1	2.1	355.9
6/17/2007 10:00	25.0	68.9	1.0	18.7	24.4	69.6	2.1	356.6
6/17/2007 11:00	26.6	64.3	0.8	356.0	25.8	65.8	1.7	52.0
6/17/2007 12:00	27.8	58.3	0.9	335.1	27.2	55.0	1.7	340.9
6/17/2007 13:00	28.6	45.7	1.0	236.0	28.7	48.6	1.4	308.4
6/17/2007 14:00	29.6	43.2	1.1	232.7	29.3	42.7	1.7	299.5
6/17/2007 15:00	31.9	39.5	0.9	321.0	30.6	43.2	1.4	73.9
6/17/2007 16:00	31.1	40.7	1.2	211.4	31.2	37.6	1.3	255.6
6/17/2007 17:00	31.2	40.5	0.6	195.1	31.3	41.0	1.3	196.0
6/17/2007 18:00	31.8	48.9	0.8	196.0	30.1	53.7	1.6	142.3
6/17/2007 19:00	30.3	54.7	0.9	172.0	29.5	53.8	2.1	166.4
6/17/2007 20:00	29.1	57.2	0.5	163.3	28.7	51.1	2.0	153.5
6/17/2007 21:00	27.4	54.2	0.6	73.7	27.7	50.0	1.2	106.4
6/17/2007 22:00	24.8	66.7	1.1	53.6	24.9	62.0	3.1	39.0
6/17/2007 23:00	23.2	71.3	1.0	56.2	23.4	69.2	2.4	41.6
6/18/2007 0:00	22.2	75.0	0.4	67.6	22.8	70.5	1.5	46.4
6/18/2007 1:00	21.2	78.8	0.5	75.3	22.4	65.2	1.4	58.4
6/18/2007 2:00	20.4	78.2	0.3	74.6	21.5	71.1	0.6	80.3
6/18/2007 3:00	19.6	82.4	0.0	55.2	20.8	80.0	0.7	79.6
6/18/2007 4:00	19.5	86.9	0.3	102.3	20.4	86.7	0.4	86.6
6/18/2007 5:00	20.0	88.0	0.2	107.4	20.5	83.5	0.4	118.7
6/18/2007 6:00	20.1	87.8	0.0	176.0	20.5	82.6	0.7	143.3
6/18/2007 7:00	19.8	87.9	0.1	87.3	20.8	76.8	0.6	135.5
6/18/2007 8:00	21.1	84.8	0.2	83.0	22.4	78.7	0.9	128.8
6/18/2007 9:00	24.4	81.5	0.8	174.7	24.4	78.5	2.6	155.0
6/18/2007 10:00	25.1	76.2	1.3	184.1	25.0	75.4	2.4	171.6
6/18/2007 11:00	26.7	72.0	1.2	181.9	27.1	70.0	3.0	184.4
6/18/2007 12:00	28.1	57.4	1.6	191.0	28.9	54.3	2.4	188.2
6/18/2007 13:00	29.9	56.3	1.8	186.1	30.5	52.4	3.5	180.5
6/18/2007 14:00	31.2	51.6	1.7	188.5	31.5	49.4	3.2	175.6
6/18/2007 15:00	32.4	45.1	1.9	191.2	32.9	39.5	3.3	183.0
6/18/2007 16:00	32.2	40.0	2.5	202.0	33.7	32.3	3.7	211.0
6/18/2007 17:00	33.8	38.8	2.4	195.5	33.8	33.9	4.7	180.4
6/18/2007 18:00	34.2	37.9	1.8	177.2	33.4	34.5	4.0	164.6
6/18/2007 19:00	33.9	45.6	0.5	108.2	32.1	44.6	3.3	140.2

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/18/2007 20:00	31.6	52.1	0.3	82.4	30.9	49.0	2.0	131.8
6/18/2007 21:00	29.2	54.8	0.4	136.6	29.4	51.0	1.9	139.7
6/18/2007 22:00	28.4	48.3	1.5	196.9	28.4	51.0	2.2	190.4
6/18/2007 23:00	27.9	52.3	1.2	198.1	27.3	54.6	1.4	196.2
6/19/2007 0:00	27.1	56.2	0.9	189.4	26.6	57.7	1.2	185.7
6/19/2007 1:00	27.0	50.7	2.1	195.9	26.8	50.7	3.0	189.0
6/19/2007 2:00	27.0	54.9	2.3	191.3	26.8	53.0	3.3	189.2
6/19/2007 3:00	26.4	58.5	2.3	189.6	26.4	57.7	3.2	186.7
6/19/2007 4:00	25.6	67.0	1.8	181.0	25.6	67.0	2.9	178.2
6/19/2007 5:00	25.0	72.0	1.2	175.5	25.0	67.2	2.9	172.1
6/19/2007 6:00	24.5	72.9	1.4	178.0	24.7	69.5	2.8	176.2
6/19/2007 7:00	24.9	64.3	2.1	187.9	25.0	63.1	3.2	186.0
6/19/2007 8:00	24.2	74.4	2.5	228.4	24.9	72.6	4.5	219.8
6/19/2007 9:00	24.5	71.8	2.3	192.7	25.2	68.4	3.5	190.0
6/19/2007 10:00	25.4	72.1	2.8	200.7	26.0	69.0	4.2	194.6
6/19/2007 11:00	26.2	70.4	2.8	218.6	27.6	63.4	4.8	211.7
6/19/2007 12:00	25.0	82.1	2.5	235.0	25.8	78.8	4.1	224.0
6/19/2007 13:00	22.6	92.5	1.7	220.4	22.5	91.1	3.2	216.4
6/19/2007 14:00	23.3	80.8	1.5	227.3	24.1	75.3	2.2	216.6
6/19/2007 15:00	24.8	57.7	1.8	233.4	26.0	57.9	3.1	208.0
6/19/2007 16:00	26.4	55.1	1.9	255.6	28.1	49.1	4.0	237.3
6/19/2007 17:00	26.5	52.6	1.8	266.4	27.5	50.7	4.0	247.1
6/19/2007 18:00	26.0	44.2	1.3	266.0	26.8	40.9	3.4	247.3
6/19/2007 19:00	27.0	29.8	1.7	268.8	27.0	27.3	4.3	259.6
6/19/2007 20:00	26.4	38.0	1.6	280.3	27.0	35.2	3.8	265.8
6/19/2007 21:00	24.8	41.7	1.6	283.2	25.1	40.1	4.3	261.3
6/19/2007 22:00	23.1	46.2	1.5	294.0	22.9	45.4	4.0	272.3
6/19/2007 23:00	22.0	46.0	1.3	305.5	21.7	47.1	2.9	281.0
6/20/2007 0:00	21.3	49.9	1.1	307.0	20.9	50.3	2.6	280.6
6/20/2007 1:00	20.5	55.0	0.8	306.6	20.0	55.0	1.8	280.6
6/20/2007 2:00	19.4	60.4	0.6	303.5	19.0	58.6	1.4	282.2
6/20/2007 3:00	18.0	68.9	0.3	281.2	17.3	71.5	0.9	256.5
6/20/2007 4:00	16.1	75.6	0.1	222.5	14.7	83.2	0.6	229.9
6/20/2007 5:00	14.5	83.4	0.1	201.2	13.4	88.3	0.4	241.9
6/20/2007 6:00	13.8	87.2	0.0	219.8	13.2	89.1	0.4	269.4
6/20/2007 7:00	14.0	87.9	0.1	262.3	14.3	75.8	0.9	253.9
6/20/2007 8:00	16.6	70.5	0.5	302.0	17.5	68.6	1.7	274.4
6/20/2007 9:00	19.0	60.5	0.7	311.1	19.3	56.6	1.8	295.8
6/20/2007 10:00	21.3	44.7	1.1	323.3	21.3	44.9	2.5	308.1
6/20/2007 11:00	22.6	41.4	1.6	326.5	22.2	40.3	3.6	300.9
6/20/2007 12:00	23.2	36.9	1.8	314.1	23.0	36.9	3.9	295.2
6/20/2007 13:00	23.9	37.3	1.7	302.9	23.8	37.4	4.0	287.4
6/20/2007 14:00	24.8	36.4	1.5	292.7	24.7	32.7	3.3	285.8

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/20/2007 15:00	25.8	30.9	1.5	274.5	25.9	29.8	2.9	263.0
6/20/2007 16:00	27.0	32.6	1.3	277.5	27.3	26.7	2.8	245.0
6/20/2007 17:00	28.1	29.2	1.3	281.3	28.3	27.4	3.1	238.1
6/20/2007 18:00	28.5	30.9	1.2	281.1	27.9	29.3	2.6	253.3
6/20/2007 19:00	28.4	34.1	1.1	271.1	27.5	33.0	2.5	254.7
6/20/2007 20:00	26.1	36.4	0.9	265.4	26.9	43.6	1.9	212.2
6/20/2007 21:00	23.6	52.5	0.4	205.8	23.5	51.4	1.2	208.5
6/20/2007 22:00	20.8	67.3	0.2	145.3	21.1	65.8	0.8	206.2
6/20/2007 23:00	18.8	73.4	0.1	106.9	19.1	71.5	0.4	176.1
6/21/2007 0:00	18.1	75.5	0.1	178.4	17.7	79.3	0.2	218.7
6/21/2007 1:00	19.4	49.9	0.7	241.7	18.5	53.3	1.3	241.1
6/21/2007 2:00	21.3	51.8	0.9	241.6	20.5	51.5	1.8	233.1
6/21/2007 3:00	20.2	62.3	0.8	201.9	19.6	63.3	1.2	194.3
6/21/2007 4:00	19.7	61.6	1.0	217.3	19.1	60.0	1.6	219.1
6/21/2007 5:00	19.2	75.9	1.4	250.6	18.9	79.7	3.0	240.4
6/21/2007 6:00	17.8	82.9	1.2	185.2	17.2	87.2	2.0	180.5
6/21/2007 7:00	17.8	82.5	1.3	191.6	17.3	83.4	1.9	195.3
6/21/2007 8:00	19.6	63.2	1.2	226.6	20.2	56.2	1.8	221.9
6/21/2007 9:00	21.6	60.4	1.4	253.2	22.5	54.1	2.9	237.9
6/21/2007 10:00	23.3	57.1	1.8	255.6	24.8	52.2	3.5	239.1
6/21/2007 11:00	25.5	55.9	2.1	280.5	26.4	54.6	4.9	254.0
6/21/2007 12:00	24.2	73.2	1.7	309.5	24.1	73.5	3.9	284.9
6/21/2007 13:00	22.6	77.2	1.7	298.1	22.7	70.0	3.9	277.0
6/21/2007 14:00	24.3	62.0	1.8	275.0	25.1	55.3	4.1	262.5
6/21/2007 15:00	26.4	49.9	1.8	289.0	26.6	46.8	4.2	275.4
6/21/2007 16:00	27.9	33.2	1.9	298.5	27.6	33.5	4.7	274.5
6/21/2007 17:00	28.4	29.4	2.0	313.5	27.4	30.0	4.7	290.8
6/21/2007 18:00	28.3	29.8	1.7	305.8	27.3	32.6	3.8	285.0
6/21/2007 19:00	27.5	29.1	1.6	301.0	26.7	32.2	3.7	277.0
6/21/2007 20:00	26.0	32.6	1.3	303.8	25.9	33.6	3.1	278.8
6/21/2007 21:00	24.4	56.0	1.1	337.1	23.8	53.4	2.6	324.1
6/21/2007 22:00	20.4	60.7	1.0	63.9	20.5	51.2	2.1	40.3
6/21/2007 23:00	18.4	58.6	0.6	59.4	19.2	53.2	1.4	34.6
6/22/2007 0:00	17.7	60.5	0.9	66.1	17.9	52.4	2.1	41.4
6/22/2007 1:00	16.4	67.3	0.3	45.2	17.3	54.6	1.5	34.9
6/22/2007 2:00	15.0	72.6	0.0	266.3	14.7	73.5	0.3	276.6
6/22/2007 3:00	13.8	76.7	0.1	38.7	13.8	69.9	0.6	329.0
6/22/2007 4:00	13.7	80.9	0.1	323.8	13.4	77.5	0.5	280.9
6/22/2007 5:00	13.5	82.5	0.0	289.8	13.2	78.9	0.6	320.6
6/22/2007 6:00	12.7	85.7	0.1	327.6	12.7	78.3	0.6	335.9
6/22/2007 7:00	12.6	83.4	0.0	24.7	14.0	62.1	0.9	315.8
6/22/2007 8:00	15.7	65.3	0.7	358.7	16.5	60.3	2.0	344.1
6/22/2007 9:00	17.5	64.4	1.0	27.3	17.3	62.0	2.5	12.1

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/22/2007 10:00	19.2	59.5	1.1	26.2	18.7	57.7	2.5	20.0
6/22/2007 11:00	21.0	46.4	1.1	40.1	20.1	44.5	2.1	34.1
6/22/2007 12:00	22.0	42.7	1.0	339.7	21.4	39.8	1.5	32.3
6/22/2007 13:00	22.8	36.4	0.9	347.0	22.2	37.9	1.5	74.6
6/22/2007 14:00	24.4	41.1	1.3	25.4	22.8	42.4	2.0	27.0
6/22/2007 15:00	25.6	41.5	1.4	43.2	22.7	37.9	2.3	42.3
6/22/2007 16:00	25.7	39.9	1.6	62.7	22.7	39.0	2.7	54.7
6/22/2007 17:00	26.2	33.7	1.4	63.2	22.7	37.3	2.6	51.5
6/22/2007 18:00	27.2	38.3	1.0	8.9	23.7	38.0	2.3	26.7
6/22/2007 19:00	26.2	36.7	1.3	24.2	23.2	40.1	2.8	20.5
6/22/2007 20:00	23.2	47.9	1.3	48.5	21.9	46.2	3.5	42.3
6/22/2007 21:00	20.9	54.6	1.4	68.1	20.6	49.4	3.0	47.2
6/22/2007 22:00	19.0	55.7	0.9	45.3	19.2	52.6	2.1	33.6
6/22/2007 23:00	17.9	62.8	0.9	51.1	18.1	57.0	2.1	32.7
6/23/2007 0:00	16.7	67.1	0.7	68.3	16.8	58.5	1.7	39.7
6/23/2007 1:00	15.0	71.7	0.5	51.9	15.9	63.4	1.6	31.4
6/23/2007 2:00	14.0	75.6	0.2	24.2	15.0	67.7	1.0	28.9
6/23/2007 3:00	13.1	80.3	0.4	58.5	13.7	69.2	0.8	10.0
6/23/2007 4:00	12.8	81.0	0.2	47.0	13.4	68.2	0.9	34.1
6/23/2007 5:00	12.3	82.3	0.3	44.6	12.1	77.6	0.4	45.6
6/23/2007 6:00	11.8	83.4	0.1	358.9	11.9	79.2	0.7	39.5
6/23/2007 7:00	11.8	84.0	0.1	199.4	11.8	80.3	0.5	186.4
6/23/2007 8:00	13.2	75.0	0.2	199.2	13.5	71.6	0.5	220.8
6/23/2007 9:00	15.3	63.8	0.2	61.7	16.0	49.1	0.3	194.6
6/23/2007 10:00	16.6	50.4	0.7	195.1	17.4	47.1	1.1	165.9
6/23/2007 11:00	19.3	42.6	0.8	99.8	18.6	43.9	1.0	102.8
6/23/2007 12:00	21.8	44.6	0.9	96.0	20.7	40.9	1.1	57.9
6/23/2007 13:00	22.4	41.5	1.4	180.7	22.4	40.9	1.4	186.3
6/23/2007 14:00	22.7	45.0	1.2	254.1	23.1	36.2	1.6	177.3
6/23/2007 15:00	24.7	41.8	1.2	149.4	24.1	39.4	1.8	160.6
6/23/2007 16:00	23.7	47.1	1.8	193.5	23.3	47.7	3.4	173.7
6/23/2007 17:00	23.6	42.2	1.2	171.3	22.2	46.4	3.1	157.8
6/23/2007 18:00	24.3	49.3	0.8	159.3	22.3	48.1	2.4	161.8
6/23/2007 19:00	22.7	50.5	0.6	164.1	21.6	49.1	2.2	151.2
6/23/2007 20:00	21.7	55.3	0.4	133.1	20.8	49.6	2.1	139.9
6/23/2007 21:00	20.6	58.3	0.3	108.0	20.0	50.6	1.7	135.0
6/23/2007 22:00	17.8	66.0	0.2	78.2	18.0	56.9	0.5	130.6
6/23/2007 23:00	15.6	70.4	0.1	178.6	15.9	67.5	0.1	129.3
6/24/2007 0:00	14.4	73.4	0.0	192.6	14.4	71.3	0.3	259.1
6/24/2007 1:00	13.8	75.3	0.1	193.5	13.5	75.9	0.2	214.6
6/24/2007 2:00	13.1	77.3	0.1	332.1	13.1	76.5	0.2	358.9
6/24/2007 3:00	12.7	80.8	0.2	326.4	12.9	79.3	0.3	2.5
6/24/2007 4:00	12.3	83.4	0.1	10.1	13.1	74.2	0.7	25.3



## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/24/2007 5:00	12.3	85.0	0.1	344.8	12.5	80.7	0.4	31.9
6/24/2007 6:00	12.1	86.5	0.0	349.2	11.8	84.1	0.4	38.7
6/24/2007 7:00	12.5	88.2	0.1	347.3	13.5	71.2	0.6	43.8
6/24/2007 8:00	15.1	87.0	0.0	52.1	18.6	64.0	0.7	57.0
6/24/2007 9:00	19.8	67.9	0.3	138.0	20.4	62.9	2.6	144.6
6/24/2007 10:00	22.0	54.1	1.5	183.9	22.4	50.6	3.1	155.1
6/24/2007 11:00	23.2	50.2	1.5	174.3	23.3	41.3	3.5	160.0
6/24/2007 12:00	24.6	41.0	1.0	156.7	24.2	36.1	3.0	155.6
6/24/2007 13:00	25.4	36.7	1.3	171.8	25.4	36.1	2.4	151.1
6/24/2007 14:00	25.2	42.6	1.3	180.3	25.1	38.5	2.5	167.4
6/24/2007 15:00	26.6	35.1	0.7	142.7	25.6	38.9	1.9	143.6
6/24/2007 16:00	27.4	50.5	1.2	187.8	26.6	48.1	2.7	174.5
6/24/2007 17:00	27.2	51.4	1.9	192.2	26.6	53.7	3.5	171.3
6/24/2007 18:00	27.1	52.8	1.7	182.1	26.2	54.8	3.4	175.8
6/24/2007 19:00	25.7	56.6	1.7	201.6	25.9	55.8	3.1	178.1
6/24/2007 20:00	25.3	60.3	1.1	178.0	25.0	57.7	2.9	166.8
6/24/2007 21:00	24.2	64.3	0.9	172.8	24.2	61.5	2.7	164.6
6/24/2007 22:00	23.1	67.9	0.3	175.5	23.1	64.4	1.4	172.6
6/24/2007 23:00	22.7	71.5	0.1	61.9	22.8	66.5	0.7	178.9
6/25/2007 0:00	22.2	73.5	0.1	16.2	22.6	70.2	0.7	138.3
6/25/2007 1:00	22.0	75.2	0.0	65.2	22.3	75.9	0.7	135.8
6/25/2007 2:00	21.8	79.4	0.0	353.0	22.0	79.7	0.7	132.8
6/25/2007 3:00	21.3	83.5	0.0	211.2	21.5	85.7	0.6	129.0
6/25/2007 4:00	19.9	88.3	0.0	74.7	20.1	90.7	0.2	121.1
6/25/2007 5:00	19.2	90.5	0.0	327.0	19.4	92.1	0.3	53.9
6/25/2007 6:00	18.8	91.7	0.0	336.5	18.3	94.7	0.2	149.6
6/25/2007 7:00	18.8	92.6	0.0	16.0	18.4	95.5	0.1	261.8
6/25/2007 8:00	20.3	92.8	0.0	79.6	19.9	93.9	0.1	229.9
6/25/2007 9:00	22.3	88.4	0.3	72.2	22.2	80.6	0.4	208.0
6/25/2007 10:00	24.2	69.7	0.5	93.5	24.5	66.3	0.6	162.0
6/25/2007 11:00	26.3	61.7	0.7	224.8	27.5	54.8	0.9	209.3
6/25/2007 12:00	27.8	56.3	1.1	225.4	28.2	55.3	1.2	152.4
6/25/2007 13:00	28.7	53.2	0.9	197.3	29.4	50.0	1.7	158.8
6/25/2007 14:00	29.6	54.4	1.4	205.4	30.1	48.4	2.4	163.9
6/25/2007 15:00	29.8	53.2	1.8	191.8	30.1	51.6	3.3	173.9
6/25/2007 16:00	30.1	50.2	2.2	181.5	29.4	47.5	4.3	159.5
6/25/2007 17:00	30.6	48.9	1.8	195.9	29.9	50.5	3.3	175.1
6/25/2007 18:00	30.8	45.8	1.3	218.1	30.8	44.0	2.6	205.8
6/25/2007 19:00	31.9	48.0	0.6	183.1	31.2	47.6	1.3	222.2
6/25/2007 20:00	29.9	58.0	0.8	177.4	29.5	53.0	1.8	164.4
6/25/2007 21:00	28.2	65.6	0.4	149.1	28.2	61.4	2.1	156.3
6/25/2007 22:00	25.5	72.5	0.1	27.7	26.1	67.8	1.1	146.6
6/25/2007 23:00	23.5	77.7	0.0	321.1	24.5	71.6	0.6	127.8

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/26/2007 0:00	22.3	82.3	0.0	82.7	23.3	79.0	0.6	131.0
6/26/2007 1:00	21.9	86.2	0.1	195.3	22.6	86.4	0.5	145.2
6/26/2007 2:00	21.5	89.0	0.2	193.5	21.6	90.7	0.7	184.9
6/26/2007 3:00	21.2	90.9	0.1	79.5	21.4	91.9	0.2	183.7
6/26/2007 4:00	20.9	92.2	0.1	42.1	20.8	93.5	0.2	3.8
6/26/2007 5:00	20.6	93.1	0.1	180.6	20.3	94.7	0.2	204.3
6/26/2007 6:00	20.2	93.6	0.0	28.2	19.9	95.5	0.1	186.8
6/26/2007 7:00	20.3	94.0	0.1	23.9	20.5	94.0	0.3	62.9
6/26/2007 8:00	21.8	93.4	0.1	184.8	22.9	83.0	0.6	166.2
6/26/2007 9:00	24.7	76.9	1.1	191.9	25.9	72.9	1.8	190.0
6/26/2007 10:00	27.0	70.1	1.0	203.1	28.4	62.4	1.9	194.6
6/26/2007 11:00	28.4	64.7	1.3	185.5	29.6	59.1	2.0	182.6
6/26/2007 12:00	29.8	61.3	1.8	209.0	30.9	54.0	2.5	184.6
6/26/2007 13:00	30.3	56.6	1.9	198.5	31.7	48.8	3.5	182.2
6/26/2007 14:00	31.3	54.2	2.1	194.4	32.0	53.6	3.5	180.9
6/26/2007 15:00	31.9	51.0	2.4	195.3	31.8	47.7	4.3	167.7
6/26/2007 16:00	32.5	51.8	2.4	196.4	32.1	51.0	4.4	170.3
6/26/2007 17:00	32.9	45.8	2.0	188.6	32.3	49.3	4.1	174.4
6/26/2007 18:00	32.4	48.2	2.7	188.1	31.9	47.7	4.6	179.9
6/26/2007 19:00	32.2	52.0	1.9	190.7	31.9	52.8	3.6	186.4
6/26/2007 20:00	31.1	58.3	1.6	188.1	31.2	56.4	3.0	181.1
6/26/2007 21:00	29.4	66.5	0.7	172.5	29.5	62.3	2.5	168.6
6/26/2007 22:00	27.2	73.6	0.2	140.9	27.7	68.9	1.1	171.2
6/26/2007 23:00	26.6	72.9	0.6	191.1	27.0	73.3	1.4	179.8
6/27/2007 0:00	26.7	75.9	0.6	181.0	26.4	78.0	1.2	181.9
6/27/2007 1:00	26.8	67.8	1.6	221.3	26.5	66.5	2.2	207.6
6/27/2007 2:00	26.2	71.3	1.2	227.9	26.2	74.4	1.5	215.4
6/27/2007 3:00	25.4	75.3	0.9	196.9	24.8	76.3	1.2	203.7
6/27/2007 4:00	24.5	75.7	1.2	208.1	24.2	78.0	1.4	206.9
6/27/2007 5:00	23.8	80.8	0.9	187.1	23.2	83.0	1.3	174.9
6/27/2007 6:00	23.4	82.9	0.8	185.1	23.0	82.9	1.4	183.9
6/27/2007 7:00	23.1	82.0	1.5	198.5	23.0	78.6	2.5	194.8
6/27/2007 8:00	23.5	80.9	1.7	201.1	24.1	77.4	2.5	195.4
6/27/2007 9:00	24.9	76.6	2.0	204.8	25.8	71.2	3.1	194.6
6/27/2007 10:00	26.0	73.3	2.3	201.1	27.7	66.2	3.2	202.4
6/27/2007 11:00	27.6	68.5	2.4	209.5	29.2	61.2	4.0	203.5
6/27/2007 12:00	29.0	65.4	2.8	204.9	30.7	54.9	4.5	204.2
6/27/2007 13:00	30.1	64.9	2.6	194.1	31.0	62.9	4.5	185.0
6/27/2007 14:00	26.8	73.7	1.4	300.1	27.1	72.1	2.8	275.4
6/27/2007 15:00	24.1	91.0	1.2	284.9	23.6	93.6	2.5	304.9
6/27/2007 16:00	21.4	93.7	0.5	128.0	20.9	95.8	1.5	139.6
6/27/2007 17:00	22.8	93.5	0.4	120.1	22.3	89.9	1.0	127.5
6/27/2007 18:00	24.3	89.8	0.4	172.7	24.3	83.5	1.5	152.7

## Appendix A3 Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/27/2007 19:00	24.2	87.4	1.6	222.9	24.8	83.9	2.3	214.5
6/27/2007 20:00	22.9	86.5	2.3	224.1	23.2	82.8	4.1	219.5
6/27/2007 21:00	22.4	85.9	1.5	194.8	22.3	86.3	2.3	198.0
6/27/2007 22:00	22.2	87.8	0.9	198.1	21.9	87.5	1.5	197.8
6/27/2007 23:00	22.3	88.2	1.4	211.7	22.2	87.4	2.1	204.7
6/28/2007 0:00	22.3	89.3	1.1	235.5	22.5	87.9	1.9	223.0
6/28/2007 1:00	22.2	90.3	1.5	216.6	22.4	89.3	2.3	209.9
6/28/2007 2:00	22.2	91.1	0.9	235.1	22.2	90.0	1.7	224.3
6/28/2007 3:00	21.9	92.2	0.4	229.2	21.8	92.3	1.2	226.3
6/28/2007 4:00	21.6	93.1	0.1	227.6	21.3	94.2	1.0	243.8
6/28/2007 5:00	21.0	92.8	0.3	47.0	21.0	67.4	1.4	302.8
6/28/2007 6:00	19.8	71.9	0.9	41.6	20.3	62.9	2.9	23.0
6/28/2007 7:00	19.3	70.6	0.9	35.8	19.6	62.9	2.4	11.5
6/28/2007 8:00	19.6	64.2	0.9	6.3	19.8	59.5	2.5	1.9
6/28/2007 9:00	20.4	59.1	1.0	24.4	20.4	56.5	2.3	5.5
6/28/2007 10:00	22.1	57.4	1.0	26.0	21.5	55.5	2.1	357.3
6/28/2007 11:00	23.3	53.4	0.8	2.5	22.4	54.6	1.8	358.7
6/28/2007 12:00	24.8	50.7	0.9	12.7	23.7	52.9	1.4	341.1
6/28/2007 13:00	25.9	45.6	0.7	351.7	24.6	46.9	1.3	29.8
6/28/2007 14:00	26.0	44.7	1.1	256.1	26.3	46.8	1.4	238.6
6/28/2007 15:00	26.4	50.9	1.1	232.2	26.8	55.3	1.5	206.6
6/28/2007 16:00	27.1	54.2	1.3	64.8	25.1	51.9	2.4	56.8
6/28/2007 17:00	25.7	62.0	1.5	51.9	23.8	64.0	3.7	35.3
6/28/2007 18:00	23.3	65.0	1.7	49.5	22.4	65.9	3.7	28.3
6/28/2007 19:00	22.2	68.7	1.6	50.0	21.3	68.1	4.1	28.6
6/28/2007 20:00	20.3	73.1	2.0	48.5	19.6	71.9	4.5	26.0
6/28/2007 21:00	18.7	74.5	1.8	41.7	18.2	74.4	4.0	26.2
6/28/2007 22:00	17.8	76.6	1.6	42.7	17.4	75.9	3.9	22.3
6/28/2007 23:00	17.1	75.6	1.2	29.6	16.8	73.6	3.5	17.2
6/29/2007 0:00	16.7	71.2	1.0	11.1	16.6	69.9	2.7	4.0
6/29/2007 1:00	16.1	68.4	0.8	8.3	16.0	65.5	2.5	1.0
6/29/2007 2:00	15.9	69.2	0.8	353.4	15.9	66.1	2.8	2.7
6/29/2007 3:00	15.4	69.3	0.6	1.1	15.5	64.2	2.2	358.8
6/29/2007 4:00	14.9	71.4	0.8	2.4	14.9	70.8	2.6	1.3
6/29/2007 5:00	14.4	77.9	0.7	346.8	14.2	77.0	2.3	358.1
6/29/2007 6:00	13.9	80.1	0.8	351.0	13.9	78.6	2.6	358.6
6/29/2007 7:00	13.9	78.7	0.6	341.4	14.1	75.2	1.8	352.6
6/29/2007 8:00	15.2	75.1	0.9	353.5	15.2	72.1	2.3	354.0
6/29/2007 9:00	16.8	71.5	1.1	24.2	16.4	69.6	2.6	359.7
6/29/2007 10:00	18.3	65.8	1.3	31.6	17.8	58.8	2.6	5.9
6/29/2007 11:00	20.0	53.2	1.3	27.8	19.1	45.7	3.0	28.3
6/29/2007 12:00	21.5	50.4	1.4	46.3	20.1	41.4	2.9	25.5
6/29/2007 13:00	22.2	49.8	1.5	38.6	20.7	46.9	3.2	25.8

## Appendix A3

### Record of Meteorological Data

Date/Time	Ontario Public Health Laboratory				St. Clair College			
	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)	Temperature (°C)	Relative Humidity (%)	Wind Speed (m/s)	Wind Direction (deg)
6/29/2007 14:00	23.6	47.4	1.3	43.8	21.6	44.0	3.2	35.1
6/29/2007 15:00	25.4	38.3	1.7	59.3	22.7	43.5	2.9	42.4
6/29/2007 16:00	27.6	38.2	1.4	62.7	23.6	39.6	2.7	36.1
6/29/2007 17:00	28.3	35.4	1.2	63.4	23.8	37.9	3.5	49.6
6/29/2007 18:00	27.8	32.5	1.5	65.2	23.6	38.9	2.9	47.5
6/29/2007 19:00	27.5	33.2	1.3	67.1	23.4	37.1	2.9	47.8
6/29/2007 20:00	24.2	43.0	1.3	74.4	23.0	37.7	2.4	49.5
6/29/2007 21:00	22.2	48.3	0.9	81.7	22.1	39.9	1.8	71.9
6/29/2007 22:00	19.3	59.0	0.1	52.9	19.4	56.6	0.5	52.9
6/29/2007 23:00	16.8	66.2	0.1	118.0	16.7	66.4	0.4	261.1
6/30/2007 0:00	15.6	72.5	0.1	348.3	15.1	73.9	0.6	307.3
6/30/2007 1:00	14.8	74.9	0.1	336.3	14.3	78.5	0.3	297.8
6/30/2007 2:00	14.0	79.2	0.0	345.4	13.5	82.5	0.3	316.4
6/30/2007 3:00	13.2	81.9	0.0	353.0	13.0	84.4	0.3	306.6
6/30/2007 4:00	12.8	84.2	0.1	339.7	12.5	85.8	0.2	315.7
6/30/2007 5:00	12.5	85.6	0.0	353.0	12.0	89.1	0.1	298.2
6/30/2007 6:00	12.2	87.8	0.0	351.4	11.5	90.5	0.3	280.4
6/30/2007 7:00	12.3	89.3	0.1	201.4	12.4	83.9	0.4	275.8
6/30/2007 8:00	14.7	82.9	0.2	322.4	17.0	66.2	0.8	276.7
6/30/2007 9:00	18.9	55.2	0.5	318.8	19.6	51.3	1.4	300.4
6/30/2007 10:00	21.6	46.1	0.8	301.2	22.4	40.6	1.6	278.9
6/30/2007 11:00	23.4	44.0	1.0	322.0	23.5	38.8	2.1	297.3
6/30/2007 12:00	24.5	40.8	1.1	337.5	24.1	40.0	2.4	337.5
6/30/2007 13:00	25.0	38.1	1.2	41.5	24.7	37.8	2.8	29.4
6/30/2007 14:00	26.1	38.3	1.2	92.8	25.0	36.3	1.9	46.2
6/30/2007 15:00	26.8	37.2	0.9	88.0	25.7	40.8	1.5	347.9
6/30/2007 16:00	28.6	32.1	1.1	82.8	25.2	33.9	2.0	50.8
6/30/2007 17:00	27.7	31.1	1.0	87.1	25.2	34.8	1.6	81.9
6/30/2007 18:00	27.5	41.1	1.8	60.2	24.1	44.8	3.8	30.5
6/30/2007 19:00	26.3	49.1	1.3	53.8	23.6	48.3	3.3	39.6
6/30/2007 20:00	23.2	51.5	1.1	69.3	22.8	47.9	2.0	45.7
6/30/2007 21:00	21.8	61.9	0.7	79.2	21.9	53.9	1.5	59.5
6/30/2007 22:00	20.4	62.6	1.1	45.9	20.9	59.5	2.5	41.6
6/30/2007 23:00	19.3	62.0	1.3	39.8	19.4	58.5	3.3	21.8

## **Appendix A4**

### **Record of Traffic Data**

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/1/2007 0:00	269	3	72	344	21.8%
4/1/2007 1:00	177	2	74	253	30.0%
4/1/2007 2:00	102	6	41	149	31.5%
4/1/2007 3:00	102	1	38	141	27.7%
4/1/2007 4:00	58	6	49	113	48.7%
4/1/2007 5:00	86	0	46	132	34.8%
4/1/2007 6:00	178	4	49	231	22.9%
4/1/2007 7:00	189	5	96	290	34.8%
4/1/2007 8:00	400	12	137	549	27.1%
4/1/2007 9:00	641	20	148	809	20.8%
4/1/2007 10:00	915	17	183	1115	17.9%
4/1/2007 11:00	1063	19	187	1269	16.2%
4/1/2007 12:00	1424	23	197	1644	13.4%
4/1/2007 13:00	1441	11	231	1683	14.4%
4/1/2007 14:00	1388	24	251	1663	16.5%
4/1/2007 15:00	1321	16	278	1615	18.2%
4/1/2007 16:00	1231	25	259	1515	18.7%
4/1/2007 17:00	1026	20	294	1340	23.4%
4/1/2007 18:00	963	18	328	1309	26.4%
4/1/2007 19:00	834	14	285	1133	26.4%
4/1/2007 20:00	609	13	253	875	30.4%
4/1/2007 21:00	474	13	262	749	36.7%
4/1/2007 22:00	422	19	207	648	34.9%
4/1/2007 23:00	323	15	176	514	37.2%
4/2/2007 0:00	207	12	146	365	43.3%
4/2/2007 1:00	129	10	125	264	51.1%
4/2/2007 2:00	59	12	142	213	72.3%
4/2/2007 3:00	42	10	143	195	78.5%
4/2/2007 4:00	89	13	171	273	67.4%
4/2/2007 5:00	267	14	226	507	47.3%
4/2/2007 6:00	739	30	277	1046	29.3%
4/2/2007 7:00	1171	70	277	1518	22.9%
4/2/2007 8:00	1090	68	321	1479	26.3%
4/2/2007 9:00	871	67	351	1289	32.4%
4/2/2007 10:00	1023	57	365	1445	29.2%
4/2/2007 11:00	1093	59	428	1580	30.8%
4/2/2007 12:00	1061	72	413	1546	31.4%
4/2/2007 13:00	986	54	417	1457	32.3%
4/2/2007 14:00	1111	70	428	1609	31.0%
4/2/2007 15:00	1335	59	466	1860	28.2%
4/2/2007 16:00	1310	50	486	1846	29.0%
4/2/2007 17:00	1273	30	447	1750	27.3%
4/2/2007 18:00	1077	35	514	1626	33.8%
4/2/2007 19:00	744	25	460	1229	39.5%
4/2/2007 20:00	672	21	461	1154	41.8%
4/2/2007 21:00	541	28	452	1021	47.0%
4/2/2007 22:00	338	16	412	766	55.9%
4/2/2007 23:00	320	18	325	663	51.7%
4/3/2007 0:00	137	13	244	394	65.2%
4/3/2007 1:00	57	8	213	278	79.5%
4/3/2007 2:00	64	12	220	296	78.4%
4/3/2007 3:00	44	8	208	260	83.1%
4/3/2007 4:00	62	8	227	297	79.1%
4/3/2007 5:00	163	20	213	396	58.8%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/3/2007 6:00	511	25	268	804	36.4%
4/3/2007 7:00	683	59	295	1037	34.1%
4/3/2007 8:00	699	62	322	1083	35.5%
4/3/2007 9:00	634	62	383	1079	41.2%
4/3/2007 10:00	659	61	363	1083	39.2%
4/3/2007 11:00	929	65	481	1475	37.0%
4/3/2007 12:00	1012	54	503	1569	35.5%
4/3/2007 13:00	958	72	504	1534	37.5%
4/3/2007 14:00	1025	69	509	1603	36.1%
4/3/2007 15:00	1201	72	504	1777	32.4%
4/3/2007 16:00	1024	57	461	1542	33.6%
4/3/2007 17:00	998	32	447	1477	32.4%
4/3/2007 18:00	855	33	447	1335	36.0%
4/3/2007 19:00	601	31	450	1082	44.5%
4/3/2007 20:00	468	23	412	903	48.2%
4/3/2007 21:00	411	26	457	894	54.0%
4/3/2007 22:00	365	25	329	719	49.2%
4/3/2007 23:00	261	11	326	598	56.4%
4/4/2007 0:00	140	15	225	380	63.2%
4/4/2007 1:00	72	13	236	321	77.6%
4/4/2007 2:00	55	10	201	266	79.3%
4/4/2007 3:00	47	8	194	249	81.1%
4/4/2007 4:00	54	8	236	298	81.9%
4/4/2007 5:00	162	10	244	416	61.1%
4/4/2007 6:00	726	19	276	1021	28.9%
4/4/2007 7:00	839	44	280	1163	27.9%
4/4/2007 8:00	749	45	317	1111	32.6%
4/4/2007 9:00	579	58	378	1015	43.0%
4/4/2007 10:00	589	53	434	1076	45.3%
4/4/2007 11:00	783	57	401	1241	36.9%
4/4/2007 12:00	735	55	433	1223	39.9%
4/4/2007 13:00	747	57	464	1268	41.1%
4/4/2007 14:00	810	68	416	1294	37.4%
4/4/2007 15:00	960	69	427	1456	34.1%
4/4/2007 16:00	989	57	447	1493	33.8%
4/4/2007 17:00	1026	37	449	1512	32.1%
4/4/2007 18:00	782	29	430	1241	37.0%
4/4/2007 19:00	552	22	458	1032	46.5%
4/4/2007 20:00	551	27	424	1002	45.0%
4/4/2007 21:00	596	29	458	1083	45.0%
4/4/2007 22:00	369	24	388	781	52.8%
4/4/2007 23:00	286	17	291	594	51.9%
4/5/2007 0:00	152	12	192	356	57.3%
4/5/2007 1:00	88	5	178	271	67.5%
4/5/2007 2:00	81	17	160	258	68.6%
4/5/2007 3:00	55	13	189	257	78.6%
4/5/2007 4:00	83	22	262	367	77.4%
4/5/2007 5:00	287	25	256	568	49.5%
4/5/2007 6:00	681	37	315	1033	34.1%
4/5/2007 7:00	1045	39	291	1375	24.0%
4/5/2007 8:00	1017	62	319	1398	27.3%
4/5/2007 9:00	841	54	350	1245	32.4%
4/5/2007 10:00	935	67	531	1533	39.0%
4/5/2007 11:00	994	73	524	1591	37.5%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/5/2007 12:00	1156	76	502	1734	33.3%
4/5/2007 13:00	1059	72	485	1616	34.5%
4/5/2007 14:00	1264	99	481	1844	31.5%
4/5/2007 15:00	1538	67	419	2024	24.0%
4/5/2007 16:00	1562	72	436	2070	24.5%
4/5/2007 17:00	1454	41	448	1943	25.2%
4/5/2007 18:00	1324	44	353	1721	23.1%
4/5/2007 19:00	1040	24	392	1456	28.6%
4/5/2007 20:00	782	18	360	1160	32.6%
4/5/2007 21:00	755	23	329	1107	31.8%
4/5/2007 22:00	567	16	291	874	35.1%
4/5/2007 23:00	447	14	226	687	34.9%
4/6/2007 0:00	274	11	177	462	40.7%
4/6/2007 1:00	170	15	134	319	46.7%
4/6/2007 2:00	130	11	124	265	50.9%
4/6/2007 3:00	97	5	100	202	52.0%
4/6/2007 4:00	96	10	99	205	53.2%
4/6/2007 5:00	119	7	94	220	45.9%
4/6/2007 6:00	223	12	128	363	38.6%
4/6/2007 7:00	261	12	160	433	39.7%
4/6/2007 8:00	336	18	181	535	37.2%
4/6/2007 9:00	551	21	221	793	30.5%
4/6/2007 10:00	767	25	224	1016	24.5%
4/6/2007 11:00	800	21	245	1066	25.0%
4/6/2007 12:00	885	27	217	1129	21.6%
4/6/2007 13:00	1032	22	221	1275	19.1%
4/6/2007 14:00	1064	10	138	1212	12.2%
4/6/2007 15:00	1024	22	183	1229	16.7%
4/6/2007 16:00	1082	17	212	1311	17.5%
4/6/2007 17:00	890	22	261	1173	24.1%
4/6/2007 18:00	660	21	186	867	23.9%
4/6/2007 19:00	551	13	164	728	24.3%
4/6/2007 20:00	486	7	149	642	24.3%
4/6/2007 21:00	468	14	109	591	20.8%
4/6/2007 22:00	360	15	90	465	22.6%
4/6/2007 23:00	299	5	103	407	26.5%
4/7/2007 0:00	173	4	89	266	35.0%
4/7/2007 1:00	118	6	69	193	38.9%
4/7/2007 2:00	84	4	45	133	36.8%
4/7/2007 3:00	82	4	55	141	41.8%
4/7/2007 4:00	66	4	49	119	44.5%
4/7/2007 5:00	118	5	52	175	32.6%
4/7/2007 6:00	219	7	61	287	23.7%
4/7/2007 7:00	197	8	73	278	29.1%
4/7/2007 8:00	436	12	114	562	22.4%
4/7/2007 9:00	620	17	122	759	18.3%
4/7/2007 10:00	893	20	141	1054	15.3%
4/7/2007 11:00	1092	14	165	1271	14.1%
4/7/2007 12:00	1105	17	140	1262	12.4%
4/7/2007 13:00	1094	20	164	1278	14.4%
4/7/2007 14:00	1153	15	164	1332	13.4%
4/7/2007 15:00	1184	17	155	1356	12.7%
4/7/2007 16:00	1056	11	141	1208	12.6%
4/7/2007 17:00	926	9	141	1076	13.9%



## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/7/2007 18:00	812	9	140	961	15.5%
4/7/2007 19:00	643	6	115	764	15.8%
4/7/2007 20:00	457	7	121	585	21.9%
4/7/2007 21:00	408	7	90	505	19.2%
4/7/2007 22:00	410	8	89	507	19.1%
4/7/2007 23:00	298	7	69	374	20.3%
4/8/2007 0:00	216	2	47	265	18.5%
4/8/2007 1:00	169	3	49	221	23.5%
4/8/2007 2:00	113	2	26	141	19.9%
4/8/2007 3:00	87	2	23	112	22.3%
4/8/2007 4:00	58	5	19	82	29.3%
4/8/2007 5:00	63	2	28	93	32.3%
4/8/2007 6:00	179	3	40	222	19.4%
4/8/2007 7:00	154	4	57	215	28.4%
4/8/2007 8:00	337	5	99	441	23.6%
4/8/2007 9:00	509	4	99	612	16.8%
4/8/2007 10:00	773	6	116	895	13.6%
4/8/2007 11:00	868	12	148	1028	15.6%
4/8/2007 12:00	1233	8	148	1389	11.2%
4/8/2007 13:00	1077	10	143	1230	12.4%
4/8/2007 14:00	1118	20	170	1308	14.5%
4/8/2007 15:00	1165	14	200	1379	15.5%
4/8/2007 16:00	1094	11	172	1277	14.3%
4/8/2007 17:00	850	17	210	1077	21.1%
4/8/2007 18:00	864	18	190	1072	19.4%
4/8/2007 19:00	936	9	210	1155	19.0%
4/8/2007 20:00	862	10	189	1061	18.8%
4/8/2007 21:00	662	17	154	833	20.5%
4/8/2007 22:00	484	19	140	643	24.7%
4/8/2007 23:00	285	8	108	401	28.9%
4/9/2007 0:00	169	6	104	279	39.4%
4/9/2007 1:00	83	9	92	184	54.9%
4/9/2007 2:00	81	5	85	171	52.6%
4/9/2007 3:00	56	7	82	145	61.4%
4/9/2007 4:00	77	8	81	166	53.6%
4/9/2007 5:00	217	12	133	362	40.1%
4/9/2007 6:00	601	16	163	780	22.9%
4/9/2007 7:00	830	31	178	1039	20.1%
4/9/2007 8:00	863	35	245	1143	24.5%
4/9/2007 9:00	870	52	221	1143	23.9%
4/9/2007 10:00	928	50	242	1220	23.9%
4/9/2007 11:00	905	42	285	1232	26.5%
4/9/2007 12:00	1238	55	298	1591	22.2%
4/9/2007 13:00	1267	53	303	1623	21.9%
4/9/2007 14:00	1292	64	353	1709	24.4%
4/9/2007 15:00	1397	40	345	1782	21.6%
4/9/2007 16:00	1367	63	351	1781	23.2%
4/9/2007 17:00	1320	28	373	1721	23.3%
4/9/2007 18:00	1056	33	405	1494	29.3%
4/9/2007 19:00	793	20	348	1161	31.7%
4/9/2007 20:00	666	17	351	1034	35.6%
4/9/2007 21:00	491	23	313	827	40.6%
4/9/2007 22:00	371	18	310	699	46.9%
4/9/2007 23:00	236	8	247	491	51.9%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/10/2007 0:00	139	18	221	378	63.2%
4/10/2007 1:00	74	13	217	304	75.7%
4/10/2007 2:00	51	6	148	205	75.1%
4/10/2007 3:00	59	6	171	236	75.0%
4/10/2007 4:00	91	11	178	280	67.5%
4/10/2007 5:00	205	16	241	462	55.6%
4/10/2007 6:00	717	30	269	1016	29.4%
4/10/2007 7:00	1061	65	279	1405	24.5%
4/10/2007 8:00	945	64	332	1341	29.5%
4/10/2007 9:00	899	61	397	1357	33.8%
4/10/2007 10:00	775	78	429	1282	39.5%
4/10/2007 11:00	940	64	467	1471	36.1%
4/10/2007 12:00	1014	56	443	1513	33.0%
4/10/2007 13:00	875	52	457	1384	36.8%
4/10/2007 14:00	893	79	423	1395	36.0%
4/10/2007 15:00	1068	52	469	1589	32.8%
4/10/2007 16:00	1188	58	532	1778	33.2%
4/10/2007 17:00	1251	38	461	1750	28.5%
4/10/2007 18:00	1073	46	515	1634	34.3%
4/10/2007 19:00	742	21	512	1275	41.8%
4/10/2007 20:00	575	18	456	1049	45.2%
4/10/2007 21:00	537	26	403	966	44.4%
4/10/2007 22:00	406	20	366	792	48.7%
4/10/2007 23:00	261	17	316	594	56.1%
4/11/2007 0:00	130	11	275	416	68.8%
4/11/2007 1:00	71	13	209	293	75.8%
4/11/2007 2:00	51	8	194	253	79.8%
4/11/2007 3:00	40	9	208	257	84.4%
4/11/2007 4:00	64	12	208	284	77.5%
4/11/2007 5:00	198	14	245	457	56.7%
4/11/2007 6:00	571	25	290	886	35.6%
4/11/2007 7:00	1093	53	354	1500	27.1%
4/11/2007 8:00	994	61	431	1486	33.1%
4/11/2007 9:00	852	61	427	1340	36.4%
4/11/2007 10:00	765	61	520	1346	43.2%
4/11/2007 11:00	878	84	478	1440	39.0%
4/11/2007 12:00	886	61	512	1459	39.3%
4/11/2007 13:00	888	68	485	1441	38.4%
4/11/2007 14:00	1024	74	483	1581	35.2%
4/11/2007 15:00	1333	67	476	1876	28.9%
4/11/2007 16:00	1193	60	522	1775	32.8%
4/11/2007 17:00	1268	47	486	1801	29.6%
4/11/2007 18:00	933	32	497	1462	36.2%
4/11/2007 19:00	710	23	492	1225	42.0%
4/11/2007 20:00	592	19	458	1069	44.6%
4/11/2007 21:00	475	22	429	926	48.7%
4/11/2007 22:00	374	16	393	783	52.2%
4/11/2007 23:00	303	17	313	633	52.1%
4/12/2007 0:00	147	8	275	430	65.8%
4/12/2007 1:00	99	9	236	344	71.2%
4/12/2007 2:00	69	12	182	263	73.8%
4/12/2007 3:00	72	8	200	280	74.3%
4/12/2007 4:00	77	17	246	340	77.4%
4/12/2007 5:00	260	18	257	535	51.4%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/12/2007 6:00	732	30	279	1041	29.7%
4/12/2007 7:00	1073	63	319	1455	26.3%
4/12/2007 8:00	931	65	419	1415	34.2%
4/12/2007 9:00	877	48	430	1355	35.3%
4/12/2007 10:00	813	62	437	1312	38.0%
4/12/2007 11:00	894	66	443	1403	36.3%
4/12/2007 12:00	961	79	499	1539	37.6%
4/12/2007 13:00	988	58	487	1533	35.6%
4/12/2007 14:00	1168	77	511	1756	33.5%
4/12/2007 15:00	1327	64	489	1880	29.4%
4/12/2007 16:00	1333	66	464	1863	28.4%
4/12/2007 17:00	1321	30	499	1850	28.6%
4/12/2007 18:00	1022	29	517	1568	34.8%
4/12/2007 19:00	755	15	499	1269	40.5%
4/12/2007 20:00	651	18	464	1133	42.5%
4/12/2007 21:00	552	23	382	957	42.3%
4/12/2007 22:00	443	22	364	829	46.6%
4/12/2007 23:00	348	17	289	654	46.8%
4/13/2007 0:00	181	9	246	436	58.5%
4/13/2007 1:00	120	9	215	344	65.1%
4/13/2007 2:00	99	10	170	279	64.5%
4/13/2007 3:00	61	7	177	245	75.1%
4/13/2007 4:00	75	15	211	301	75.1%
4/13/2007 5:00	260	9	273	542	52.0%
4/13/2007 6:00	715	44	262	1021	30.0%
4/13/2007 7:00	1002	51	321	1374	27.1%
4/13/2007 8:00	1012	63	321	1396	27.5%
4/13/2007 9:00	879	83	396	1358	35.3%
4/13/2007 10:00	872	81	414	1367	36.2%
4/13/2007 11:00	1035	89	410	1534	32.5%
4/13/2007 12:00	1170	72	377	1619	27.7%
4/13/2007 13:00	1165	63	364	1592	26.8%
4/13/2007 14:00	1272	76	420	1768	28.1%
4/13/2007 15:00	1478	72	406	1956	24.4%
4/13/2007 16:00	1387	57	395	1839	24.6%
4/13/2007 17:00	1337	57	401	1795	25.5%
4/13/2007 18:00	1154	33	378	1565	26.3%
4/13/2007 19:00	906	22	347	1275	28.9%
4/13/2007 20:00	715	21	333	1069	33.1%
4/13/2007 21:00	569	19	347	935	39.1%
4/13/2007 22:00	520	17	284	821	36.7%
4/13/2007 23:00	421	18	256	695	39.4%
4/14/2007 0:00	257	10	208	475	45.9%
4/14/2007 1:00	155	5	154	314	50.6%
4/14/2007 2:00	110	8	116	234	53.0%
4/14/2007 3:00	78	9	106	193	59.6%
4/14/2007 4:00	65	11	100	176	63.1%
4/14/2007 5:00	163	8	108	279	41.6%
4/14/2007 6:00	313	14	113	440	28.9%
4/14/2007 7:00	401	33	154	588	31.8%
4/14/2007 8:00	573	34	184	791	27.6%
4/14/2007 9:00	772	27	236	1035	25.4%
4/14/2007 10:00	910	29	262	1201	24.2%
4/14/2007 11:00	1032	33	256	1321	21.9%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/14/2007 12:00	1081	28	252	1361	20.6%
4/14/2007 13:00	1196	31	240	1467	18.5%
4/14/2007 14:00	1095	21	236	1352	19.0%
4/14/2007 15:00	1152	34	189	1375	16.2%
4/14/2007 16:00	1127	26	220	1373	17.9%
4/14/2007 17:00	991	24	204	1219	18.7%
4/14/2007 18:00	868	15	223	1106	21.5%
4/14/2007 19:00	660	12	202	874	24.5%
4/14/2007 20:00	539	9	145	693	22.2%
4/14/2007 21:00	500	7	134	641	22.0%
4/14/2007 22:00	426	6	121	553	23.0%
4/14/2007 23:00	353	10	119	482	26.8%
4/15/2007 0:00	288	6	85	379	24.0%
4/15/2007 1:00	151	2	74	227	33.5%
4/15/2007 2:00	116	2	39	157	26.1%
4/15/2007 3:00	88	7	37	132	33.3%
4/15/2007 4:00	79	3	29	111	28.8%
4/15/2007 5:00	79	3	57	139	43.2%
4/15/2007 6:00	180	3	77	260	30.8%
4/15/2007 7:00	249	3	80	332	25.0%
4/15/2007 8:00	481	13	120	614	21.7%
4/15/2007 9:00	707	17	139	863	18.1%
4/15/2007 10:00	903	22	173	1098	17.8%
4/15/2007 11:00	1186	28	177	1391	14.7%
4/15/2007 12:00	1276	16	187	1479	13.7%
4/15/2007 13:00	966	17	200	1183	18.3%
4/15/2007 14:00	999	16	235	1250	20.1%
4/15/2007 15:00	998	27	245	1270	21.4%
4/15/2007 16:00	1159	28	251	1438	19.4%
4/15/2007 17:00	1057	26	240	1323	20.1%
4/15/2007 18:00	746	21	246	1013	26.4%
4/15/2007 19:00	605	13	257	875	30.9%
4/15/2007 20:00	487	11	217	715	31.9%
4/15/2007 21:00	384	10	232	626	38.7%
4/15/2007 22:00	291	20	213	524	44.5%
4/15/2007 23:00	200	15	162	377	46.9%
4/16/2007 0:00	114	9	143	266	57.1%
4/16/2007 1:00	59	8	119	186	68.3%
4/16/2007 2:00	35	7	112	154	77.3%
4/16/2007 3:00	43	8	125	176	75.6%
4/16/2007 4:00	65	12	151	228	71.5%
4/16/2007 5:00	171	8	188	367	53.4%
4/16/2007 6:00	437	21	217	675	35.3%
4/16/2007 7:00	481	61	193	735	34.6%
4/16/2007 8:00	629	67	247	943	33.3%
4/16/2007 9:00	596	67	287	950	37.3%
4/16/2007 10:00	695	74	311	1080	35.6%
4/16/2007 11:00	737	63	372	1172	37.1%
4/16/2007 12:00	718	75	342	1135	36.7%
4/16/2007 13:00	731	57	330	1118	34.6%
4/16/2007 14:00	872	68	337	1277	31.7%
4/16/2007 15:00	828	55	301	1184	30.1%
4/16/2007 16:00	861	55	456	1372	37.2%
4/16/2007 17:00	893	34	455	1382	35.4%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/16/2007 18:00	759	32	433	1224	38.0%
4/16/2007 19:00	535	24	399	958	44.2%
4/16/2007 20:00	437	24	389	850	48.6%
4/16/2007 21:00	348	27	381	756	54.0%
4/16/2007 22:00	251	10	346	607	58.6%
4/16/2007 23:00	204	17	272	493	58.6%
4/17/2007 0:00	116	12	142	270	57.0%
4/17/2007 1:00	74	5	157	236	68.6%
4/17/2007 2:00	51	16	206	273	81.3%
4/17/2007 3:00	44	10	174	228	80.7%
4/17/2007 4:00	72	16	191	279	74.2%
4/17/2007 5:00	215	16	255	486	55.8%
4/17/2007 6:00	453	34	243	730	37.9%
4/17/2007 7:00	734	54	295	1083	32.2%
4/17/2007 8:00	713	73	356	1142	37.6%
4/17/2007 9:00	558	66	358	982	43.2%
4/17/2007 10:00	677	77	389	1143	40.8%
4/17/2007 11:00	717	73	407	1197	40.1%
4/17/2007 12:00	710	60	404	1174	39.5%
4/17/2007 13:00	692	54	378	1124	38.4%
4/17/2007 14:00	0	0	0	0	#DIV/0!
4/17/2007 15:00	1255	74	498	1827	31.3%
4/17/2007 16:00	1233	62	523	1818	32.2%
4/17/2007 17:00	1262	47	484	1793	29.6%
4/17/2007 18:00	977	30	526	1533	36.3%
4/17/2007 19:00	697	30	465	1192	41.5%
4/17/2007 20:00	608	20	503	1131	46.2%
4/17/2007 21:00	505	20	427	952	47.0%
4/17/2007 22:00	408	18	360	786	48.1%
4/17/2007 23:00	292	21	332	645	54.7%
4/18/2007 0:00	150	10	232	392	61.7%
4/18/2007 1:00	68	8	206	282	75.9%
4/18/2007 2:00	61	9	192	262	76.7%
4/18/2007 3:00	63	5	194	262	76.0%
4/18/2007 4:00	79	10	215	304	74.0%
4/18/2007 5:00	241	12	249	502	52.0%
4/18/2007 6:00	735	35	307	1077	31.8%
4/18/2007 7:00	1072	54	331	1457	26.4%
4/18/2007 8:00	1008	79	392	1479	31.8%
4/18/2007 9:00	785	80	454	1319	40.5%
4/18/2007 10:00	813	77	451	1341	39.4%
4/18/2007 11:00	920	58	471	1449	36.5%
4/18/2007 12:00	986	78	471	1535	35.8%
4/18/2007 13:00	910	65	492	1467	38.0%
4/18/2007 14:00	1050	75	445	1570	33.1%
4/18/2007 15:00	1253	87	493	1833	31.6%
4/18/2007 16:00	1326	66	553	1945	31.8%
4/18/2007 17:00	1230	39	513	1782	31.0%
4/18/2007 18:00	1087	29	469	1585	31.4%
4/18/2007 19:00	684	26	435	1145	40.3%
4/18/2007 20:00	603	29	504	1136	46.9%
4/18/2007 21:00	498	14	434	946	47.4%
4/18/2007 22:00	393	19	387	799	50.8%
4/18/2007 23:00	314	15	282	611	48.6%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/19/2007 0:00	182	11	284	477	61.8%
4/19/2007 1:00	93	8	255	356	73.9%
4/19/2007 2:00	54	13	195	262	79.4%
4/19/2007 3:00	63	9	187	259	75.7%
4/19/2007 4:00	83	20	224	327	74.6%
4/19/2007 5:00	203	13	252	468	56.6%
4/19/2007 6:00	575	34	279	888	35.2%
4/19/2007 7:00	1102	72	332	1506	26.8%
4/19/2007 8:00	914	72	339	1325	31.0%
4/19/2007 9:00	706	56	391	1153	38.8%
4/19/2007 10:00	885	67	433	1385	36.1%
4/19/2007 11:00	920	74	482	1476	37.7%
4/19/2007 12:00	836	63	392	1291	35.2%
4/19/2007 13:00	855	47	435	1337	36.1%
4/19/2007 14:00	1011	73	495	1579	36.0%
4/19/2007 15:00	1311	66	475	1852	29.2%
4/19/2007 16:00	1304	58	477	1839	29.1%
4/19/2007 17:00	1331	33	479	1843	27.8%
4/19/2007 18:00	1022	36	468	1526	33.0%
4/19/2007 19:00	659	24	478	1161	43.2%
4/19/2007 20:00	644	39	410	1093	41.1%
4/19/2007 21:00	438	20	408	866	49.4%
4/19/2007 22:00	338	7	318	663	49.0%
4/19/2007 23:00	226	12	278	516	56.2%
4/20/2007 0:00	144	10	249	403	64.3%
4/20/2007 1:00	104	17	230	351	70.4%
4/20/2007 2:00	70	7	218	295	76.3%
4/20/2007 3:00	54	16	186	256	78.9%
4/20/2007 4:00	71	13	195	279	74.6%
4/20/2007 5:00	253	15	249	517	51.1%
4/20/2007 6:00	756	35	288	1079	29.9%
4/20/2007 7:00	1131	62	297	1490	24.1%
4/20/2007 8:00	1076	61	354	1491	27.8%
4/20/2007 9:00	886	71	407	1364	35.0%
4/20/2007 10:00	918	64	405	1387	33.8%
4/20/2007 11:00	1063	74	409	1546	31.2%
4/20/2007 12:00	1111	59	427	1597	30.4%
4/20/2007 13:00	1070	76	416	1562	31.5%
4/20/2007 14:00	1259	82	382	1723	26.9%
4/20/2007 15:00	1516	58	365	1939	21.8%
4/20/2007 16:00	1357	65	398	1820	25.4%
4/20/2007 17:00	1383	50	366	1799	23.1%
4/20/2007 18:00	1177	44	402	1623	27.5%
4/20/2007 19:00	933	29	368	1330	29.8%
4/20/2007 20:00	825	33	304	1162	29.0%
4/20/2007 21:00	686	19	260	965	28.9%
4/20/2007 22:00	578	18	271	867	33.3%
4/20/2007 23:00	468	11	212	691	32.3%
4/21/2007 0:00	254	9	172	435	41.6%
4/21/2007 1:00	141	9	160	310	54.5%
4/21/2007 2:00	98	13	116	227	56.8%
4/21/2007 3:00	74	11	98	183	59.6%
4/21/2007 4:00	70	14	100	184	62.0%
4/21/2007 5:00	172	12	116	300	42.7%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/21/2007 6:00	374	20	112	506	26.1%
4/21/2007 7:00	472	28	150	650	27.4%
4/21/2007 8:00	694	37	211	942	26.3%
4/21/2007 9:00	846	36	210	1092	22.5%
4/21/2007 10:00	1048	45	214	1307	19.8%
4/21/2007 11:00	1246	53	238	1537	18.9%
4/21/2007 12:00	1258	42	218	1518	17.1%
4/21/2007 13:00	1212	37	207	1456	16.8%
4/21/2007 14:00	1162	40	252	1454	20.1%
4/21/2007 15:00	1205	22	216	1443	16.5%
4/21/2007 16:00	1107	25	205	1337	17.2%
4/21/2007 17:00	1153	20	159	1332	13.4%
4/21/2007 18:00	976	21	191	1188	17.8%
4/21/2007 19:00	816	16	203	1035	21.2%
4/21/2007 20:00	628	7	151	786	20.1%
4/21/2007 21:00	535	8	154	697	23.2%
4/21/2007 22:00	508	10	128	646	21.4%
4/21/2007 23:00	440	4	95	539	18.4%
4/22/2007 0:00	275	3	83	361	23.8%
4/22/2007 1:00	194	2	49	245	20.8%
4/22/2007 2:00	125	6	62	193	35.2%
4/22/2007 3:00	93	2	32	127	26.8%
4/22/2007 4:00	75	3	39	117	35.9%
4/22/2007 5:00	92	2	45	139	33.8%
4/22/2007 6:00	202	8	74	284	28.9%
4/22/2007 7:00	253	12	78	343	26.2%
4/22/2007 8:00	516	16	122	654	21.1%
4/22/2007 9:00	713	24	155	892	20.1%
4/22/2007 10:00	987	25	151	1163	15.1%
4/22/2007 11:00	1052	24	172	1248	15.7%
4/22/2007 12:00	1387	26	186	1599	13.3%
4/22/2007 13:00	1336	26	215	1577	15.3%
4/22/2007 14:00	1317	20	201	1538	14.4%
4/22/2007 15:00	1296	23	243	1562	17.0%
4/22/2007 16:00	1159	19	239	1417	18.2%
4/22/2007 17:00	1004	20	254	1278	21.4%
4/22/2007 18:00	1003	19	249	1271	21.1%
4/22/2007 19:00	790	21	215	1026	23.0%
4/22/2007 20:00	684	18	212	914	25.2%
4/22/2007 21:00	519	11	231	761	31.8%
4/22/2007 22:00	428	12	203	643	33.4%
4/22/2007 23:00	264	13	195	472	44.1%
4/23/2007 0:00	145	8	154	307	52.8%
4/23/2007 1:00	84	6	117	207	59.4%
4/23/2007 2:00	54	8	113	175	69.1%
4/23/2007 3:00	61	12	138	211	71.1%
4/23/2007 4:00	94	19	160	273	65.6%
4/23/2007 5:00	288	8	215	511	43.6%
4/23/2007 6:00	798	27	289	1114	28.4%
4/23/2007 7:00	1029	64	259	1352	23.9%
4/23/2007 8:00	1057	78	313	1448	27.0%
4/23/2007 9:00	777	62	331	1170	33.6%
4/23/2007 10:00	809	78	393	1280	36.8%
4/23/2007 11:00	930	71	349	1350	31.1%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/23/2007 12:00	1049	70	386	1505	30.3%
4/23/2007 13:00	873	51	405	1329	34.3%
4/23/2007 14:00	1008	71	379	1458	30.9%
4/23/2007 15:00	1243	62	446	1751	29.0%
4/23/2007 16:00	1167	61	457	1685	30.7%
4/23/2007 17:00	1174	29	418	1621	27.6%
4/23/2007 18:00	959	42	514	1515	36.7%
4/23/2007 19:00	683	23	457	1163	41.3%
4/23/2007 20:00	651	14	438	1103	41.0%
4/23/2007 21:00	460	28	461	949	51.5%
4/23/2007 22:00	370	16	366	752	50.8%
4/23/2007 23:00	266	11	341	618	57.0%
4/24/2007 0:00	174	14	258	446	61.0%
4/24/2007 1:00	76	16	223	315	75.9%
4/24/2007 2:00	57	12	196	265	78.5%
4/24/2007 3:00	53	12	199	264	79.9%
4/24/2007 4:00	77	11	227	315	75.6%
4/24/2007 5:00	268	16	271	555	51.7%
4/24/2007 6:00	812	33	301	1146	29.1%
4/24/2007 7:00	1020	59	346	1425	28.4%
4/24/2007 8:00	1002	79	412	1493	32.9%
4/24/2007 9:00	839	77	398	1314	36.1%
4/24/2007 10:00	830	84	422	1336	37.9%
4/24/2007 11:00	894	68	478	1440	37.9%
4/24/2007 12:00	859	65	483	1407	38.9%
4/24/2007 13:00	945	84	504	1533	38.4%
4/24/2007 14:00	1125	73	484	1682	33.1%
4/24/2007 15:00	1299	79	521	1899	31.6%
4/24/2007 16:00	1076	64	401	1541	30.2%
4/24/2007 17:00	1211	41	584	1836	34.0%
4/24/2007 18:00	967	49	493	1509	35.9%
4/24/2007 19:00	807	35	496	1338	39.7%
4/24/2007 20:00	649	30	428	1107	41.4%
4/24/2007 21:00	491	18	443	952	48.4%
4/24/2007 22:00	417	10	360	787	47.0%
4/24/2007 23:00	304	22	344	670	54.6%
4/25/2007 0:00	132	12	267	411	67.9%
4/25/2007 1:00	92	14	239	345	73.3%
4/25/2007 2:00	90	16	214	320	71.9%
4/25/2007 3:00	63	5	193	261	75.9%
4/25/2007 4:00	80	11	234	325	75.4%
4/25/2007 5:00	215	14	271	500	57.0%
4/25/2007 6:00	764	30	300	1094	30.2%
4/25/2007 7:00	1036	49	324	1409	26.5%
4/25/2007 8:00	1007	53	364	1424	29.3%
4/25/2007 9:00	800	76	439	1315	39.2%
4/25/2007 10:00	804	65	431	1300	38.2%
4/25/2007 11:00	889	64	462	1415	37.2%
4/25/2007 12:00	948	69	439	1456	34.9%
4/25/2007 13:00	934	79	482	1495	37.5%
4/25/2007 14:00	1042	87	508	1637	36.3%
4/25/2007 15:00	1252	66	516	1834	31.7%
4/25/2007 16:00	1225	73	563	1861	34.2%
4/25/2007 17:00	1234	52	520	1806	31.7%



## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/25/2007 18:00	1005	27	526	1558	35.5%
4/25/2007 19:00	742	35	508	1285	42.3%
4/25/2007 20:00	683	21	489	1193	42.7%
4/25/2007 21:00	508	24	432	964	47.3%
4/25/2007 22:00	442	14	385	841	47.4%
4/25/2007 23:00	313	16	348	677	53.8%
4/26/2007 0:00	166	14	268	448	62.9%
4/26/2007 1:00	107	17	239	363	70.5%
4/26/2007 2:00	74	12	201	287	74.2%
4/26/2007 3:00	63	10	207	280	77.5%
4/26/2007 4:00	87	16	226	329	73.6%
4/26/2007 5:00	251	23	252	526	52.3%
4/26/2007 6:00	775	24	332	1131	31.5%
4/26/2007 7:00	988	49	363	1400	29.4%
4/26/2007 8:00	1049	65	370	1484	29.3%
4/26/2007 9:00	776	45	433	1254	38.1%
4/26/2007 10:00	781	63	425	1269	38.5%
4/26/2007 11:00	943	70	412	1425	33.8%
4/26/2007 12:00	950	60	413	1423	33.2%
4/26/2007 13:00	969	61	440	1470	34.1%
4/26/2007 14:00	1141	57	486	1684	32.2%
4/26/2007 15:00	1317	77	500	1894	30.5%
4/26/2007 16:00	1326	70	432	1828	27.5%
4/26/2007 17:00	1298	52	519	1869	30.6%
4/26/2007 18:00	1075	43	515	1633	34.2%
4/26/2007 19:00	788	38	477	1303	39.5%
4/26/2007 20:00	638	31	405	1074	40.6%
4/26/2007 21:00	522	29	392	943	44.6%
4/26/2007 22:00	466	22	396	884	47.3%
4/26/2007 23:00	352	16	306	674	47.8%
4/27/2007 0:00	171	18	259	448	61.8%
4/27/2007 1:00	105	14	239	358	70.7%
4/27/2007 2:00	88	16	195	299	70.6%
4/27/2007 3:00	87	8	190	285	69.5%
4/27/2007 4:00	88	15	210	313	71.9%
4/27/2007 5:00	274	15	251	540	49.3%
4/27/2007 6:00	722	26	284	1032	30.0%
4/27/2007 7:00	980	53	296	1329	26.3%
4/27/2007 8:00	1001	84	334	1419	29.5%
4/27/2007 9:00	763	87	414	1264	39.6%
4/27/2007 10:00	828	68	425	1321	37.3%
4/27/2007 11:00	1054	80	404	1538	31.5%
4/27/2007 12:00	1187	77	426	1690	29.8%
4/27/2007 13:00	1185	74	440	1699	30.3%
4/27/2007 14:00	1251	73	404	1728	27.6%
4/27/2007 15:00	1530	73	402	2005	23.7%
4/27/2007 16:00	1471	68	363	1902	22.7%
4/27/2007 17:00	1375	46	416	1837	25.1%
4/27/2007 18:00	1239	49	369	1657	25.2%
4/27/2007 19:00	899	25	322	1246	27.8%
4/27/2007 20:00	708	22	308	1038	31.8%
4/27/2007 21:00	629	20	298	947	33.6%
4/27/2007 22:00	632	16	255	903	30.0%
4/27/2007 23:00	451	15	265	731	38.3%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/28/2007 0:00	264	9	191	464	43.1%
4/28/2007 1:00	151	12	149	312	51.6%
4/28/2007 2:00	135	5	132	272	50.4%
4/28/2007 3:00	95	9	102	206	53.9%
4/28/2007 4:00	100	8	103	211	52.6%
4/28/2007 5:00	189	12	116	317	40.4%
4/28/2007 6:00	330	13	129	472	30.1%
4/28/2007 7:00	436	22	160	618	29.4%
4/28/2007 8:00	685	38	216	939	27.1%
4/28/2007 9:00	821	38	209	1068	23.1%
4/28/2007 10:00	1079	49	228	1356	20.4%
4/28/2007 11:00	1237	51	236	1524	18.8%
4/28/2007 12:00	1370	64	232	1666	17.8%
4/28/2007 13:00	1277	54	207	1538	17.0%
4/28/2007 14:00	1484	42	224	1750	15.2%
4/28/2007 15:00	1253	26	230	1509	17.0%
4/28/2007 16:00	1265	42	198	1505	15.9%
4/28/2007 17:00	1111	30	219	1360	18.3%
4/28/2007 18:00	1128	34	172	1334	15.4%
4/28/2007 19:00	892	23	173	1088	18.0%
4/28/2007 20:00	671	12	159	842	20.3%
4/28/2007 21:00	666	8	139	813	18.1%
4/28/2007 22:00	521	7	135	663	21.4%
4/28/2007 23:00	404	13	93	510	20.8%
4/29/2007 0:00	312	4	70	386	19.2%
4/29/2007 1:00	164	6	57	227	27.8%
4/29/2007 2:00	116	10	63	189	38.6%
4/29/2007 3:00	105	6	33	144	27.1%
4/29/2007 4:00	68	5	49	122	44.3%
4/29/2007 5:00	104	5	45	154	32.5%
4/29/2007 6:00	210	13	72	295	28.8%
4/29/2007 7:00	246	11	101	358	31.3%
4/29/2007 8:00	476	16	132	624	23.7%
4/29/2007 9:00	727	23	131	881	17.5%
4/29/2007 10:00	959	26	165	1150	16.6%
4/29/2007 11:00	1199	39	195	1433	16.3%
4/29/2007 12:00	1458	46	215	1719	15.2%
4/29/2007 13:00	1364	34	209	1607	15.1%
4/29/2007 14:00	1338	23	224	1585	15.6%
4/29/2007 15:00	1284	38	249	1571	18.3%
4/29/2007 16:00	1200	34	258	1492	19.6%
4/29/2007 17:00	1146	28	253	1427	19.7%
4/29/2007 18:00	963	36	280	1279	24.7%
4/29/2007 19:00	809	18	256	1083	25.3%
4/29/2007 20:00	783	24	261	1068	26.7%
4/29/2007 21:00	620	23	232	875	29.1%
4/29/2007 22:00	452	25	192	669	32.4%
4/29/2007 23:00	278	13	210	501	44.5%
4/30/2007 0:00	147	11	167	325	54.8%
4/30/2007 1:00	65	8	128	201	67.7%
4/30/2007 2:00	64	7	156	227	71.8%
4/30/2007 3:00	61	11	150	222	72.5%
4/30/2007 4:00	83	15	154	252	67.1%
4/30/2007 5:00	276	16	198	490	43.7%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
4/30/2007 6:00	756	41	277	1074	29.6%
4/30/2007 7:00	1040	68	281	1389	25.1%
4/30/2007 8:00	946	78	316	1340	29.4%
4/30/2007 9:00	754	66	324	1144	34.1%
4/30/2007 10:00	847	93	377	1317	35.7%
4/30/2007 11:00	854	89	357	1300	34.3%
4/30/2007 12:00	906	74	375	1355	33.1%
4/30/2007 13:00	873	88	393	1354	35.5%
4/30/2007 14:00	1052	96	466	1614	34.8%
4/30/2007 15:00	1318	83	422	1823	27.7%
4/30/2007 16:00	1277	67	425	1769	27.8%
4/30/2007 17:00	1184	56	528	1768	33.0%
4/30/2007 18:00	1029	47	424	1500	31.4%
4/30/2007 19:00	773	22	459	1254	38.4%
4/30/2007 20:00	596	27	435	1058	43.7%
4/30/2007 21:00	501	24	361	886	43.5%
4/30/2007 22:00	381	19	463	863	55.9%
4/30/2007 23:00	267	11	322	600	55.5%
5/1/2007 0:00	137	11	279	427	67.9%
5/1/2007 1:00	81	11	233	325	75.1%
5/1/2007 2:00	68	15	198	281	75.8%
5/1/2007 3:00	57	3	195	255	77.6%
5/1/2007 4:00	75	12	237	324	76.9%
5/1/2007 5:00	270	21	275	566	52.3%
5/1/2007 6:00	767	34	301	1102	30.4%
5/1/2007 7:00	1005	68	373	1446	30.5%
5/1/2007 8:00	941	69	385	1395	32.5%
5/1/2007 9:00	722	68	420	1210	40.3%
5/1/2007 10:00	735	56	441	1232	40.3%
5/1/2007 11:00	763	77	481	1321	42.2%
5/1/2007 12:00	900	52	491	1443	37.6%
5/1/2007 13:00	822	90	505	1417	42.0%
5/1/2007 14:00	971	87	471	1529	36.5%
5/1/2007 15:00	1250	68	484	1802	30.6%
5/1/2007 16:00	1182	68	493	1743	32.2%
5/1/2007 17:00	1057	51	512	1620	34.8%
5/1/2007 18:00	889	40	496	1425	37.6%
5/1/2007 19:00	680	24	482	1186	42.7%
5/1/2007 20:00	511	28	404	943	45.8%
5/1/2007 21:00	444	17	436	897	50.5%
5/1/2007 22:00	348	16	405	769	54.7%
5/1/2007 23:00	274	14	352	640	57.2%
5/2/2007 0:00	148	12	290	450	67.1%
5/2/2007 1:00	91	20	208	319	71.5%
5/2/2007 2:00	57	10	199	266	78.6%
5/2/2007 3:00	50	10	216	276	81.9%
5/2/2007 4:00	64	5	215	284	77.5%
5/2/2007 5:00	251	23	271	545	53.9%
5/2/2007 6:00	779	31	299	1109	29.8%
5/2/2007 7:00	1015	55	348	1418	28.4%
5/2/2007 8:00	947	96	408	1451	34.7%
5/2/2007 9:00	748	57	454	1259	40.6%
5/2/2007 10:00	718	83	442	1243	42.2%
5/2/2007 11:00	799	52	519	1370	41.7%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/2/2007 12:00	833	80	459	1372	39.3%
5/2/2007 13:00	789	74	530	1393	43.4%
5/2/2007 14:00	1010	85	490	1585	36.3%
5/2/2007 15:00	1239	89	458	1786	30.6%
5/2/2007 16:00	1224	61	539	1824	32.9%
5/2/2007 17:00	1254	63	493	1810	30.7%
5/2/2007 18:00	1004	34	517	1555	35.4%
5/2/2007 19:00	734	26	471	1231	40.4%
5/2/2007 20:00	673	27	457	1157	41.8%
5/2/2007 21:00	515	29	440	984	47.7%
5/2/2007 22:00	427	16	369	812	47.4%
5/2/2007 23:00	276	20	332	628	56.1%
5/3/2007 0:00	160	16	270	446	64.1%
5/3/2007 1:00	88	13	249	350	74.9%
5/3/2007 2:00	77	13	187	277	72.2%
5/3/2007 3:00	50	17	201	268	81.3%
5/3/2007 4:00	71	14	204	289	75.4%
5/3/2007 5:00	162	24	251	437	62.9%
5/3/2007 6:00	588	45	309	942	37.6%
5/3/2007 7:00	966	75	342	1383	30.2%
5/3/2007 8:00	934	82	355	1371	31.9%
5/3/2007 9:00	734	73	449	1256	41.6%
5/3/2007 10:00	692	82	411	1185	41.6%
5/3/2007 11:00	629	71	403	1103	43.0%
5/3/2007 12:00				0	#DIV/0!
5/3/2007 13:00	832	85	466	1383	39.8%
5/3/2007 14:00	980	90	483	1553	36.9%
5/3/2007 15:00	1343	102	502	1947	31.0%
5/3/2007 16:00	1329	64	488	1881	29.3%
5/3/2007 17:00	1256	55	489	1800	30.2%
5/3/2007 18:00	950	34	456	1440	34.0%
5/3/2007 19:00	763	23	413	1199	36.4%
5/3/2007 20:00	623	38	404	1065	41.5%
5/3/2007 21:00	547	18	377	942	41.9%
5/3/2007 22:00	415	12	374	801	48.2%
5/3/2007 23:00	333	14	314	661	49.6%
5/4/2007 0:00	151	10	246	407	62.9%
5/4/2007 1:00	97	12	278	387	74.9%
5/4/2007 2:00	88	11	194	293	70.0%
5/4/2007 3:00	67	10	189	266	74.8%
5/4/2007 4:00	85	14	191	290	70.7%
5/4/2007 5:00	174	15	254	443	60.7%
5/4/2007 6:00	494	27	243	764	35.3%
5/4/2007 7:00	584	65	267	916	36.2%
5/4/2007 8:00	653	71	304	1028	36.5%
5/4/2007 9:00	527	69	332	928	43.2%
5/4/2007 10:00	632	66	367	1065	40.7%
5/4/2007 11:00	686	69	353	1108	38.1%
5/4/2007 12:00	751	81	393	1225	38.7%
5/4/2007 13:00	728	83	339	1150	36.7%
5/4/2007 14:00	903	64	388	1355	33.4%
5/4/2007 15:00	1415	83	377	1875	24.5%
5/4/2007 16:00	1518	55	334	1907	20.4%
5/4/2007 17:00	1431	41	357	1829	21.8%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/4/2007 18:00	1173	39	390	1602	26.8%
5/4/2007 19:00	736	29	358	1123	34.5%
5/4/2007 20:00	670	29	302	1001	33.1%
5/4/2007 21:00	674	30	312	1016	33.7%
5/4/2007 22:00	478	17	266	761	37.2%
5/4/2007 23:00	340	16	255	611	44.4%
5/5/2007 0:00	217	7	201	425	48.9%
5/5/2007 1:00	128	7	165	300	57.3%
5/5/2007 2:00	102	5	126	233	56.2%
5/5/2007 3:00	60	10	94	164	63.4%
5/5/2007 4:00	66	7	108	181	63.5%
5/5/2007 5:00	129	15	119	263	51.0%
5/5/2007 6:00	320	21	120	461	30.6%
5/5/2007 7:00	426	29	174	629	32.3%
5/5/2007 8:00	610	32	201	843	27.6%
5/5/2007 9:00	667	28	195	890	25.1%
5/5/2007 10:00	846	39	217	1102	23.2%
5/5/2007 11:00	1163	44	272	1479	21.4%
5/5/2007 12:00	1301	43	241	1585	17.9%
5/5/2007 13:00	1193	33	226	1452	17.8%
5/5/2007 14:00	1255	33	217	1505	16.6%
5/5/2007 15:00	1260	46	199	1505	16.3%
5/5/2007 16:00	1199	21	204	1424	15.8%
5/5/2007 17:00	1126	18	189	1333	15.5%
5/5/2007 18:00	941	22	189	1152	18.3%
5/5/2007 19:00	746	15	165	926	19.4%
5/5/2007 20:00	458	12	140	610	24.9%
5/5/2007 21:00	477	7	136	620	23.1%
5/5/2007 22:00	341	16	112	469	27.3%
5/5/2007 23:00	322	11	104	437	26.3%
5/6/2007 0:00	211	9	52	272	22.4%
5/6/2007 1:00	148	3	61	212	30.2%
5/6/2007 2:00	101	1	40	142	28.9%
5/6/2007 3:00	65	6	44	115	43.5%
5/6/2007 4:00	60	3	36	99	39.4%
5/6/2007 5:00	99	5	46	150	34.0%
5/6/2007 6:00	182	7	47	236	22.9%
5/6/2007 7:00	304	3	69	376	19.1%
5/6/2007 8:00	544	17	114	675	19.4%
5/6/2007 9:00	675	16	134	825	18.2%
5/6/2007 10:00	1060	13	137	1210	12.4%
5/6/2007 11:00	1139	22	176	1337	14.8%
5/6/2007 12:00	1381	20	199	1600	13.7%
5/6/2007 13:00	1355	28	222	1605	15.6%
5/6/2007 14:00	1310	24	214	1548	15.4%
5/6/2007 15:00	1228	20	240	1488	17.5%
5/6/2007 16:00	1236	30	247	1513	18.3%
5/6/2007 17:00	1121	26	271	1418	20.9%
5/6/2007 18:00	991	19	240	1250	20.7%
5/6/2007 19:00	596	21	218	835	28.6%
5/6/2007 20:00	435	19	222	676	35.7%
5/6/2007 21:00	384	17	195	596	35.6%
5/6/2007 22:00	299	15	188	502	40.4%
5/6/2007 23:00	212	13	159	384	44.8%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/7/2007 0:00	106	3	140	249	57.4%
5/7/2007 1:00	70	9	129	208	66.3%
5/7/2007 2:00	41	9	108	158	74.1%
5/7/2007 3:00	59	9	141	209	71.8%
5/7/2007 4:00	70	16	140	226	69.0%
5/7/2007 5:00	202	16	191	409	50.6%
5/7/2007 6:00	549	40	221	810	32.2%
5/7/2007 7:00	594	70	265	929	36.1%
5/7/2007 8:00	653	81	306	1040	37.2%
5/7/2007 9:00	537	89	314	940	42.9%
5/7/2007 10:00	635	79	277	991	35.9%
5/7/2007 11:00	803	73	327	1203	33.3%
5/7/2007 12:00	782	67	411	1260	37.9%
5/7/2007 13:00	842	82	415	1339	37.1%
5/7/2007 14:00	974	78	416	1468	33.7%
5/7/2007 15:00	1305	58	457	1820	28.3%
5/7/2007 16:00	1213	70	477	1760	31.1%
5/7/2007 17:00	1246	47	461	1754	29.0%
5/7/2007 18:00	964	33	448	1445	33.3%
5/7/2007 19:00	732	35	449	1216	39.8%
5/7/2007 20:00	605	23	434	1062	43.0%
5/7/2007 21:00	388	19	338	745	47.9%
5/7/2007 22:00	328	13	367	708	53.7%
5/7/2007 23:00	230	9	317	556	58.6%
5/8/2007 0:00	118	10	243	371	68.2%
5/8/2007 1:00	67	13	220	300	77.7%
5/8/2007 2:00	71	12	221	304	76.6%
5/8/2007 3:00	56	9	205	270	79.3%
5/8/2007 4:00	77	14	188	279	72.4%
5/8/2007 5:00	222	19	247	488	54.5%
5/8/2007 6:00	733	47	294	1074	31.8%
5/8/2007 7:00	938	60	344	1342	30.1%
5/8/2007 8:00	688	61	359	1108	37.9%
5/8/2007 9:00	569	72	348	989	42.5%
5/8/2007 10:00	451	67	398	916	50.8%
5/8/2007 11:00	678	57	477	1212	44.1%
5/8/2007 12:00	848	70	485	1403	39.6%
5/8/2007 13:00	848	76	479	1403	39.6%
5/8/2007 14:00	921	83	484	1488	38.1%
5/8/2007 15:00	1168	89	507	1764	33.8%
5/8/2007 16:00	1253	61	493	1807	30.7%
5/8/2007 17:00	1188	50	516	1754	32.3%
5/8/2007 18:00	992	42	497	1531	35.2%
5/8/2007 19:00	747	38	444	1229	39.2%
5/8/2007 20:00	688	23	461	1172	41.3%
5/8/2007 21:00	582	24	426	1032	43.6%
5/8/2007 22:00	437	15	385	837	47.8%
5/8/2007 23:00	265	13	341	619	57.2%
5/9/2007 0:00	165	10	251	426	61.3%
5/9/2007 1:00	84	13	233	330	74.5%
5/9/2007 2:00	57	11	205	273	79.1%
5/9/2007 3:00	59	6	212	277	78.7%
5/9/2007 4:00	75	14	218	307	75.6%
5/9/2007 5:00	234	11	299	544	57.0%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/9/2007 6:00	795	36	307	1138	30.1%
5/9/2007 7:00	930	52	338	1320	29.5%
5/9/2007 8:00	944	81	425	1450	34.9%
5/9/2007 9:00	720	69	447	1236	41.7%
5/9/2007 10:00	713	57	447	1217	41.4%
5/9/2007 11:00	779	59	481	1319	40.9%
5/9/2007 12:00	743	74	540	1357	45.2%
5/9/2007 13:00	801	66	539	1406	43.0%
5/9/2007 14:00	902	84	518	1504	40.0%
5/9/2007 15:00	1166	60	485	1711	31.9%
5/9/2007 16:00	1157	68	502	1727	33.0%
5/9/2007 17:00	1198	40	528	1766	32.2%
5/9/2007 18:00	952	41	541	1534	37.9%
5/9/2007 19:00	667	31	502	1200	44.4%
5/9/2007 20:00	593	22	445	1060	44.1%
5/9/2007 21:00	533	21	413	967	44.9%
5/9/2007 22:00	373	21	371	765	51.2%
5/9/2007 23:00	270	15	349	634	57.4%
5/10/2007 0:00	132	22	242	396	66.7%
5/10/2007 1:00	86	13	234	333	74.2%
5/10/2007 2:00	54	12	191	257	79.0%
5/10/2007 3:00	58	3	180	241	75.9%
5/10/2007 4:00	68	20	229	317	78.5%
5/10/2007 5:00	267	38	310	615	56.6%
5/10/2007 6:00	837	43	294	1174	28.7%
5/10/2007 7:00	1049	57	316	1422	26.2%
5/10/2007 8:00	950	83	390	1423	33.2%
5/10/2007 9:00	760	63	406	1229	38.2%
5/10/2007 10:00	779	73	460	1312	40.6%
5/10/2007 11:00	827	80	453	1360	39.2%
5/10/2007 12:00	935	74	492	1501	37.7%
5/10/2007 13:00	925	71	473	1469	37.0%
5/10/2007 14:00	1050	76	467	1593	34.1%
5/10/2007 15:00	1298	72	423	1793	27.6%
5/10/2007 16:00	1323	69	512	1904	30.5%
5/10/2007 17:00	1342	44	521	1907	29.6%
5/10/2007 18:00	1130	49	456	1635	30.9%
5/10/2007 19:00	876	35	446	1357	35.4%
5/10/2007 20:00	757	26	459	1242	39.0%
5/10/2007 21:00	651	15	380	1046	37.8%
5/10/2007 22:00	433	13	326	772	43.9%
5/10/2007 23:00	315	14	311	640	50.8%
5/11/2007 0:00	177	18	266	461	61.6%
5/11/2007 1:00	130	20	223	373	65.1%
5/11/2007 2:00	79	19	186	284	72.2%
5/11/2007 3:00	75	7	243	325	76.9%
5/11/2007 4:00	97	12	217	326	70.2%
5/11/2007 5:00	302	19	218	539	44.0%
5/11/2007 6:00	800	45	313	1158	30.9%
5/11/2007 7:00	910	58	295	1263	27.9%
5/11/2007 8:00	871	63	393	1327	34.4%
5/11/2007 9:00	739	71	384	1194	38.1%
5/11/2007 10:00	832	68	366	1266	34.3%
5/11/2007 11:00	930	70	406	1406	33.9%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/11/2007 12:00	1099	64	431	1594	31.1%
5/11/2007 13:00	1162	58	375	1595	27.1%
5/11/2007 14:00	1231	63	413	1707	27.9%
5/11/2007 15:00	1362	69	422	1853	26.5%
5/11/2007 16:00	1454	71	399	1924	24.4%
5/11/2007 17:00	1299	55	373	1727	24.8%
5/11/2007 18:00	1093	33	346	1472	25.7%
5/11/2007 19:00	952	42	321	1315	27.6%
5/11/2007 20:00	740	25	292	1057	30.0%
5/11/2007 21:00	615	26	319	960	35.9%
5/11/2007 22:00	566	21	288	875	35.3%
5/11/2007 23:00	441	23	253	717	38.5%
5/12/2007 0:00	264	14	202	480	45.0%
5/12/2007 1:00	161	11	153	325	50.5%
5/12/2007 2:00	105	13	110	228	53.9%
5/12/2007 3:00	97	9	140	246	60.6%
5/12/2007 4:00	79	12	111	202	60.9%
5/12/2007 5:00	179	12	102	293	38.9%
5/12/2007 6:00	415	35	133	583	28.8%
5/12/2007 7:00	482	23	184	689	30.0%
5/12/2007 8:00	715	32	219	966	26.0%
5/12/2007 9:00	821	32	173	1026	20.0%
5/12/2007 10:00	963	50	229	1242	22.5%
5/12/2007 11:00	1182	34	204	1420	16.8%
5/12/2007 12:00	1217	37	262	1516	19.7%
5/12/2007 13:00	1110	26	239	1375	19.3%
5/12/2007 14:00	1233	33	240	1506	18.1%
5/12/2007 15:00	1192	23	190	1405	15.2%
5/12/2007 16:00	1188	26	191	1405	15.4%
5/12/2007 17:00	1055	29	201	1285	17.9%
5/12/2007 18:00	883	27	198	1108	20.3%
5/12/2007 19:00	711	18	174	903	21.3%
5/12/2007 20:00	554	20	159	733	24.4%
5/12/2007 21:00	552	10	122	684	19.3%
5/12/2007 22:00	471	10	134	615	23.4%
5/12/2007 23:00	285	3	97	385	26.0%
5/13/2007 0:00	212	1	69	282	24.8%
5/13/2007 1:00	135	5	57	197	31.5%
5/13/2007 2:00	110	2	53	165	33.3%
5/13/2007 3:00	88	2	47	137	35.8%
5/13/2007 4:00	63	2	33	98	35.7%
5/13/2007 5:00	64	4	52	120	46.7%
5/13/2007 6:00	155	5	73	233	33.5%
5/13/2007 7:00	217	8	85	310	30.0%
5/13/2007 8:00	385	15	105	505	23.8%
5/13/2007 9:00	671	17	145	833	19.4%
5/13/2007 10:00	1065	22	166	1253	15.0%
5/13/2007 11:00	1137	30	184	1351	15.8%
5/13/2007 12:00	1412	31	196	1639	13.8%
5/13/2007 13:00	1366	45	195	1606	14.9%
5/13/2007 14:00	1386	23	195	1604	13.6%
5/13/2007 15:00	1278	27	223	1528	16.4%
5/13/2007 16:00	1197	35	226	1458	17.9%
5/13/2007 17:00	1144	23	235	1402	18.4%



## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/13/2007 18:00	952	13	226	1191	20.1%
5/13/2007 19:00	854	24	231	1109	23.0%
5/13/2007 20:00	683	22	195	900	24.1%
5/13/2007 21:00	363	13	196	572	36.5%
5/13/2007 22:00	349	25	182	556	37.2%
5/13/2007 23:00	286	7	156	449	36.3%
5/14/2007 0:00	135	12	135	282	52.1%
5/14/2007 1:00	72	9	149	230	68.7%
5/14/2007 2:00	35	11	116	162	78.4%
5/14/2007 3:00	45	17	124	186	75.8%
5/14/2007 4:00	69	10	150	229	69.9%
5/14/2007 5:00	281	16	216	513	45.2%
5/14/2007 6:00	791	33	257	1081	26.8%
5/14/2007 7:00	1014	66	319	1399	27.5%
5/14/2007 8:00	944	58	270	1272	25.8%
5/14/2007 9:00	710	71	307	1088	34.7%
5/14/2007 10:00	747	72	279	1098	32.0%
5/14/2007 11:00	639	51	344	1034	38.2%
5/14/2007 12:00	811	58	351	1220	33.5%
5/14/2007 13:00	732	59	402	1193	38.6%
5/14/2007 14:00	964	80	402	1446	33.3%
5/14/2007 15:00	1207	65	408	1680	28.2%
5/14/2007 16:00	1273	57	491	1821	30.1%
5/14/2007 17:00	1142	52	441	1635	30.2%
5/14/2007 18:00	993	36	499	1528	35.0%
5/14/2007 19:00	712	36	433	1181	39.7%
5/14/2007 20:00	601	19	403	1023	41.3%
5/14/2007 21:00	545	16	377	938	41.9%
5/14/2007 22:00	408	14	386	808	49.5%
5/14/2007 23:00	249	13	359	621	59.9%
5/15/2007 0:00	143	11	262	416	65.6%
5/15/2007 1:00	89	11	213	313	71.6%
5/15/2007 2:00	50	8	195	253	80.2%
5/15/2007 3:00	62	8	207	277	77.6%
5/15/2007 4:00	74	17	220	311	76.2%
5/15/2007 5:00	270	20	249	539	49.9%
5/15/2007 6:00	809	38	336	1183	31.6%
5/15/2007 7:00	1009	68	346	1423	29.1%
5/15/2007 8:00	987	57	373	1417	30.3%
5/15/2007 9:00	722	65	449	1236	41.6%
5/15/2007 10:00	706	72	467	1245	43.3%
5/15/2007 11:00	744	71	436	1251	40.5%
5/15/2007 12:00	891	60	519	1470	39.4%
5/15/2007 13:00	793	58	445	1296	38.8%
5/15/2007 14:00	1006	83	524	1613	37.6%
5/15/2007 15:00	1290	68	455	1813	28.8%
5/15/2007 16:00	1190	65	457	1712	30.5%
5/15/2007 17:00	1131	37	485	1653	31.6%
5/15/2007 18:00	939	39	463	1441	34.8%
5/15/2007 19:00	704	32	478	1214	42.0%
5/15/2007 20:00	506	25	456	987	48.7%
5/15/2007 21:00	504	13	401	918	45.1%
5/15/2007 22:00	346	23	429	798	56.6%
5/15/2007 23:00	291	12	303	606	52.0%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/16/2007 0:00	150	7	262	419	64.2%
5/16/2007 1:00	88	10	244	342	74.3%
5/16/2007 2:00	57	9	175	241	76.3%
5/16/2007 3:00	62	7	209	278	77.7%
5/16/2007 4:00	75	15	201	291	74.2%
5/16/2007 5:00	277	20	272	569	51.3%
5/16/2007 6:00	814	38	330	1182	31.1%
5/16/2007 7:00	950	64	323	1337	28.9%
5/16/2007 8:00	969	73	425	1467	33.9%
5/16/2007 9:00	740	76	455	1271	41.8%
5/16/2007 10:00	686	79	487	1252	45.2%
5/16/2007 11:00	783	82	464	1329	41.1%
5/16/2007 12:00	840	76	499	1415	40.6%
5/16/2007 13:00	782	80	473	1335	41.4%
5/16/2007 14:00	1000	95	465	1560	35.9%
5/16/2007 15:00	1284	78	492	1854	30.7%
5/16/2007 16:00	1252	71	544	1867	32.9%
5/16/2007 17:00	1304	50	519	1873	30.4%
5/16/2007 18:00	1045	38	503	1586	34.1%
5/16/2007 19:00	763	24	451	1238	38.4%
5/16/2007 20:00	611	19	477	1107	44.8%
5/16/2007 21:00	580	17	402	999	41.9%
5/16/2007 22:00	404	22	393	819	50.7%
5/16/2007 23:00	218	9	326	553	60.6%
5/17/2007 0:00	122	12	246	380	67.9%
5/17/2007 1:00	76	19	212	307	75.2%
5/17/2007 2:00	62	20	195	277	77.6%
5/17/2007 3:00	58	11	206	275	78.9%
5/17/2007 4:00	77	15	222	314	75.5%
5/17/2007 5:00	262	22	252	536	51.1%
5/17/2007 6:00	852	43	323	1218	30.0%
5/17/2007 7:00	931	70	333	1334	30.2%
5/17/2007 8:00	1028	79	372	1479	30.5%
5/17/2007 9:00	765	60	431	1256	39.1%
5/17/2007 10:00	465	56	294	815	42.9%
5/17/2007 11:00	350	36	164	550	36.4%
5/17/2007 12:00	427	33	150	610	30.0%
5/17/2007 13:00	463	39	152	654	29.2%
5/17/2007 14:00				0	#DIV/0!
5/17/2007 15:00	1235	80	457	1772	30.3%
5/17/2007 16:00	1191	72	481	1744	31.7%
5/17/2007 17:00	1339	40	505	1884	28.9%
5/17/2007 18:00	1116	42	486	1644	32.1%
5/17/2007 19:00	775	29	414	1218	36.4%
5/17/2007 20:00	663	20	408	1091	39.2%
5/17/2007 21:00	609	17	339	965	36.9%
5/17/2007 22:00	441	21	390	852	48.2%
5/17/2007 23:00	239	18	271	528	54.7%
5/18/2007 0:00	157	14	246	417	62.4%
5/18/2007 1:00	92	9	218	319	71.2%
5/18/2007 2:00	86	12	167	265	67.5%
5/18/2007 3:00	61	11	168	240	74.6%
5/18/2007 4:00	74	10	216	300	75.3%
5/18/2007 5:00	207	20	224	451	54.1%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/18/2007 6:00	730	32	275	1037	29.6%
5/18/2007 7:00	905	58	298	1261	28.2%
5/18/2007 8:00	892	65	303	1260	29.2%
5/18/2007 9:00	620	73	353	1046	40.7%
5/18/2007 10:00	677	49	325	1051	35.6%
5/18/2007 11:00	967	92	368	1427	32.2%
5/18/2007 12:00	1132	80	406	1618	30.0%
5/18/2007 13:00	1071	86	379	1536	30.3%
5/18/2007 14:00	1224	99	382	1705	28.2%
5/18/2007 15:00	1531	84	338	1953	21.6%
5/18/2007 16:00	1476	73	383	1932	23.6%
5/18/2007 17:00	1372	69	355	1796	23.6%
5/18/2007 18:00	1140	35	327	1502	24.1%
5/18/2007 19:00	934	32	351	1317	29.1%
5/18/2007 20:00	733	35	303	1071	31.6%
5/18/2007 21:00	530	40	271	841	37.0%
5/18/2007 22:00	387	16	228	631	38.7%
5/18/2007 23:00	319	16	207	542	41.1%
5/19/2007 0:00	189	21	210	420	55.0%
5/19/2007 1:00	145	7	142	294	50.7%
5/19/2007 2:00	121	15	123	259	53.3%
5/19/2007 3:00	65	11	99	175	62.9%
5/19/2007 4:00	75	8	79	162	53.7%
5/19/2007 5:00	128	15	114	257	50.2%
5/19/2007 6:00	288	22	110	420	31.4%
5/19/2007 7:00	373	24	137	534	30.1%
5/19/2007 8:00	493	42	181	716	31.1%
5/19/2007 9:00	586	33	168	787	25.5%
5/19/2007 10:00	683	54	221	958	28.7%
5/19/2007 11:00	857	23	193	1073	20.1%
5/19/2007 12:00	903	25	187	1115	19.0%
5/19/2007 13:00	852	36	249	1137	25.1%
5/19/2007 14:00	966	29	221	1216	20.6%
5/19/2007 15:00	1153	30	174	1357	15.0%
5/19/2007 16:00	1018	16	222	1256	18.9%
5/19/2007 17:00	1003	17	187	1207	16.9%
5/19/2007 18:00	850	23	204	1077	21.1%
5/19/2007 19:00	685	13	142	840	18.5%
5/19/2007 20:00	549	10	198	757	27.5%
5/19/2007 21:00	459	11	134	604	24.0%
5/19/2007 22:00	368	11	106	485	24.1%
5/19/2007 23:00	282	3	89	374	24.6%
5/20/2007 0:00	210	2	71	283	25.8%
5/20/2007 1:00	145	5	34	184	21.2%
5/20/2007 2:00	134	1	47	182	26.4%
5/20/2007 3:00	107	1	40	148	27.7%
5/20/2007 4:00	87	3	45	135	35.6%
5/20/2007 5:00	89	8	53	150	40.7%
5/20/2007 6:00	211	6	54	271	22.1%
5/20/2007 7:00	253	10	103	366	30.9%
5/20/2007 8:00	421	16	92	529	20.4%
5/20/2007 9:00	678	12	142	832	18.5%
5/20/2007 10:00	917	18	154	1089	15.8%
5/20/2007 11:00	1031	17	160	1208	14.7%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/20/2007 12:00	1296	16	186	1498	13.5%
5/20/2007 13:00	1227	29	172	1428	14.1%
5/20/2007 14:00	1274	19	212	1505	15.3%
5/20/2007 15:00	1219	13	198	1430	14.8%
5/20/2007 16:00	1094	22	213	1329	17.7%
5/20/2007 17:00	961	19	213	1193	19.4%
5/20/2007 18:00	894	11	198	1103	18.9%
5/20/2007 19:00	819	12	229	1060	22.7%
5/20/2007 20:00	595	17	178	790	24.7%
5/20/2007 21:00	508	8	173	689	26.3%
5/20/2007 22:00	416	13	138	567	26.6%
5/20/2007 23:00	326	7	125	458	28.8%
5/21/2007 0:00	207	4	108	319	35.1%
5/21/2007 1:00	123	9	83	215	42.8%
5/21/2007 2:00	93	12	92	197	52.8%
5/21/2007 3:00	71	6	68	145	51.0%
5/21/2007 4:00	77	7	98	182	57.7%
5/21/2007 5:00	113	6	110	229	50.7%
5/21/2007 6:00	237	17	161	415	42.9%
5/21/2007 7:00	301	13	181	495	39.2%
5/21/2007 8:00	372	18	203	593	37.3%
5/21/2007 9:00	593	20	209	822	27.9%
5/21/2007 10:00	768	17	220	1005	23.6%
5/21/2007 11:00	892	39	250	1181	24.5%
5/21/2007 12:00	938	35	236	1209	22.4%
5/21/2007 13:00	1025	31	290	1346	23.8%
5/21/2007 14:00	1058	39	279	1376	23.1%
5/21/2007 15:00	1173	30	335	1538	23.7%
5/21/2007 16:00	1077	34	330	1441	25.3%
5/21/2007 17:00	1100	30	314	1444	23.8%
5/21/2007 18:00	958	32	292	1282	25.3%
5/21/2007 19:00	822	27	277	1126	27.0%
5/21/2007 20:00	684	18	306	1008	32.1%
5/21/2007 21:00	502	17	258	777	35.4%
5/21/2007 22:00	447	17	260	724	38.3%
5/21/2007 23:00	298	16	218	532	44.0%
5/22/2007 0:00	167	11	195	373	55.2%
5/22/2007 1:00	60	10	163	233	74.2%
5/22/2007 2:00	60	10	152	222	73.0%
5/22/2007 3:00	73	4	170	247	70.4%
5/22/2007 4:00	71	14	176	261	72.8%
5/22/2007 5:00	174	17	177	368	52.7%
5/22/2007 6:00	582	52	252	886	34.3%
5/22/2007 7:00	945	66	295	1306	27.6%
5/22/2007 8:00	931	98	297	1326	29.8%
5/22/2007 9:00	774	51	364	1189	34.9%
5/22/2007 10:00	707	60	376	1143	38.1%
5/22/2007 11:00	816	63	421	1300	37.2%
5/22/2007 12:00	931	67	433	1431	34.9%
5/22/2007 13:00	845	70	412	1327	36.3%
5/22/2007 14:00	977	77	418	1472	33.6%
5/22/2007 15:00	1174	69	406	1649	28.8%
5/22/2007 16:00	1161	50	463	1674	30.6%
5/22/2007 17:00	1192	52	475	1719	30.7%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/22/2007 18:00	1033	37	473	1543	33.1%
5/22/2007 19:00	754	34	476	1264	40.3%
5/22/2007 20:00	692	34	484	1210	42.8%
5/22/2007 21:00	568	20	415	1003	43.4%
5/22/2007 22:00	464	23	395	882	47.4%
5/22/2007 23:00	290	13	386	689	57.9%
5/23/2007 0:00	157	9	268	434	63.8%
5/23/2007 1:00	79	9	229	317	75.1%
5/23/2007 2:00	67	14	228	309	78.3%
5/23/2007 3:00	57	12	202	271	79.0%
5/23/2007 4:00	74	12	197	283	73.9%
5/23/2007 5:00	240	26	254	520	53.8%
5/23/2007 6:00	843	36	316	1195	29.5%
5/23/2007 7:00	992	73	357	1422	30.2%
5/23/2007 8:00	902	84	368	1354	33.4%
5/23/2007 9:00	775	62	425	1262	38.6%
5/23/2007 10:00	837	83	419	1339	37.5%
5/23/2007 11:00	797	54	479	1330	40.1%
5/23/2007 12:00	867	58	463	1388	37.5%
5/23/2007 13:00	802	71	505	1378	41.8%
5/23/2007 14:00	1054	72	518	1644	35.9%
5/23/2007 15:00	1199	81	481	1761	31.9%
5/23/2007 16:00	1246	63	482	1791	30.4%
5/23/2007 17:00	1259	56	510	1825	31.0%
5/23/2007 18:00	998	44	497	1539	35.2%
5/23/2007 19:00	744	35	466	1245	40.2%
5/23/2007 20:00	703	26	493	1222	42.5%
5/23/2007 21:00	589	27	396	1012	41.8%
5/23/2007 22:00	469	22	397	888	47.2%
5/23/2007 23:00	273	24	354	651	58.1%
5/24/2007 0:00	154	9	250	413	62.7%
5/24/2007 1:00	84	13	253	350	76.0%
5/24/2007 2:00	71	11	227	309	77.0%
5/24/2007 3:00	71	11	188	270	73.7%
5/24/2007 4:00	83	19	223	325	74.5%
5/24/2007 5:00	247	20	245	512	51.8%
5/24/2007 6:00	840	50	297	1187	29.2%
5/24/2007 7:00	990	68	352	1410	29.8%
5/24/2007 8:00	994	88	381	1463	32.1%
5/24/2007 9:00	772	65	419	1256	38.5%
5/24/2007 10:00	766	72	446	1284	40.3%
5/24/2007 11:00	881	49	449	1379	36.1%
5/24/2007 12:00	921	76	478	1475	37.6%
5/24/2007 13:00	446	32	234	712	37.4%
5/24/2007 14:00				0	#DIV/0!
5/24/2007 15:00	1237	108	457	1802	31.4%
5/24/2007 16:00	1315	58	448	1821	27.8%
5/24/2007 17:00	1344	48	503	1895	29.1%
5/24/2007 18:00	1016	42	522	1580	35.7%
5/24/2007 19:00	757	25	399	1181	35.9%
5/24/2007 20:00	729	37	396	1162	37.3%
5/24/2007 21:00	624	23	431	1078	42.1%
5/24/2007 22:00	456	16	331	803	43.2%
5/24/2007 23:00	363	18	345	726	50.0%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/25/2007 0:00	172	14	274	460	62.6%
5/25/2007 1:00	84	16	205	305	72.5%
5/25/2007 2:00	74	8	175	257	71.2%
5/25/2007 3:00	69	15	184	268	74.3%
5/25/2007 4:00	92	26	215	333	72.4%
5/25/2007 5:00	151	23	251	425	64.5%
5/25/2007 6:00	495	44	255	794	37.7%
5/25/2007 7:00	593	61	280	934	36.5%
5/25/2007 8:00	633	74	298	1005	37.0%
5/25/2007 9:00	559	64	289	912	38.7%
5/25/2007 10:00	689	54	360	1103	37.5%
5/25/2007 11:00	727	65	309	1101	34.0%
5/25/2007 12:00	842	82	424	1348	37.5%
5/25/2007 13:00	812	93	379	1284	36.8%
5/25/2007 14:00	967	68	391	1426	32.2%
5/25/2007 15:00	1437	74	343	1854	22.5%
5/25/2007 16:00	1713	80	328	2121	19.2%
5/25/2007 17:00	1525	46	372	1943	21.5%
5/25/2007 18:00	1211	50	384	1645	26.4%
5/25/2007 19:00	872	40	352	1264	31.0%
5/25/2007 20:00	604	32	298	934	35.3%
5/25/2007 21:00	647	25	315	987	34.4%
5/25/2007 22:00	501	30	226	757	33.8%
5/25/2007 23:00	343	9	261	613	44.0%
5/26/2007 0:00	203	10	209	422	51.9%
5/26/2007 1:00	164	7	227	398	58.8%
5/26/2007 2:00	111	8	108	227	51.1%
5/26/2007 3:00	86	17	156	259	66.8%
5/26/2007 4:00	68	11	104	183	62.8%
5/26/2007 5:00	167	10	122	299	44.1%
5/26/2007 6:00	342	15	146	503	32.0%
5/26/2007 7:00	469	20	173	662	29.2%
5/26/2007 8:00	576	26	205	807	28.6%
5/26/2007 9:00	696	44	213	953	27.0%
5/26/2007 10:00	802	34	223	1059	24.3%
5/26/2007 11:00	1280	44	241	1565	18.2%
5/26/2007 12:00	1343	37	239	1619	17.0%
5/26/2007 13:00	1077	25	245	1347	20.0%
5/26/2007 14:00	1268	30	258	1556	18.5%
5/26/2007 15:00	1249	39	226	1514	17.5%
5/26/2007 16:00	1220	29	184	1433	14.9%
5/26/2007 17:00	1069	25	215	1309	18.3%
5/26/2007 18:00	986	27	194	1207	18.3%
5/26/2007 19:00	771	16	174	961	19.8%
5/26/2007 20:00	498	18	157	673	26.0%
5/26/2007 21:00	466	10	122	598	22.1%
5/26/2007 22:00	308	14	93	415	25.8%
5/26/2007 23:00	274	9	90	373	26.5%
5/27/2007 0:00	221	10	64	295	25.1%
5/27/2007 1:00	154	8	62	224	31.3%
5/27/2007 2:00	135	9	46	190	28.9%
5/27/2007 3:00	85	6	54	145	41.4%
5/27/2007 4:00	65	8	31	104	37.5%
5/27/2007 5:00	103	3	58	164	37.2%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/27/2007 6:00	191	5	54	250	23.6%
5/27/2007 7:00	275	5	89	369	25.5%
5/27/2007 8:00	505	20	139	664	23.9%
5/27/2007 9:00	670	16	159	845	20.7%
5/27/2007 10:00	919	8	165	1092	15.8%
5/27/2007 11:00	1069	19	152	1240	13.8%
5/27/2007 12:00	1420	17	188	1625	12.6%
5/27/2007 13:00	1247	20	200	1467	15.0%
5/27/2007 14:00	1269	28	258	1555	18.4%
5/27/2007 15:00	1225	24	254	1503	18.5%
5/27/2007 16:00	1205	47	263	1515	20.5%
5/27/2007 17:00	912	27	230	1169	22.0%
5/27/2007 18:00	856	27	234	1117	23.4%
5/27/2007 19:00	525	20	249	794	33.9%
5/27/2007 20:00	474	19	244	737	35.7%
5/27/2007 21:00	449	9	170	628	28.5%
5/27/2007 22:00	361	15	152	528	31.6%
5/27/2007 23:00	235	14	149	398	41.0%
5/28/2007 0:00	125	12	142	279	55.2%
5/28/2007 1:00	77	5	144	226	65.9%
5/28/2007 2:00	61	9	117	187	67.4%
5/28/2007 3:00	53	8	124	185	71.4%
5/28/2007 4:00	60	17	145	222	73.0%
5/28/2007 5:00	191	22	196	409	53.3%
5/28/2007 6:00	538	29	179	746	27.9%
5/28/2007 7:00	556	67	239	862	35.5%
5/28/2007 8:00	624	90	307	1021	38.9%
5/28/2007 9:00	549	81	249	879	37.5%
5/28/2007 10:00	704	68	232	1004	29.9%
5/28/2007 11:00	876	60	253	1189	26.3%
5/28/2007 12:00	892	59	375	1326	32.7%
5/28/2007 13:00	971	55	347	1373	29.3%
5/28/2007 14:00	1089	95	329	1513	28.0%
5/28/2007 15:00	1195	67	393	1655	27.8%
5/28/2007 16:00	1083	48	335	1466	26.1%
5/28/2007 17:00	1162	34	280	1476	21.3%
5/28/2007 18:00	954	32	341	1327	28.1%
5/28/2007 19:00	748	24	353	1125	33.5%
5/28/2007 20:00	565	24	288	877	35.6%
5/28/2007 21:00	386	20	236	642	39.9%
5/28/2007 22:00	346	17	232	595	41.8%
5/28/2007 23:00	188	13	237	438	57.1%
5/29/2007 0:00	110	13	189	312	64.7%
5/29/2007 1:00	75	11	197	283	73.5%
5/29/2007 2:00	58	8	169	235	75.3%
5/29/2007 3:00	57	8	146	211	73.0%
5/29/2007 4:00	93	10	174	277	66.4%
5/29/2007 5:00	228	18	213	459	50.3%
5/29/2007 6:00	748	54	247	1049	28.7%
5/29/2007 7:00	864	64	287	1215	28.9%
5/29/2007 8:00	697	60	306	1063	34.4%
5/29/2007 9:00	580	57	311	948	38.8%
5/29/2007 10:00	503	68	297	868	42.1%
5/29/2007 11:00	675	54	371	1100	38.6%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/29/2007 12:00	845	82	407	1334	36.7%
5/29/2007 13:00	787	90	458	1335	41.0%
5/29/2007 14:00	1012	85	476	1573	35.7%
5/29/2007 15:00	1156	84	475	1715	32.6%
5/29/2007 16:00	1188	56	469	1713	30.6%
5/29/2007 17:00	1265	47	439	1751	27.8%
5/29/2007 18:00	1144	39	443	1626	29.6%
5/29/2007 19:00	742	39	397	1178	37.0%
5/29/2007 20:00	726	21	424	1171	38.0%
5/29/2007 21:00	561	35	452	1048	46.5%
5/29/2007 22:00	436	14	383	833	47.7%
5/29/2007 23:00	265	10	334	609	56.5%
5/30/2007 0:00	138	16	278	432	68.1%
5/30/2007 1:00	81	13	230	324	75.0%
5/30/2007 2:00	52	6	187	245	78.8%
5/30/2007 3:00	77	10	224	311	75.2%
5/30/2007 4:00	86	12	232	330	73.9%
5/30/2007 5:00	237	19	322	578	59.0%
5/30/2007 6:00	783	42	323	1148	31.8%
5/30/2007 7:00	946	57	349	1352	30.0%
5/30/2007 8:00	939	85	421	1445	35.0%
5/30/2007 9:00	762	77	427	1266	39.8%
5/30/2007 10:00	765	62	447	1274	40.0%
5/30/2007 11:00	693	61	475	1229	43.6%
5/30/2007 12:00	780	84	498	1362	42.7%
5/30/2007 13:00	852	53	537	1442	40.9%
5/30/2007 14:00	894	80	528	1502	40.5%
5/30/2007 15:00	1315	56	463	1834	28.3%
5/30/2007 16:00	1102	70	504	1676	34.2%
5/30/2007 17:00	1165	50	505	1720	32.3%
5/30/2007 18:00	924	42	549	1515	39.0%
5/30/2007 19:00	681	30	474	1185	42.5%
5/30/2007 20:00	617	14	472	1103	44.1%
5/30/2007 21:00	543	18	363	924	41.2%
5/30/2007 22:00	421	10	405	836	49.6%
5/30/2007 23:00	247	7	374	628	60.7%
5/31/2007 0:00	139	18	307	464	70.0%
5/31/2007 1:00	77	9	230	316	75.6%
5/31/2007 2:00	84	15	182	281	70.1%
5/31/2007 3:00	85	12	176	273	68.9%
5/31/2007 4:00	67	19	192	278	75.9%
5/31/2007 5:00	279	25	311	615	54.6%
5/31/2007 6:00	814	33	284	1131	28.0%
5/31/2007 7:00	1064	74	302	1440	26.1%
5/31/2007 8:00	968	81	391	1440	32.8%
5/31/2007 9:00	704	99	440	1243	43.4%
5/31/2007 10:00	780	70	451	1301	40.0%
5/31/2007 11:00	733	81	490	1304	43.8%
5/31/2007 12:00	936	80	457	1473	36.5%
5/31/2007 13:00	960	77	532	1569	38.8%
5/31/2007 14:00	971	87	492	1550	37.4%
5/31/2007 15:00	1305	82	464	1851	29.5%
5/31/2007 16:00	1159	87	462	1708	32.1%
5/31/2007 17:00	1390	50	505	1945	28.5%



## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
5/31/2007 18:00	1153	44	440	1637	29.6%
5/31/2007 19:00	876	33	461	1370	36.1%
5/31/2007 20:00	782	19	470	1271	38.5%
5/31/2007 21:00	668	25	432	1125	40.6%
5/31/2007 22:00	453	14	383	850	46.7%
5/31/2007 23:00	308	26	319	653	52.8%
6/1/2007 0:00	167	29	223	419	60.1%
6/1/2007 1:00	98	14	231	343	71.4%
6/1/2007 2:00	75	21	208	304	75.3%
6/1/2007 3:00	92	5	193	290	68.3%
6/1/2007 4:00	89	10	207	306	70.9%
6/1/2007 5:00	299	20	229	548	45.4%
6/1/2007 6:00	795	47	309	1151	30.9%
6/1/2007 7:00	935	66	295	1296	27.9%
6/1/2007 8:00	878	78	399	1355	35.2%
6/1/2007 9:00	768	88	385	1241	38.1%
6/1/2007 10:00	753	67	394	1214	38.0%
6/1/2007 11:00	999	95	367	1461	31.6%
6/1/2007 12:00	1028	67	408	1503	31.6%
6/1/2007 13:00	1169	78	364	1611	27.4%
6/1/2007 14:00	1104	79	442	1625	32.1%
6/1/2007 15:00	1370	87	385	1842	25.6%
6/1/2007 16:00	1437	73	353	1863	22.9%
6/1/2007 17:00	1242	59	391	1692	26.6%
6/1/2007 18:00	1219	26	319	1564	22.1%
6/1/2007 19:00	984	21	306	1311	24.9%
6/1/2007 20:00	891	31	349	1271	29.9%
6/1/2007 21:00	638	29	322	989	35.5%
6/1/2007 22:00	523	29	283	835	37.4%
6/1/2007 23:00	435	24	262	721	39.7%
6/2/2007 0:00	270	18	225	513	47.4%
6/2/2007 1:00	176	22	171	369	52.3%
6/2/2007 2:00	95	15	126	236	59.7%
6/2/2007 3:00	88	14	152	254	65.4%
6/2/2007 4:00	91	11	82	184	50.5%
6/2/2007 5:00	174	19	133	326	46.6%
6/2/2007 6:00	418	38	123	579	27.8%
6/2/2007 7:00	456	24	204	684	33.3%
6/2/2007 8:00	706	40	208	954	26.0%
6/2/2007 9:00	776	34	193	1003	22.6%
6/2/2007 10:00	881	56	244	1181	25.4%
6/2/2007 11:00	1141	41	227	1409	19.0%
6/2/2007 12:00	1163	42	268	1473	21.0%
6/2/2007 13:00	1080	24	270	1374	21.4%
6/2/2007 14:00	1189	42	294	1525	22.0%
6/2/2007 15:00	1220	19	214	1453	16.0%
6/2/2007 16:00	1258	31	181	1470	14.4%
6/2/2007 17:00	1220	30	217	1467	16.8%
6/2/2007 18:00	853	31	213	1097	22.2%
6/2/2007 19:00	710	13	177	900	21.1%
6/2/2007 20:00	590	25	175	790	25.3%
6/2/2007 21:00	488	16	137	641	23.9%
6/2/2007 22:00	519	6	142	667	22.2%
6/2/2007 23:00	316	6	88	410	22.9%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/3/2007 0:00	221	11	82	314	29.6%
6/3/2007 1:00	146	5	72	223	34.5%
6/3/2007 2:00	83	2	70	155	46.5%
6/3/2007 3:00	77	7	61	145	46.9%
6/3/2007 4:00	67	6	62	135	50.4%
6/3/2007 5:00	82	10	70	162	49.4%
6/3/2007 6:00	151	5	79	235	35.7%
6/3/2007 7:00	219	9	88	316	30.7%
6/3/2007 8:00	352	11	124	487	27.7%
6/3/2007 9:00	607	18	159	784	22.6%
6/3/2007 10:00	888	27	186	1101	19.3%
6/3/2007 11:00	929	37	209	1175	20.9%
6/3/2007 12:00	1144	45	205	1394	17.9%
6/3/2007 13:00	1328	40	236	1604	17.2%
6/3/2007 14:00	1370	30	231	1631	16.0%
6/3/2007 15:00	1236	27	218	1481	16.5%
6/3/2007 16:00	1197	41	229	1467	18.4%
6/3/2007 17:00	1185	16	243	1444	17.9%
6/3/2007 18:00	965	16	225	1206	20.0%
6/3/2007 19:00	802	20	259	1081	25.8%
6/3/2007 20:00	732	20	198	950	22.9%
6/3/2007 21:00	358	15	204	577	38.0%
6/3/2007 22:00	371	12	236	619	40.1%
6/3/2007 23:00	234	7	156	397	41.1%
6/4/2007 0:00	106	15	158	279	62.0%
6/4/2007 1:00	72	13	144	229	68.6%
6/4/2007 2:00	41	9	114	164	75.0%
6/4/2007 3:00	58	26	125	209	72.2%
6/4/2007 4:00	62	10	151	223	72.2%
6/4/2007 5:00	306	19	232	557	45.1%
6/4/2007 6:00	893	35	275	1203	25.8%
6/4/2007 7:00	1004	67	346	1417	29.1%
6/4/2007 8:00	957	85	303	1345	28.8%
6/4/2007 9:00	633	52	269	954	33.6%
6/4/2007 10:00	741	72	294	1107	33.1%
6/4/2007 11:00	612	44	281	937	34.7%
6/4/2007 12:00	853	70	316	1239	31.2%
6/4/2007 13:00	767	54	400	1221	37.2%
6/4/2007 14:00	961	87	428	1476	34.9%
6/4/2007 15:00	1160	53	423	1636	29.1%
6/4/2007 16:00	924	135	393	1452	36.4%
6/4/2007 17:00	918	100	271	1289	28.8%
6/4/2007 18:00	805	123	330	1258	36.0%
6/4/2007 19:00	558	82	324	964	42.1%
6/4/2007 20:00	475	46	260	781	39.2%
6/4/2007 21:00	486	43	251	780	37.7%
6/4/2007 22:00	357	49	298	704	49.3%
6/4/2007 23:00	211	32	240	483	56.3%
6/5/2007 0:00	126	19	140	285	55.8%
6/5/2007 1:00	100	11	128	239	58.2%
6/5/2007 2:00	62	9	100	171	63.7%
6/5/2007 3:00	69	9	154	232	70.3%
6/5/2007 4:00	78	8	139	225	65.3%
6/5/2007 5:00	222	21	162	405	45.2%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/5/2007 6:00	679	43	195	917	26.0%
6/5/2007 7:00	768	55	237	1060	27.5%
6/5/2007 8:00	705	60	253	1018	30.7%
6/5/2007 9:00	575	71	295	941	38.9%
6/5/2007 10:00	569	87	267	923	38.4%
6/5/2007 11:00	647	80	286	1013	36.1%
6/5/2007 12:00	587	68	391	1046	43.9%
6/5/2007 13:00	615	112	294	1021	39.8%
6/5/2007 14:00	823	94	415	1332	38.2%
6/5/2007 15:00	842	62	304	1208	30.3%
6/5/2007 16:00	806	54	305	1165	30.8%
6/5/2007 17:00	800	66	341	1207	33.7%
6/5/2007 18:00	688	68	295	1051	34.5%
6/5/2007 19:00	559	43	325	927	39.7%
6/5/2007 20:00	468	72	255	795	41.1%
6/5/2007 21:00	428	79	241	748	42.8%
6/5/2007 22:00	297	29	192	518	42.7%
6/5/2007 23:00	227	17	206	450	49.6%
6/6/2007 0:00	109	12	160	281	61.2%
6/6/2007 1:00	63	6	125	194	67.5%
6/6/2007 2:00	59	9	92	160	63.1%
6/6/2007 3:00	75	11	107	193	61.1%
6/6/2007 4:00	87	14	120	221	60.6%
6/6/2007 5:00	227	13	159	399	43.1%
6/6/2007 6:00	539	54	252	845	36.2%
6/6/2007 7:00	715	71	262	1048	31.8%
6/6/2007 8:00	655	52	305	1012	35.3%
6/6/2007 9:00	564	75	271	910	38.0%
6/6/2007 10:00	518	67	231	816	36.5%
6/6/2007 11:00	554	62	343	959	42.2%
6/6/2007 12:00	597	72	307	976	38.8%
6/6/2007 13:00	510	88	240	838	39.1%
6/6/2007 14:00				0	#DIV/0!
6/6/2007 15:00	1186	71	492	1749	32.2%
6/6/2007 16:00	1270	65	480	1815	30.0%
6/6/2007 17:00	1262	46	517	1825	30.8%
6/6/2007 18:00	986	39	465	1490	33.8%
6/6/2007 19:00	756	25	477	1258	39.9%
6/6/2007 20:00	666	24	454	1144	41.8%
6/6/2007 21:00	636	18	447	1101	42.2%
6/6/2007 22:00	471	13	394	878	46.4%
6/6/2007 23:00	291	11	345	647	55.0%
6/7/2007 0:00	143	17	253	413	65.4%
6/7/2007 1:00	102	7	248	357	71.4%
6/7/2007 2:00	72	10	202	284	74.6%
6/7/2007 3:00	82	18	200	300	72.7%
6/7/2007 4:00	78	20	248	346	77.5%
6/7/2007 5:00	266	22	249	537	50.5%
6/7/2007 6:00	781	41	330	1152	32.2%
6/7/2007 7:00	933	70	363	1366	31.7%
6/7/2007 8:00	954	79	389	1422	32.9%
6/7/2007 9:00	751	60	404	1215	38.2%
6/7/2007 10:00	698	63	460	1221	42.8%
6/7/2007 11:00	810	66	441	1317	38.5%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/7/2007 12:00	878	76	463	1417	38.0%
6/7/2007 13:00	812	70	468	1350	39.9%
6/7/2007 14:00	1024	74	464	1562	34.4%
6/7/2007 15:00	1219	71	475	1765	30.9%
6/7/2007 16:00	1227	59	504	1790	31.5%
6/7/2007 17:00	1262	41	484	1787	29.4%
6/7/2007 18:00	1086	31	498	1615	32.8%
6/7/2007 19:00	797	23	459	1279	37.7%
6/7/2007 20:00	737	23	408	1168	36.9%
6/7/2007 21:00	658	19	406	1083	39.2%
6/7/2007 22:00	478	18	364	860	44.4%
6/7/2007 23:00	319	15	321	655	51.3%
6/8/2007 0:00	180	17	263	460	60.9%
6/8/2007 1:00	112	7	236	355	68.5%
6/8/2007 2:00	75	14	238	327	77.1%
6/8/2007 3:00	84	5	204	293	71.3%
6/8/2007 4:00	84	13	214	311	73.0%
6/8/2007 5:00	263	16	225	504	47.8%
6/8/2007 6:00	760	22	308	1090	30.3%
6/8/2007 7:00	929	63	340	1332	30.3%
6/8/2007 8:00	950	83	400	1433	33.7%
6/8/2007 9:00	837	72	406	1315	36.3%
6/8/2007 10:00	803	90	393	1286	37.6%
6/8/2007 11:00	918	92	402	1412	35.0%
6/8/2007 12:00	950	65	412	1427	33.4%
6/8/2007 13:00	1060	85	377	1522	30.4%
6/8/2007 14:00	1189	79	415	1683	29.4%
6/8/2007 15:00	1358	85	408	1851	26.6%
6/8/2007 16:00	1297	58	392	1747	25.8%
6/8/2007 17:00	1338	50	360	1748	23.5%
6/8/2007 18:00	1114	38	352	1504	25.9%
6/8/2007 19:00	923	29	321	1273	27.5%
6/8/2007 20:00	793	37	341	1171	32.3%
6/8/2007 21:00	663	17	300	980	32.3%
6/8/2007 22:00	551	18	281	850	35.2%
6/8/2007 23:00	434	18	236	688	36.9%
6/9/2007 0:00	312	11	152	475	34.3%
6/9/2007 1:00	153	13	208	374	59.1%
6/9/2007 2:00	109	6	147	262	58.4%
6/9/2007 3:00	70	17	117	204	65.7%
6/9/2007 4:00	78	13	105	196	60.2%
6/9/2007 5:00	146	12	113	271	46.1%
6/9/2007 6:00	378	25	135	538	29.7%
6/9/2007 7:00	454	41	187	682	33.4%
6/9/2007 8:00	710	47	193	950	25.3%
6/9/2007 9:00	882	46	244	1172	24.7%
6/9/2007 10:00	973	40	236	1249	22.1%
6/9/2007 11:00	1091	36	220	1347	19.0%
6/9/2007 12:00	1189	39	223	1451	18.1%
6/9/2007 13:00	1117	30	227	1374	18.7%
6/9/2007 14:00	1063	40	234	1337	20.5%
6/9/2007 15:00	1113	26	219	1358	18.0%
6/9/2007 16:00	1041	21	203	1265	17.7%
6/9/2007 17:00	983	15	210	1208	18.6%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/9/2007 18:00	820	30	214	1064	22.9%
6/9/2007 19:00	700	10	180	890	21.3%
6/9/2007 20:00	604	11	177	792	23.7%
6/9/2007 21:00	561	15	165	741	24.3%
6/9/2007 22:00	543	9	129	681	20.3%
6/9/2007 23:00	435	12	94	541	19.6%
6/10/2007 0:00	253	12	74	339	25.4%
6/10/2007 1:00	198	2	61	261	24.1%
6/10/2007 2:00	130	1	48	179	27.4%
6/10/2007 3:00	90	6	46	142	36.6%
6/10/2007 4:00	72	4	46	122	41.0%
6/10/2007 5:00	82	6	32	120	31.7%
6/10/2007 6:00	214	5	67	286	25.2%
6/10/2007 7:00	234	12	85	331	29.3%
6/10/2007 8:00	458	12	122	592	22.6%
6/10/2007 9:00	700	11	142	853	17.9%
6/10/2007 10:00	897	19	174	1090	17.7%
6/10/2007 11:00	1006	11	179	1196	15.9%
6/10/2007 12:00	1201	28	178	1407	14.6%
6/10/2007 13:00	1188	25	206	1419	16.3%
6/10/2007 14:00	1225	23	255	1503	18.5%
6/10/2007 15:00	1188	28	234	1450	18.1%
6/10/2007 16:00	1009	26	237	1272	20.7%
6/10/2007 17:00	1066	24	239	1329	19.8%
6/10/2007 18:00	985	21	225	1231	20.0%
6/10/2007 19:00	847	17	269	1133	25.2%
6/10/2007 20:00	794	16	241	1051	24.5%
6/10/2007 21:00	604	16	222	842	28.3%
6/10/2007 22:00	511	19	225	755	32.3%
6/10/2007 23:00	296	10	184	490	39.6%
6/11/2007 0:00	183	15	141	339	46.0%
6/11/2007 1:00	91	11	132	234	61.1%
6/11/2007 2:00	59	10	126	195	69.7%
6/11/2007 3:00	86	15	142	243	64.6%
6/11/2007 4:00	84	13	171	268	68.7%
6/11/2007 5:00	287	16	223	526	45.4%
6/11/2007 6:00	859	34	267	1160	25.9%
6/11/2007 7:00	907	60	251	1218	25.5%
6/11/2007 8:00	915	72	337	1324	30.9%
6/11/2007 9:00	780	81	328	1189	34.4%
6/11/2007 10:00	694	87	345	1126	38.4%
6/11/2007 11:00	897	60	356	1313	31.7%
6/11/2007 12:00	886	54	388	1328	33.3%
6/11/2007 13:00	867	72	386	1325	34.6%
6/11/2007 14:00	1000	90	392	1482	32.5%
6/11/2007 15:00	1192	68	419	1679	29.0%
6/11/2007 16:00	930	69	406	1405	33.8%
6/11/2007 17:00	1153	48	412	1613	28.5%
6/11/2007 18:00	1078	32	481	1591	32.2%
6/11/2007 19:00	743	16	450	1209	38.5%
6/11/2007 20:00	663	25	469	1157	42.7%
6/11/2007 21:00	545	15	408	968	43.7%
6/11/2007 22:00	416	15	365	796	47.7%
6/11/2007 23:00	283	14	361	658	57.0%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/12/2007 0:00	159	8	249	416	61.8%
6/12/2007 1:00	75	12	253	340	77.9%
6/12/2007 2:00	43	21	242	306	85.9%
6/12/2007 3:00	72	8	208	288	75.0%
6/12/2007 4:00	88	14	230	332	73.5%
6/12/2007 5:00	272	24	271	567	52.0%
6/12/2007 6:00	843	31	330	1204	30.0%
6/12/2007 7:00	979	63	326	1368	28.4%
6/12/2007 8:00	944	82	420	1446	34.7%
6/12/2007 9:00	699	81	429	1209	42.2%
6/12/2007 10:00	743	75	387	1205	38.3%
6/12/2007 11:00	822	74	459	1355	39.3%
6/12/2007 12:00	858	74	429	1361	37.0%
6/12/2007 13:00	853	74	447	1374	37.9%
6/12/2007 14:00	992	83	550	1625	39.0%
6/12/2007 15:00	1293	63	473	1829	29.3%
6/12/2007 16:00	1184	78	499	1761	32.8%
6/12/2007 17:00	1100	58	452	1610	31.7%
6/12/2007 18:00	1031	33	489	1553	33.6%
6/12/2007 19:00	817	27	504	1348	39.4%
6/12/2007 20:00	778	21	448	1247	37.6%
6/12/2007 21:00	696	19	408	1123	38.0%
6/12/2007 22:00	506	20	410	936	45.9%
6/12/2007 23:00	317	15	340	672	52.8%
6/13/2007 0:00	166	12	254	432	61.6%
6/13/2007 1:00	95	12	249	356	73.3%
6/13/2007 2:00	55	19	209	283	80.6%
6/13/2007 3:00	74	16	206	296	75.0%
6/13/2007 4:00	69	16	218	303	77.2%
6/13/2007 5:00	249	14	259	522	52.3%
6/13/2007 6:00	786	44	319	1149	31.6%
6/13/2007 7:00	981	65	338	1384	29.1%
6/13/2007 8:00	908	80	390	1378	34.1%
6/13/2007 9:00	780	59	360	1199	34.9%
6/13/2007 10:00	763	64	491	1318	42.1%
6/13/2007 11:00	916	64	491	1471	37.7%
6/13/2007 12:00	985	62	457	1504	34.5%
6/13/2007 13:00	991	66	461	1518	34.7%
6/13/2007 14:00	1146	85	487	1718	33.3%
6/13/2007 15:00	1258	67	481	1806	30.3%
6/13/2007 16:00	1139	77	478	1694	32.8%
6/13/2007 17:00	1290	39	511	1840	29.9%
6/13/2007 18:00	1084	46	520	1650	34.3%
6/13/2007 19:00	834	31	508	1373	39.3%
6/13/2007 20:00	715	27	445	1187	39.8%
6/13/2007 21:00	641	21	397	1059	39.5%
6/13/2007 22:00	519	24	403	946	45.1%
6/13/2007 23:00	336	20	341	697	51.8%
6/14/2007 0:00	158	13	270	441	64.2%
6/14/2007 1:00	106	15	233	354	70.1%
6/14/2007 2:00	89	12	210	311	71.4%
6/14/2007 3:00	76	11	207	294	74.1%
6/14/2007 4:00	89	24	223	336	73.5%
6/14/2007 5:00	281	24	262	567	50.4%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/14/2007 6:00	819	44	334	1197	31.6%
6/14/2007 7:00	912	58	372	1342	32.0%
6/14/2007 8:00	1058	77	379	1514	30.1%
6/14/2007 9:00	885	68	458	1411	37.3%
6/14/2007 10:00	864	74	492	1430	39.6%
6/14/2007 11:00	935	85	449	1469	36.4%
6/14/2007 12:00	979	82	439	1500	34.7%
6/14/2007 13:00	999	84	475	1558	35.9%
6/14/2007 14:00	1207	88	507	1802	33.0%
6/14/2007 15:00	1226	87	470	1783	31.2%
6/14/2007 16:00	1232	80	489	1801	31.6%
6/14/2007 17:00	1325	44	451	1820	27.2%
6/14/2007 18:00	1266	46	485	1797	29.5%
6/14/2007 19:00	884	40	484	1408	37.2%
6/14/2007 20:00	798	32	416	1246	36.0%
6/14/2007 21:00	715	19	396	1130	36.7%
6/14/2007 22:00	565	32	359	956	40.9%
6/14/2007 23:00	352	13	342	707	50.2%
6/15/2007 0:00	197	15	250	462	57.4%
6/15/2007 1:00	126	18	231	375	66.4%
6/15/2007 2:00	70	18	255	343	79.6%
6/15/2007 3:00	59	13	199	271	78.2%
6/15/2007 4:00	83	14	224	321	74.1%
6/15/2007 5:00	276	28	262	566	51.2%
6/15/2007 6:00	813	38	287	1138	28.6%
6/15/2007 7:00	955	62	340	1357	29.6%
6/15/2007 8:00	1010	98	343	1451	30.4%
6/15/2007 9:00	820	74	428	1322	38.0%
6/15/2007 10:00	883	103	405	1391	36.5%
6/15/2007 11:00	992	97	384	1473	32.7%
6/15/2007 12:00	1184	80	415	1679	29.5%
6/15/2007 13:00	1178	82	407	1667	29.3%
6/15/2007 14:00	1329	94	369	1792	25.8%
6/15/2007 15:00	1483	84	348	1915	22.6%
6/15/2007 16:00	1392	71	360	1823	23.6%
6/15/2007 17:00	1352	51	379	1782	24.1%
6/15/2007 18:00	1110	48	331	1489	25.5%
6/15/2007 19:00	884	25	318	1227	28.0%
6/15/2007 20:00	821	26	328	1175	30.1%
6/15/2007 21:00	713	19	304	1036	31.2%
6/15/2007 22:00	648	31	311	990	34.5%
6/15/2007 23:00	504	22	256	782	35.5%
6/16/2007 0:00	305	15	208	528	42.2%
6/16/2007 1:00	158	7	168	333	52.6%
6/16/2007 2:00	116	15	113	244	52.5%
6/16/2007 3:00	83	9	122	214	61.2%
6/16/2007 4:00	88	5	103	196	55.1%
6/16/2007 5:00	158	15	74	247	36.0%
6/16/2007 6:00	377	37	119	533	29.3%
6/16/2007 7:00	475	47	150	672	29.3%
6/16/2007 8:00	696	37	167	900	22.7%
6/16/2007 9:00	881	40	211	1132	22.2%
6/16/2007 10:00	1023	56	221	1300	21.3%
6/16/2007 11:00	1162	38	226	1426	18.5%

## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/16/2007 12:00	1242	23	233	1498	17.1%
6/16/2007 13:00	1259	34	240	1533	17.9%
6/16/2007 14:00	1192	44	259	1495	20.3%
6/16/2007 15:00	1114	27	184	1325	15.9%
6/16/2007 16:00	1064	34	221	1319	19.3%
6/16/2007 17:00	1053	27	191	1271	17.2%
6/16/2007 18:00	912	20	181	1113	18.1%
6/16/2007 19:00	682	9	149	840	18.8%
6/16/2007 20:00	668	10	125	803	16.8%
6/16/2007 21:00	525	16	143	684	23.2%
6/16/2007 22:00	506	10	114	630	19.7%
6/16/2007 23:00	395	10	118	523	24.5%
6/17/2007 0:00	287	5	71	363	20.9%
6/17/2007 1:00	198	6	69	273	27.5%
6/17/2007 2:00	144	3	56	203	29.1%
6/17/2007 3:00	94	3	37	134	29.9%
6/17/2007 4:00	103	5	63	171	39.8%
6/17/2007 5:00	137	6	40	183	25.1%
6/17/2007 6:00	282	8	65	355	20.6%
6/17/2007 7:00	281	15	94	390	27.9%
6/17/2007 8:00	476	13	122	611	22.1%
6/17/2007 9:00	743	17	150	910	18.4%
6/17/2007 10:00	992	23	139	1154	14.0%
6/17/2007 11:00	1097	19	175	1291	15.0%
6/17/2007 12:00	1244	31	193	1468	15.3%
6/17/2007 13:00	1257	18	184	1459	13.8%
6/17/2007 14:00	1350	25	209	1584	14.8%
6/17/2007 15:00	1156	25	227	1408	17.9%
6/17/2007 16:00	1124	9	229	1362	17.5%
6/17/2007 17:00	1035	17	228	1280	19.1%
6/17/2007 18:00	975	18	238	1231	20.8%
6/17/2007 19:00	1054	23	232	1309	19.5%
6/17/2007 20:00	1126	26	215	1367	17.6%
6/17/2007 21:00	881	33	232	1146	23.1%
6/17/2007 22:00	580	39	210	829	30.0%
6/17/2007 23:00	322	25	176	523	38.4%
6/18/2007 0:00	162	19	166	347	53.3%
6/18/2007 1:00	98	11	126	235	58.3%
6/18/2007 2:00	74	17	138	229	67.7%
6/18/2007 3:00	79	6	157	242	67.4%
6/18/2007 4:00	78	11	152	241	67.6%
6/18/2007 5:00	269	14	214	497	45.9%
6/18/2007 6:00	818	41	268	1127	27.4%
6/18/2007 7:00	954	70	279	1303	26.8%
6/18/2007 8:00	1022	95	332	1449	29.5%
6/18/2007 9:00	910	113	326	1349	32.5%
6/18/2007 10:00	865	97	416	1378	37.2%
6/18/2007 11:00	961	98	392	1451	33.8%
6/18/2007 12:00	964	130	416	1510	36.2%
6/18/2007 13:00	922	93	430	1445	36.2%
6/18/2007 14:00	1012	88	473	1573	35.7%
6/18/2007 15:00	1261	66	440	1767	28.6%
6/18/2007 16:00	1159	51	469	1679	31.0%
6/18/2007 17:00	1132	51	484	1667	32.1%



## Appendix A4

### Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/18/2007 18:00	921	40	440	1401	34.3%
6/18/2007 19:00	767	26	462	1255	38.9%
6/18/2007 20:00	640	20	432	1092	41.4%
6/18/2007 21:00	494	15	412	921	46.4%
6/18/2007 22:00	407	20	356	783	48.0%
6/18/2007 23:00	285	12	366	663	57.0%
6/19/2007 0:00	154	12	258	424	63.7%
6/19/2007 1:00	79	15	224	318	75.2%
6/19/2007 2:00	61	15	211	287	78.7%
6/19/2007 3:00	61	11	188	260	76.5%
6/19/2007 4:00	90	18	241	349	74.2%
6/19/2007 5:00	272	18	279	569	52.2%
6/19/2007 6:00	812	31	294	1137	28.6%
6/19/2007 7:00	860	75	303	1238	30.5%
6/19/2007 8:00	868	77	333	1278	32.1%
6/19/2007 9:00	842	59	467	1368	38.5%
6/19/2007 10:00	733	84	484	1301	43.7%
6/19/2007 11:00	767	66	490	1323	42.0%
6/19/2007 12:00	832	73	467	1372	39.4%
6/19/2007 13:00	751	66	466	1283	41.5%
6/19/2007 14:00	972	81	492	1545	37.1%
6/19/2007 15:00	1168	66	520	1754	33.4%
6/19/2007 16:00	1080	47	539	1666	35.2%
6/19/2007 17:00	1179	45	520	1744	32.4%
6/19/2007 18:00	980	44	436	1460	32.9%
6/19/2007 19:00	734	30	509	1273	42.3%
6/19/2007 20:00	762	23	439	1224	37.7%
6/19/2007 21:00	584	21	452	1057	44.7%
6/19/2007 22:00	425	23	364	812	47.7%
6/19/2007 23:00	336	22	329	687	51.1%
6/20/2007 0:00	160	11	266	437	63.4%
6/20/2007 1:00	90	16	256	362	75.1%
6/20/2007 2:00	60	15	211	286	79.0%
6/20/2007 3:00	74	13	226	313	76.4%
6/20/2007 4:00	83	12	224	319	74.0%
6/20/2007 5:00	272	16	267	555	51.0%
6/20/2007 6:00	792	35	351	1178	32.8%
6/20/2007 7:00	953	57	358	1368	30.3%
6/20/2007 8:00	957	79	393	1429	33.0%
6/20/2007 9:00	768	73	446	1287	40.3%
6/20/2007 10:00	742	63	452	1257	41.0%
6/20/2007 11:00	824	62	426	1312	37.2%
6/20/2007 12:00	862	58	453	1373	37.2%
6/20/2007 13:00	886	69	524	1479	40.1%
6/20/2007 14:00	966	84	480	1530	36.9%
6/20/2007 15:00	1125	77	542	1744	35.5%
6/20/2007 16:00	1216	59	466	1741	30.2%
6/20/2007 17:00	1176	49	544	1769	33.5%
6/20/2007 18:00	988	58	476	1522	35.1%
6/20/2007 19:00	723	24	486	1233	41.4%
6/20/2007 20:00	663	20	517	1200	44.8%
6/20/2007 21:00	560	14	384	958	41.5%
6/20/2007 22:00	458	19	388	865	47.1%
6/20/2007 23:00	312	11	379	702	55.6%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/21/2007 0:00	159	10	259	428	62.9%
6/21/2007 1:00	79	8	284	371	78.7%
6/21/2007 2:00	68	13	216	297	77.1%
6/21/2007 3:00	72	10	238	320	77.5%
6/21/2007 4:00	106	21	261	388	72.7%
6/21/2007 5:00	267	17	262	546	51.1%
6/21/2007 6:00	825	36	336	1197	31.1%
6/21/2007 7:00	976	75	342	1393	29.9%
6/21/2007 8:00	921	80	382	1383	33.4%
6/21/2007 9:00	719	74	425	1218	41.0%
6/21/2007 10:00	721	75	423	1219	40.9%
6/21/2007 11:00	772	74	404	1250	38.2%
6/21/2007 12:00	871	73	465	1409	38.2%
6/21/2007 13:00	831	63	452	1346	38.3%
6/21/2007 14:00	1044	79	431	1554	32.8%
6/21/2007 15:00	1239	73	515	1827	32.2%
6/21/2007 16:00	1221	67	459	1747	30.1%
6/21/2007 17:00	1320	52	490	1862	29.1%
6/21/2007 18:00	1061	32	533	1626	34.7%
6/21/2007 19:00	858	32	459	1349	36.4%
6/21/2007 20:00	790	29	451	1270	37.8%
6/21/2007 21:00	700	20	421	1141	38.7%
6/21/2007 22:00	487	27	388	902	46.0%
6/21/2007 23:00	347	16	328	691	49.8%
6/22/2007 0:00	188	17	246	451	58.3%
6/22/2007 1:00	104	10	195	309	66.3%
6/22/2007 2:00	87	15	223	325	73.2%
6/22/2007 3:00	68	14	242	324	79.0%
6/22/2007 4:00	108	21	227	356	69.7%
6/22/2007 5:00	255	26	218	499	48.9%
6/22/2007 6:00	794	40	261	1095	27.5%
6/22/2007 7:00	950	66	329	1345	29.4%
6/22/2007 8:00	882	88	347	1317	33.0%
6/22/2007 9:00	800	78	409	1287	37.8%
6/22/2007 10:00	869	81	393	1343	35.3%
6/22/2007 11:00	1027	80	375	1482	30.7%
6/22/2007 12:00	1068	65	419	1552	31.2%
6/22/2007 13:00				0	#DIV/0!
6/22/2007 14:00	1173	71	410	1654	29.1%
6/22/2007 15:00	1375	94	393	1862	26.2%
6/22/2007 16:00	1401	47	348	1796	22.0%
6/22/2007 17:00	1312	59	387	1758	25.4%
6/22/2007 18:00	1196	40	341	1577	24.2%
6/22/2007 19:00	904	33	345	1282	29.5%
6/22/2007 20:00	831	25	305	1161	28.4%
6/22/2007 21:00	697	21	318	1036	32.7%
6/22/2007 22:00	641	23	215	879	27.1%
6/22/2007 23:00	458	13	228	699	34.5%
6/23/2007 0:00	273	19	209	501	45.5%
6/23/2007 1:00	170	16	164	350	51.4%
6/23/2007 2:00	113	13	129	255	55.7%
6/23/2007 3:00	81	11	107	199	59.3%
6/23/2007 4:00	84	11	113	208	59.6%
6/23/2007 5:00	173	16	109	298	41.9%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/23/2007 6:00	350	24	133	507	31.0%
6/23/2007 7:00	414	28	151	593	30.2%
6/23/2007 8:00	676	36	223	935	27.7%
6/23/2007 9:00	809	38	190	1037	22.0%
6/23/2007 10:00	910	38	225	1173	22.4%
6/23/2007 11:00	1077	47	235	1359	20.8%
6/23/2007 12:00	1162	38	243	1443	19.5%
6/23/2007 13:00	1127	45	207	1379	18.3%
6/23/2007 14:00	1076	33	219	1328	19.0%
6/23/2007 15:00	1304	39	233	1576	17.3%
6/23/2007 16:00	1092	21	246	1359	19.6%
6/23/2007 17:00	1036	16	194	1246	16.9%
6/23/2007 18:00	894	24	179	1097	18.5%
6/23/2007 19:00	667	14	204	885	24.6%
6/23/2007 20:00	682	7	174	863	21.0%
6/23/2007 21:00	515	13	173	701	26.5%
6/23/2007 22:00	479	10	140	629	23.8%
6/23/2007 23:00	403	6	102	511	21.1%
6/24/2007 0:00	271	10	97	378	28.3%
6/24/2007 1:00	185	7	52	244	24.2%
6/24/2007 2:00	119	4	43	166	28.3%
6/24/2007 3:00	90	3	35	128	29.7%
6/24/2007 4:00	72	0	38	110	34.5%
6/24/2007 5:00	88	12	53	153	42.5%
6/24/2007 6:00	225	14	72	311	27.7%
6/24/2007 7:00	259	15	90	364	28.8%
6/24/2007 8:00	458	16	98	572	19.9%
6/24/2007 9:00	675	21	132	828	18.5%
6/24/2007 10:00	914	18	155	1087	15.9%
6/24/2007 11:00	1071	15	189	1275	16.0%
6/24/2007 12:00	1238	23	167	1428	13.3%
6/24/2007 13:00	1259	22	234	1515	16.9%
6/24/2007 14:00	1247	22	209	1478	15.6%
6/24/2007 15:00	1230	28	254	1512	18.7%
6/24/2007 16:00	1119	24	252	1395	19.8%
6/24/2007 17:00	1037	30	235	1302	20.4%
6/24/2007 18:00	912	32	229	1173	22.3%
6/24/2007 19:00	909	22	242	1173	22.5%
6/24/2007 20:00	727	14	225	966	24.7%
6/24/2007 21:00	602	17	238	857	29.8%
6/24/2007 22:00	483	12	226	721	33.0%
6/24/2007 23:00	276	13	179	468	41.0%
6/25/2007 0:00	153	18	159	330	53.6%
6/25/2007 1:00	110	13	155	278	60.4%
6/25/2007 2:00	71	11	113	195	63.6%
6/25/2007 3:00	81	13	148	242	66.5%
6/25/2007 4:00	99	14	165	278	64.4%
6/25/2007 5:00	293	15	187	495	40.8%
6/25/2007 6:00	826	37	268	1131	27.0%
6/25/2007 7:00	976	63	289	1328	26.5%
6/25/2007 8:00	931	92	293	1316	29.3%
6/25/2007 9:00	795	78	333	1206	34.1%
6/25/2007 10:00	717	78	333	1128	36.4%
6/25/2007 11:00	841	61	369	1271	33.8%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/25/2007 12:00	865	65	366	1296	33.3%
6/25/2007 13:00	880	62	383	1325	33.6%
6/25/2007 14:00	989	71	460	1520	34.9%
6/25/2007 15:00	1177	61	438	1676	29.8%
6/25/2007 16:00	1298	62	444	1804	28.0%
6/25/2007 17:00	1202	53	456	1711	29.7%
6/25/2007 18:00	921	31	439	1391	33.8%
6/25/2007 19:00	742	35	434	1211	38.7%
6/25/2007 20:00	687	23	400	1110	38.1%
6/25/2007 21:00	556	22	383	961	42.1%
6/25/2007 22:00	468	20	404	892	47.5%
6/25/2007 23:00	331	9	351	691	52.1%
6/26/2007 0:00	162	17	267	446	63.7%
6/26/2007 1:00	109	14	238	361	69.8%
6/26/2007 2:00	76	15	191	282	73.0%
6/26/2007 3:00	49	13	203	265	81.5%
6/26/2007 4:00	85	16	236	337	74.8%
6/26/2007 5:00	256	23	248	527	51.4%
6/26/2007 6:00	849	26	281	1156	26.6%
6/26/2007 7:00	912	61	328	1301	29.9%
6/26/2007 8:00	933	81	396	1410	33.8%
6/26/2007 9:00	749	68	432	1249	40.0%
6/26/2007 10:00	705	79	386	1170	39.7%
6/26/2007 11:00	815	68	478	1361	40.1%
6/26/2007 12:00	843	73	372	1288	34.5%
6/26/2007 13:00	840	63	492	1395	39.8%
6/26/2007 14:00	920	75	479	1474	37.6%
6/26/2007 15:00	1200	79	466	1745	31.2%
6/26/2007 16:00	1174	81	464	1719	31.7%
6/26/2007 17:00	1300	45	473	1818	28.5%
6/26/2007 18:00	968	25	461	1454	33.4%
6/26/2007 19:00	755	23	462	1240	39.1%
6/26/2007 20:00	651	23	386	1060	38.6%
6/26/2007 21:00	620	18	424	1062	41.6%
6/26/2007 22:00	493	19	364	876	43.7%
6/26/2007 23:00	310	14	328	652	52.5%
6/27/2007 0:00	165	21	259	445	62.9%
6/27/2007 1:00	120	12	259	391	69.3%
6/27/2007 2:00	50	12	196	258	80.6%
6/27/2007 3:00	58	16	229	303	80.9%
6/27/2007 4:00	96	15	268	379	74.7%
6/27/2007 5:00	289	19	239	547	47.2%
6/27/2007 6:00	779	32	305	1116	30.2%
6/27/2007 7:00	938	59	347	1344	30.2%
6/27/2007 8:00	954	78	374	1406	32.1%
6/27/2007 9:00	784	73	444	1301	39.7%
6/27/2007 10:00	751	84	410	1245	39.7%
6/27/2007 11:00	850	64	466	1380	38.4%
6/27/2007 12:00	868	54	425	1347	35.6%
6/27/2007 13:00	936	69	513	1518	38.3%
6/27/2007 14:00	886	74	455	1415	37.4%
6/27/2007 15:00	1150	69	467	1686	31.8%
6/27/2007 16:00	1174	57	517	1748	32.8%
6/27/2007 17:00	1048	56	444	1548	32.3%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/27/2007 18:00	952	43	451	1446	34.2%
6/27/2007 19:00	784	19	448	1251	37.3%
6/27/2007 20:00	930	26	413	1369	32.1%
6/27/2007 21:00	648	26	386	1060	38.9%
6/27/2007 22:00	428	15	356	799	46.4%
6/27/2007 23:00	883	16	320	1219	27.6%
6/28/2007 0:00	302	12	269	583	48.2%
6/28/2007 1:00	137	9	228	374	63.4%
6/28/2007 2:00	86	8	206	300	71.3%
6/28/2007 3:00	64	19	215	298	78.5%
6/28/2007 4:00	111	8	185	304	63.5%
6/28/2007 5:00	283	20	229	532	46.8%
6/28/2007 6:00	797	50	302	1149	30.6%
6/28/2007 7:00	933	76	358	1367	31.7%
6/28/2007 8:00	928	58	413	1399	33.7%
6/28/2007 9:00	877	70	413	1360	35.5%
6/28/2007 10:00	834	62	370	1266	34.1%
6/28/2007 11:00	952	65	424	1441	33.9%
6/28/2007 12:00	1013	74	416	1503	32.6%
6/28/2007 13:00	945	77	420	1442	34.5%
6/28/2007 14:00	1075	82	477	1634	34.2%
6/28/2007 15:00	1223	73	446	1742	29.8%
6/28/2007 16:00	1277	68	454	1799	29.0%
6/28/2007 17:00	1360	41	441	1842	26.2%
6/28/2007 18:00	1026	36	420	1482	30.8%
6/28/2007 19:00	892	41	406	1339	33.4%
6/28/2007 20:00	758	25	384	1167	35.0%
6/28/2007 21:00	639	18	363	1020	37.4%
6/28/2007 22:00	525	19	341	885	40.7%
6/28/2007 23:00	362	22	281	665	45.6%
6/29/2007 0:00	216	23	244	483	55.3%
6/29/2007 1:00	128	14	215	357	64.1%
6/29/2007 2:00	96	18	160	274	65.0%
6/29/2007 3:00	84	14	189	287	70.7%
6/29/2007 4:00	109	22	210	341	68.0%
6/29/2007 5:00	293	26	199	518	43.4%
6/29/2007 6:00	762	33	262	1057	27.9%
6/29/2007 7:00	923	50	300	1273	27.5%
6/29/2007 8:00	866	69	311	1246	30.5%
6/29/2007 9:00	824	71	342	1237	33.4%
6/29/2007 10:00	901	98	330	1329	32.2%
6/29/2007 11:00	991	76	347	1414	29.9%
6/29/2007 12:00	1030	71	334	1435	28.2%
6/29/2007 13:00	1175	68	342	1585	25.9%
6/29/2007 14:00	1317	78	328	1723	23.6%
6/29/2007 15:00	1377	100	357	1834	24.9%
6/29/2007 16:00	1329	76	322	1727	23.0%
6/29/2007 17:00	1375	74	279	1728	20.4%
6/29/2007 18:00	1238	47	333	1618	23.5%
6/29/2007 19:00	1028	46	280	1354	24.1%
6/29/2007 20:00	883	24	254	1161	23.9%
6/29/2007 21:00	763	31	272	1066	28.4%
6/29/2007 22:00	577	22	220	819	29.5%
6/29/2007 23:00	500	17	220	737	32.2%

## Appendix A4 Record of Traffic Data

Date/Time	Cars (both directions)	Short Trucks (both directions)	Long Trucks (both directions)	Total (both directions)	truck%
6/30/2007 0:00	310	13	154	477	35.0%
6/30/2007 1:00	205	12	129	346	40.8%
6/30/2007 2:00	143	16	101	260	45.0%
6/30/2007 3:00	108	15	74	197	45.2%
6/30/2007 4:00	108	15	81	204	47.1%
6/30/2007 5:00	189	13	106	308	38.6%
6/30/2007 6:00	423	29	138	590	28.3%
6/30/2007 7:00	555	36	140	731	24.1%
6/30/2007 8:00	701	40	164	905	22.5%
6/30/2007 9:00	852	37	202	1091	21.9%
6/30/2007 10:00	966	46	185	1197	19.3%
6/30/2007 11:00	1161	46	173	1380	15.9%
6/30/2007 12:00	1281	42	207	1530	16.3%
6/30/2007 13:00	1294	35	201	1530	15.4%
6/30/2007 14:00	1299	35	224	1558	16.6%
6/30/2007 15:00	1201	31	201	1433	16.2%
6/30/2007 16:00	1103	29	189	1321	16.5%
6/30/2007 17:00	1050	22	160	1232	14.8%
6/30/2007 18:00	923	20	157	1100	16.1%
6/30/2007 19:00	803	16	146	965	16.8%
6/30/2007 20:00	640	14	126	780	17.9%
6/30/2007 21:00	593	18	147	758	21.8%
6/30/2007 22:00	559	11	101	671	16.7%
6/30/2007 23:00	435	9	102	546	20.3%