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This report documents the mobile source emission estimation methodology used for the conformity analysis of the Transportation Improvement Program (TIP) and the metropolitan plan for Victoria County. Included in the report is a brief overview of the emission estimation methodology and the 24-hour traffic assignments used in the analyses; the methods used to estimate the seasonally adjusted time-of-day vehicle miles of travel and associated operating speeds; the estimation of the emission rates using the EPA's MOBILE5a program; and brief outline of the method used to develop the emission estimates using the MOBILE5a emission rates and comparisons of the emission estimates for the Build and No Build options. An appendix presents the emission rates developed for conformity analysis.

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# DEVELOPMENT OF EMISSION ESTIMATES FOR THE CONFORMITY ANALYSIS OF THE VICTORIA FY-94 TIP AND 2015 METROPOLITAN PLAN

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Research Study Number 0-1375
Research Report 1375-3
Study Title: Develop Air Quality Data for Federal Submission

Sponsored by the
Texas Department of Transportation
In Cooperation with
U.S. Department of Transportation
Federal Highway Administration

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TEXAS TRANSPORTATION INSTITUTE
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College Station, Texas 77843-3135

## IMPLEMENTATION STATEMENT

This report documents for the record the procedures used by the Texas Transportation Institute in support of the FY-94 conformity analysis for Victoria. The findings of the conformity analysis were previously submitted by the Texas Transportation Institute to the Texas Department of Transportation on April 1, 1994. An error to the off-peak capacity factors was subsequently found by TTI, and the analysis was redone. Modifications were subsequently made to the 1996 and 2015 networks and the conformity analysis was redone on July 9 and July 18, 1994. This report includes all corrections and modifications that were made.

The software used for these procedures is described in Research Report 1279-2, "User's Guide for the Texas Mobile Source Emission Estimation Software: PREPIN, POLFAC5A, COADJ, IMPSUM, and SUMALL." No further implementation of the materials in this report is needed.

## DISCLAIMER

The contents of this report reflect the views of the authors who are responsible for the opinions, findings, and conclusions presented herein. The contents do not necessarily reflect the official views or policies of the Texas Department of Transportation. This report does not constitute a standard, specification, or regulation. Additionally, this report is not intended for construction, bidding, or permit purposes. George B. Dresser, Ph.D., is Principal Investigator for this project.

## TABLE OF CONTENTS


I. Introduction . . . . . 1

II. Estimation of Time-of-day VMT and Speeds . . . . . 5

III. Estimation of Emission Rates Using MOBILE5a . . . . . 17

IV. Emission Estimates . . . . . 35

Appendix A: MOBILE5a Emission Rates . . . . . A-1

## LIST OF TABLES


I-1. 24-Hour Traffic Assignments . . . . . 3

II-1. Portions of Travel by Time Periods (in percentages) . . . . . 8

II-2. Morning Peak-Period Directional Split Estimates for Victoria . . . . . 10

II-3. Off-Peak Directional Split Estimates for Victoria . . . . . 10

II-4. Afternoon Peak-Period Directional Split Estimates for Victoria . . . . . 11

II-5. Typical 24-Hour Capacities per Lane for the Victoria Network . . . . . 13

II-6. Estimated Typical Hourly Capacities per Lane for Victoria Network . . . . . 13

II-7. Average 24-Hour Speeds for the Victoria Network . . . . . 14

II-8. Estimated Typical Freeflow Speeds for the Victoria Network . . . . . 14

II-9. Volume-Delay Equation Parameters . . . . . 15

III-1. Temperature Ranges . . . . . 17

III-2. Temperature Data for Jefferson County 1990 Minimum Temperature 70, Maximum Temperature 93 . . . . . 19

III-3. Temperature Data for Victoria County 1990 Minimum Temperature 74.5, Maximum Temperature 93.2 . . . . . 19

III-4. MOBILE5a Temperature Inputs Used for Victoria Conformity Applications . . . . . 20

III-5. Summer 1990 Victoria County MOBILE5a Set-Up Time Period 1 . . . . . 22

III-6. Summer 1990 Victoria County MOBILE5a Set-Up Time Period 2 . . . . . 22

III-7. Summer 1990 Victoria County MOBILE5a Set-Up Time Period 3 . . . . . 23

III-8. Summer 1990 Victoria County MOBILE5a Set-up Time Period 4 . . . . . 23

III-9. Summer 1990 Victoria County MOBILE5a Set-up

for 24-Hour Diurnal Rates . . . . . 24

III-10. Summer 1993 Victoria County MOBILE5a Set-up for Time Period 1 . . . . . 24

III-11. Summer 1993 Victoria County MOBILE5a Set-Up for Time Period 2 . . . . . 25

III-12. Summer 1993 Victoria County MOBILE5a Set-Up for Time Period 3 . . . . . 25

III-13. Summer 1993 Victoria County MOBILE5a Set-Up for Time Period 4 . . . . . 26

III-14. Summer 1990 Victoria County MOBILE5a Set-Up for 24-Hour Diurnal Rates . . . . . 26

III-15. Summer 1996 Victoria County MOBILE5a Set-Up for Time Period 1 . . . . . 27

III-16. Summer 1996 Victoria County MOBILE5a Set-Up for Time Period 2 . . . . . 27

III-17. Summer 1996 Victoria County MOBILE5a Set-Up for Time Period 3 . . . . . 28

III-18. Summer 1996 Victoria County MOBILE5a Set-Up for Time Period 4 . . . . . 28

III-19. Summer 1996 Victoria County MOBILE5a Set-Up for 24-Hour Diurnal Rates . . . . . 29

III-20. Summer 2006 Victoria County MOBILE5a Set-Up for Time Period 1 . . . . . 29

III-21. Summer 2006 Victoria County MOBILE5a Set-Up for Time Period 2 . . . . . 30

III-22. Summer 2006 Victoria County MOBILE5a Set-Up for Time Period 3 . . . . . 30

III-23. Summer 2006 Victoria County MOBILE5a Set-Up for Time Period 4 . . . . . 31

III-24. Summer 2006 Victoria County MOBILE5a Set-Up for 24-Hour

Diurnal Rates . . . . . 31

III-25. Summer 2015 Victoria County MOBILE5a Set-Up for Time Period 1 . . . . . 32

III-26. Summer 2015 Victoria County MOBILE5a Set-Up for Time Period 2 . . . . . 32

III-27. Summer 2015 Victoria County MOBILE5a Set-Up for Time Period 3 . . . . . 33

III-28. Summer 2015 Victoria County MOBILE5a Set-Up for Time Period 4 . . . . . 33

III-29. Summer 2015 Victoria County MOBILE5a Set-Up for 24-Hour Diurnal Rates . . . . . 34

IV-1. Summer 1996 24-Hour Emission Estimates for the Victoria FY-94 TIP . . . . . 37

IV-2. Summer 2006 24-Hour Emission Estimates for the Victoria FY-94 TIP . . . . . 37

IV-3. Summer 2015 24-Hour Emission Estimates for the Victoria FY-94 TIP . . . . . 38

A-1. Victoria 1990 VOC Emission Rates for Time Period 1 . . . . . A-3

A-2. Victoria 1990 CO Emission Rates for Time Period 1 . . . . . A-4

A-3. Victoria 1990 NOX Emission Rates for Time Period 1 . . . . . A-5

A-4. Victoria 1990 VOC Emission Rates for Time Period 2 . . . . . A-6

A-5. Victoria 1990 CO Emission Rates for Time Period 2 . . . . . A-7

A-6. Victoria 1990 NOX Emission Rates for Time Period 2 . . . . . A-8

A-7. Victoria 1990 VOC Emission Rates for Time Period 3 . . . . . A-9

A-8. Victoria 1990 CO Emission Rates for Time Period 3 . . . . . A-10

A-9. Victoria 1990 NOX Emission Rates for Time Period 3 . . . . . A-11

A-10. Victoria 1990 VOC Emission Rates for Time Period 4 . . . . . A-12

A-11. Victoria 1990 CO Emission Rates . . . . . A-13

A-12. Victoria 1990 NOX Emission Rates for Time Period 4 . . . . . A-14

A-13. Victoria 1993 VOC Emission Rates for Time Period 1 . . . . . A-15

A-14. Victoria 1993 CO Emission Rates for Time Period 1 . . . . . A-16

A-15. Victoria 1993 NOX Emission Rates for Time Period 1 . . . . . A-17

A-16. Victoria 1993 VOC Emission Rates for Time Period 2 . . . . . A-18

A-17. Victoria 1993 CO Emission Rates for Time Period 2 . . . . . A-19

A-18. Victoria 1993 NOX Emission Rates for Time Period 2 . . . . . A-20

A-19. Victoria 1993 VOC Emission Rates for Time Period 3 . . . . . A-21

A-20. Victoria 1993 CO Emission Rates for Time Period 3 . . . . . A-22

A-21. Victoria 1993 NOX Emission Rates for Time Period 3 . . . . . A-23

A-22. Victoria 1993 VOC Emission Rates for Time Period 4 . . . . . A-24

A-23. Victoria 1993 CO Emission Rates for Time Period 4 . . . . . A-25

A-24. Victoria 1993 NOX Emission Rates for Time Period 4 . . . . . A-26

A-25. Victoria 1996 VOC Emission Rates for Time Period 1 . . . . . A-27

A-26. Victoria 1996 CO Emission Rates for Time Period 1 . . . . . A-28

A-27. Victoria 1996 NOX Emission Rates for Time Period 1 . . . . . A-29

A-28. Victoria 1996 VOC Emission Rates for Time Period 2 . . . . . A-30

A-29. Victoria 1996 CO Emission Rates for Time Period 2 . . . . . A-31

A-30. Victoria 1996 NOX Emission Rates for Time Period 2 . . . . . A-32

A-31. Victoria 1996 VOC Emission Rates for Time Period 3 . . . . . A-33

A-32. Victoria 1996 CO Emission Rates for Time Period 3 . . . . . A-34

A-33. Victoria 1996 NOX Emission Rates for Time Period 3 . . . . . A-35

A-34. Victoria 1996 VOC Emission Rates for Time Period 4 . . . . . A-36

A-35. Victoria 1996 CO Emission Rates for Time Period 4 . . . . . A-37

A-36. Victoria 1996 NOX Emission Rates for Time Period 4 . . . . . A-38

A-37. Victoria 2006 VOC Emission Rates for Time Period 1 . . . . . A-39

A-38. Victoria 2006 Emission Rates for Time Period 1 . . . . . A-40

A-39. Victoria 2006 Emission Rates for Time Period 1 . . . . . A-41

A-40. Victoria 2006 VOC Emission Rates for Time Period 2 . . . . . A-42

A-41. Victoria 2006 CO Emission Rates for Time Period 2 . . . . . A-43

A-42. Victoria 2006 NOX Emission Rates for Time Period 2 . . . . . A-44

A-43. Victoria 2006 VOC Emission Rates for Time Period 3 . . . . . A-45

A-44. Victoria 2006 CO Emission Rates for Time Period 3 . . . . . A-46

A-45. Victoria 2006 NOX Emission Rates for Time Period 3 . . . . . A-47

A-46. Victoria 2006 VOC Emission Rates for Time Period 4 . . . . . A-48

A-47. Victoria 2006 CO Emission Rates for Time Period 4 . . . . . A-49

A-48. Victoria 2006 NOX Emission Rates for Time Period 4 . . . . . A-50

A-49. Victoria 2015 VOC Emission Rates for Time Period 1 . . . . . A-51

A-50. Victoria 2015 CO Emission Rates for Time Period 1 . . . . . A-52

A-51. Victoria 2015 NOX Emission Rates for Time Period 1 . . . . . A-53

A-52. Victoria 2015 VOC Emission Rates for Time Period 2 . . . . . A-54

A-53. Victoria 2015 CO Emission Rates for Time Period 2 . . . . . A-55

A-54. Victoria 2015 NOX Emission Rates for Time Period 2 . . . . . A-56

A-55. Victoria 2015 VOC Emission Rates for Time Period 3 . . . . . A-57

A-56. Victoria 2015 CO Emission Rates for Time Period 3 . . . . . A-58

A-57. Victoria 2015 NOX Emission Rates for Time Period 3 . . . . . A-59

A-58. Victoria 2015 VOC Emission Rates for Time Period 4 . . . . . A-60

A-59. Victoria 2015 CO Emission Rates for Time Period 4 . . . . . A-61

A-60. Victoria 2015 NOX Emission Rates for Time Period 4 . . . . . A-62

A-61. Victoria 1990 24-Hour Diurnal Rates . . . . . A-63

A-62. Victoria 1996 24-Hour Diurnal Rates . . . . . A-63

A-63. Victoria 2006 24-Hour Diurnal Rates . . . . . A-63

A-64. Victoria 2015 24-Hour Diurnal Rates . . . . . A-63

# SUMMARY

## EMISSION ESTIMATION METHODOLOGY

For the conformity analyses, a series of 24-hour assignments were performed for the Victoria County region for the 1990 base year and for the Build and No Build Options for 1996, 2006, and 2015. Summer VMT, speeds, and mobile source emission estimates were developed for each of these assignments. The following briefly describes the methodology used in developing the estimates. The current networks for the region covers all of Victoria County. The emission estimates are developed by county. The emission estimation methodology provides complete coverage for Victoria County.

A series of programs (developed by the Texas Transportation Institute to facilitate the estimation of mobile source emissions) was used for the conformity analyses. The three programs used for computing the mobile source emissions for the Victoria County analyses are:

PREPIN — The PREPIN program was developed for use in urban areas (such as Victoria) which do not have time-of-day assignments and speeds available for air quality analyses. The program inputs a 24-hour assignment and applies the needed seasonal adjustment factors and time-of-day factors to the time-of-day travel. The Dallas-Fort Worth speed models are used to estimate the operational time-of-day speeds on the links. The VMT and speeds by link are subsequently input to the IMPSUM program for estimating emissions.

POLFAC5A — The POLFAC5A program obtains emission rates using MOBILE5a.

IMPSUM — The IMPSUM program applies the emission rates (obtained from POLFAC5A) and VMT mixes to the time-of-day VMT and speed estimates to estimate the emissions.

Using the PREPIN software, the Victoria County 24-hour assignments were used to develop seasonally adjusted time-of-day AAWT VMT and speed estimates for four time-of-day periods:

| | |
|---|---|
| Morning Peak Hour: | 7:15 a.m. - 8:15 a.m. |
| Midday: | 8:15 a.m. - 4:45 p.m. |
| Afternoon Peak Hour: | 4:45 p.m. - 5:45 p.m. |
| Overnight: | 5:45 p.m. - 7:15 a.m. |

The volumes and VMT are seasonally adjusted to represent the summer season before the time-of-day volumes and speeds are estimated.

The POLFAC5A program was applied to develop the seasonal emission factors for each time-of-day period for each of the application years. The average summer event day temperatures

for the subject time-of-day period were estimated and input to the POLFAC5A application of the MOBILE5a model. A separate 24-hour application of MOBILE5a was used to develop the diurnal emission rates.

Finally, IMPSUM was applied to estimate the emissions for each of the four time-of-day periods. The 24-hour diurnal estimates were computed using the 24-hour diurnal rates. The county emission estimates for each of the four time-of-day periods and the diurnal estimates were summed to develop the final emission estimates.

# I. INTRODUCTION

The purpose of this report is to document the mobile source emission estimation methodology used for the conformity analysis of the Transportation Improvement Program (TIP) and the metropolitan plan for Victoria County. The remainder of this chapter provides a brief overview of the emission estimation methodology and the 24-hour traffic assignments used in the analyses. Chapter II describes the methods used to estimate the seasonally adjusted time-of-day vehicle miles of travel (VMT) and associated operating speeds. Chapter III discusses the estimation of the emission rates using the EPA's MOBILE5a program. Chapter IV briefly outlines the method used to develop the emission estimates using the MOBILE5a emission rates and compares the emission estimates for the Build and No Build options.

## OVERVIEW OF EMISSION ESTIMATION METHODOLOGY

For the conformity analyses, a series of 24-hour assignments was performed for the Victoria region for the 1990 base year and for the Build and No Build options for 1996, 2006, and 2015. Summer mobile source emission estimates were developed for each of these assignments. These conformity analyses did not use TTI's IMPACT program for the estimation of mobile source emissions. Instead, a new series of programs (i.e., the POLFAC5A, PREPIN, and IMPSUM programs developed by TTI) were used for these analyses. The following briefly describes the methodology and software used in developing the estimates.

A series of programs (developed by TTI to facilitate the application of EPA's MOBILE5a program in estimating mobile source emissions) was used for the conformity analyses. The three programs used for computing the mobile source emissions for the Victoria analyses are:

PREPIN — The PREPIN program was developed for use in urban areas (such as Victoria) which do not have time-of-day assignments and speeds available for air quality analyses. The program inputs a 24-hour assignment and applies the needed seasonal adjustment factors. The time-of-day factors are applied to the seasonally adjusted 24-hour assignment results to estimate the directional time-of-day travel. The Dallas-Fort Worth speed models are used to estimate the operational time-of-day speeds by direction on the links. Special intrazonal links are defined, and the VMT and speeds for intrazonal trips are estimated. These VMT and speeds by link are subsequently input to the IMPSUM program for the application of MOBILE5a emission factors.

POLFAC5A — The POLFAC5A program is used to apply the EPA's MOBILE5a program to obtain the emission FACTORS (rates). The MOBILE5a emission factors are obtained for eight vehicle types and 63 speeds (i.e., 3 mph through 65 mph) for each vehicle type. Hence, there are 504 factors (i.e., 8 x 63 = 504) for each pollution type for each county. Three pollution types were

computed: VOC, CO and NOX. Hence, for a given county there are 1,512 emission factors. These emission factors are output to an ASCII file for subsequent input to the IMPSUM program. POLFAC5A is applied for each time-of-day time period being used. These time-of-day emission factors are applied using the IMPSUM program to time-of-day VMT estimates by link.

IMPSUM

The IMPSUM program applies the emission rates (obtained from POLFAC5A) and VMT mixes to the time-of-day VMT and speed estimates to estimate the emissions. The basic inputs to IMPSUM are:

1. Data specifying the number of counties in the region and their names.

2. Names of the roadway types used in the study. These roadway types are used to summarize the emission results.

3. VMT mix by county and roadway type.

4. MOBILE5a emission factors developed using POLFAC5A by county.

5. Specification of the units for reporting emissions (grams, pounds or tons).

6. Abbreviated assignment results by link input for the subject time period. PREPIN allows the user to estimate the VMT and speed on each link by time period. For each link, the following information is input to IMPSUM: county number, roadway type number, VMT on link, operational speed estimate, and link distance.

Using these input data, the VMT for each link is stratified by the eight vehicle types, and the MOBILE5a emission factors are applied to estimate the mobile source emissions for that link. The emissions for each county and emission type are reported by both roadway type and vehicle type (i.e., cross-classified by roadway type and vehicle type).

Using the PREPIN software, the Victoria 24-hour assignments were used to develop seasonally adjusted time-of-day AAWT VMT and speed estimates for four time-of-day periods:

| | | |
|---|---|---|
| 1. | Morning Peak Hour | 7:15 a.m. - 8:15 a.m. |
| 2. | Midday | 8:15 a.m. - 4:45 p.m. |
| 3. | Afternoon Peak Hour | 4:45 p.m. - 5:45 p.m. |
| 4. | Overnight | 5:45 p.m. - 7:15 a.m. |

Separate time-of-day AAWT VMT and speed estimates were developed for the summer season.

POLFAC5A was applied to develop the seasonal emission factors for each time-of-day period for each of the application years. The average temperature for the subject season and subject time-of-day period was an input to the POLFAC5A application of the MOBILE5a model. Separate 24-hour applications of MOBILE5a were used to develop the diurnal emission rates.

Finally, IMPSUM was applied to estimate the emissions for each of the four time-of-day periods. The 24-hour diurnal estimates were computed using the 24-hour diurnal rates. The emission estimates for each of the four time-of-day periods and the diurnal estimates were summed to develop the final emission estimates.

## 24-HOUR TRAFFIC ASSIGNMENTS

The 24-hour capacity restrained traffic assignments were developed by the Transportation Planning and Programming Division of TxDOT in a cooperative effort with the Yoakum District Office of TxDOT and the Victoria MPO. Table I-1 summarizes the 24-hour highway assignments used in these analyses.

**Table I-1**
**24-Hour Traffic Assignments**

| Traffic Assignment | Trip Table Year | Network Year |
|---|---|---|
| 1. 1990 Base Year | 1990 | 1990 |
| 2. 1996 Build Option | 1996 | 1996 |
| 3. 1996 No Build Option | 1996 | 1993 |
| 4. 2006 Build Option | 2006 | 2006 |
| 5. 2006 No Build Option | 2006 | 1993 |
| 6. 2015 Build Option | 2015 | 2015 |
| 7. 2015 No Build | 2015 | 1993 |

These analyses used five highway networks (the 1990, 1993, 1996, 2006, and 2015 networks). The 1993 network was used to represent the No Build option for the conformity analyses.

## II. ESTIMATION OF TIME-OF-DAY VMT AND SPEEDS

The time-of-day VMT and speed estimates for Victoria County were developed using PREPIN. PREPIN is one of a series of programs developed by TTI to facilitate the application of EPA's MOBILE5a program in estimating mobile source emissions. PREPIN was developed for use in urban areas (such as Victoria) which do not have time-of-day assignments and speeds available for air quality analyses. The program inputs a 24-hour assignment and applies the needed seasonal adjustment factors. The time-of-day factors were applied to the seasonally adjusted 24-hour assignment results to estimate the directional time-of-day travel. The Dallas-Fort Worth speed models were used to estimate the operational time-of-day speeds by direction on the links. Special intrazonal links were defined, and the VMT and speeds for intrazonal trips were estimated. These VMT and speeds by link were subsequently input to IMPSUM for the application of MOBILE5a emission factors. TTI Research Report 1279-2, "User's Guide for the Texas Mobile Source Emission Estimation Software: PREPIN, POLFAC5A, COADJ, IMPSUM, and SUMALL," provides a detailed description of these programs.

For the conformity analyses, a series of 24-hour assignments were performed for the Victoria region for the 1990 base year and for the Build and No Build options for 1996, 2006, and 2015. For a given application year and season, four applications of PREPIN were run to estimate the directional VMT and speeds for each of four time periods comprising the 24-hour period:

| | |
|---|---|
| Morning Peak Hour | 7:15 a.m. - 8:15 a.m. |
| Midday | 8:15 a.m. - 4:45 p.m. |
| Afternoon Peak Hour | 4:45 p.m. - 5:45 p.m. |
| Overnight | 5:45 p.m. - 7:15 a.m. |

For a given application of the PREPIN program for the Victoria conformity analyses, the following parameters and data were input to PREPIN:

- County table of equals
- Area type table of equals
- Seasonal adjustment factor
- HPMS scale factor
- Time-of-day factor
- Directional split estimates
- Time-of-day capacity factors
- Freeflow speed factors
- Coefficients for the Dallas-Fort Worth speed estimation model
- Assignment trip table
- Zonal radii data
- Capacity restrained assignment results

The remainder of this chapter discusses these key input data used in the Victoria PREPIN applications to prepare the time-of-day VMT and speed estimates. The primary output of PREPIN

is a data set for the subject time period containing two records for each link (i.e., one record specifying the estimated time-of-day VMT and speed in the peak, or principal direction, and the second record specifying the estimated VMT and speed in the opposite direction). This data set is subsequently input to IMPSUM which applies the MOBILE5a emission rates (developed using POLFAC5A) to estimate the mobile source emissions for each link. Finally, the SUMALL program combines the time-of-day emission estimates and computes the 24-hour diurnal estimates to obtain the 24-hour emission estimates.

## COUNTY SPECIFICATIONS

PREPIN provides for processing an assignment comprised of up to eight counties. Various summaries are produced by county and for the entire region. For a given application, the counties are numbered sequentially starting with one. The county table of equals data input to PREPIN specifies the zone numbers contained in each county. In the case of Victoria, the region is comprised of only one county. Hence, all zones in the Victoria region are equated to County 1. Each link in the network is assigned an associated zone number. Using the link's associated zone number, the county within which the link is located is determined using these input data. The county number is included in the link record output data set produced by PREPIN. The specification of the county number in these data allow IMPSUM to accumulate and report the mobile source emissions estimates by county.

## AREA TYPE SPECIFICATIONS

PREPIN allows various factors to be specified by area type number and functional classification number. The Victoria regional models use four area types:

1. Central Business District (CBD)
2. Urban
3. Suburban
4. Rural

The Victoria area type table of equals specifies the zones contained in each of the four area types. Using the link's associated zone number, the area type within which the link is located is determined.

## SEASONAL ADJUSTMENT FACTORS

Because 24-hour travel on the highway system varies somewhat by season, PREPIN provides for the input and application of seasonal adjustment factors to account for the seasonal variations. The seasonal adjustment factors are applied to the 24-hour link volumes to estimate the seasonally adjusted 24-hour volumes and VMT. One set of seasonal adjustments was employed in the Victoria conformity analyses, Summer Seasonal Adjustment Factors. The

following is the seasonal adjustment factor used in the Victoria conformity analyses:

| Season | Area Types | Factor |
|---|---|---|
| Summer (June - August) | 1 - 4 | 1.044 |

These factors were estimated using data from 1990 Annual Report Permanent Automatic Traffic Recorders (published by TxDOT). The following describes the procedures used to estimate the seasonal adjustment factors.

## SUMMER SEASONAL ADJUSTMENT FACTOR COMPUTATIONS

The travel models are assumed to simulate AWT for a typical school year (September through May) and weekday (Monday through Thursday). For purposes of estimating typical ozone (O3) season (June through August) weekday (Monday through Friday) AWT, the (Monday through Thursday) AWT from the travel model was adjusted in two steps. The first step was to adjust Monday through Thursday travel to Monday through Friday travel using the ratio of Monday through Thursday AAWT to Monday through Friday AAWT for the September through May time period. The second step was to adjust the September through May, Monday through Friday AAWT to June through August, Monday through Friday AAWT. The two adjustment factors were then multiplied to provide the total adjustment factor. Data from the ATR stations were used to calculate the adjustment factors.

One automatic traffic recorder (ATR) is permanently located in Victoria County. The location and adjustment factor are:

S116 US 59, 0.8 miles east of Loop 175, Victoria
June - August 1990, Monday - Friday
Factor 1.044

The travel model AWT was adjusted using 104.4 calculated by taking the average of the adjustment factors for the summer season.

## HPMS SCALE FACTORS

The HPMFAC records provide a method of adjusting link volumes and VMT to correspond with the HPMS estimate of VMT by county and functional class. The factor used to adjust the modeled VMT to HPMS VMT was developed by dividing the 1990 HPMS VMT, provided by TxDOT, by 1990 Modeled VMT, calculated by TTI. The HPMS factor used for the Victoria conformity analysis was 0.7978.

## TIME-OF-DAY TRAVEL FACTORS

The 1990 household travel survey data for three study areas (San Antonio, Amarillo, and Brownsville) were processed to develop the estimated portions of travel by time of day. Table II-1 summarizes the results obtained from the three studies and the averages used in the conformity analyses. These average percentages are applied to the seasonally adjusted volumes and VMT to estimate the volumes and VMT for each of the four time periods.

**Table II-1**
**Portions of Travel by Time Periods**
**(in percentages)**

| | SAN ANTONIO | AMARILLO | BROWNSVILLE | AVERAGE |
|---|---|---|---|---|
| 7:15 am to 8:15 am | 10.88 | 10.84 | 10.34 | 10.69 |
| 8:15 am to 4:45 pm | 48.13 | 51.17 | 51.71 | 50.33 |
| 4:45 pm to 5:45 pm | 10.34 | 10.78 | 9.41 | 10.18 |
| 5:45 pm to 7:15 am | 30.66 | 27.21 | 28.54 | 28.80 |
| TOTALS | 100.00 | 100.00 | 100.00 | 100.00 |
| Number of Vehicle Trips in the Sample | 15,466 | 20,844 | 9,567 | - |

## TIME-OF-DAY DIRECTIONAL SPLIT ESTIMATES

The 24-hour link assignment volumes are nondirectional volumes (i.e., the sum of the volumes in the two directions on a link). The seasonal adjustment factor and time-of-day travel factor are applied to estimate the seasonally adjusted time-of-day volume on a link. PREPIN provides for the application of directional splits to estimate the portion of the travel expected to occur in each direction. These directional volume estimates are used to estimate the directional speeds. PREPIN outputs two link records for a link: a link record containing the estimated VMT and speed in the peak (or dominant) direction and a link record containing the estimated VMT and speed in the off-peak (or opposite) direction. This allows IMPSUM to apply the MOBILE5a emission factors directionally by speed.

Time-of-day directional split area type and facility type were estimated by TTI based on directional splits estimated for the Jefferson-Orange-Hardin Regional Transportation Study. Table

II-2 summarizes the morning peak directional split used in the Victoria PREPIN applications. Table II-3 summarizes the directional splits used for the off-peak periods, and Table II-4 summarizes the directional splits used for the afternoon peak period.

**Table II-2**
**Morning Peak-Period Directional Split Estimates for Victoria**

| AREA TYPES | FUNCTIONAL CLASSIFICATIONS | | | | |
|---|---|---|---|---|---|
| | 0 | 1 | 2 | 4 | 5 |
| | Centroid Connectors | IH | Divided & Undivided Highway | Divided Arterials | Undivided Arterials |
| 1 CBD | 55.0 | 50.0 | 54.0 | 51.0 | 51.0 |
| 2 Urban | 80.0 | 55.0 | 65.0 | 53.0 | 53.0 |
| 3 Suburban | 75.0 | 59.0 | 70.0 | 53.0 | 53.0 |
| 4 Rural | 70.0 | 71.0 | 65.0 | 70.0 | 70.0 |



**Table II-3**
**Off-Peak Directional Split Estimates for Victoria**

| AREA TYPES | FUNCTIONAL CLASSIFICATIONS | | | | |
|---|---|---|---|---|---|
| | 0 | 1 | 2 | 4 | 5 |
| | Centroid Connectors | IH | Divided & Undivided Highway | Divided Arterials | Undivided Arterials |
| 1 CBD | 55.0 | 52.0 | 54.0 | 53.0 | 53.0 |
| 2 Urban | 51.0 | 53.0 | 55.0 | 52.0 | 52.0 |
| 3 Suburban | 52.0 | 53.0 | 53.0 | 52.0 | 52.0 |
| 4 Rural | 55.0 | 53.0 | 55.0 | 55.0 | 55.0 |

**Table II-4**
**Afternoon Peak-Period Directional Split Estimates for Victoria**

| AREA TYPES | FUNCTIONAL CLASSIFICATIONS | | | | |
|---|---|---|---|---|---|
| | 0 | 1 | 2 | 4 | 5 |
| | Centroid Connectors | IH | Divided & Undivided Highway | Divided Arterials | Undivided Arterials |
| 1 CBD | 56.0 | 55.0 | 55.0 | 52.0 | 52.0 |
| 2 Urban | 78.0 | 60.0 | 62.0 | 56.0 | 56.0 |
| 3 Suburban | 76.0 | 63.0 | 65.0 | 56.0 | 56.0 |
| 4 Rural | 69.0 | 66.0 | 60.0 | 64.0 | 64.0 |

## TIME-OF-DAY CAPACITY FACTORS

The 24-hour capacity restraint assignments are performed using nondirectional 24-hour capacities. The nondirectional capacities are included in the assignment data set which is input to PREPIN. User-supplied time-of-day capacity factors are applied to the nondirectional capacity (or service volume) for the subject time period. In computing the directional V/C ratio for estimating the directional speeds, PREPIN assumes the directional split for capacity to be 50-50.

Table II-5 summarizes the typical 24-hour capacities per lane used in the Victoria highway networks. Table II-6 summarizes the estimated hourly capacities per lane used in developing the capacity factors. These capacities were developed to be consistent with the hourly capacities used in the Dallas-Fort Worth region for applying their speed models. The capacity factors for a given time period are computed as follows:

$$Capacity\ Factor = \frac{(Hourly\ Capacity\ per\ Lane)(Length\ of\ the\ Time\ Period)}{24\text{-}hour\ Capacity\ per\ Lane}$$

The length of the time period is specified in hours. Capacity factors (stratified by area type and functional class) were computed for each of the four time periods.

## FREEFLOW SPEED FACTORS

The application of the Dallas-Fort Worth speed models requires an estimate of the freeflow speed on the link. These freeflow speed estimates are computed using the 24-hour speeds input on the link data. The freeflow speed factors (stratified by area type and functional class) are applied to the 24-hour nondirectional link speeds to estimate the freeflow speed. The freeflow speed is assumed to be the same in each direction.

Table II-7 summarizes the typical 24-hour speeds used in the 1990 Victoria highway network. Table II-8 summarizes the typical freeflow speed estimates used in estimating the freeflow speed factors. These freeflow speed estimates were developed to be consistent with those used in the 1990 Victoria emission inventories. The freeflow speed factor for a given functional class and area type is computed by simply dividing the freeflow speed by the 24-hour speed. These user-estimated factors are input to the PREPIN program using SPDFAC records.

**Table II-5**
**Typical 24-Hour Capacities per Lane for the Victoria Network**

| AREA TYPES | FUNCTIONAL CLASSIFICATIONS | | | | |
|---|---|---|---|---|---|
| | 0 | 1 | 2 | 4 | 5 |
| | Centroid Connectors | IH | Divided & Undivided Highway | Divided Arterials | Undivided Arterials |
| 1 CBD | - | 8,250.0 | 7,666.7 | 6,777.8 | 4,525.0 |
| 2 Urban | - | 8,000.0 | 6,250.0 | 6,900.0 | 6,060.8 |
| 3 Suburban | - | 7,750.0 | 8,900.0 | 5,037.8 | 4,688.7 |
| 4 Rural | - | 7,600.0 | 4,512.7 | 4,055.4 | 4,199.5 |



**Table II-6**
**Estimated Typical Hourly Capacities per Lane for Victoria Network**

| AREA TYPES | FUNCTIONAL CLASSIFICATIONS | | | | |
|---|---|---|---|---|---|
| | 0 | 1 | 2 | 4 | 5 |
| | Centroid Connectors | IH | Divided & Undivided Highway | Divided Arterials | Undivided Arterials |
| 1 CBD | | 1,800.0 | 525.0 | 550.0 | 500.0 |
| 2 Urban | - | 1,875.0 | 600.0 | 625.0 | 575.0 |
| 3 Suburban | - | 1,950.0 | 675.0 | 700.0 | 625.0 |
| 4 Rural | - | 2,000.0 | 725.0 | 750.0 | 675.0 |

**Table II-7**
**Average 24-Hour Speeds for the Victoria Network**

| AREA TYPES | FUNCTIONAL CLASSIFICATIONS | | | | |
|---|---|---|---|---|---|
| | 0 | 1 | 2 | 4 | 5 |
| | Centroid Connectors | IH | Divided & Undivided Highway | Divided Arterials | Undivided Arterials |
| 1 CBD | 15.90 | 25.00 | 19.33 | 18.33 | 26.76 |
| 2 Urban | 20.97 | 30.00 | 39.33 | 38.42 | 32.02 |
| 3 Suburban | 23.79 | 35.00 | 47.14 | 41.86 | 38.44 |
| 4 Rural | 48.11 | 40.65 | 49.40 | 52.90 | 54.58 |



**Table II-8**
**Estimated Typical Freeflow Speeds for the Victoria Network**

| AREA TYPES | FUNCTIONAL CLASSIFICATIONS | | | | |
|---|---|---|---|---|---|
| | 0 | 1 | 2 | 4 | 5 |
| | Centroid Connectors | IH | Divided & Undivided Highway | Divided Arterials | Undivided Arterials |
| 1 CBD | 15.90 | 55.00 | 21.01 | 19.93 | 29.09 |
| 2 Urban | 20.97 | 55.00 | 42.75 | 41.77 | 34.81 |
| 3 Suburban | 23.79 | 55.00 | 51.24 | 45.50 | 41.78 |
| 4 Rural | 48.11 | 65.00 | 53.69 | 57.50 | 59.32 |

## SPEED MODEL PARAMETERS

In the Dallas-Fort Worth speed model implemented in PREPIN, the directional delay (in minutes per mile) due to congestion is computed using a volume-delay equation. The following is the general form of the volume-delay equation used in the model:

$$Delay = Min\ [A\, e^{B(\frac{V}{C})}, M]$$

Where:

| | | |
|---|---|---|
| Delay | = | Congestion delay (in minutes/mile) |
| A & B | = | Volume-Delay Equation Coefficients (input via DELAY records into PREPIN) |
| M | = | Maximum minutes of delay per mile, read from the DELAY cards |
| V/C | = | Time-of-day directional V/C ratio |

Two sets of coefficients and constraints were developed by the NCTCOG for the D-FW model: one for high-capacity facilities and one for low-capacity facilities. High-capacity facilities (usually freeways) are defined as those having a capacity exceeding 3,400 vehicles per hour (one way). The volume-delay equation parameters which were developed by the NCTCOG in late 1992 for use in the D-FW air quality analyses are presented in Table II-9.

**Table II-9**
**Volume-Delay Equation Parameters**

| Parameters | Parameter Values | |
|---|---|---|
| | High-Capacity Facilities | Low-Capacity Facilities |
| A | 0.015 | 0.050 |
| B | 3.5 | 3.0 |
| M | 5.0 | 10.0 |

Because the functional classification codes used in the link data may vary from study area to study area, PREPIN requires that the user specify the desired delay equation parameters by county and functional class. For the Victoria conformity applications, the high-capacity facilities parameter values in Table II-9 were used for functional classification 1 (i.e., the IH, Freeway). The low-capacity facilities parameter values in Table II-9 were used for all other functional

classes. The speed models are not applied to centroid connectors. Because centroid connectors represent local streets which generally are relatively uncongested, it is assumed the 24-hour speed is representative of both the peak and off-peak speeds on these facilities.

Given the estimated directional delay (in minutes/mile) and the estimated freeflow speed, the directional congested speed is computed as follows:

$$Congested\ speed = \frac{60}{\frac{60}{Freeflow\ speed} + Delay}$$

These congested directional speed estimates for each link are included in the link records produced by PREPIN for subsequent input to IMPSUM to estimate the mobile source emissions for the traffic moving at this estimated speed.

## OTHER DATA INPUTS

The remaining data inputs to PREPIN are:

- The 24-Hour Assignment Data Set: This network data is set produced by the Texas Assignment Package which contains the capacity restraint assignment results. PREPIN uses this data set to obtain the following information for each link: the link's A-node and B-node numbers, the link's functional class, link distance, input link data speed, and final nondirectional capacity restrained assignment volume.

- The Assignment Trip Table: This packed 24-hour assignment trip table data set is used to produce the subject assignment. PREPIN uses this data set to obtain the 24-hour intrazonal trips for each zone.

- The Zonal Radii Data: These data are the zonal radii estimates used as input to the trip distribution model applications for the Victoria area. These zonal radii estimates are used by PREPIN to estimate the average trip length of intrazonal trips.

These data sets were developed by TxDOT for use in the Victoria conformity analyses.

## III. ESTIMATION OF EMISSION RATES USING MOBILE5a

The MOBILE5a program was used to compute the mobile source emission rates (or factors) for the Victoria Conformity Analyses. MOBILE5a was used directly for computing 24-hour diurnal emission rates. MOBILE5a was applied using POLFAC5A to estimate the emission factors by speed for each of the four time-of-day time periods (i.e., AM Peak Hour, Midday, PM Peak Hour, and Overnight).

POLFAC5A is one of a series of programs developed by the Texas Transportation Institute to facilitate the computation of mobile source emissions. POLFAC5A was used to apply MOBILE5a to obtain emission factors. The emission factors were obtained for eight vehicle types and 63 speeds (i.e., 3 mph through 65 mph) for each vehicle type. Hence, there are 504 factors (i.e., 8 x 63 = 504) for each pollution type for each county. Three pollution types were computed: VOC, CO, and NOX. Hence, for each county there are 1,512 emission factors. These emission factors are output to an ASCII file for subsequent input to either IMPSUM or COADJ. For Victoria, POLFAC5A was applied for each of the four time-of-day time periods for a given year and season. The emission factors from POLFAC5A were applied using IMPSUM to estimate emissions.

The MOBILE5a set-up data were input to the POLFAC5A program. TxDOT's Transportation Planning and Programming Division provided the 1990 MOBILE5a set-up for Victoria. As requested by TxDOT, the 1996, 2006, and 2015 MOBILE5a set-ups were prepared by changing the target year in the subject year and changing the Reid Vapor Pressure (RVP) value in the set-ups. The RVP for 1990 was 8.3 p.s.i., and the RVP used for all years beyond 1992 is 8.7 p.s.i. The MOBILE5a set-ups used the default vehicle age distributions. The estimates of total registered vehicles in Victoria County were obtained and used to estimate the diurnals. The estimated distribution of registered vehicles by vehicle type (i.e., the vehicle mix) was developed using the default values in MOBILE5a.

### ESTIMATION OF TEMPERATURES BY TIME-OF-DAY

The 1990 MOBILE5a set-up provided by TxDOT included the temperature range of 74.5 to 93.2 degrees, as shown in Table III-1.

**Table III-1**
**Temperature Ranges**

| Season | Low | High | Ambient |
|---|---|---|---|
| Summer Ozone | 74.5 | 93.2 | 87.0 |

Because hourly temperature data were not available for the Victoria region, the temperature range data were used to estimate the average temperature by time period during the day. Because Jefferson County is similar to Victoria County, the temperature estimates for Jefferson County, shown in Table III-2, were used to estimate the Victoria temperatures by time period. Four time-of-day temperature estimates were developed for the summer temperature variations. The average temperature for each time period was computed using these data; they are summarized in Table III-3.

The Jefferson County data used observed data to estimate the average temperatures for the four time periods by temperature range. The value of P in the following formula was computed for each time period:

$$T_i = T_{low} + P_i(T_{high} - T_{low})$$

Where:

| | | |
|---|---|---|
| $T_i$ | = | Temperature for time period $i$ |
| $T_{low}$ | = | Low temperature |
| $T_{high}$ | = | High temperature |
| $P_i$ | = | P factor for time period $i$ |

The P factors for each time period are also summarized in Table III-2.

The estimated temperatures for each time period were computed using the high and low temperatures, and the P factors for Jefferson County were developed using the observed data (see Table III-2). The resulting estimated average temperatures for each of the four time periods, which were used for Victoria County, are shown in Table III-3.

Diurnal rates were computed using a separate application of MOBILE5a. Each application of MOBILE5a requires three temperature inputs: low temperature, high temperature, and ambient temperature. To avoid computing diurnals for the four time periods, the same temperature was input for the low, the high and the ambient temperatures. Table III-4 lists the temperature inputs for each of the four time periods and the 24-hour diurnal applications for Victoria.

**Table III-2**
**Temperature Data for Jefferson County 1990**
**Minimum Temperature 70, Maximum Temperature 93**

| | Summer | |
|---|---|---|
| | Average Temperature | P Factor |
| Time Period 1 (AM Peak) | 75.9 | .26 |
| Time Period 2 (Midday) | 89.1 | .83 |
| Time Period 3 (PM Peak) | 90.5 | .89 |
| Time Period 4 (Overnight) | 76.3 | .27 |

**Table III-3**
**Temperature Data for Victoria County 1990**
**Minimum Temperature 74.5, Maximum Temperature 93.2**

| | Summer | |
|---|---|---|
| | Estimated Temp | P Factor |
| Time Period 1 (AM Peak) | 79.4 | .26 |
| Time Period 2 (Midday) | 90.0 | .83 |
| Time Period 3 (PM Peak) | 91.1 | .89 |
| Time Period 4 (Overnight) | 79.6 | .27 |

**Table III-4**
**MOBILE5a Temperature Inputs Used for Victoria Conformity Applications**

| | MOBILE5a Temperature Inputs | | |
|---|---|---|---|
| | Low | High | Ambient |
| Summer: 24-Hour Diurnal Application | 74.5 | 93.2 | 87.0 |
| Summer: Time Period 1 (AM Peak) | 79.4 | 79.4 | 79.4 |
| Summer: Time Period 2 (Midday) | 90.0 | 90.0 | 90.0 |
| Summer: Time Period 3 (PM Peak) | 91.1 | 91.1 | 91.1 |
| Summer: Time Period 4 (Overnight) | 79.6 | 79.6 | 79.6 |

## MOBILE5a SET-UPS

Tables III-5 through III-8 are the four summer 1990 MOBILE5a set-ups used to develop the 1990 summer emission factors for Time Periods 1 though 4 (i.e., the AM Peak, Midday, PM Peak, and Overnight periods, respectively). The temperatures are the only changes made in the set-ups to develop the emission factors for Time Period 2 (Midday), Time Period 3 (PM Peak Period) and Time Period 4 (Overnight). The temperature inputs used for the four time periods are listed Table III-4.

Tables III-9, III-14, III-19, III-24, and III-29 are the summer MOBILE5a set-ups used to develop the 1990, 1993, 1996, 2006, and 2015 summer 24-hour diurnal emission rates, respectively. These sets of rates are input to the SUMALL program for computing the 24-hour diurnals.

Tables III-10 through III-13 are the four summer 1993 MOBILE5a set-ups used to develop the 1993 summer emission factors for Time Periods 1 though 4. The temperatures are the only changes made in the set-ups to develop the emission factors for Time Period 2, Time Period 3, and Time Period 4. The temperature inputs used for the four time periods are listed Table III-4.

Tables III-15 through III-18 are the four summer 1996 MOBILE5a set-ups used to develop the 1996 summer emission factors for Time Periods 1 though 4. The temperatures are the only changes made in the set-ups to develop the emission factors for Time Period 2, Time Period 3, and Time Period 4. The temperature inputs used for the four time periods are listed Table III-4.

Tables III-20 through III-23 are the four summer 2006 MOBILE5a set-ups used to develop the 2006 summer emission factors for Time Periods 1 though 4. The temperatures are the only changes made in the set-ups to develop the emission factors for Time Period 2, Time Period 3, and Time Period 4. The temperature inputs used for the four time periods are listed Table III-4.

Tables III-25 through III-28 are the four summer 2015 MOBILE5a set-ups used to develop the 2015 summer emission factors for Time Periods 1 though 4. The temperatures are the only changes made in the set-ups to develop the emission factors for Time Period 2, Time Period 3, and Time Period 4. The temperature inputs used for the four time periods are listed Table III-4.

## Table III-5
## Summer 1990 Victoria County MOBILE5a Set-Up
## Time Period 1

```
 A SINGLE SCENARIO WILL BE RUN FOR SPEEDS FROM 3 TO 65 MPH
1                MOBILE4 DATA INPUT
 1996       PROMPT
 1 Victoria County  1990 Estimated Emissions - TP 1
 1          TAMFLG  - Default: Tampering Rates
 1          SPDFLG  - User input: one speed for all vehicle types
 1          VMFLAG  - MOBILE5A VHT Mix for 1990
 1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
 1          NEWFLG  - Default: Basic exhaust emission rates
 1          IMFLAG  -      no   I/M
 1          ALHFLG  - No additional correction factors
 1          ATPFLG  -      no   atp
 5          RLFLAG  - Zero-out refueling emissions
 2          LOCFLG  - User input: one LAP record for all scenarios
 2          TEMFLG  - User input temperature
 4          OUTFMT  - 80-column descriptive format
 4          PRTFLG  - Print all three pollutant emission factors
 1          IDLFLG  - No idle emissions calculated or printed
 3          NMHFLG  - Print HC = volatile organic compounds (VOC)
 1          HCFLAG  - Print total HC
 Victoria 90        79.4 79.4 08.3 08.3 90                    LAP
 1 90 30.0 79.4 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-6
## Summer 1990 Victoria County MOBILE5a Set-Up
## Time Period 2

```
 1996       PROMPT
 1 Victoria County  1990 Estimated Emissions - TP 2
 1          TAMFLG  - Default: Tampering Rates
 1          SPDFLG  - User input: one speed for all vehicle types
 1          VMFLAG  - MOBILE5A VHT Mix for 1990
 1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
 1          NEWFLG  - Default: Basic exhaust emission rates
 1          IMFLAG  -      no   I/M
 1          ALHFLG  - No additional correction factors
 1          ATPFLG  -      no   atp
 5          RLFLAG  - Zero-out refueling emissions
 2          LOCFLG  - User input: one LAP record for all scenarios
 2          TEMFLG  - User input temperature
 4          OUTFMT  - 80-column descriptive format
 4          PRTFLG  - Print all three pollutant emission factors
 1          IDLFLG  - No idle emissions calculated or printed
 3          NMHFLG  - Print HC = volatile organic compounds (VOC)
 1          HCFLAG  - Print total HC
 Victoria 90        90.0 90.0 08.3 08.3 90                    LAP
 1 90 30.0 90.0 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-7
## Summer 1990 Victoria County MOBILE5a Set-Up
## Time Period 3

```
1996       PROMPT
1 Victoria County  1990 Estimated Emissions - TP 3
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1990
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 90        91.1 91.1 08.3 08.3 90                    LAP
1 90 30.0 91.1 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-8
## Summer 1990 Victoria County MOBILE5a Set-Up
## Time Period 4

```
1996       PROMPT
1 Victoria County  1990 Estimated Emissions - TP 4
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1990
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 90        79.6 79.6 08.3 08.3 90                    LAP
1 90 30.0 79.6 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-9
## Summer 1990 Victoria County MOBILE5a Set-Up
## for 24-Hour Diurnal Rates

```
1          PROMPT
1 Victoria County  1990 Estimated Emissions - Diurnal
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1990
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
1          TEMFLG  - MOBILE5A calculates exhaust temperatures
3          OUTFMT  - 112-Descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
3          HCFLAG  - HC components
Victoria 90        74.5 93.2 08.3 08.3 90                    LAP
1 90 30.0 87.0 20.6 27.3 20.6  7                             SCN
```

## Table III-10
## Summer 1993 Victoria County MOBILE5a Set-Up
## Time Period 1

```
1996       PROMPT
1 Victoria County  1993 Estimated Emissions - TP 1
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1993
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 93        79.4 79.4 08.3 08.7 92                    LAP
1 93 30.0 79.4 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-11
## Summer 1993 Victoria County MOBILE5a Set-Up for Time Period 2

```
1996       PROMPT
1 Victoria County  1993 Estimated Emissions - TP 2
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1993
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 93        90.0 90.0 08.3 08.7 92                    LAP
1 93 30.0 90.0 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-12
## Summer 1993 Victoria County MOBILE5a Set-Up for Time Period 3

```
1996       PROMPT
1 Victoria County  1993 Estimated Emissions - TP 3
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1993
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 93        91.1 91.1 08.3 08.7 92                    LAP
1 93 30.0 91.1 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-13
## Summer 1993 Victoria County MOBILE5a Set-Up for Time Period 4

```
1996       PROMPT
1 Victoria County  1993 Estimated Emissions - TP 4
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1993
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 93        79.6 79.6 08.3 08.7 92                    LAP
1 93 30.0 79.6 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-14
## Summer 1990 Victoria County MOBILE5a Set-Up for 24-Hour Diurnal Rates

```
1          PROMPT
1 Victoria County  1993 Estimated Emissions
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1993
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
1          TEMFLG  - MOBILE5A calculates exhaust temperatures
3          OUTFMT  - 112-Descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
3          HCFLAG  - HC components
Victoria 93        74.5 93.2 08.3 08.7 92                    LAP
1 93 30.0 87.0 20.6 27.3 20.6  7                             SCN
```

## Table III-15
## Summer 1996 Victoria County MOBILE5a Set-Up for Time Period 1

```
1996       PROMPT
1 Victoria County  1996 Estimated Emissions - TP 1
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 96        79.4 79.4 08.3 08.7 92                    LAP
1 96 30.0 79.4 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-16
## Summer 1996 Victoria County MOBILE5a Set-Up for Time Period 2

```
1996       PROMPT
1 Victoria County  1996 Estimated Emissions - TP 2
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 96        90.0 90.0 08.3 08.7 92                    LAP
1 96 30.0 90.0 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-17
## Summer 1996 Victoria County MOBILE5a Set-Up for Time Period 3

```
1996       PROMPT
1 Victoria County  1996 Estimated Emissions - TP 3
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 96        91.1 91.1 08.3 08.7 92                    LAP
1 96 30.0 91.1 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-18
## Summer 1996 Victoria County MOBILE5a Set-Up for Time Period 4

```
1996       PROMPT
1 Victoria County  1996 Estimated Emissions - TP 4
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 96        79.6 79.6 08.3 08.7 92                    LAP
1 96 30.0 79.6 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-19
## Summer 1996 Victoria County MOBILE5a Set-Up for 24-Hour Diurnal Rates

```
1          PROMPT
1 Victoria County  1996 Estimated Emissions
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
1          TEMFLG  - MOBILE5A calculates exhaust temperatures
3          OUTFMT  - 112-Descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
3          HCFLAG  - HC components
Victoria 96        74.5 93.2 08.3 08.7 92                    LAP
1 96 30.0 87.0 20.6 27.3 20.6  7                             SCN
```

## Table III-20
## Summer 2006 Victoria County MOBILE5a Set-Up for Time Period 1

```
1996       PROMPT
1 Victoria County  2006 Estimated Emissions - TP 1
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 2006      79.4 79.4 08.3 08.7 92                    LAP
1 06 30.0 79.4 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-21
## Summer 2006 Victoria County MOBILE5a Set-Up for Time Period 2

```
1996       PROMPT
1 Victoria County  2006 Estimated Emissions - TP 2
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 2006      90.0 90.0 08.3 08.7 92                    LAP
1 06 30.0 90.0 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-22
## Summer 2006 Victoria County MOBILE5a Set-Up for Time Period 3

```
1996       PROMPT
1 Victoria County  2006 Estimated Emissions - TP 3
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 2006      91.1 91.1 08.3 08.7 92                    LAP
1 06 30.0 91.1 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-23
## Summer 2006 Victoria County MOBILE5a Set-Up for Time Period 4

```
1996       PROMPT
1 Victoria County  2006 Estimated Emissions - TP 4
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 2006      79.6 79.6 08.3 08.7 92                    LAP
1 06 30.0 79.6 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-24
## Summer 2006 Victoria County MOBILE5a Set-Up for 24-Hour Diurnal Rates

```
1          PROMPT
1 Victoria County  2006 Estimated Emissions
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
1          TEMFLG  - MOBILE5A calculates exhaust temperatures
3          OUTFMT  - 112-Descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
3          HCFLAG  - HC components
Victoria 2006      74.5 93.2 08.3 08.7 92                    LAP
1 06 30.0 87.0 20.6 27.3 20.6  7                             SCN
```

## Table III-25
## Summer 2015 Victoria County MOBILE5a Set-Up
## for Time Period 1

```
1996       PROMPT
1 Victoria County  2015 Estimated Emissions - TP 1
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 2015      79.4 79.4 08.3 08.7 92                    LAP
1 15 30.0 79.4 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-26
## Summer 2015 Victoria County MOBILE5a Set-Up
## for Time Period 2

```
1996       PROMPT
1 Victoria County  2015 Estimated Emissions - TP 2
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 2015      90.0 90.0 08.3 08.7 92                    LAP
1 15 30.0 90.0 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-27
## Summer 2015 Victoria County MOBILE5a Set-Up for Time Period 3

```
1996       PROMPT
1 Victoria County  2015 Estimated Emissions - TP 3
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 2015      91.1 91.1 08.3 08.7 92                    LAP
1 15 30.0 91.1 20.6 27.3 20.6  7                             SCN      1.A
```

## Table III-28
## Summer 2015 Victoria County MOBILE5a Set-Up for Time Period 4

```
1996       PROMPT
1 Victoria County  2015 Estimated Emissions - TP 4
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
2          TEMFLG  - User input temperature
4          OUTFMT  - 80-column descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
1          HCFLAG  - Print total HC
Victoria 2015      79.6 79.6 08.3 08.7 92                    LAP
1 15 30.0 79.6 20.6 27.3 20.6  7                             SCN      1.A
```

**Table III-29**
**Summer 2015 Victoria County MOBILE5a Set-Up**
**for 24-Hour Diurnal Rates**

```
1          PROMPT
1 Victoria County  2015 Estimated Emissions
1          TAMFLG  - Default: Tampering Rates
1          SPDFLG  - User input: one speed for all vehicle types
1          VMFLAG  - MOBILE5A VHT Mix for 1996
1          MYMRFG  - Mobile5a  Vehicle Registration Distribution
1          NEWFLG  - Default: Basic exhaust emission rates
1          IMFLAG  -      no   I/M
1          ALHFLG  - No additional correction factors
1          ATPFLG  -      no   atp
5          RLFLAG  - Zero-out refueling emissions
2          LOCFLG  - User input: one LAP record for all scenarios
1          TEMFLG  - MOBILE5A calculates exhaust temperatures
3          OUTFMT  - 112-Descriptive format
4          PRTFLG  - Print all three pollutant emission factors
1          IDLFLG  - No idle emissions calculated or printed
3          NMHFLG  - Print HC = volatile organic compounds (VOC)
3          HCFLAG  - HC components
Victoria 2015      74.5 93.2 08.3 08.7 92                    LAP
1 15 30.0 87.0 20.6 27.3 20.6  7                             SCN
```

## EMISSION RATES

The emission rates are presented in Appendix A. The 24-hour diurnal emission rates for a given application (i.e., a given year and season) are stratified only by vehicle type. The emission factors used in computing the emissions produced on individual links in the highway network for a given application are by the four time-of-day time periods, the eight vehicle types, and 63 speeds (i.e., 3 mph through 65 mph).

# IV. EMISSION ESTIMATES

The emission estimates are computed using the emission rates discussed in the preceding chapter. The time-of-day emission estimates are developed using the time-of-day emission rates (discussed in Chapter III) and the time-of-day VMT and speed estimates (discussed in Chapter II). The 24-hour emission estimates are prepared by computing the 24-hour diurnal estimates and combining the diurnal estimates with the results from each of the four time-of-day periods. The following provides a more detailed discussion of the method used to estimate the time-of-day emissions and the method used to develop the 24-hour emission estimates; and it also provides a brief summary of the Build versus No Build results for the Victoria FY-94 TIP.

## ESTIMATION OF TIME-OF-DAY EMISSIONS

For a given year and season, the mobile source emissions for each of the four time-of-day periods were computed using IMPSUM. IMPSUM is one of a series of programs developed by TTI to facilitate the computation of emissions. IMPSUM uses emission factors obtained from POLFAC5A (or COADJ), the user-estimated VMT mixes, and the VMT/speed estimates to compute the emissions by county. TTI Research Report 1279-2, "User's Guide for the Texas Mobile Source Emission Estimation Software: PREPIN, POLFAC5A, COADJ, IMPSUM, and SUMALL," provides a detailed description of these programs.

The basic inputs for the conformity applications of IMPSUM for Victoria were:

1. Data specifying the number of counties in the region and their names (i.e., one county named Victoria).
2. Names of the road types used in the study. These road types are used to summarize the emission results. The roadway types used in the conformity analyses are the functional classes used in the networks.
3. VMT mix by county used in the MOBILE5a set-ups.
4. Emission factors from POLFAC5A or COADJ by county.
5. Specification of the units for reporting emissions (grams, pounds, or tons).
6. Link records providing the estimated VMT and speeds. For each link record, the following information must be provided: county number, road type number, VMT estimate, operational speed estimate, and center line miles. These data were prepared using PREPIN.

As may be recalled, the emission rates produced using MOBILE5a are stratified by eight vehicle types. Hence, to apply the emission rates, VMT for a link record is disaggregated by the eight vehicle types applying the user-supplied VMT mixes. The software was designed to allow the user to input the VMT mix data by county and by roadway type within a county. IMPSUM uses these data to disaggregate the VMT for each link by the eight vehicle types based on the user-supplied estimate of the VMT mix for that link's county and roadway type.

The emission estimates are computed for each link by multiplying the appropriate emission

factors corresponding to the link's roadway type and the link's estimated speed. For non-integer speed estimates, the emission factors are computed by interpolating between the emission factors for the integer speeds on either side of the subject speed. The interpolation is performed using the reciprocals of the corresponding speeds rather than the speeds themselves. The emission results are accumulated for each county by vehicle type and roadway type.

## ESTIMATION OF 24-HOUR EMISSIONS

For Victoria applications, PREPIN, POLFAC5A, and IMPSUM were applied to estimate the mobile source emissions for each of the four time-of-day time periods for each scenario. The four time-of-day estimates must be combined with the diurnal estimates to obtain the 24-hour emission estimates. SUMALL, a utility program, was used to compute the 24-hour emission estimates for Victoria.

SUMALL is designed to sum the results from two or more IMPSUM applications (i.e., time-of-day applications). SUMALL also provides the option of calculating the 24-hour diurnal emission estimates. The diurnal estimates are combined with the time-of-day estimates (which exclude diurnals) to obtain the 24-hour emission estimates. The 24-hour tabular summaries produced by SUMALL are essentially the same as those produced for the individual time-of-day periods by IMPSUM.

As previously noted, MOBILE5a is not structured to compute diurnal emissions for less than a 24-hour time period; therefore, a separate run of MOBILE5a was made to calculate the diurnal emissions for each application year and season. Diurnal emissions are produced by LDGV, LDGT1, LDGT, HDGV, and MC vehicle types. Diesel vehicle types do not produce diurnal emissions. Multiple diurnal emissions are produced by LDGV, LDGT1, LDGT2, and HDGV. According to Terry Newell, U.S. EPA Motor Vehicle Laboratory, 12.26 percent of LDGV, LDGT1, and LDGT2 vehicle types and 23.1 percent of HDGV vehicles undergo multiple diurnals. These percentages were applied to the total number of vehicles by vehicle type to calculate the number of vehicles of multiple diurnals.

## BUILD VERSUS NO BUILD RESULTS FOR THE FY-94 TIP

An important part of the conformity analysis of the Victoria FY-94 TIP is the comparison of the Build versus No Build emission estimates. Table IV-1 summarizes the 24-hour emission estimates for the Build and No Build options for summer 1996. Table IV-2 provides similar results for the summer of 2006. Finally, Table IV-3 presents the summer estimates for 2015. As may be observed in each of the three tables, the VOC, CO, NOX estimates for the Build option is consistently lower than the No Build for the same year and season.

**Table IV-1**
**Summer 1996 24-Hour Emission Estimates for the Victoria FY-94 TIP**

| Emission Type | No Build Option Emissions | Build Option Emissions | Difference in Emissions |
|---|---|---|---|
| VOC (pounds) | 8,386.3 | 8,386.2 | 0.1 |
| CO (pounds) | 69,694.6 | 69,694.0 | 0.6 |
| NOX (pounds) | 14,368.6 | 14,386.5 | 0.1 |

**Table IV-2**
**Summer 2006 24-Hour Emission Estimates for the Victoria FY-94 TIP**

| Emission Type | No Build Option Emissions | Build Option Emissions | Difference in Emissions |
|---|---|---|---|
| VOC (pounds) | 7,412.1 | 7,327.1 | 85.0 |
| CO (pounds) | 51,478.4 | 50,778.3 | 700.1 |
| NOX (pounds) | 12,724.1 | 12,722.0 | 2.1 |

**Table IV-3**
**Summer 2015 24-Hour Emission Estimates for the**
**Victoria FY-94 TIP**

| Emission Type | No-Build Option Emissions | Build Option Emissions | Difference in Emissions |
|---|---|---|---|
| **VOC (pounds)** | 7,272.7 | 7,130.7 | 142.0 |
| **CO (pounds)** | 53,610.1 | 52,268.1 | 1,342.0 |
| **NOX (pounds)** | 13,283.6 | 13,282.7 | 0.9 |

# APPENDIX A:
# EMISSION RATES DEVELOPED FOR CONFORMITY ANALYSIS OF THE VICTORIA FY-94 TIP

# Table A-1
# Victoria 1990 VOC Emission Rates
# for Time Period 1

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 VOC | 16.01554 | 19.72316 | 32.04923 | 42.26063 | 1.53496 | 2.28073 | 6.96399 | 11.98957 |
| 4 VOC | 11.67587 | 14.65421 | 23.65708 | 34.67390 | 1.45730 | 2.16534 | 6.61165 | 10.10563 |
| 5 VOC | 9.21609 | 11.68810 | 18.72386 | 30.08957 | 1.38479 | 2.05759 | 6.28265 | 8.71205 |
| 6 VOC | 7.63576 | 9.74159 | 15.47636 | 26.81555 | 1.31704 | 1.95693 | 5.97529 | 7.66134 |
| 7 VOC | 6.53802 | 8.37209 | 13.18862 | 24.25491 | 1.25371 | 1.86283 | 5.68797 | 6.85534 |
| 8 VOC | 5.81847 | 7.45591 | 11.64376 | 22.36319 | 1.19448 | 1.77482 | 5.41922 | 6.22725 |
| 9 VOC | 5.26275 | 6.74503 | 10.45030 | 20.71720 | 1.13904 | 1.69245 | 5.16773 | 5.73072 |
| 10 VOC | 4.81429 | 6.17115 | 9.49437 | 19.25109 | 1.08714 | 1.61533 | 4.93224 | 5.33292 |
| 11 VOC | 4.44428 | 5.69798 | 8.71363 | 17.93881 | 1.03851 | 1.54307 | 4.71162 | 5.01024 |
| 12 VOC | 4.13320 | 5.30049 | 8.06489 | 16.75973 | 0.99293 | 1.47535 | 4.50484 | 4.74535 |
| 13 VOC | 3.86740 | 4.96092 | 7.51741 | 15.69704 | 0.95019 | 1.41184 | 4.31093 | 4.52540 |
| 14 VOC | 3.63703 | 4.66634 | 7.04879 | 14.73673 | 0.91009 | 1.35226 | 4.12899 | 4.34067 |
| 15 VOC | 3.43481 | 4.40714 | 6.64238 | 13.86694 | 0.87245 | 1.29633 | 3.95821 | 4.18375 |
| 16 VOC | 3.25528 | 4.17606 | 6.28559 | 13.07752 | 0.83710 | 1.24381 | 3.79784 | 4.04890 |
| 17 VOC | 3.09424 | 3.96757 | 5.96880 | 12.35969 | 0.80389 | 1.19446 | 3.64717 | 3.93167 |
| 18 VOC | 2.94845 | 3.77735 | 5.68451 | 11.70585 | 0.77268 | 1.14809 | 3.50557 | 3.82854 |
| 19 VOC | 2.81535 | 3.60208 | 5.42690 | 11.10931 | 0.74333 | 1.10448 | 3.37243 | 3.73673 |
| 20 VOC | 2.69729 | 3.46641 | 5.22219 | 10.56767 | 0.71573 | 1.06347 | 3.24720 | 3.65404 |
| 21 VOC | 2.59599 | 3.34601 | 5.03177 | 10.07749 | 0.68976 | 1.02488 | 3.12937 | 3.57873 |
| 22 VOC | 2.50306 | 3.23452 | 4.85694 | 9.62903 | 0.66532 | 0.98856 | 3.01848 | 3.50943 |
| 23 VOC | 2.41734 | 3.13064 | 4.69541 | 9.21826 | 0.64230 | 0.95437 | 2.91408 | 3.44506 |
| 24 VOC | 2.33793 | 3.03341 | 4.54535 | 8.84159 | 0.62063 | 0.92217 | 2.81576 | 3.38478 |
| 25 VOC | 2.26405 | 2.94205 | 4.40530 | 8.49581 | 0.60022 | 0.89184 | 2.72316 | 3.32795 |
| 26 VOC | 2.19509 | 2.85597 | 4.27411 | 8.17807 | 0.58100 | 0.86327 | 2.63592 | 3.27409 |
| 27 VOC | 2.13054 | 2.77473 | 4.15087 | 7.88582 | 0.56288 | 0.83635 | 2.55372 | 3.22285 |
| 28 VOC | 2.06996 | 2.69800 | 4.03487 | 7.61679 | 0.54581 | 0.81099 | 2.47627 | 3.17401 |
| 29 VOC | 2.01301 | 2.62550 | 3.92554 | 7.36892 | 0.52972 | 0.78708 | 2.40328 | 3.12740 |
| 30 VOC | 1.95938 | 2.55703 | 3.82242 | 7.14038 | 0.51456 | 0.76455 | 2.33449 | 3.08294 |
| 31 VOC | 1.90880 | 2.49243 | 3.72517 | 6.92953 | 0.50027 | 0.74332 | 2.26967 | 3.04059 |
| 32 VOC | 1.86108 | 2.43157 | 3.63348 | 6.73488 | 0.48680 | 0.72332 | 2.20859 | 3.00035 |
| 33 VOC | 1.81600 | 2.37433 | 3.54711 | 6.55510 | 0.47412 | 0.70447 | 2.15104 | 2.96225 |
| 34 VOC | 1.77340 | 2.32060 | 3.46586 | 6.38899 | 0.46217 | 0.68672 | 2.09684 | 2.92632 |
| 35 VOC | 1.73313 | 2.27027 | 3.38952 | 6.23546 | 0.45093 | 0.67001 | 2.04581 | 2.89262 |
| 36 VOC | 1.69505 | 2.22324 | 3.31793 | 6.09354 | 0.44034 | 0.65428 | 1.99777 | 2.86119 |
| 37 VOC | 1.65903 | 2.17941 | 3.25093 | 5.96234 | 0.43038 | 0.63948 | 1.95258 | 2.83207 |
| 38 VOC | 1.62496 | 2.13864 | 3.18832 | 5.84107 | 0.42101 | 0.62556 | 1.91009 | 2.80529 |
| 39 VOC | 1.59272 | 2.10084 | 3.12996 | 5.72901 | 0.41221 | 0.61249 | 1.87018 | 2.78086 |
| 40 VOC | 1.56221 | 2.06584 | 3.07565 | 5.62551 | 0.40395 | 0.60022 | 1.83270 | 2.75877 |
| 41 VOC | 1.53332 | 2.03353 | 3.02520 | 5.52997 | 0.39621 | 0.58871 | 1.79756 | 2.73900 |
| 42 VOC | 1.50595 | 2.00372 | 2.97840 | 5.44187 | 0.38895 | 0.57793 | 1.76465 | 2.72147 |
| 43 VOC | 1.47999 | 1.97624 | 2.93503 | 5.36074 | 0.38217 | 0.56785 | 1.73386 | 2.70611 |
| 44 VOC | 1.45535 | 1.95089 | 2.89482 | 5.28613 | 0.37583 | 0.55843 | 1.70512 | 2.69278 |
| 45 VOC | 1.43190 | 1.92745 | 2.85750 | 5.21766 | 0.36993 | 0.54966 | 1.67832 | 2.68132 |
| 46 VOC | 1.40954 | 1.90564 | 2.82276 | 5.15498 | 0.36443 | 0.54149 | 1.65340 | 2.67151 |
| 47 VOC | 1.38813 | 1.88517 | 2.79023 | 5.09777 | 0.35934 | 0.53392 | 1.63028 | 2.66308 |
| 48 VOC | 1.36774 | 1.86569 | 2.75930 | 5.04529 | 0.35463 | 0.52692 | 1.60890 | 2.65571 |
| 49 VOC | 1.36390 | 1.86141 | 2.75187 | 4.99383 | 0.35028 | 0.52047 | 1.58920 | 2.65571 |
| 50 VOC | 1.36028 | 1.85738 | 2.74487 | 4.94759 | 0.34630 | 0.51455 | 1.57113 | 2.65571 |
| 51 VOC | 1.35687 | 1.85358 | 2.73827 | 4.90631 | 0.34266 | 0.50914 | 1.55462 | 2.65571 |
| 52 VOC | 1.35364 | 1.84998 | 2.73204 | 4.86980 | 0.33936 | 0.50424 | 1.53965 | 2.65571 |
| 53 VOC | 1.35059 | 1.84659 | 2.72616 | 4.83788 | 0.33639 | 0.49982 | 1.52616 | 2.65571 |
| 54 VOC | 1.34771 | 1.84338 | 2.72060 | 4.81039 | 0.33373 | 0.49588 | 1.51412 | 2.65571 |
| 55 VOC | 1.34497 | 1.84033 | 2.71534 | 4.78720 | 0.33139 | 0.49240 | 1.50350 | 2.65571 |
| 56 VOC | 1.41089 | 1.94371 | 2.87212 | 4.76820 | 0.32936 | 0.48938 | 1.49426 | 2.74703 |
| 57 VOC | 1.47694 | 2.04723 | 3.02916 | 4.75331 | 0.32762 | 0.48680 | 1.48639 | 2.83834 |
| 58 VOC | 1.54311 | 2.15089 | 3.18645 | 4.74246 | 0.32618 | 0.48466 | 1.47987 | 2.92966 |
| 59 VOC | 1.60939 | 2.25468 | 3.34395 | 4.73561 | 0.32504 | 0.48296 | 1.47467 | 3.02097 |
| 60 VOC | 1.67578 | 2.35859 | 3.50166 | 4.73273 | 0.32418 | 0.48169 | 1.47078 | 3.11229 |
| 61 VOC | 1.74227 | 2.46261 | 3.65957 | 4.73383 | 0.32361 | 0.48084 | 1.46819 | 3.20360 |
| 62 VOC | 1.80886 | 2.56673 | 3.81766 | 4.73891 | 0.32333 | 0.48042 | 1.46690 | 3.29492 |
| 63 VOC | 1.87553 | 2.67095 | 3.97593 | 4.74802 | 0.32333 | 0.48042 | 1.46690 | 3.38623 |
| 64 VOC | 1.94228 | 2.77527 | 4.13435 | 4.76122 | 0.32361 | 0.48084 | 1.46819 | 3.47755 |
| 65 VOC | 2.00911 | 2.87967 | 4.29292 | 4.77857 | 0.32418 | 0.48169 | 1.47078 | 3.56886 |

# Table A-2
# Victoria 1990 CO Emission Rates
# for Time Period 1

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 151.74310 | 192.11459 | 313.25403 | 478.95911 | 5.15393 | 6.21866 | 41.98945 | 142.30719 |
| 4 CO | 115.72948 | 147.74232 | 41.57368 | 437.60425 | 4.74993 | 5.73120 | 38.69802 | 113.49147 |
| 5 CO | 93.42033 | 119.44949 | 194.64691 | 400.70081 | 4.38557 | 5.29156 | 35.72956 | 92.68391 |
| 6 CO | 78.27713 | 99.97414 | 161.80908 | 367.71756 | 4.05654 | 4.89456 | 33.04890 | 77.32399 |
| 7 CO | 67.36922 | 85.88055 | 137.79753 | 338.19238 | 3.75903 | 4.53558 | 30.62505 | 65.75508 |
| 8 CO | 59.17202 | 75.30154 | 119.65790 | 311.72299 | 3.48968 | 4.21060 | 28.43066 | 56.87937 |
| 9 CO | 52.81018 | 67.12988 | 105.59344 | 287.95810 | 3.24553 | 3.91601 | 26.44160 | 49.95316 |
| 10 CO | 47.74455 | 60.66731 | 94.44935 | 266.59088 | 3.02397 | 3.64867 | 24.63648 | 44.46215 |
| 11 CO | 43.62499 | 55.45239 | 85.45235 | 247.35263 | 2.82266 | 3.40578 | 22.99641 | 40.04384 |
| 12 CO | 40.21445 | 51.16875 | 78.06752 | 230.00821 | 2.63955 | 3.18485 | 21.50463 | 36.43817 |
| 13 CO | 37.34696 | 47.59278 | 71.91479 | 214.35104 | 2.47282 | 2.98367 | 20.14625 | 33.45554 |
| 14 CO | 34.90305 | 44.56239 | 66.71806 | 200.19968 | 2.32084 | 2.80029 | 18.90806 | 30.95562 |
| 15 CO | 32.79462 | 41.95756 | 62.27278 | 187.39432 | 2.18217 | 2.63297 | 17.77830 | 28.83319 |
| 16 CO | 30.95549 | 39.68792 | 58.42496 | 175.79437 | 2.05552 | 2.48016 | 16.74648 | 27.00842 |
| 17 CO | 29.33505 | 37.68452 | 55.05707 | 165.27573 | 1.93975 | 2.34048 | 15.80329 | 25.42012 |
| 18 CO | 27.89412 | 35.89423 | 52.07832 | 155.72865 | 1.83384 | 2.21268 | 14.94039 | 24.02104 |
| 19 CO | 26.60200 | 34.27593 | 49.41801 | 147.05624 | 1.73686 | 2.09567 | 14.15034 | 22.77445 |
| 20 CO | 25.46553 | 33.08462 | 47.41087 | 139.17261 | 1.64801 | 1.98847 | 13.42647 | 21.65170 |
| 21 CO | 24.45944 | 31.94087 | 45.54597 | 132.00171 | 1.56656 | 1.89018 | 12.76285 | 20.63041 |
| 22 CO | 23.53805 | 30.87381 | 43.83710 | 125.47607 | 1.49184 | 1.80003 | 12.15412 | 19.69313 |
| 23 CO | 22.68964 | 29.87169 | 42.26054 | 119.53570 | 1.42327 | 1.71730 | 11.59551 | 18.82624 |
| 24 CO | 21.90479 | 28.92591 | 40.79765 | 114.12737 | 1.36033 | 1.64136 | 11.08273 | 18.01923 |
| 25 CO | 21.17590 | 28.03038 | 39.43386 | 109.20372 | 1.30255 | 1.57163 | 10.61193 | 17.26405 |
| 26 CO | 20.49685 | 27.18089 | 38.15777 | 104.72262 | 1.24948 | 1.50761 | 10.17963 | 16.55454 |
| 27 CO | 19.86264 | 26.37475 | 36.96055 | 100.64657 | 1.20077 | 1.44883 | 9.78273 | 15.88611 |
| 28 CO | 19.26922 | 25.61023 | 35.83533 | 96.94221 | 1.15605 | 1.39487 | 9.41843 | 15.25533 |
| 29 CO | 18.71323 | 24.88639 | 34.77679 | 93.57986 | 1.11503 | 1.34538 | 9.08422 | 14.65972 |
| 30 CO | 18.19188 | 24.20270 | 33.78080 | 90.53307 | 1.07742 | 1.30000 | 8.77782 | 14.09745 |
| 31 CO | 17.70280 | 23.55891 | 32.84410 | 87.77838 | 1.04298 | 1.25844 | 8.49721 | 13.56721 |
| 32 CO | 17.24396 | 22.95485 | 31.96411 | 85.29494 | 1.01148 | 1.22043 | 8.24056 | 13.06804 |
| 33 CO | 16.81358 | 22.39036 | 31.13865 | 83.06431 | 0.98271 | 1.18572 | 8.00622 | 12.59921 |
| 34 CO | 16.41009 | 21.86515 | 30.36586 | 81.07016 | 0.95650 | 1.15410 | 7.79271 | 12.16013 |
| 35 CO | 16.03203 | 21.37884 | 29.64406 | 79.29817 | 0.93269 | 1.12537 | 7.59871 | 11.75021 |
| 36 CO | 15.67809 | 20.93089 | 28.97169 | 77.73573 | 0.91113 | 1.09936 | 7.42304 | 11.36890 |
| 37 CO | 15.34703 | 20.52055 | 28.34718 | 76.37192 | 0.89169 | 1.07590 | 7.26464 | 11.01560 |
| 38 CO | 15.03765 | 20.14691 | 27.76889 | 75.19729 | 0.87425 | 1.05486 | 7.12257 | 10.68957 |
| 39 CO | 14.74882 | 19.80886 | 27.23517 | 74.20380 | 0.85871 | 1.03611 | 6.99600 | 10.39001 |
| 40 CO | 14.47941 | 19.50509 | 26.74417 | 73.38467 | 0.84499 | 1.01955 | 6.88420 | 10.11591 |
| 41 CO | 14.22831 | 19.23403 | 26.29395 | 72.73446 | 0.83300 | 1.00509 | 6.78652 | 9.86612 |
| 42 CO | 13.99438 | 18.99384 | 25.88226 | 72.24876 | 0.82268 | 0.99263 | 6.70242 | 9.63934 |
| 43 CO | 13.77646 | 18.78232 | 25.50672 | 71.92438 | 0.81396 | 0.98212 | 6.63142 | 9.43399 |
| 44 CO | 13.57329 | 18.59689 | 25.16451 | 71.75912 | 0.80681 | 0.97348 | 6.57312 | 9.24829 |
| 45 CO | 13.38354 | 18.43438 | 24.85257 | 71.75195 | 0.80117 | 0.96668 | 6.52720 | 9.08016 |
| 46 CO | 13.20570 | 18.29097 | 24.56726 | 71.90279 | 0.79702 | 0.96168 | 6.49341 | 8.92725 |
| 47 CO | 13.03814 | 18.16207 | 24.30455 | 72.21265 | 0.79434 | 0.95844 | 6.47157 | 8.78680 |
| 48 CO | 12.87898 | 18.04219 | 24.05969 | 72.68356 | 0.79311 | 0.95696 | 6.46154 | 8.65575 |
| 49 CO | 12.87898 | 18.04219 | 24.05969 | 73.31867 | 0.79333 | 0.95722 | 6.46329 | 8.65575 |
| 50 CO | 12.87898 | 18.04219 | 24.05969 | 74.12221 | 0.79499 | 0.95922 | 6.47681 | 8.65575 |
| 51 CO | 12.87898 | 18.04219 | 24.05969 | 75.09959 | 0.79810 | 0.96298 | 6.50218 | 8.65575 |
| 52 CO | 12.87898 | 18.04219 | 24.05969 | 76.25746 | 0.80269 | 0.96851 | 6.53955 | 8.65575 |
| 53 CO | 12.87898 | 18.04219 | 24.05969 | 77.60371 | 0.80877 | 0.97585 | 6.58911 | 8.65575 |
| 54 CO | 12.87898 | 18.04219 | 24.05969 | 79.14765 | 0.81638 | 0.98504 | 6.65114 | 8.65575 |
| 55 CO | 12.87898 | 18.04219 | 24.05969 | 80.90011 | 0.82557 | 0.99612 | 6.72598 | 8.65575 |
| 56 CO | 15.36830 | 21.99970 | 29.60805 | 82.87349 | 0.83638 | 1.00917 | 6.81406 | 10.74016 |
| 57 CO | 17.85762 | 25.95720 | 35.15642 | 85.08197 | 0.84888 | 1.02424 | 6.91587 | 12.82456 |
| 58 CO | 20.34694 | 29.91472 | 40.70478 | 87.54169 | 0.86313 | 1.04144 | 7.03198 | 14.90896 |
| 59 CO | 22.83626 | 33.87222 | 46.25314 | 90.27090 | 0.87922 | 1.06085 | 7.16307 | 16.99337 |
| 60 CO | 25.32558 | 37.82973 | 51.80150 | 93.29021 | 0.89724 | 1.08260 | 7.30989 | 19.07777 |
| 61 CO | 27.81490 | 41.78725 | 57.34988 | 96.62284 | 0.91730 | 1.10680 | 7.47331 | 21.16217 |
| 62 CO | 30.30422 | 45.74476 | 62.89823 | 100.29494 | 0.93952 | 1.13361 | 7.65431 | 23.24657 |
| 63 CO | 32.79354 | 49.70226 | 68.44659 | 104.33586 | 0.96402 | 1.16318 | 7.85396 | 25.33098 |
| 64 CO | 35.28287 | 53.65978 | 73.99496 | 108.77867 | 0.99097 | 1.19569 | 8.07351 | 27.41538 |
| 65 CO | 37.77218 | 57.61728 | 79.54332 | 113.66043 | 1.02053 | 1.23135 | 8.31431 | 29.49978 |

# Table A-3
# Victoria 1990 NOX Emission Rates
# for Time Period 1

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 2.34294 | 2.60856 | 3.18094 | 5.41376 | 2.80125 | 3.34464 | 35.61877 | 0.88735 |
| 4 | NOX | 2.18519 | 2.43119 | 3.01729 | 5.46978 | 2.68327 | 3.20377 | 34.11861 | 0.84874 |
| 5 | NOX | 2.08627 | 2.32162 | 2.91634 | 5.52580 | 2.57391 | 3.07320 | 32.72806 | 0.81669 |
| 6 | NOX | 2.01749 | 2.24739 | 2.84818 | 5.58182 | 2.47252 | 2.95214 | 31.43880 | 0.79072 |
| 7 | NOX | 1.96650 | 2.19444 | 2.79982 | 5.63785 | 2.37849 | 2.83987 | 30.24324 | 0.77032 |
| 8 | NOX | 1.92708 | 2.15563 | 2.76466 | 5.69387 | 2.29129 | 2.73576 | 29.13449 | 0.75504 |
| 9 | NOX | 1.89571 | 2.12686 | 2.73892 | 5.74989 | 2.21043 | 2.63921 | 28.10627 | 0.74442 |
| 10 | NOX | 1.87026 | 2.10560 | 2.72024 | 5.80591 | 2.13545 | 2.54968 | 27.15287 | 0.73803 |
| 11 | NOX | 1.84933 | 2.09017 | 2.70704 | 5.86193 | 2.06594 | 2.46670 | 26.26909 | 0.73545 |
| 12 | NOX | 1.83197 | 2.07936 | 2.69821 | 5.91796 | 2.00154 | 2.38980 | 25.45018 | 0.73628 |
| 13 | NOX | 1.81749 | 2.07231 | 2.69292 | 5.97398 | 1.94190 | 2.31859 | 24.69184 | 0.74016 |
| 14 | NOX | 1.80539 | 2.06832 | 2.69053 | 6.03000 | 1.88671 | 2.25270 | 23.99014 | 0.74670 |
| 15 | NOX | 1.79528 | 2.06686 | 2.69054 | 6.08602 | 1.83570 | 2.19179 | 23.34150 | 0.75558 |
| 16 | NOX | 1.78684 | 2.06750 | 2.69254 | 6.14204 | 1.78861 | 2.13556 | 22.74267 | 0.76646 |
| 17 | NOX | 1.77984 | 2.06986 | 2.69616 | 6.19807 | 1.74520 | 2.08373 | 22.19069 | 0.77903 |
| 18 | NOX | 1.77406 | 2.07363 | 2.70113 | 6.25409 | 1.70526 | 2.03605 | 21.68288 | 0.79301 |
| 19 | NOX | 1.76935 | 2.07855 | 2.70718 | 6.31011 | 1.66860 | 1.99228 | 21.21679 | 0.80811 |
| 20 | NOX | 1.76834 | 2.09121 | 2.72163 | 6.36613 | 1.63506 | 1.95222 | 20.79022 | 0.82408 |
| 21 | NOX | 1.77569 | 2.11670 | 2.74813 | 6.42215 | 1.60446 | 1.91569 | 20.40118 | 0.84069 |
| 22 | NOX | 1.78280 | 2.14100 | 2.77343 | 6.47818 | 1.57667 | 1.88252 | 20.04787 | 0.85771 |
| 23 | NOX | 1.78970 | 2.16417 | 2.79761 | 6.53420 | 1.55157 | 1.85254 | 19.72867 | 0.87494 |
| 24 | NOX | 1.79641 | 2.18627 | 2.82073 | 6.59022 | 1.52904 | 1.82564 | 19.44214 | 0.89219 |
| 25 | NOX | 1.80296 | 2.20733 | 2.84284 | 6.64624 | 1.50897 | 1.80168 | 19.18700 | 0.90930 |
| 26 | NOX | 1.80935 | 2.22739 | 2.86398 | 6.70226 | 1.49128 | 1.78056 | 18.96211 | 0.92612 |
| 27 | NOX | 1.81562 | 2.24647 | 2.88421 | 6.75828 | 1.47590 | 1.76219 | 18.76649 | 0.94251 |
| 28 | NOX | 1.82176 | 2.26459 | 2.90354 | 6.81431 | 1.46275 | 1.74649 | 18.59928 | 0.95836 |
| 29 | NOX | 1.82779 | 2.28178 | 2.92202 | 6.87033 | 1.45177 | 1.73339 | 18.45975 | 0.97357 |
| 30 | NOX | 1.83373 | 2.29806 | 2.93969 | 6.92635 | 1.44293 | 1.72283 | 18.34731 | 0.98806 |
| 31 | NOX | 1.83959 | 2.31347 | 2.95660 | 6.98237 | 1.43618 | 1.71477 | 18.26146 | 1.00178 |
| 32 | NOX | 1.84537 | 2.32803 | 2.97278 | 7.03839 | 1.43149 | 1.70917 | 18.20184 | 1.01467 |
| 33 | NOX | 1.85111 | 2.34179 | 2.98830 | 7.09442 | 1.42885 | 1.70601 | 18.16820 | 1.02671 |
| 34 | NOX | 1.85682 | 2.35479 | 3.00322 | 7.15044 | 1.42823 | 1.70528 | 18.16039 | 1.03790 |
| 35 | NOX | 1.86252 | 2.36707 | 3.01761 | 7.20646 | 1.42965 | 1.70697 | 18.17838 | 1.04824 |
| 36 | NOX | 1.86824 | 2.37871 | 3.03153 | 7.26248 | 1.43310 | 1.71109 | 18.22224 | 1.05775 |
| 37 | NOX | 1.87401 | 2.38976 | 3.04508 | 7.31850 | 1.43860 | 1.71765 | 18.29216 | 1.06649 |
| 38 | NOX | 1.87985 | 2.40030 | 3.05834 | 7.37453 | 1.44617 | 1.72670 | 18.38845 | 1.07452 |
| 39 | NOX | 1.88580 | 2.41041 | 3.07143 | 7.43055 | 1.45585 | 1.73825 | 18.51151 | 1.08191 |
| 40 | NOX | 1.89190 | 2.42018 | 3.08444 | 7.48657 | 1.46767 | 1.75237 | 18.66188 | 1.08876 |
| 41 | NOX | 1.89819 | 2.42972 | 3.09750 | 7.54259 | 1.48170 | 1.76911 | 18.84020 | 1.09518 |
| 42 | NOX | 1.90472 | 2.43912 | 3.11074 | 7.59861 | 1.49798 | 1.78856 | 19.04725 | 1.10132 |
| 43 | NOX | 1.91153 | 2.44851 | 3.12429 | 7.65464 | 1.51659 | 1.81078 | 19.28394 | 1.10732 |
| 44 | NOX | 1.91868 | 2.45801 | 3.13832 | 7.71066 | 1.53762 | 1.83589 | 19.55132 | 1.11335 |
| 45 | NOX | 1.92622 | 2.46777 | 3.15296 | 7.76668 | 1.56116 | 1.86399 | 19.85057 | 1.11959 |
| 46 | NOX | 1.93421 | 2.47792 | 3.16841 | 7.82270 | 1.58730 | 1.89521 | 20.18304 | 1.12625 |
| 47 | NOX | 1.94273 | 2.48863 | 3.18482 | 7.87872 | 1.61618 | 1.92969 | 20.55025 | 1.13355 |
| 48 | NOX | 1.95183 | 2.50005 | 3.20241 | 7.93475 | 1.64793 | 1.96759 | 20.95386 | 1.14173 |
| 49 | NOX | 2.03806 | 2.60224 | 3.34402 | 7.99077 | 1.68268 | 2.00908 | 21.39576 | 1.17891 |
| 50 | NOX | 2.12430 | 2.70442 | 3.48564 | 8.04679 | 1.72061 | 2.05437 | 21.87803 | 1.21609 |
| 51 | NOX | 2.21053 | 2.80660 | 3.62726 | 8.10281 | 1.76189 | 2.10366 | 22.40295 | 1.25326 |
| 52 | NOX | 2.29676 | 2.90879 | 3.76887 | 8.15883 | 1.80673 | 2.15720 | 22.97307 | 1.29044 |
| 53 | NOX | 2.38299 | 3.01097 | 3.91049 | 8.21486 | 1.85534 | 2.21524 | 23.59118 | 1.32762 |
| 54 | NOX | 2.46922 | 3.11315 | 4.05211 | 8.27088 | 1.90796 | 2.27807 | 24.26034 | 1.36480 |
| 55 | NOX | 2.55545 | 3.21534 | 4.19372 | 8.32690 | 1.96487 | 2.34602 | 24.98393 | 1.40198 |
| 56 | NOX | 2.64169 | 3.31752 | 4.33534 | 8.38292 | 2.02635 | 2.41942 | 25.76567 | 1.43915 |
| 57 | NOX | 2.72792 | 3.41970 | 4.47696 | 8.43894 | 2.09272 | 2.49867 | 26.60962 | 1.47633 |
| 58 | NOX | 2.81415 | 3.52189 | 4.61858 | 8.49496 | 2.16434 | 2.58418 | 27.52027 | 1.51351 |
| 59 | NOX | 2.90038 | 3.62407 | 4.76019 | 8.55099 | 2.24159 | 2.67642 | 28.50253 | 1.55069 |
| 60 | NOX | 2.98661 | 3.72626 | 4.90181 | 8.60701 | 2.32490 | 2.77588 | 29.56179 | 1.58786 |
| 61 | NOX | 3.07285 | 3.82844 | 5.04342 | 8.66303 | 2.41473 | 2.88314 | 30.70399 | 1.62504 |
| 62 | NOX | 3.15908 | 3.93062 | 5.18504 | 8.71905 | 2.51159 | 2.99879 | 31.93564 | 1.66222 |
| 63 | NOX | 3.24531 | 4.03281 | 5.32666 | 8.77508 | 2.61605 | 3.12352 | 33.26390 | 1.69940 |
| 64 | NOX | 3.33154 | 4.13499 | 5.46828 | 8.83110 | 2.72873 | 3.25805 | 34.69664 | 1.73657 |
| 65 | NOX | 3.41777 | 4.23717 | 5.60989 | 8.88712 | 2.85031 | 3.40321 | 36.24252 | 1.77375 |

# Table A-4
# Victoria 1990 VOC Emission Rates
# for Time Period 2

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 21.13307 | 24.44213 | 39.21468 | 55.58814 | 1.53496 | 2.28073 | 6.96399 | 12.92945 |
| 4 | VOC | 15.03619 | 17.69350 | 28.00511 | 43.41896 | 1.45730 | 2.16534 | 6.61165 | 11.05804 |
| 5 | VOC | 11.68709 | 13.89144 | 21.73025 | 36.63298 | 1.38479 | 2.05759 | 6.28265 | 9.67376 |
| 6 | VOC | 9.58268 | 11.45939 | 17.73365 | 32.10701 | 1.31704 | 1.95693 | 5.97529 | 8.63010 |
| 7 | VOC | 8.14450 | 9.77913 | 14.98193 | 28.75079 | 1.25371 | 1.86283 | 5.68797 | 7.82951 |
| 8 | VOC | 7.26238 | 8.70343 | 13.22792 | 26.49887 | 1.19448 | 1.77482 | 5.41922 | 7.20566 |
| 9 | VOC | 6.58221 | 7.87642 | 11.88458 | 24.57890 | 1.13904 | 1.69245 | 5.16773 | 6.71248 |
| 10 | VOC | 6.02856 | 7.21174 | 10.81010 | 22.88204 | 1.08714 | 1.61533 | 4.93224 | 6.31738 |
| 11 | VOC | 5.56738 | 6.66631 | 9.93356 | 21.37184 | 1.03851 | 1.54307 | 4.71162 | 5.99688 |
| 12 | VOC | 5.17567 | 6.21046 | 9.20609 | 20.02056 | 0.99293 | 1.47535 | 4.50484 | 5.73379 |
| 13 | VOC | 4.83731 | 5.82315 | 8.59301 | 18.80629 | 0.95019 | 1.41184 | 4.31093 | 5.51533 |
| 14 | VOC | 4.54070 | 5.48907 | 8.06912 | 17.71128 | 0.91009 | 1.35226 | 4.12899 | 5.33186 |
| 15 | VOC | 4.27728 | 5.19688 | 7.61571 | 16.72081 | 0.87245 | 1.29633 | 3.95821 | 5.17601 |
| 16 | VOC | 4.04062 | 4.93800 | 7.21864 | 15.82252 | 0.83710 | 1.24381 | 3.79784 | 5.04209 |
| 17 | VOC | 3.82579 | 4.70586 | 6.86711 | 15.00589 | 0.80389 | 1.19446 | 3.64717 | 4.92566 |
| 18 | VOC | 3.62896 | 4.49541 | 6.55272 | 14.26188 | 0.77268 | 1.14809 | 3.50557 | 4.82323 |
| 19 | VOC | 3.44712 | 4.30269 | 6.26890 | 13.58266 | 0.74333 | 1.10448 | 3.37243 | 4.73204 |
| 20 | VOC | 3.29254 | 4.14997 | 6.04133 | 12.96955 | 0.71573 | 1.06347 | 3.24720 | 4.64992 |
| 21 | VOC | 3.17180 | 4.00764 | 5.82408 | 12.42064 | 0.68976 | 1.02488 | 3.12937 | 4.57513 |
| 22 | VOC | 3.06085 | 3.87585 | 5.62488 | 11.91853 | 0.66532 | 0.98856 | 3.01848 | 4.50630 |
| 23 | VOC | 2.95836 | 3.75310 | 5.44109 | 11.45858 | 0.64230 | 0.95437 | 2.91408 | 4.44237 |
| 24 | VOC | 2.86326 | 3.63822 | 5.27062 | 11.03672 | 0.62063 | 0.92217 | 2.81576 | 4.38250 |
| 25 | VOC | 2.77465 | 3.53031 | 5.11179 | 10.64932 | 0.60022 | 0.89184 | 2.72316 | 4.32606 |
| 26 | VOC | 2.69182 | 3.42869 | 4.96327 | 10.29315 | 0.58100 | 0.86327 | 2.63592 | 4.27256 |
| 27 | VOC | 2.61415 | 3.33282 | 4.82398 | 9.96536 | 0.56288 | 0.83635 | 2.55372 | 4.22168 |
| 28 | VOC | 2.54116 | 3.24230 | 4.69308 | 9.66337 | 0.54581 | 0.81099 | 2.47627 | 4.17317 |
| 29 | VOC | 2.47241 | 3.15681 | 4.56987 | 9.38490 | 0.52972 | 0.78708 | 2.40328 | 4.12688 |
| 30 | VOC | 2.40755 | 3.07610 | 4.45379 | 9.12789 | 0.51456 | 0.76455 | 2.33449 | 4.08272 |
| 31 | VOC | 2.34629 | 3.00000 | 4.34441 | 8.89051 | 0.50027 | 0.74332 | 2.26967 | 4.04066 |
| 32 | VOC | 2.28835 | 2.92832 | 4.24134 | 8.67109 | 0.48680 | 0.72332 | 2.20859 | 4.00069 |
| 33 | VOC | 2.23351 | 2.86092 | 4.14428 | 8.46816 | 0.47412 | 0.70447 | 2.15104 | 3.96285 |
| 34 | VOC | 2.18157 | 2.79768 | 4.05293 | 8.28038 | 0.46217 | 0.68672 | 2.09684 | 3.92717 |
| 35 | VOC | 2.13234 | 2.73846 | 3.96708 | 8.10654 | 0.45093 | 0.67001 | 2.04581 | 3.89369 |
| 36 | VOC | 2.08567 | 2.68313 | 3.88649 | 7.94556 | 0.44034 | 0.65428 | 1.99777 | 3.86248 |
| 37 | VOC | 2.04141 | 2.63157 | 3.81094 | 7.79645 | 0.43038 | 0.63948 | 1.95258 | 3.83355 |
| 38 | VOC | 1.99940 | 2.58363 | 3.74024 | 7.65834 | 0.42101 | 0.62556 | 1.91009 | 3.80695 |
| 39 | VOC | 1.95952 | 2.53916 | 3.67417 | 7.53041 | 0.41221 | 0.61249 | 1.87018 | 3.78269 |
| 40 | VOC | 1.92165 | 2.49799 | 3.61252 | 7.41196 | 0.40395 | 0.60022 | 1.83270 | 3.76075 |
| 41 | VOC | 1.88565 | 2.45997 | 3.55508 | 7.30232 | 0.39621 | 0.58871 | 1.79756 | 3.74110 |
| 42 | VOC | 1.85142 | 2.42489 | 3.50160 | 7.20092 | 0.38895 | 0.57793 | 1.76465 | 3.72370 |
| 43 | VOC | 1.81882 | 2.39254 | 3.45184 | 7.10721 | 0.38217 | 0.56785 | 1.73386 | 3.70844 |
| 44 | VOC | 1.78773 | 2.36268 | 3.40552 | 7.02071 | 0.37583 | 0.55843 | 1.70512 | 3.69520 |
| 45 | VOC | 1.75804 | 2.33505 | 3.36234 | 6.94101 | 0.36993 | 0.54966 | 1.67832 | 3.68381 |
| 46 | VOC | 1.72960 | 2.30934 | 3.32199 | 6.86770 | 0.36443 | 0.54149 | 1.65340 | 3.67407 |
| 47 | VOC | 1.70227 | 2.28518 | 3.28407 | 6.80044 | 0.35934 | 0.53392 | 1.63028 | 3.66569 |
| 48 | VOC | 1.67621 | 2.26203 | 3.24766 | 6.73803 | 0.35463 | 0.52692 | 1.60890 | 3.65837 |
| 49 | VOC | 1.66936 | 2.25436 | 3.23407 | 6.67369 | 0.35028 | 0.52047 | 1.58920 | 3.65837 |
| 50 | VOC | 1.66290 | 2.24713 | 3.22128 | 6.61546 | 0.34630 | 0.51455 | 1.57113 | 3.65837 |
| 51 | VOC | 1.65682 | 2.24031 | 3.20923 | 6.56303 | 0.34266 | 0.50914 | 1.55462 | 3.65837 |
| 52 | VOC | 1.65108 | 2.23388 | 3.19786 | 6.51616 | 0.33936 | 0.50424 | 1.53965 | 3.65837 |
| 53 | VOC | 1.64566 | 2.22781 | 3.18713 | 6.47461 | 0.33639 | 0.49982 | 1.52616 | 3.65837 |
| 54 | VOC | 1.64052 | 2.22206 | 3.17698 | 6.43818 | 0.33373 | 0.49588 | 1.51412 | 3.65837 |
| 55 | VOC | 1.63567 | 2.21663 | 3.16738 | 6.40670 | 0.33139 | 0.49240 | 1.50350 | 3.65837 |
| 56 | VOC | 1.70589 | 2.32956 | 3.32904 | 6.38004 | 0.32936 | 0.48938 | 1.49426 | 3.74904 |
| 57 | VOC | 1.77634 | 2.44276 | 3.49117 | 6.35808 | 0.32762 | 0.48680 | 1.48639 | 3.83972 |
| 58 | VOC | 1.84702 | 2.55620 | 3.65374 | 6.34072 | 0.32618 | 0.48466 | 1.47987 | 3.93039 |
| 59 | VOC | 1.91790 | 2.66988 | 3.81672 | 6.32790 | 0.32504 | 0.48296 | 1.47467 | 4.02107 |
| 60 | VOC | 1.98897 | 2.78377 | 3.98008 | 6.31957 | 0.32418 | 0.48169 | 1.47078 | 4.11175 |
| 61 | VOC | 2.06023 | 2.89786 | 4.14380 | 6.31571 | 0.32361 | 0.48084 | 1.46819 | 4.20242 |
| 62 | VOC | 2.13165 | 3.01214 | 4.30786 | 6.31632 | 0.32333 | 0.48042 | 1.46690 | 4.29310 |
| 63 | VOC | 2.20323 | 3.12660 | 4.47223 | 6.32143 | 0.32333 | 0.48042 | 1.46690 | 4.38377 |
| 64 | VOC | 2.27495 | 3.24123 | 4.63689 | 6.33109 | 0.32361 | 0.48084 | 1.46819 | 4.47445 |
| 65 | VOC | 2.34682 | 3.35600 | 4.80183 | 6.34535 | 0.32418 | 0.48169 | 1.47078 | 4.56513 |

# Table A-5
# Victoria 1990 CO Emission Rates
# for Time Period 2

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 180.98660 | 232.13130 | 366.54248 | 586.52551 | 5.15393 | 6.21866 | 41.98945 | 167.74496 |
| 4 CO | 137.90654 | 178.63145 | 282.19843 | 535.88306 | 4.74993 | 5.73120 | 38.69802 | 133.77856 |
| 5 CO | 111.20162 | 144.39984 | 227.15233 | 490.69171 | 4.38557 | 5.29156 | 35.72956 | 109.25309 |
| 6 CO | 93.07196 | 120.81063 | 188.70557 | 450.30093 | 4.05654 | 4.89456 | 33.04890 | 91.14944 |
| 7 CO | 80.01501 | 103.74127 | 160.62437 | 414.14502 | 3.75903 | 4.53558 | 30.62505 | 77.51443 |
| 8 CO | 70.20613 | 90.93879 | 139.42378 | 381.73090 | 3.48968 | 4.21060 | 28.43066 | 67.05386 |
| 9 CO | 62.59672 | 81.06161 | 122.99068 | 352.62885 | 3.24553 | 3.91601 | 26.44160 | 58.89103 |
| 10 CO | 56.54044 | 73.26132 | 109.97037 | 326.46286 | 3.02397 | 3.64867 | 24.63648 | 52.41971 |
| 11 CO | 51.61742 | 66.97625 | 99.45724 | 302.90411 | 2.82266 | 3.40578 | 22.99641 | 47.21259 |
| 12 CO | 47.54332 | 61.82077 | 90.82578 | 281.66437 | 2.63955 | 3.18485 | 21.50463 | 42.96316 |
| 13 CO | 44.11901 | 57.52211 | 83.63197 | 262.49081 | 2.47282 | 2.98367 | 20.14625 | 39.44794 |
| 14 CO | 41.20111 | 53.88237 | 77.55357 | 245.16125 | 2.32084 | 2.80029 | 18.90806 | 36.50156 |
| 15 CO | 38.68393 | 50.75500 | 72.35193 | 229.48004 | 2.18217 | 2.63297 | 17.77830 | 33.99998 |
| 16 CO | 36.48804 | 48.02964 | 67.84758 | 215.27496 | 2.05552 | 2.48016 | 16.74648 | 31.84913 |
| 17 CO | 34.55276 | 45.62212 | 63.90346 | 202.39398 | 1.93975 | 2.34048 | 15.80329 | 29.97691 |
| 18 CO | 32.83109 | 43.46768 | 60.41384 | 190.70279 | 1.83384 | 2.21268 | 14.94039 | 28.32760 |
| 19 CO | 31.28624 | 41.51634 | 57.29630 | 180.08270 | 1.73686 | 2.09567 | 14.15034 | 26.85796 |
| 20 CO | 29.92591 | 40.06878 | 54.96147 | 170.42853 | 1.64801 | 1.98847 | 13.42647 | 25.53420 |
| 21 CO | 28.72163 | 38.67583 | 52.78749 | 161.64719 | 1.56656 | 1.89018 | 12.76285 | 24.32997 |
| 22 CO | 27.61753 | 37.37162 | 50.79507 | 153.65598 | 1.49184 | 1.80003 | 12.15412 | 23.22470 |
| 23 CO | 26.59973 | 36.14229 | 48.95672 | 146.38150 | 1.42327 | 1.71730 | 11.59551 | 22.20236 |
| 24 CO | 25.65710 | 34.97798 | 47.25089 | 139.75850 | 1.36033 | 1.64136 | 11.08273 | 21.25056 |
| 25 CO | 24.78071 | 33.87189 | 45.66065 | 133.72911 | 1.30255 | 1.57163 | 10.61193 | 20.35984 |
| 26 CO | 23.96341 | 32.81960 | 44.17284 | 128.24161 | 1.24948 | 1.50761 | 10.17963 | 19.52293 |
| 27 CO | 23.19941 | 31.81851 | 42.77715 | 123.25017 | 1.20077 | 1.44883 | 9.78273 | 18.73444 |
| 28 CO | 22.48401 | 30.86720 | 41.46564 | 118.71387 | 1.15605 | 1.39487 | 9.41843 | 17.99035 |
| 29 CO | 21.81336 | 29.96518 | 40.23212 | 114.59636 | 1.11503 | 1.34538 | 9.08422 | 17.28773 |
| 30 CO | 21.18427 | 29.11238 | 39.07175 | 110.86532 | 1.07742 | 1.30000 | 8.77782 | 16.62442 |
| 31 CO | 20.59403 | 28.30905 | 37.98071 | 107.49196 | 1.04298 | 1.25844 | 8.49721 | 15.99891 |
| 32 CO | 20.04034 | 27.55542 | 36.95594 | 104.45081 | 1.01148 | 1.22043 | 8.24056 | 15.41007 |
| 33 CO | 19.52116 | 26.85168 | 35.99490 | 101.71921 | 0.98271 | 1.18572 | 8.00622 | 14.85702 |
| 34 CO | 19.03466 | 26.19778 | 35.09535 | 99.27722 | 0.95650 | 1.15410 | 7.79271 | 14.33909 |
| 35 CO | 18.57920 | 25.59354 | 34.25530 | 97.10726 | 0.93269 | 1.12537 | 7.59871 | 13.85558 |
| 36 CO | 18.15321 | 25.03844 | 33.47285 | 95.19392 | 0.91113 | 1.09936 | 7.42304 | 13.40585 |
| 37 CO | 17.75525 | 24.53172 | 32.74614 | 93.52380 | 0.89169 | 1.07590 | 7.26464 | 12.98918 |
| 38 CO | 17.38390 | 24.07230 | 32.07322 | 92.08539 | 0.87425 | 1.05486 | 7.12257 | 12.60470 |
| 39 CO | 17.03780 | 23.65886 | 31.45210 | 90.86876 | 0.85871 | 1.03611 | 6.99600 | 12.25146 |
| 40 CO | 16.71560 | 23.28977 | 30.88060 | 89.86569 | 0.84499 | 1.01955 | 6.88420 | 11.92829 |
| 41 CO | 16.41593 | 22.96302 | 30.35641 | 89.06943 | 0.83300 | 1.00509 | 6.78652 | 11.63380 |
| 42 CO | 16.13741 | 22.67625 | 29.87691 | 88.47466 | 0.82268 | 0.99263 | 6.70242 | 11.36647 |
| 43 CO | 15.87857 | 22.42657 | 29.43927 | 88.07742 | 0.81396 | 0.98212 | 6.63142 | 11.12443 |
| 44 CO | 15.63787 | 22.21058 | 29.04022 | 87.87507 | 0.80681 | 0.97348 | 6.57312 | 10.90557 |
| 45 CO | 15.41359 | 22.02401 | 28.67616 | 87.86629 | 0.80117 | 0.96668 | 6.52720 | 10.70743 |
| 46 CO | 15.20384 | 21.86177 | 28.34286 | 88.05099 | 0.79702 | 0.96168 | 6.49341 | 10.52724 |
| 47 CO | 15.00648 | 21.71767 | 28.03566 | 88.43044 | 0.79434 | 0.95844 | 6.47157 | 10.36173 |
| 48 CO | 14.81910 | 21.58427 | 27.74900 | 89.00710 | 0.79311 | 0.95696 | 6.46154 | 10.20728 |
| 49 CO | 14.81910 | 21.58427 | 27.74900 | 89.78484 | 0.79333 | 0.95722 | 6.46329 | 10.20728 |
| 50 CO | 14.81910 | 21.58427 | 27.74900 | 90.76885 | 0.79499 | 0.95922 | 6.47681 | 10.20728 |
| 51 CO | 14.81910 | 21.58427 | 27.74900 | 91.96574 | 0.79810 | 0.96298 | 6.50218 | 10.20728 |
| 52 CO | 14.81910 | 21.58427 | 27.74900 | 93.38365 | 0.80269 | 0.96851 | 6.53955 | 10.20728 |
| 53 CO | 14.81910 | 21.58427 | 27.74900 | 95.03223 | 0.80877 | 0.97585 | 6.58911 | 10.20728 |
| 54 CO | 14.81910 | 21.58427 | 27.74900 | 96.92293 | 0.81638 | 0.98504 | 6.65114 | 10.20728 |
| 55 CO | 14.81910 | 21.58427 | 27.74900 | 99.06895 | 0.82557 | 0.99612 | 6.72598 | 10.20728 |
| 56 CO | 17.76649 | 26.40245 | 34.19451 | 101.48553 | 0.83638 | 1.00917 | 6.81406 | 12.66533 |
| 57 CO | 20.71388 | 31.22063 | 40.64003 | 104.19001 | 0.84888 | 1.02424 | 6.91587 | 15.12338 |
| 58 CO | 23.66128 | 36.03882 | 47.08554 | 107.20214 | 0.86313 | 1.04144 | 7.03198 | 17.58143 |
| 59 CO | 26.60867 | 40.85700 | 53.53106 | 110.54429 | 0.87922 | 1.06085 | 7.16307 | 20.03948 |
| 60 CO | 29.55606 | 45.67519 | 59.97656 | 114.24167 | 0.89724 | 1.08260 | 7.30989 | 22.49753 |
| 61 CO | 32.50346 | 50.49337 | 66.42209 | 118.32277 | 0.91730 | 1.10680 | 7.47331 | 24.95558 |
| 62 CO | 35.45085 | 55.31155 | 72.86758 | 122.81956 | 0.93952 | 1.13361 | 7.65431 | 27.41363 |
| 63 CO | 38.39825 | 60.12974 | 79.31310 | 127.76802 | 0.96402 | 1.16318 | 7.85396 | 29.87168 |
| 64 CO | 41.34563 | 64.94793 | 85.75862 | 133.20859 | 0.99097 | 1.19569 | 8.07351 | 32.32973 |
| 65 CO | 44.29303 | 69.76611 | 92.20414 | 139.18671 | 1.02053 | 1.23135 | 8.31431 | 34.78778 |

# Table A-6
# Victoria 1990 NOX Emission Rates
# for Time Period 2

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 2.24625 | 2.50635 | 2.94460 | 5.03405 | 2.80125 | 3.34464 | 35.61877 | 0.81915 |
| 4 | NOX | 2.08951 | 2.33225 | 2.78567 | 5.08614 | 2.68327 | 3.20377 | 34.11861 | 0.78350 |
| 5 | NOX | 1.99194 | 2.22502 | 2.68780 | 5.13824 | 2.57391 | 3.07320 | 32.72806 | 0.75392 |
| 6 | NOX | 1.92460 | 2.15254 | 2.62173 | 5.19033 | 2.47252 | 2.95214 | 31.43880 | 0.72994 |
| 7 | NOX | 1.87502 | 2.10091 | 2.57480 | 5.24242 | 2.37849 | 2.83987 | 30.24324 | 0.71111 |
| 8 | NOX | 1.83693 | 2.06306 | 2.54054 | 5.29451 | 2.29129 | 2.73576 | 29.13449 | 0.69701 |
| 9 | NOX | 1.80681 | 2.03497 | 2.51530 | 5.34661 | 2.21043 | 2.63921 | 28.10627 | 0.68720 |
| 10 | NOX | 1.78249 | 2.01415 | 2.49677 | 5.39870 | 2.13545 | 2.54968 | 27.15287 | 0.68130 |
| 11 | NOX | 1.76259 | 1.99894 | 2.48345 | 5.45079 | 2.06594 | 2.46670 | 26.26909 | 0.67892 |
| 12 | NOX | 1.74615 | 1.98818 | 2.47426 | 5.50288 | 2.00154 | 2.38980 | 25.45018 | 0.67969 |
| 13 | NOX | 1.73250 | 1.98100 | 2.46841 | 5.55498 | 1.94190 | 2.31859 | 24.69184 | 0.68327 |
| 14 | NOX | 1.72112 | 1.97676 | 2.46529 | 5.60707 | 1.88671 | 2.25270 | 23.99014 | 0.68931 |
| 15 | NOX | 1.71164 | 1.97493 | 2.46443 | 5.65916 | 1.83570 | 2.19179 | 23.34150 | 0.69751 |
| 16 | NOX | 1.70374 | 1.97508 | 2.46542 | 5.71126 | 1.78861 | 2.13556 | 22.74267 | 0.70755 |
| 17 | NOX | 1.69720 | 1.97688 | 2.46795 | 5.76335 | 1.74520 | 2.08373 | 22.19069 | 0.71915 |
| 18 | NOX | 1.69181 | 1.98001 | 2.47173 | 5.81544 | 1.70526 | 2.03605 | 21.68288 | 0.73205 |
| 19 | NOX | 1.68740 | 1.98423 | 2.47654 | 5.86753 | 1.66860 | 1.99228 | 21.21679 | 0.74600 |
| 20 | NOX | 1.68668 | 1.99587 | 2.48925 | 5.91963 | 1.63506 | 1.95222 | 20.79022 | 0.76074 |
| 21 | NOX | 1.69433 | 2.02022 | 2.51379 | 5.97172 | 1.60446 | 1.91569 | 20.40118 | 0.77607 |
| 22 | NOX | 1.70166 | 2.04337 | 2.53716 | 6.02381 | 1.57667 | 1.88252 | 20.04787 | 0.79178 |
| 23 | NOX | 1.70872 | 2.06542 | 2.55945 | 6.07590 | 1.55157 | 1.85254 | 19.72867 | 0.80769 |
| 24 | NOX | 1.71553 | 2.08641 | 2.58072 | 6.12800 | 1.52904 | 1.82564 | 19.44214 | 0.82361 |
| 25 | NOX | 1.72213 | 2.10639 | 2.60102 | 6.18009 | 1.50897 | 1.80168 | 19.18700 | 0.83941 |
| 26 | NOX | 1.72852 | 2.12538 | 2.62041 | 6.23218 | 1.49128 | 1.78056 | 18.96211 | 0.85493 |
| 27 | NOX | 1.73472 | 2.14343 | 2.63892 | 6.28428 | 1.47590 | 1.76219 | 18.76649 | 0.87006 |
| 28 | NOX | 1.74076 | 2.16055 | 2.65658 | 6.33637 | 1.46275 | 1.74649 | 18.59928 | 0.88469 |
| 29 | NOX | 1.74664 | 2.17677 | 2.67344 | 6.38846 | 1.45177 | 1.73339 | 18.45975 | 0.89874 |
| 30 | NOX | 1.75238 | 2.19212 | 2.68953 | 6.44055 | 1.44293 | 1.72283 | 18.34731 | 0.91212 |
| 31 | NOX | 1.75799 | 2.20662 | 2.70490 | 6.49265 | 1.43618 | 1.71477 | 18.26146 | 0.92478 |
| 32 | NOX | 1.76350 | 2.22031 | 2.71959 | 6.54474 | 1.43149 | 1.70917 | 18.20184 | 0.93668 |
| 33 | NOX | 1.76891 | 2.23323 | 2.73364 | 6.59683 | 1.42885 | 1.70601 | 18.16820 | 0.94780 |
| 34 | NOX | 1.77424 | 2.24541 | 2.74713 | 6.64892 | 1.42823 | 1.70528 | 18.16039 | 0.95812 |
| 35 | NOX | 1.77952 | 2.25692 | 2.76009 | 6.70102 | 1.42965 | 1.70697 | 18.17838 | 0.96767 |
| 36 | NOX | 1.78477 | 2.26780 | 2.77261 | 6.75311 | 1.43310 | 1.71109 | 18.22224 | 0.97645 |
| 37 | NOX | 1.79002 | 2.27811 | 2.78476 | 6.80520 | 1.43860 | 1.71765 | 18.29216 | 0.98452 |
| 38 | NOX | 1.79530 | 2.28792 | 2.79662 | 6.85730 | 1.44617 | 1.72670 | 18.38845 | 0.99193 |
| 39 | NOX | 1.80063 | 2.29731 | 2.80828 | 6.90939 | 1.45585 | 1.73825 | 18.51151 | 0.99875 |
| 40 | NOX | 1.80605 | 2.30636 | 2.81984 | 6.96148 | 1.46767 | 1.75237 | 18.66188 | 1.00507 |
| 41 | NOX | 1.81160 | 2.31517 | 2.83140 | 7.01357 | 1.48170 | 1.76911 | 18.84020 | 1.01101 |
| 42 | NOX | 1.81731 | 2.32383 | 2.84308 | 7.06567 | 1.49798 | 1.78856 | 19.04725 | 1.01667 |
| 43 | NOX | 1.82325 | 2.33246 | 2.85500 | 7.11776 | 1.51659 | 1.81078 | 19.28394 | 1.02221 |
| 44 | NOX | 1.82944 | 2.34116 | 2.86729 | 7.16985 | 1.53762 | 1.83589 | 19.55132 | 1.02777 |
| 45 | NOX | 1.83594 | 2.35006 | 2.88010 | 7.22194 | 1.56116 | 1.86399 | 19.85057 | 1.03354 |
| 46 | NOX | 1.84281 | 2.35930 | 2.89356 | 7.27404 | 1.58730 | 1.89521 | 20.18304 | 1.03969 |
| 47 | NOX | 1.85010 | 2.36903 | 2.90785 | 7.32613 | 1.61618 | 1.92969 | 20.55025 | 1.04643 |
| 48 | NOX | 1.85788 | 2.37938 | 2.92312 | 7.37822 | 1.64793 | 1.96759 | 20.95386 | 1.05398 |
| 49 | NOX | 1.93964 | 2.47653 | 3.05202 | 7.43032 | 1.68268 | 2.00908 | 21.39576 | 1.08830 |
| 50 | NOX | 2.02140 | 2.57367 | 3.18092 | 7.48241 | 1.72061 | 2.05437 | 21.87803 | 1.12262 |
| 51 | NOX | 2.10316 | 2.67082 | 3.30982 | 7.53450 | 1.76189 | 2.10366 | 22.40295 | 1.15694 |
| 52 | NOX | 2.18492 | 2.76797 | 3.43872 | 7.58659 | 1.80673 | 2.15720 | 22.97307 | 1.19126 |
| 53 | NOX | 2.26668 | 2.86512 | 3.56762 | 7.63869 | 1.85534 | 2.21524 | 23.59118 | 1.22558 |
| 54 | NOX | 2.34844 | 2.96226 | 3.69652 | 7.69078 | 1.90796 | 2.27807 | 24.26034 | 1.25990 |
| 55 | NOX | 2.43019 | 3.05941 | 3.82542 | 7.74287 | 1.96487 | 2.34602 | 24.98393 | 1.29422 |
| 56 | NOX | 2.51195 | 3.15656 | 3.95432 | 7.79496 | 2.02635 | 2.41942 | 25.76567 | 1.32854 |
| 57 | NOX | 2.59371 | 3.25370 | 4.08322 | 7.84706 | 2.09272 | 2.49867 | 26.60962 | 1.36286 |
| 58 | NOX | 2.67547 | 3.35085 | 4.21212 | 7.89915 | 2.16434 | 2.58418 | 27.52027 | 1.39718 |
| 59 | NOX | 2.75723 | 3.44800 | 4.34102 | 7.95124 | 2.24159 | 2.67642 | 28.50253 | 1.43150 |
| 60 | NOX | 2.83899 | 3.54515 | 4.46992 | 8.00333 | 2.32490 | 2.77588 | 29.56179 | 1.46582 |
| 61 | NOX | 2.92075 | 3.64229 | 4.59882 | 8.05543 | 2.41473 | 2.88314 | 30.70399 | 1.50014 |
| 62 | NOX | 3.00251 | 3.73944 | 4.72772 | 8.10752 | 2.51159 | 2.99879 | 31.93564 | 1.53446 |
| 63 | NOX | 3.08427 | 3.83659 | 4.85662 | 8.15961 | 2.61605 | 3.12352 | 33.26390 | 1.56878 |
| 64 | NOX | 3.16602 | 3.93373 | 4.98551 | 8.21171 | 2.72873 | 3.25805 | 34.69664 | 1.60310 |
| 65 | NOX | 3.24778 | 4.03088 | 5.11441 | 8.26380 | 2.85031 | 3.40321 | 36.24252 | 1.63742 |

# Table A-7
# Victoria 1990 VOC Emission Rates
# for Time Period 3

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 21.91299 | 25.12870 | 40.27548 | 57.48449 | 1.53496 | 2.28073 | 6.96399 | 13.03530 |
| 4 | VOC | 15.54668 | 18.12923 | 28.64260 | 44.62235 | 1.45730 | 2.16534 | 6.61165 | 11.16463 |
| 5 | VOC | 12.06105 | 14.20323 | 22.16642 | 37.50542 | 1.38479 | 2.05759 | 6.28265 | 9.78092 |
| 6 | VOC | 9.87609 | 11.69965 | 18.05755 | 32.79276 | 1.31704 | 1.95693 | 5.97529 | 8.73768 |
| 7 | VOC | 8.38553 | 9.97383 | 15.23638 | 29.31906 | 1.25371 | 1.86283 | 5.68797 | 7.93742 |
| 8 | VOC | 7.47898 | 8.87571 | 13.45176 | 27.01590 | 1.19448 | 1.77482 | 5.41922 | 7.31382 |
| 9 | VOC | 6.77992 | 8.03240 | 12.08650 | 25.05741 | 1.13904 | 1.69245 | 5.16773 | 6.82084 |
| 10 | VOC | 6.21006 | 7.35489 | 10.99461 | 23.32823 | 1.08714 | 1.61533 | 4.93224 | 6.42590 |
| 11 | VOC | 5.73461 | 6.79916 | 10.10394 | 21.79038 | 1.03851 | 1.54307 | 4.71162 | 6.10554 |
| 12 | VOC | 5.33008 | 6.33491 | 9.36480 | 20.41506 | 0.99293 | 1.47535 | 4.50484 | 5.84256 |
| 13 | VOC | 4.98003 | 5.94065 | 8.74194 | 19.17964 | 0.95019 | 1.41184 | 4.31093 | 5.62419 |
| 14 | VOC | 4.67260 | 5.60076 | 8.20975 | 18.06581 | 0.91009 | 1.35226 | 4.12899 | 5.44080 |
| 15 | VOC | 4.39907 | 5.30364 | 7.74923 | 17.05845 | 0.87245 | 1.29633 | 3.95821 | 5.28501 |
| 16 | VOC | 4.15285 | 5.04053 | 7.34602 | 16.14488 | 0.83710 | 1.24381 | 3.79784 | 5.15115 |
| 17 | VOC | 3.92893 | 4.80476 | 6.98914 | 15.31433 | 0.80389 | 1.19446 | 3.64717 | 5.03476 |
| 18 | VOC | 3.72339 | 4.59113 | 6.67007 | 14.55756 | 0.77268 | 1.14809 | 3.50557 | 4.93238 |
| 19 | VOC | 3.53317 | 4.39562 | 6.38213 | 13.86660 | 0.74333 | 1.10448 | 3.37243 | 4.84123 |
| 20 | VOC | 3.37251 | 4.24028 | 6.15097 | 13.24354 | 0.71573 | 1.06347 | 3.24720 | 4.75914 |
| 21 | VOC | 3.24899 | 4.09485 | 5.92979 | 12.68684 | 0.68976 | 1.02488 | 3.12937 | 4.68438 |
| 22 | VOC | 3.13545 | 3.96018 | 5.72700 | 12.17761 | 0.66532 | 0.98856 | 3.01848 | 4.61559 |
| 23 | VOC | 3.03055 | 3.83476 | 5.53993 | 11.71113 | 0.64230 | 0.95437 | 2.91408 | 4.55168 |
| 24 | VOC | 2.93319 | 3.71738 | 5.36644 | 11.28327 | 0.62063 | 0.92217 | 2.81576 | 4.49184 |
| 25 | VOC | 2.84246 | 3.60713 | 5.20484 | 10.89034 | 0.60022 | 0.89184 | 2.72316 | 4.43541 |
| 26 | VOC | 2.75762 | 3.50329 | 5.05374 | 10.52906 | 0.58100 | 0.86327 | 2.63592 | 4.38194 |
| 27 | VOC | 2.67806 | 3.40534 | 4.91207 | 10.19653 | 0.56288 | 0.83635 | 2.55372 | 4.33108 |
| 28 | VOC | 2.60326 | 3.31285 | 4.77893 | 9.89014 | 0.54581 | 0.81099 | 2.47627 | 4.28259 |
| 29 | VOC | 2.53279 | 3.22550 | 4.65364 | 9.60758 | 0.52972 | 0.78708 | 2.40328 | 4.23632 |
| 30 | VOC | 2.46630 | 3.14305 | 4.53562 | 9.34676 | 0.51456 | 0.76455 | 2.33449 | 4.19218 |
| 31 | VOC | 2.40347 | 3.06528 | 4.42441 | 9.10581 | 0.50027 | 0.74332 | 2.26967 | 4.15013 |
| 32 | VOC | 2.34403 | 2.99204 | 4.31962 | 8.88306 | 0.48680 | 0.72332 | 2.20859 | 4.11019 |
| 33 | VOC | 2.28776 | 2.92317 | 4.22093 | 8.67701 | 0.47412 | 0.70447 | 2.15104 | 4.07236 |
| 34 | VOC | 2.23444 | 2.85854 | 4.12806 | 8.48630 | 0.46217 | 0.68672 | 2.09684 | 4.03669 |
| 35 | VOC | 2.18389 | 2.79802 | 4.04075 | 8.30970 | 0.45093 | 0.67001 | 2.04581 | 4.00323 |
| 36 | VOC | 2.13594 | 2.74147 | 3.95878 | 8.14613 | 0.44034 | 0.65428 | 1.99777 | 3.97203 |
| 37 | VOC | 2.09044 | 2.68876 | 3.88193 | 7.99458 | 0.43038 | 0.63948 | 1.95258 | 3.94312 |
| 38 | VOC | 2.04725 | 2.63974 | 3.80998 | 7.85416 | 0.42101 | 0.62556 | 1.91009 | 3.91653 |
| 39 | VOC | 2.00623 | 2.59426 | 3.74272 | 7.72406 | 0.41221 | 0.61249 | 1.87018 | 3.89227 |
| 40 | VOC | 1.96725 | 2.55216 | 3.67994 | 7.60355 | 0.40395 | 0.60022 | 1.83270 | 3.87034 |
| 41 | VOC | 1.93018 | 2.51325 | 3.62141 | 7.49196 | 0.39621 | 0.58871 | 1.79756 | 3.85071 |
| 42 | VOC | 1.89490 | 2.47735 | 3.56690 | 7.38871 | 0.38895 | 0.57793 | 1.76465 | 3.83331 |
| 43 | VOC | 1.86130 | 2.44423 | 3.51614 | 7.29325 | 0.38217 | 0.56785 | 1.73386 | 3.81805 |
| 44 | VOC | 1.82923 | 2.41365 | 3.46886 | 7.20510 | 0.37583 | 0.55843 | 1.70512 | 3.80482 |
| 45 | VOC | 1.79858 | 2.38533 | 3.42477 | 7.12382 | 0.36993 | 0.54966 | 1.67832 | 3.79344 |
| 46 | VOC | 1.76921 | 2.35897 | 3.38353 | 7.04901 | 0.36443 | 0.54149 | 1.65340 | 3.78370 |
| 47 | VOC | 1.74097 | 2.33421 | 3.34476 | 6.98032 | 0.35934 | 0.53392 | 1.63028 | 3.77532 |
| 48 | VOC | 1.71404 | 2.31045 | 3.30750 | 6.91650 | 0.35463 | 0.52692 | 1.60890 | 3.76800 |
| 49 | VOC | 1.70673 | 2.30226 | 3.29297 | 6.85030 | 0.35028 | 0.52047 | 1.58920 | 3.76800 |
| 50 | VOC | 1.69985 | 2.29455 | 3.27930 | 6.79034 | 0.34630 | 0.51455 | 1.57113 | 3.76800 |
| 51 | VOC | 1.69336 | 2.28728 | 3.26643 | 6.73630 | 0.34266 | 0.50914 | 1.55462 | 3.76800 |
| 52 | VOC | 1.68724 | 2.28042 | 3.25428 | 6.68792 | 0.33936 | 0.50424 | 1.53965 | 3.76800 |
| 53 | VOC | 1.68146 | 2.27394 | 3.24282 | 6.64496 | 0.33639 | 0.49982 | 1.52616 | 3.76800 |
| 54 | VOC | 1.67599 | 2.26781 | 3.23198 | 6.60723 | 0.33373 | 0.49588 | 1.51412 | 3.76800 |
| 55 | VOC | 1.67081 | 2.26201 | 3.22172 | 6.57453 | 0.33139 | 0.49240 | 1.50350 | 3.76800 |
| 56 | VOC | 1.74151 | 2.37608 | 3.38391 | 6.54674 | 0.32936 | 0.48938 | 1.49426 | 3.85863 |
| 57 | VOC | 1.81247 | 2.49044 | 3.54661 | 6.52372 | 0.32762 | 0.48680 | 1.48639 | 3.94927 |
| 58 | VOC | 1.88366 | 2.60505 | 3.70978 | 6.50539 | 0.32618 | 0.48466 | 1.47987 | 4.03991 |
| 59 | VOC | 1.95507 | 2.71992 | 3.87339 | 6.49166 | 0.32504 | 0.48296 | 1.47467 | 4.13054 |
| 60 | VOC | 2.02669 | 2.83501 | 4.03741 | 6.48249 | 0.32418 | 0.48169 | 1.47078 | 4.22118 |
| 61 | VOC | 2.09850 | 2.95032 | 4.20181 | 6.47786 | 0.32361 | 0.48084 | 1.46819 | 4.31182 |
| 62 | VOC | 2.17049 | 3.06583 | 4.36656 | 6.47777 | 0.32333 | 0.48042 | 1.46690 | 4.40245 |
| 63 | VOC | 2.24264 | 3.18152 | 4.53166 | 6.48224 | 0.32333 | 0.48042 | 1.46690 | 4.49309 |
| 64 | VOC | 2.31496 | 3.29740 | 4.69706 | 6.49131 | 0.32361 | 0.48084 | 1.46819 | 4.58373 |
| 65 | VOC | 2.38742 | 3.41344 | 4.86277 | 6.50505 | 0.32418 | 0.48169 | 1.47078 | 4.67436 |

# Table A-8
# Victoria 1990 CO Emission Rates
# for Time Period 3

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 185.09430 | 237.77588 | 373.90692 | 599.30634 | 5.15393 | 6.21866 | 41.98945 | 170.99405 |
| 4 CO | 141.02045 | 182.98428 | 287.80725 | 547.56042 | 4.74993 | 5.73120 | 38.69802 | 136.36978 |
| 5 CO | 113.69864 | 147.91522 | 231.63971 | 501.38428 | 4.38557 | 5.29156 | 35.72956 | 111.36938 |
| 6 CO | 95.15032 | 123.74652 | 192.41953 | 460.11334 | 4.05654 | 4.89456 | 33.04890 | 92.91526 |
| 7 CO | 81.79227 | 106.25828 | 163.77751 | 423.16953 | 3.75903 | 4.53558 | 30.62505 | 79.01633 |
| 8 CO | 71.75761 | 93.14279 | 142.15500 | 390.04916 | 3.48968 | 4.21060 | 28.43066 | 68.35330 |
| 9 CO | 63.97337 | 83.02548 | 125.39529 | 360.31290 | 3.24553 | 3.91601 | 26.44160 | 60.03251 |
| 10 CO | 57.77825 | 75.03674 | 112.11606 | 333.57672 | 3.02397 | 3.64867 | 24.63648 | 53.43595 |
| 11 CO | 52.74257 | 68.60081 | 101.39355 | 309.50458 | 2.82266 | 3.40578 | 22.99641 | 48.12806 |
| 12 CO | 48.57538 | 63.32238 | 92.58975 | 287.80203 | 2.63955 | 3.18485 | 21.50463 | 43.79639 |
| 13 CO | 45.07292 | 58.92170 | 85.25192 | 268.21075 | 2.47282 | 2.98367 | 20.14625 | 40.21314 |
| 14 CO | 42.08847 | 55.19591 | 79.05145 | 250.50351 | 2.32084 | 2.80029 | 18.90806 | 37.20972 |
| 15 CO | 39.51390 | 51.99471 | 73.74506 | 234.48061 | 2.18217 | 2.63297 | 17.77830 | 34.65971 |
| 16 CO | 37.26790 | 49.20494 | 69.14972 | 219.96594 | 2.05552 | 2.48016 | 16.74648 | 32.46721 |
| 17 CO | 35.28838 | 46.74030 | 65.12575 | 206.80431 | 1.93975 | 2.34048 | 15.80329 | 30.55873 |
| 18 CO | 33.52727 | 44.53440 | 61.56532 | 194.85834 | 1.83384 | 2.21268 | 14.94039 | 28.87747 |
| 19 CO | 31.94691 | 42.53601 | 58.38443 | 184.00685 | 1.73686 | 2.09567 | 14.15034 | 27.37933 |
| 20 CO | 30.55517 | 41.05260 | 56.00479 | 174.14233 | 1.64801 | 1.98847 | 13.42647 | 26.02991 |
| 21 CO | 29.32304 | 39.62485 | 53.78857 | 165.16959 | 1.56656 | 1.89018 | 12.76285 | 24.80232 |
| 22 CO | 28.19329 | 38.28753 | 51.75743 | 157.00426 | 1.49184 | 1.80003 | 12.15412 | 23.67560 |
| 23 CO | 27.15172 | 37.02650 | 49.88338 | 149.57126 | 1.42327 | 1.71730 | 11.59551 | 22.63341 |
| 24 CO | 26.18695 | 35.83170 | 48.14445 | 142.80396 | 1.36033 | 1.64136 | 11.08273 | 21.66313 |
| 25 CO | 25.28988 | 34.69625 | 46.52338 | 136.64316 | 1.30255 | 1.57163 | 10.61193 | 20.75510 |
| 26 CO | 24.45320 | 33.61569 | 45.00674 | 131.03610 | 1.24948 | 1.50761 | 10.17963 | 19.90193 |
| 27 CO | 23.67101 | 32.58744 | 43.58409 | 125.93587 | 1.20077 | 1.44883 | 9.78273 | 19.09811 |
| 28 CO | 22.93852 | 31.61011 | 42.24727 | 121.30074 | 1.15605 | 1.39487 | 9.41843 | 18.33956 |
| 29 CO | 22.25182 | 30.68327 | 40.98998 | 117.09352 | 1.11503 | 1.34538 | 9.08422 | 17.62327 |
| 30 CO | 21.60764 | 29.80692 | 39.80729 | 113.28117 | 1.07742 | 1.30000 | 8.77782 | 16.94707 |
| 31 CO | 21.00325 | 28.98137 | 38.69530 | 109.83429 | 1.04298 | 1.25844 | 8.49721 | 16.30940 |
| 32 CO | 20.43628 | 28.20691 | 37.65089 | 106.72687 | 1.01148 | 1.22043 | 8.24056 | 15.70912 |
| 33 CO | 19.90466 | 27.48377 | 36.67142 | 103.93573 | 0.98271 | 1.18572 | 8.00622 | 15.14532 |
| 34 CO | 19.40654 | 26.81196 | 35.75466 | 101.44054 | 0.95650 | 1.15410 | 7.79271 | 14.61732 |
| 35 CO | 18.94024 | 26.19129 | 34.89853 | 99.22331 | 0.93269 | 1.12537 | 7.59871 | 14.12442 |
| 36 CO | 18.50415 | 25.62126 | 34.10110 | 97.26826 | 0.91113 | 1.09936 | 7.42304 | 13.66595 |
| 37 CO | 18.09681 | 25.10109 | 33.36046 | 95.56177 | 0.89169 | 1.07590 | 7.26464 | 13.24119 |
| 38 CO | 17.71676 | 24.62970 | 32.67463 | 94.09198 | 0.87425 | 1.05486 | 7.12257 | 12.84925 |
| 39 CO | 17.36262 | 24.20575 | 32.04156 | 92.84885 | 0.85871 | 1.03611 | 6.99600 | 12.48915 |
| 40 CO | 17.03300 | 23.82753 | 31.45903 | 91.82393 | 0.84499 | 1.01955 | 6.88420 | 12.15971 |
| 41 CO | 16.72650 | 23.49298 | 30.92468 | 91.01032 | 0.83300 | 1.00509 | 6.78652 | 11.85952 |
| 42 CO | 16.44169 | 23.19968 | 30.43584 | 90.40257 | 0.82268 | 0.99263 | 6.70242 | 11.58701 |
| 43 CO | 16.17708 | 22.94463 | 29.98963 | 89.99670 | 0.81396 | 0.98212 | 6.63142 | 11.34028 |
| 44 CO | 15.93107 | 22.72432 | 29.58271 | 89.78994 | 0.80681 | 0.97348 | 6.57312 | 11.11718 |
| 45 CO | 15.70191 | 22.53435 | 29.21141 | 89.78097 | 0.80117 | 0.96668 | 6.52720 | 10.91521 |
| 46 CO | 15.48763 | 22.36942 | 28.87142 | 89.96970 | 0.79702 | 0.96168 | 6.49341 | 10.73153 |
| 47 CO | 15.28604 | 22.22313 | 28.55800 | 90.35738 | 0.79434 | 0.95844 | 6.47157 | 10.56282 |
| 48 CO | 15.09465 | 22.08778 | 28.26550 | 90.94665 | 0.79311 | 0.95696 | 6.46154 | 10.40538 |
| 49 CO | 15.09465 | 22.08778 | 28.26550 | 91.74133 | 0.79333 | 0.95722 | 6.46329 | 10.40538 |
| 50 CO | 15.09465 | 22.08778 | 28.26550 | 92.74678 | 0.79499 | 0.95922 | 6.47681 | 10.40538 |
| 51 CO | 15.09465 | 22.08778 | 28.26550 | 93.96974 | 0.79810 | 0.96298 | 6.50218 | 10.40538 |
| 52 CO | 15.09465 | 22.08778 | 28.26550 | 95.41855 | 0.80269 | 0.96851 | 6.53955 | 10.40538 |
| 53 CO | 15.09465 | 22.08778 | 28.26550 | 97.10306 | 0.80877 | 0.97585 | 6.58911 | 10.40538 |
| 54 CO | 15.09465 | 22.08778 | 28.26550 | 99.03496 | 0.81638 | 0.98504 | 6.65114 | 10.40538 |
| 55 CO | 15.09465 | 22.08778 | 28.26550 | 101.22775 | 0.82557 | 0.99612 | 6.72598 | 10.40538 |
| 56 CO | 18.10673 | 27.02777 | 34.83600 | 103.69699 | 0.83638 | 1.00917 | 6.81406 | 12.91114 |
| 57 CO | 21.11881 | 31.96776 | 41.40649 | 106.46039 | 0.84888 | 1.02424 | 6.91587 | 15.41690 |
| 58 CO | 24.13089 | 36.90776 | 47.97699 | 109.53816 | 0.86313 | 1.04144 | 7.03198 | 17.92266 |
| 59 CO | 27.14297 | 41.84774 | 54.54748 | 112.95313 | 0.87922 | 1.06085 | 7.16307 | 20.42842 |
| 60 CO | 30.15506 | 46.78773 | 61.11798 | 116.73108 | 0.89724 | 1.08260 | 7.30989 | 22.93418 |
| 61 CO | 33.16713 | 51.72773 | 67.68848 | 120.90112 | 0.91730 | 1.10680 | 7.47331 | 25.43993 |
| 62 CO | 36.17921 | 56.66772 | 74.25897 | 125.49588 | 0.93952 | 1.13361 | 7.65431 | 27.94569 |
| 63 CO | 39.19130 | 61.60770 | 80.82947 | 130.55219 | 0.96402 | 1.16318 | 7.85396 | 30.45145 |
| 64 CO | 42.20338 | 66.54771 | 87.39996 | 136.11130 | 0.99097 | 1.19569 | 8.07351 | 32.95721 |
| 65 CO | 45.21545 | 71.48769 | 93.97046 | 142.21970 | 1.02053 | 1.23135 | 8.31431 | 35.46297 |

# Table A-9
# Victoria 1990 NOX Emission Rates
# for Time Period 3

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 2.23753 | 2.49693 | 2.92273 | 4.99798 | 2.80125 | 3.34464 | 35.61877 | 0.81245 |
| 4 | NOX | 2.08087 | 2.32311 | 2.76421 | 5.04970 | 2.68327 | 3.20377 | 34.11861 | 0.77710 |
| 5 | NOX | 1.98341 | 2.21609 | 2.66661 | 5.10142 | 2.57391 | 3.07320 | 32.72806 | 0.74776 |
| 6 | NOX | 1.91620 | 2.14376 | 2.60073 | 5.15314 | 2.47252 | 2.95214 | 31.43880 | 0.72397 |
| 7 | NOX | 1.86674 | 2.09225 | 2.55392 | 5.20486 | 2.37849 | 2.83987 | 30.24324 | 0.70530 |
| 8 | NOX | 1.82877 | 2.05449 | 2.51974 | 5.25658 | 2.29129 | 2.73576 | 29.13449 | 0.69131 |
| 9 | NOX | 1.79875 | 2.02646 | 2.49453 | 5.30830 | 2.21043 | 2.63921 | 28.10627 | 0.68158 |
| 10 | NOX | 1.77454 | 2.00567 | 2.47602 | 5.36002 | 2.13545 | 2.54968 | 27.15287 | 0.67573 |
| 11 | NOX | 1.75473 | 1.99048 | 2.46268 | 5.41174 | 2.06594 | 2.46670 | 26.26909 | 0.67337 |
| 12 | NOX | 1.73838 | 1.97971 | 2.45345 | 5.46346 | 2.00154 | 2.38980 | 25.45018 | 0.67414 |
| 13 | NOX | 1.72479 | 1.97252 | 2.44755 | 5.51518 | 1.94190 | 2.31859 | 24.69184 | 0.67768 |
| 14 | NOX | 1.71348 | 1.96824 | 2.44435 | 5.56690 | 1.88671 | 2.25270 | 23.99014 | 0.68368 |
| 15 | NOX | 1.70405 | 1.96637 | 2.44340 | 5.61862 | 1.83570 | 2.19179 | 23.34150 | 0.69180 |
| 16 | NOX | 1.69620 | 1.96648 | 2.44429 | 5.67033 | 1.78861 | 2.13556 | 22.74267 | 0.70176 |
| 17 | NOX | 1.68969 | 1.96821 | 2.44671 | 5.72205 | 1.74520 | 2.08373 | 22.19069 | 0.71327 |
| 18 | NOX | 1.68433 | 1.97128 | 2.45038 | 5.77377 | 1.70526 | 2.03605 | 21.68288 | 0.72607 |
| 19 | NOX | 1.67996 | 1.97543 | 2.45507 | 5.82549 | 1.66860 | 1.99228 | 21.21679 | 0.73990 |
| 20 | NOX | 1.67926 | 1.98697 | 2.46762 | 5.87721 | 1.63506 | 1.95222 | 20.79022 | 0.75452 |
| 21 | NOX | 1.68693 | 2.01120 | 2.49198 | 5.92893 | 1.60446 | 1.91569 | 20.40118 | 0.76973 |
| 22 | NOX | 1.69429 | 2.03425 | 2.51517 | 5.98065 | 1.57667 | 1.88252 | 20.04787 | 0.78531 |
| 23 | NOX | 1.70136 | 2.05619 | 2.53727 | 6.03237 | 1.55157 | 1.85254 | 19.72867 | 0.80108 |
| 24 | NOX | 1.70818 | 2.07707 | 2.55837 | 6.08409 | 1.52904 | 1.82564 | 19.44214 | 0.81688 |
| 25 | NOX | 1.71477 | 2.09694 | 2.57851 | 6.13581 | 1.50897 | 1.80168 | 19.18700 | 0.83255 |
| 26 | NOX | 1.72116 | 2.11584 | 2.59773 | 6.18753 | 1.49128 | 1.78056 | 18.96211 | 0.84794 |
| 27 | NOX | 1.72736 | 2.13378 | 2.61607 | 6.23925 | 1.47590 | 1.76219 | 18.76649 | 0.86295 |
| 28 | NOX | 1.73339 | 2.15080 | 2.63358 | 6.29097 | 1.46275 | 1.74649 | 18.59928 | 0.87746 |
| 29 | NOX | 1.73925 | 2.16693 | 2.65029 | 6.34269 | 1.45177 | 1.73339 | 18.45975 | 0.89139 |
| 30 | NOX | 1.74497 | 2.18219 | 2.66623 | 6.39441 | 1.44293 | 1.72283 | 18.34731 | 0.90466 |
| 31 | NOX | 1.75056 | 2.19660 | 2.68146 | 6.44613 | 1.43618 | 1.71477 | 18.26146 | 0.91722 |
| 32 | NOX | 1.75604 | 2.21021 | 2.69600 | 6.49785 | 1.43149 | 1.70917 | 18.20184 | 0.92902 |
| 33 | NOX | 1.76142 | 2.22305 | 2.70992 | 6.54957 | 1.42885 | 1.70601 | 18.16820 | 0.94005 |
| 34 | NOX | 1.76672 | 2.23516 | 2.72327 | 6.60128 | 1.42823 | 1.70528 | 18.16039 | 0.95029 |
| 35 | NOX | 1.77196 | 2.24659 | 2.73610 | 6.65300 | 1.42965 | 1.70697 | 18.17838 | 0.95976 |
| 36 | NOX | 1.77717 | 2.25739 | 2.74849 | 6.70472 | 1.43310 | 1.71109 | 18.22224 | 0.96847 |
| 37 | NOX | 1.78237 | 2.26763 | 2.76051 | 6.75644 | 1.43860 | 1.71765 | 18.29216 | 0.97647 |
| 38 | NOX | 1.78759 | 2.27737 | 2.77224 | 6.80816 | 1.44617 | 1.72670 | 18.38845 | 0.98382 |
| 39 | NOX | 1.79286 | 2.28670 | 2.78377 | 6.85988 | 1.45585 | 1.73825 | 18.51151 | 0.99058 |
| 40 | NOX | 1.79822 | 2.29568 | 2.79519 | 6.91160 | 1.46767 | 1.75237 | 18.66188 | 0.99685 |
| 41 | NOX | 1.80370 | 2.30442 | 2.80661 | 6.96332 | 1.48170 | 1.76911 | 18.84020 | 1.00274 |
| 42 | NOX | 1.80935 | 2.31301 | 2.81814 | 7.01504 | 1.49798 | 1.78856 | 19.04725 | 1.00836 |
| 43 | NOX | 1.81520 | 2.32156 | 2.82991 | 7.06676 | 1.51659 | 1.81078 | 19.28394 | 1.01385 |
| 44 | NOX | 1.82130 | 2.33019 | 2.84204 | 7.11848 | 1.53762 | 1.83589 | 19.55132 | 1.01937 |
| 45 | NOX | 1.82771 | 2.33901 | 2.85468 | 7.17020 | 1.56116 | 1.86399 | 19.85057 | 1.02509 |
| 46 | NOX | 1.83447 | 2.34817 | 2.86796 | 7.22192 | 1.58730 | 1.89521 | 20.18304 | 1.03119 |
| 47 | NOX | 1.84165 | 2.35780 | 2.88205 | 7.27364 | 1.61618 | 1.92969 | 20.55025 | 1.03787 |
| 48 | NOX | 1.84931 | 2.36805 | 2.89711 | 7.32536 | 1.64793 | 1.96759 | 20.95386 | 1.04536 |
| 49 | NOX | 1.93066 | 2.46473 | 3.02482 | 7.37708 | 1.68268 | 2.00908 | 21.39576 | 1.07940 |
| 50 | NOX | 2.01201 | 2.56141 | 3.15254 | 7.42880 | 1.72061 | 2.05437 | 21.87803 | 1.11344 |
| 51 | NOX | 2.09337 | 2.65808 | 3.28025 | 7.48052 | 1.76189 | 2.10366 | 22.40295 | 1.14748 |
| 52 | NOX | 2.17472 | 2.75476 | 3.40797 | 7.53224 | 1.80673 | 2.15720 | 22.97307 | 1.18152 |
| 53 | NOX | 2.25607 | 2.85144 | 3.53568 | 7.58395 | 1.85534 | 2.21524 | 23.59118 | 1.21556 |
| 54 | NOX | 2.33742 | 2.94812 | 3.66340 | 7.63567 | 1.90796 | 2.27807 | 24.26034 | 1.24960 |
| 55 | NOX | 2.41877 | 3.04479 | 3.79111 | 7.68739 | 1.96487 | 2.34602 | 24.98393 | 1.28363 |
| 56 | NOX | 2.50013 | 3.14147 | 3.91883 | 7.73911 | 2.02635 | 2.41942 | 25.76567 | 1.31767 |
| 57 | NOX | 2.58148 | 3.23815 | 4.04654 | 7.79083 | 2.09272 | 2.49867 | 26.60962 | 1.35171 |
| 58 | NOX | 2.66283 | 3.33483 | 4.17426 | 7.84255 | 2.16434 | 2.58418 | 27.52027 | 1.38575 |
| 59 | NOX | 2.74418 | 3.43150 | 4.30197 | 7.89427 | 2.24159 | 2.67642 | 28.50253 | 1.41979 |
| 60 | NOX | 2.82553 | 3.52818 | 4.42969 | 7.94599 | 2.32490 | 2.77588 | 29.56179 | 1.45383 |
| 61 | NOX | 2.90688 | 3.62486 | 4.55740 | 7.99771 | 2.41473 | 2.88314 | 30.70399 | 1.48787 |
| 62 | NOX | 2.98824 | 3.72154 | 4.68511 | 8.04943 | 2.51159 | 2.99879 | 31.93564 | 1.52191 |
| 63 | NOX | 3.06959 | 3.81821 | 4.81283 | 8.10115 | 2.61605 | 3.12352 | 33.26390 | 1.55595 |
| 64 | NOX | 3.15094 | 3.91489 | 4.94055 | 8.15287 | 2.72873 | 3.25805 | 34.69664 | 1.58999 |
| 65 | NOX | 3.23229 | 4.01157 | 5.06826 | 8.20459 | 2.85031 | 3.40321 | 36.24252 | 1.62403 |

# Table A-10
# Victoria 1990 VOC Emission Rates
# for Time Period 4

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 16.04366 | 19.75992 | 32.08648 | 42.33545 | 1.53496 | 2.28073 | 6.96399 | 12.00595 |
| 4 | VOC | 11.69694 | 14.68237 | 23.68414 | 34.73805 | 1.45730 | 2.16534 | 6.61165 | 10.12234 |
| 5 | VOC | 9.23316 | 11.71114 | 18.74548 | 30.14762 | 1.38479 | 2.05759 | 6.28265 | 8.72900 |
| 6 | VOC | 7.65025 | 9.76123 | 15.49463 | 26.86943 | 1.31704 | 1.95693 | 5.97529 | 7.67847 |
| 7 | VOC | 6.55072 | 8.38933 | 13.20464 | 24.30564 | 1.25371 | 1.86283 | 5.68797 | 6.87261 |
| 8 | VOC | 5.83004 | 7.47154 | 11.65841 | 22.41176 | 1.19448 | 1.77482 | 5.41922 | 6.24464 |
| 9 | VOC | 5.27345 | 6.75942 | 10.46390 | 20.76390 | 1.13904 | 1.69245 | 5.16773 | 5.74819 |
| 10 | VOC | 4.82428 | 6.18454 | 9.50712 | 19.29614 | 1.08714 | 1.61533 | 4.93224 | 5.35047 |
| 11 | VOC | 4.45367 | 5.71054 | 8.72566 | 17.98239 | 1.03851 | 1.54307 | 4.71162 | 5.02784 |
| 12 | VOC | 4.14210 | 5.31236 | 8.07632 | 16.80198 | 0.99293 | 1.47535 | 4.50484 | 4.76300 |
| 13 | VOC | 3.87586 | 4.97219 | 7.52832 | 15.73810 | 0.95019 | 1.41184 | 4.31093 | 4.54308 |
| 14 | VOC | 3.64510 | 4.67709 | 7.05924 | 14.77671 | 0.91009 | 1.35226 | 4.12899 | 4.35839 |
| 15 | VOC | 3.44254 | 4.41743 | 6.65242 | 13.90594 | 0.87245 | 1.29633 | 3.95821 | 4.20149 |
| 16 | VOC | 3.26271 | 4.18595 | 6.29528 | 13.11564 | 0.83710 | 1.24381 | 3.79784 | 4.06667 |
| 17 | VOC | 3.10139 | 3.97708 | 5.97816 | 12.39701 | 0.80389 | 1.19446 | 3.64717 | 3.94946 |
| 18 | VOC | 2.95535 | 3.78653 | 5.69358 | 11.74243 | 0.77268 | 1.14809 | 3.50557 | 3.84635 |
| 19 | VOC | 2.82201 | 3.61094 | 5.43570 | 11.14522 | 0.74333 | 1.10448 | 3.37243 | 3.75455 |
| 20 | VOC | 2.70375 | 3.47502 | 5.23080 | 10.60297 | 0.71573 | 1.06347 | 3.24720 | 3.67188 |
| 21 | VOC | 2.60230 | 3.35441 | 5.04020 | 10.11224 | 0.68976 | 1.02488 | 3.12937 | 3.59658 |
| 22 | VOC | 2.50922 | 3.24271 | 4.86521 | 9.66329 | 0.66532 | 0.98856 | 3.01848 | 3.52730 |
| 23 | VOC | 2.42337 | 3.13864 | 4.70354 | 9.25207 | 0.64230 | 0.95437 | 2.91408 | 3.46294 |
| 24 | VOC | 2.34383 | 3.04123 | 4.55334 | 8.87497 | 0.62063 | 0.92217 | 2.81576 | 3.40267 |
| 25 | VOC | 2.26984 | 2.94970 | 4.41317 | 8.52881 | 0.60022 | 0.89184 | 2.72316 | 3.34584 |
| 26 | VOC | 2.20077 | 2.86346 | 4.28186 | 8.21072 | 0.58100 | 0.86327 | 2.63592 | 3.29199 |
| 27 | VOC | 2.13611 | 2.78207 | 4.15852 | 7.91815 | 0.56288 | 0.83635 | 2.55372 | 3.24077 |
| 28 | VOC | 2.07544 | 2.70518 | 4.04242 | 7.64881 | 0.54581 | 0.81099 | 2.47627 | 3.19193 |
| 29 | VOC | 2.01839 | 2.63254 | 3.93299 | 7.40066 | 0.52972 | 0.78708 | 2.40328 | 3.14533 |
| 30 | VOC | 1.96467 | 2.56394 | 3.82979 | 7.17187 | 0.51456 | 0.76455 | 2.33449 | 3.10088 |
| 31 | VOC | 1.91401 | 2.49922 | 3.73246 | 6.96078 | 0.50027 | 0.74332 | 2.26967 | 3.05853 |
| 32 | VOC | 1.86621 | 2.43824 | 3.64069 | 6.76592 | 0.48680 | 0.72332 | 2.20859 | 3.01830 |
| 33 | VOC | 1.82105 | 2.38089 | 3.55426 | 6.58593 | 0.47412 | 0.70447 | 2.15104 | 2.98021 |
| 34 | VOC | 1.77838 | 2.32705 | 3.47293 | 6.41963 | 0.46217 | 0.68672 | 2.09684 | 2.94429 |
| 35 | VOC | 1.73804 | 2.27663 | 3.39653 | 6.26593 | 0.45093 | 0.67001 | 2.04581 | 2.91059 |
| 36 | VOC | 1.69990 | 2.22951 | 3.32488 | 6.12385 | 0.44034 | 0.65428 | 1.99777 | 2.87917 |
| 37 | VOC | 1.66382 | 2.18559 | 3.25781 | 5.99250 | 0.43038 | 0.63948 | 1.95258 | 2.85005 |
| 38 | VOC | 1.62969 | 2.14475 | 3.19516 | 5.87110 | 0.42101 | 0.62556 | 1.91009 | 2.82328 |
| 39 | VOC | 1.59740 | 2.10687 | 3.13674 | 5.75891 | 0.41221 | 0.61249 | 1.87018 | 2.79885 |
| 40 | VOC | 1.56683 | 2.07181 | 3.08238 | 5.65528 | 0.40395 | 0.60022 | 1.83270 | 2.77677 |
| 41 | VOC | 1.53789 | 2.03943 | 3.03188 | 5.55964 | 0.39621 | 0.58871 | 1.79756 | 2.75700 |
| 42 | VOC | 1.51047 | 2.00957 | 2.98503 | 5.47144 | 0.38895 | 0.57793 | 1.76465 | 2.73947 |
| 43 | VOC | 1.48447 | 1.98204 | 2.94161 | 5.39020 | 0.38217 | 0.56785 | 1.73386 | 2.72412 |
| 44 | VOC | 1.45978 | 1.95665 | 2.90136 | 5.31551 | 0.37583 | 0.55843 | 1.70512 | 2.71079 |
| 45 | VOC | 1.43629 | 1.93316 | 2.86400 | 5.24696 | 0.36993 | 0.54966 | 1.67832 | 2.69933 |
| 46 | VOC | 1.41388 | 1.91131 | 2.82921 | 5.18420 | 0.36443 | 0.54149 | 1.65340 | 2.68953 |
| 47 | VOC | 1.39244 | 1.89081 | 2.79664 | 5.12693 | 0.35934 | 0.53392 | 1.63028 | 2.68110 |
| 48 | VOC | 1.37201 | 1.87129 | 2.76567 | 5.07438 | 0.35463 | 0.52692 | 1.60890 | 2.67372 |
| 49 | VOC | 1.36816 | 1.86700 | 2.75822 | 5.02286 | 0.35028 | 0.52047 | 1.58920 | 2.67372 |
| 50 | VOC | 1.36454 | 1.86297 | 2.75121 | 4.97656 | 0.34630 | 0.51455 | 1.57113 | 2.67372 |
| 51 | VOC | 1.36112 | 1.85915 | 2.74460 | 4.93524 | 0.34266 | 0.50914 | 1.55462 | 2.67372 |
| 52 | VOC | 1.35789 | 1.85556 | 2.73837 | 4.89868 | 0.33936 | 0.50424 | 1.53965 | 2.67372 |
| 53 | VOC | 1.35483 | 1.85215 | 2.73248 | 4.86672 | 0.33639 | 0.49982 | 1.52616 | 2.67372 |
| 54 | VOC | 1.35194 | 1.84894 | 2.72691 | 4.83920 | 0.33373 | 0.49588 | 1.51412 | 2.67372 |
| 55 | VOC | 1.34920 | 1.84589 | 2.72163 | 4.81598 | 0.33139 | 0.49240 | 1.50350 | 2.67372 |
| 56 | VOC | 1.41521 | 1.94944 | 2.87854 | 4.79695 | 0.32936 | 0.48938 | 1.49426 | 2.76502 |
| 57 | VOC | 1.48135 | 2.05314 | 3.03571 | 4.78204 | 0.32762 | 0.48680 | 1.48639 | 2.85632 |
| 58 | VOC | 1.54761 | 2.15698 | 3.19311 | 4.77118 | 0.32618 | 0.48466 | 1.47987 | 2.94762 |
| 59 | VOC | 1.61399 | 2.26095 | 3.35074 | 4.76432 | 0.32504 | 0.48296 | 1.47467 | 3.03892 |
| 60 | VOC | 1.68047 | 2.36503 | 3.50858 | 4.76144 | 0.32418 | 0.48169 | 1.47078 | 3.13022 |
| 61 | VOC | 1.74706 | 2.46923 | 3.66662 | 4.76253 | 0.32361 | 0.48084 | 1.46819 | 3.22152 |
| 62 | VOC | 1.81374 | 2.57353 | 3.82483 | 4.76762 | 0.32333 | 0.48042 | 1.46690 | 3.31282 |
| 63 | VOC | 1.88050 | 2.67793 | 3.98322 | 4.77673 | 0.32333 | 0.48042 | 1.46690 | 3.40412 |
| 64 | VOC | 1.94735 | 2.78242 | 4.14177 | 4.78994 | 0.32361 | 0.48084 | 1.46819 | 3.49542 |
| 65 | VOC | 2.01428 | 2.88700 | 4.30048 | 4.80730 | 0.32418 | 0.48169 | 1.47078 | 3.58671 |

# Table A-11
# Victoria 1990 CO Emission Rates
# for Time Period 4

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 152.14404 | 192.65848 | 313.99139 | 480.73511 | 5.15393 | 6.21866 | 41.98945 | 142.69510 |
| 4 CO | 116.03368 | 148.16470 | 242.13641 | 439.22699 | 4.74993 | 5.73120 | 38.69802 | 113.80083 |
| 5 CO | 93.66418 | 119.78932 | 195.09717 | 402.18665 | 4.38557 | 5.29156 | 35.72956 | 92.93657 |
| 6 CO | 78.47990 | 100.25793 | 162.18153 | 369.08112 | 4.05654 | 4.89456 | 33.04890 | 77.53483 |
| 7 CO | 67.54242 | 86.12381 | 138.11348 | 339.44647 | 3.75903 | 4.53558 | 30.62505 | 65.93442 |
| 8 CO | 59.32304 | 75.51448 | 119.93138 | 312.87891 | 3.48968 | 4.21060 | 28.43066 | 57.03454 |
| 9 CO | 52.94404 | 67.31960 | 105.83405 | 289.02588 | 3.24553 | 3.91601 | 26.44160 | 50.08948 |
| 10 CO | 47.86479 | 60.83883 | 94.66399 | 267.57941 | 3.02397 | 3.64867 | 24.63648 | 44.58353 |
| 11 CO | 43.73418 | 55.60936 | 85.64600 | 248.26985 | 2.82266 | 3.40578 | 22.99641 | 40.15318 |
| 12 CO | 40.31453 | 51.31388 | 78.24393 | 230.86111 | 2.63955 | 3.18485 | 21.50463 | 36.53770 |
| 13 CO | 37.43940 | 47.72812 | 72.07683 | 215.14589 | 2.47282 | 2.98367 | 20.14625 | 33.54695 |
| 14 CO | 34.98898 | 44.68947 | 66.86794 | 200.94202 | 2.32084 | 2.80029 | 18.90806 | 31.04023 |
| 15 CO | 32.87495 | 42.07756 | 62.41222 | 188.08920 | 2.18217 | 2.63297 | 17.77830 | 28.91202 |
| 16 CO | 31.03092 | 39.80176 | 58.55536 | 176.44623 | 2.05552 | 2.48016 | 16.74648 | 27.08227 |
| 17 CO | 29.40617 | 37.79289 | 55.17953 | 165.88858 | 1.93975 | 2.34048 | 15.80329 | 25.48965 |
| 18 CO | 27.96140 | 35.99767 | 52.19374 | 156.30611 | 1.83384 | 2.21268 | 14.94039 | 24.08675 |
| 19 CO | 26.66581 | 34.37486 | 49.52711 | 147.60156 | 1.73686 | 2.09567 | 14.15034 | 22.83676 |
| 20 CO | 25.52626 | 33.18001 | 47.51538 | 139.68869 | 1.64801 | 1.98847 | 13.42647 | 21.71094 |
| 21 CO | 24.51746 | 32.03280 | 45.64613 | 132.49121 | 1.56656 | 1.89018 | 12.76285 | 20.68686 |
| 22 CO | 23.59357 | 30.96246 | 43.93325 | 125.94135 | 1.49184 | 1.80003 | 12.15412 | 19.74702 |
| 23 CO | 22.74283 | 29.95718 | 42.35300 | 119.97896 | 1.42327 | 1.71730 | 11.59551 | 18.87775 |
| 24 CO | 21.95581 | 29.00836 | 40.88668 | 114.55057 | 1.36033 | 1.64136 | 11.08273 | 18.06853 |
| 25 CO | 21.22490 | 28.10989 | 39.51968 | 109.60867 | 1.30255 | 1.57163 | 10.61193 | 17.31129 |
| 26 CO | 20.54394 | 27.25759 | 38.24060 | 105.11095 | 1.24948 | 1.50761 | 10.17963 | 16.59983 |
| 27 CO | 19.90796 | 26.44873 | 37.04056 | 101.01978 | 1.20077 | 1.44883 | 9.78273 | 15.92957 |
| 28 CO | 19.31285 | 25.68161 | 35.91270 | 97.30168 | 1.15605 | 1.39487 | 9.41843 | 15.29706 |
| 29 CO | 18.75529 | 24.95529 | 34.85167 | 93.92686 | 1.11503 | 1.34538 | 9.08422 | 14.69982 |
| 30 CO | 18.23245 | 24.26924 | 33.85335 | 90.86877 | 1.07742 | 1.30000 | 8.77782 | 14.13600 |
| 31 CO | 17.74197 | 23.62322 | 32.91446 | 88.10387 | 1.04298 | 1.25844 | 8.49721 | 13.60431 |
| 32 CO | 17.28183 | 23.01708 | 32.03241 | 85.61123 | 1.01148 | 1.22043 | 8.24056 | 13.10377 |
| 33 CO | 16.85023 | 22.45064 | 31.20502 | 83.37233 | 0.98271 | 1.18572 | 8.00622 | 12.63365 |
| 34 CO | 16.44559 | 21.92363 | 30.43044 | 81.37080 | 0.95650 | 1.15410 | 7.79271 | 12.19337 |
| 35 CO | 16.06647 | 21.43569 | 29.70697 | 79.59223 | 0.93269 | 1.12537 | 7.59871 | 11.78233 |
| 36 CO | 15.71154 | 20.98624 | 29.03304 | 78.02399 | 0.91113 | 1.09936 | 7.42304 | 11.39998 |
| 37 CO | 15.37955 | 20.57456 | 28.40708 | 76.65511 | 0.89169 | 1.07590 | 7.26464 | 11.04571 |
| 38 CO | 15.06932 | 20.19973 | 27.82747 | 75.47612 | 0.87425 | 1.05486 | 7.12257 | 10.71879 |
| 39 CO | 14.77971 | 19.86064 | 27.29251 | 74.47894 | 0.85871 | 1.03611 | 6.99600 | 10.41841 |
| 40 CO | 14.50958 | 19.55596 | 26.80038 | 73.65680 | 0.84499 | 1.01955 | 6.88420 | 10.14356 |
| 41 CO | 14.25781 | 19.28413 | 26.34912 | 73.00417 | 0.83300 | 1.00509 | 6.78652 | 9.89309 |
| 42 CO | 14.02328 | 19.04329 | 25.93649 | 72.51667 | 0.82268 | 0.99263 | 6.70242 | 9.66569 |
| 43 CO | 13.80480 | 18.83126 | 25.56008 | 72.19109 | 0.81396 | 0.98212 | 6.63142 | 9.45978 |
| 44 CO | 13.60112 | 18.64542 | 25.21709 | 72.02522 | 0.80681 | 0.97348 | 6.57312 | 9.27357 |
| 45 CO | 13.41090 | 18.48257 | 24.90443 | 72.01802 | 0.80117 | 0.96668 | 6.52720 | 9.10499 |
| 46 CO | 13.23264 | 18.33891 | 24.61845 | 72.16942 | 0.79702 | 0.96168 | 6.49341 | 8.95166 |
| 47 CO | 13.06467 | 18.20981 | 24.35514 | 72.48043 | 0.79434 | 0.95844 | 6.47157 | 8.81083 |
| 48 CO | 12.90513 | 18.08976 | 24.10971 | 72.95308 | 0.79311 | 0.95696 | 6.46154 | 8.67942 |
| 49 CO | 12.90513 | 18.08976 | 24.10971 | 73.59054 | 0.79333 | 0.95722 | 6.46329 | 8.67942 |
| 50 CO | 12.90513 | 18.08976 | 24.10971 | 74.39706 | 0.79499 | 0.95922 | 6.47681 | 8.67942 |
| 51 CO | 12.90513 | 18.08976 | 24.10971 | 75.37807 | 0.79810 | 0.96298 | 6.50218 | 8.67942 |
| 52 CO | 12.90513 | 18.08976 | 24.10971 | 76.54023 | 0.80269 | 0.96851 | 6.53955 | 8.67942 |
| 53 CO | 12.90513 | 18.08976 | 24.10971 | 77.89148 | 0.80877 | 0.97585 | 6.58911 | 8.67942 |
| 54 CO | 12.90513 | 18.08976 | 24.10971 | 79.44115 | 0.81638 | 0.98504 | 6.65114 | 8.67942 |
| 55 CO | 12.90513 | 18.08976 | 24.10971 | 81.20010 | 0.82557 | 0.99612 | 6.72598 | 8.67942 |
| 56 CO | 15.40066 | 22.05890 | 29.67032 | 83.18080 | 0.83638 | 1.00917 | 6.81406 | 10.76953 |
| 57 CO | 17.89620 | 26.02804 | 35.23093 | 85.39746 | 0.84888 | 1.02424 | 6.91587 | 12.85963 |
| 58 CO | 20.39173 | 29.99718 | 40.79153 | 87.86630 | 0.86313 | 1.04144 | 7.03198 | 14.94973 |
| 59 CO | 22.88726 | 33.96633 | 46.35214 | 90.60564 | 0.87922 | 1.06085 | 7.16307 | 17.03984 |
| 60 CO | 25.38280 | 37.93547 | 51.91275 | 93.63614 | 0.89724 | 1.08260 | 7.30989 | 19.12994 |
| 61 CO | 27.87833 | 41.90461 | 57.47337 | 96.98114 | 0.91730 | 1.10680 | 7.47331 | 21.22005 |
| 62 CO | 30.37386 | 45.87375 | 63.03397 | 100.66684 | 0.93952 | 1.13361 | 7.65431 | 23.31015 |
| 63 CO | 32.86940 | 49.84289 | 68.59458 | 104.72276 | 0.96402 | 1.16318 | 7.85396 | 25.40026 |
| 64 CO | 35.36493 | 53.81204 | 74.15518 | 109.18203 | 0.99097 | 1.19569 | 8.07351 | 27.49036 |
| 65 CO | 37.86046 | 57.78118 | 79.71580 | 114.08188 | 1.02053 | 1.23135 | 8.31431 | 29.58047 |

# Table A-12
# Victoria 1990 NOX Emission Rates
# for Time Period 4

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 NOX | 2.34088 | 2.60643 | 3.17602 | 5.40602 | 2.80125 | 3.34464 | 35.61877 | 0.88600 |
| 4 NOX | 2.18316 | 2.42913 | 3.01247 | 5.46196 | 2.68327 | 3.20377 | 34.11861 | 0.84745 |
| 5 NOX | 2.08426 | 2.31960 | 2.91159 | 5.51791 | 2.57391 | 3.07320 | 32.72806 | 0.81545 |
| 6 NOX | 2.01552 | 2.24541 | 2.84347 | 5.57385 | 2.47252 | 2.95214 | 31.43880 | 0.78951 |
| 7 NOX | 1.96456 | 2.19250 | 2.79515 | 5.62979 | 2.37849 | 2.83987 | 30.24324 | 0.76915 |
| 8 NOX | 1.92517 | 2.15370 | 2.76001 | 5.68573 | 2.29129 | 2.73576 | 29.13449 | 0.75389 |
| 9 NOX | 1.89382 | 2.12495 | 2.73428 | 5.74167 | 2.21043 | 2.63921 | 28.10627 | 0.74329 |
| 10 NOX | 1.86840 | 2.10370 | 2.71560 | 5.79761 | 2.13545 | 2.54968 | 27.15287 | 0.73690 |
| 11 NOX | 1.84749 | 2.08827 | 2.70240 | 5.85356 | 2.06594 | 2.46670 | 26.26909 | 0.73433 |
| 12 NOX | 1.83015 | 2.07747 | 2.69356 | 5.90950 | 2.00154 | 2.38980 | 25.45018 | 0.73516 |
| 13 NOX | 1.81570 | 2.07041 | 2.68826 | 5.96544 | 1.94190 | 2.31859 | 24.69184 | 0.73903 |
| 14 NOX | 1.80361 | 2.06642 | 2.68586 | 6.02138 | 1.88671 | 2.25270 | 23.99014 | 0.74557 |
| 15 NOX | 1.79351 | 2.06496 | 2.68585 | 6.07732 | 1.83570 | 2.19179 | 23.34150 | 0.75443 |
| 16 NOX | 1.78508 | 2.06559 | 2.68783 | 6.13327 | 1.78861 | 2.13556 | 22.74267 | 0.76529 |
| 17 NOX | 1.77809 | 2.06794 | 2.69143 | 6.18921 | 1.74520 | 2.08373 | 22.19069 | 0.77785 |
| 18 NOX | 1.77232 | 2.07170 | 2.69637 | 6.24515 | 1.70526 | 2.03605 | 21.68288 | 0.79180 |
| 19 NOX | 1.76762 | 2.07660 | 2.70240 | 6.30109 | 1.66860 | 1.99228 | 21.21679 | 0.80688 |
| 20 NOX | 1.76661 | 2.08924 | 2.71682 | 6.35703 | 1.63506 | 1.95222 | 20.79022 | 0.82283 |
| 21 NOX | 1.77397 | 2.11471 | 2.74328 | 6.41298 | 1.60446 | 1.91569 | 20.40118 | 0.83941 |
| 22 NOX | 1.78109 | 2.13898 | 2.76854 | 6.46892 | 1.57667 | 1.88252 | 20.04787 | 0.85640 |
| 23 NOX | 1.78799 | 2.16213 | 2.79267 | 6.52486 | 1.55157 | 1.85254 | 19.72867 | 0.87361 |
| 24 NOX | 1.79470 | 2.18421 | 2.81575 | 6.58080 | 1.52904 | 1.82564 | 19.44214 | 0.89083 |
| 25 NOX | 1.80125 | 2.20525 | 2.83783 | 6.63674 | 1.50897 | 1.80168 | 19.18700 | 0.90792 |
| 26 NOX | 1.80765 | 2.22529 | 2.85894 | 6.69268 | 1.49128 | 1.78056 | 18.96211 | 0.92471 |
| 27 NOX | 1.81391 | 2.24434 | 2.87912 | 6.74863 | 1.47590 | 1.76219 | 18.76649 | 0.94107 |
| 28 NOX | 1.82005 | 2.26244 | 2.89842 | 6.80457 | 1.46275 | 1.74649 | 18.59928 | 0.95690 |
| 29 NOX | 1.82608 | 2.27962 | 2.91687 | 6.86051 | 1.45177 | 1.73339 | 18.45975 | 0.97208 |
| 30 NOX | 1.83202 | 2.29588 | 2.93451 | 6.91645 | 1.44293 | 1.72283 | 18.34731 | 0.98656 |
| 31 NOX | 1.83786 | 2.31127 | 2.95138 | 6.97239 | 1.43618 | 1.71477 | 18.26146 | 1.00025 |
| 32 NOX | 1.84365 | 2.32581 | 2.96754 | 7.02834 | 1.43149 | 1.70917 | 18.20184 | 1.01313 |
| 33 NOX | 1.84938 | 2.33955 | 2.98303 | 7.08428 | 1.42885 | 1.70601 | 18.16820 | 1.02515 |
| 34 NOX | 1.85508 | 2.35253 | 2.99792 | 7.14022 | 1.42823 | 1.70528 | 18.16039 | 1.03632 |
| 35 NOX | 1.86077 | 2.36480 | 3.01227 | 7.19616 | 1.42965 | 1.70697 | 18.17838 | 1.04664 |
| 36 NOX | 1.86648 | 2.37643 | 3.02617 | 7.25210 | 1.43310 | 1.71109 | 18.22224 | 1.05614 |
| 37 NOX | 1.87224 | 2.38746 | 3.03969 | 7.30805 | 1.43860 | 1.71765 | 18.29216 | 1.06487 |
| 38 NOX | 1.87806 | 2.39799 | 3.05292 | 7.36399 | 1.44617 | 1.72670 | 18.38845 | 1.07288 |
| 39 NOX | 1.88400 | 2.40808 | 3.06598 | 7.41993 | 1.45585 | 1.73825 | 18.51151 | 1.08026 |
| 40 NOX | 1.89009 | 2.41784 | 3.07896 | 7.47587 | 1.46767 | 1.75237 | 18.66188 | 1.08710 |
| 41 NOX | 1.89637 | 2.42736 | 3.09199 | 7.53181 | 1.48170 | 1.76911 | 18.84020 | 1.09352 |
| 42 NOX | 1.90288 | 2.43675 | 3.10520 | 7.58776 | 1.49798 | 1.78856 | 19.04725 | 1.09965 |
| 43 NOX | 1.90967 | 2.44612 | 3.11872 | 7.64370 | 1.51659 | 1.81078 | 19.28394 | 1.10564 |
| 44 NOX | 1.91680 | 2.45561 | 3.13270 | 7.69964 | 1.53762 | 1.83589 | 19.55132 | 1.11165 |
| 45 NOX | 1.92432 | 2.46535 | 3.14731 | 7.75558 | 1.56116 | 1.86399 | 19.85057 | 1.11789 |
| 46 NOX | 1.93229 | 2.47548 | 3.16271 | 7.81152 | 1.58730 | 1.89521 | 20.18304 | 1.12454 |
| 47 NOX | 1.94078 | 2.48617 | 3.17909 | 7.86746 | 1.61618 | 1.92969 | 20.55025 | 1.13183 |
| 48 NOX | 1.94985 | 2.49757 | 3.19662 | 7.92341 | 1.64793 | 1.96759 | 20.95386 | 1.13999 |
| 49 NOX | 2.03599 | 2.59965 | 3.33798 | 7.97935 | 1.68268 | 2.00908 | 21.39576 | 1.17712 |
| 50 NOX | 2.12213 | 2.70173 | 3.47933 | 8.03529 | 1.72061 | 2.05437 | 21.87803 | 1.21424 |
| 51 NOX | 2.20827 | 2.80381 | 3.62068 | 8.09123 | 1.76189 | 2.10366 | 22.40295 | 1.25136 |
| 52 NOX | 2.29440 | 2.90589 | 3.76204 | 8.14717 | 1.80673 | 2.15720 | 22.97307 | 1.28848 |
| 53 NOX | 2.38054 | 3.00797 | 3.90339 | 8.20312 | 1.85534 | 2.21524 | 23.59118 | 1.32560 |
| 54 NOX | 2.46668 | 3.11005 | 4.04474 | 8.25906 | 1.90796 | 2.27807 | 24.26034 | 1.36272 |
| 55 NOX | 2.55282 | 3.21212 | 4.18610 | 8.31500 | 1.96487 | 2.34602 | 24.98393 | 1.39984 |
| 56 NOX | 2.63895 | 3.31420 | 4.32745 | 8.37094 | 2.02635 | 2.41942 | 25.76567 | 1.43696 |
| 57 NOX | 2.72509 | 3.41628 | 4.46880 | 8.42688 | 2.09272 | 2.49867 | 26.60962 | 1.47408 |
| 58 NOX | 2.81123 | 3.51836 | 4.61016 | 8.48282 | 2.16434 | 2.58418 | 27.52027 | 1.51120 |
| 59 NOX | 2.89737 | 3.62044 | 4.75151 | 8.53877 | 2.24159 | 2.67642 | 28.50253 | 1.54833 |
| 60 NOX | 2.98350 | 3.72252 | 4.89286 | 8.59471 | 2.32490 | 2.77588 | 29.56179 | 1.58545 |
| 61 NOX | 3.06964 | 3.82460 | 5.03422 | 8.65065 | 2.41473 | 2.88314 | 30.70399 | 1.62257 |
| 62 NOX | 3.15578 | 3.92668 | 5.17557 | 8.70659 | 2.51159 | 2.99879 | 31.93564 | 1.65969 |
| 63 NOX | 3.24192 | 4.02876 | 5.31692 | 8.76254 | 2.61605 | 3.12352 | 33.26390 | 1.69681 |
| 64 NOX | 3.32805 | 4.13084 | 5.45828 | 8.81848 | 2.72873 | 3.25805 | 34.69664 | 1.73393 |
| 65 NOX | 3.41419 | 4.23292 | 5.59963 | 8.87442 | 2.85031 | 3.40321 | 36.24252 | 1.77105 |

# Table A-13
# Victoria 1993 VOC Emission Rates
# for Time Period 1

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 13.67789 | 17.17600 | 25.20778 | 35.66079 | 1.59459 | 2.41093 | 5.80984 | 10.70883 |
| 4 | VOC | 9.81490 | 12.52661 | 18.29400 | 28.38552 | 1.51391 | 2.28895 | 5.51589 | 9.06911 |
| 5 | VOC | 7.68811 | 9.90133 | 14.37043 | 24.20813 | 1.43858 | 2.17505 | 5.24143 | 7.85467 |
| 6 | VOC | 6.34966 | 8.21942 | 11.84787 | 21.34886 | 1.36820 | 2.06864 | 4.98500 | 6.93801 |
| 7 | VOC | 5.43342 | 7.05423 | 10.09726 | 19.18397 | 1.30241 | 1.96917 | 4.74529 | 6.23415 |
| 8 | VOC | 4.86192 | 6.30481 | 8.95556 | 17.67511 | 1.24087 | 1.87613 | 4.52109 | 5.68519 |
| 9 | VOC | 4.42180 | 5.72322 | 8.07382 | 16.37758 | 1.18329 | 1.78906 | 4.31127 | 5.25088 |
| 10 | VOC | 4.06481 | 5.25005 | 7.36286 | 15.22680 | 1.12937 | 1.70754 | 4.11481 | 4.90271 |
| 11 | VOC | 3.76846 | 4.85624 | 6.77724 | 14.19991 | 1.07885 | 1.63116 | 3.93076 | 4.62011 |
| 12 | VOC | 3.51765 | 4.52202 | 6.28591 | 13.27927 | 1.03150 | 1.55957 | 3.75825 | 4.38801 |
| 13 | VOC | 3.30181 | 4.23349 | 5.86697 | 12.45075 | 0.98710 | 1.49244 | 3.59647 | 4.19519 |
| 14 | VOC | 3.11339 | 3.98061 | 5.50457 | 11.70278 | 0.94544 | 1.42945 | 3.44469 | 4.03320 |
| 15 | VOC | 2.94682 | 3.75596 | 5.18698 | 11.02568 | 0.90634 | 1.37033 | 3.30221 | 3.89554 |
| 16 | VOC | 2.79790 | 3.55396 | 4.90536 | 10.41125 | 0.86962 | 1.31481 | 3.16842 | 3.77722 |
| 17 | VOC | 2.66342 | 3.37032 | 4.65294 | 9.85248 | 0.83512 | 1.26265 | 3.04272 | 3.67433 |
| 18 | VOC | 2.54092 | 3.20174 | 4.42447 | 9.34330 | 0.80269 | 1.21362 | 2.92459 | 3.58380 |
| 19 | VOC | 2.42841 | 3.04561 | 4.21583 | 8.87845 | 0.77221 | 1.16753 | 2.81351 | 3.50320 |
| 20 | VOC | 2.32682 | 2.92849 | 4.05992 | 8.45804 | 0.74353 | 1.12418 | 2.70904 | 3.43060 |
| 21 | VOC | 2.24149 | 2.82710 | 3.91496 | 8.08039 | 0.71655 | 1.08339 | 2.61074 | 3.36448 |
| 22 | VOC | 2.16327 | 2.73383 | 3.78224 | 7.73486 | 0.69116 | 1.04499 | 2.51822 | 3.30364 |
| 23 | VOC | 2.09121 | 2.64755 | 3.66002 | 7.41831 | 0.66725 | 1.00885 | 2.43112 | 3.24713 |
| 24 | VOC | 2.02455 | 2.56737 | 3.54693 | 7.12795 | 0.64474 | 0.97481 | 2.34910 | 3.19421 |
| 25 | VOC | 1.96262 | 2.49259 | 3.44181 | 6.86132 | 0.62354 | 0.94276 | 2.27185 | 3.14433 |
| 26 | VOC | 1.90490 | 2.42262 | 3.34377 | 6.61619 | 0.60356 | 0.91255 | 2.19907 | 3.09706 |
| 27 | VOC | 1.85093 | 2.35700 | 3.25203 | 6.39061 | 0.58474 | 0.88410 | 2.13049 | 3.05211 |
| 28 | VOC | 1.80034 | 2.29533 | 3.16601 | 6.18282 | 0.56701 | 0.85728 | 2.06587 | 3.00926 |
| 29 | VOC | 1.75280 | 2.23732 | 3.08518 | 5.99124 | 0.55029 | 0.83201 | 2.00498 | 2.96837 |
| 30 | VOC | 1.70804 | 2.18270 | 3.00914 | 5.81446 | 0.53454 | 0.80820 | 1.94759 | 2.92938 |
| 31 | VOC | 1.66582 | 2.13125 | 2.93753 | 5.65122 | 0.51970 | 0.78576 | 1.89351 | 2.89225 |
| 32 | VOC | 1.62594 | 2.08278 | 2.87007 | 5.50038 | 0.50571 | 0.76461 | 1.84256 | 2.85697 |
| 33 | VOC | 1.58822 | 2.03712 | 2.80650 | 5.36091 | 0.49254 | 0.74469 | 1.79455 | 2.82358 |
| 34 | VOC | 1.55249 | 1.99414 | 2.74660 | 5.23190 | 0.48013 | 0.72592 | 1.74933 | 2.79211 |
| 35 | VOC | 1.51861 | 1.95369 | 2.69018 | 5.11251 | 0.46844 | 0.70826 | 1.70675 | 2.76259 |
| 36 | VOC | 1.48647 | 1.91565 | 2.63705 | 5.00200 | 0.45744 | 0.69163 | 1.66668 | 2.73508 |
| 37 | VOC | 1.45593 | 1.87990 | 2.58706 | 4.89969 | 0.44710 | 0.67598 | 1.62898 | 2.70960 |
| 38 | VOC | 1.42690 | 1.84632 | 2.54005 | 4.80497 | 0.43737 | 0.66127 | 1.59353 | 2.68618 |
| 39 | VOC | 1.39928 | 1.81481 | 2.49587 | 4.71728 | 0.42823 | 0.64745 | 1.56023 | 2.66484 |
| 40 | VOC | 1.37298 | 1.78524 | 2.45436 | 4.63614 | 0.41965 | 0.63448 | 1.52897 | 2.64556 |
| 41 | VOC | 1.34790 | 1.75750 | 2.41539 | 4.56109 | 0.41160 | 0.62232 | 1.49965 | 2.62831 |
| 42 | VOC | 1.32398 | 1.73148 | 2.37881 | 4.49172 | 0.40406 | 0.61092 | 1.47219 | 2.61305 |
| 43 | VOC | 1.30112 | 1.70706 | 2.34445 | 4.42767 | 0.39701 | 0.60026 | 1.44651 | 2.59970 |
| 44 | VOC | 1.27925 | 1.68410 | 2.31217 | 4.36860 | 0.39043 | 0.59031 | 1.42252 | 2.58814 |
| 45 | VOC | 1.25829 | 1.66246 | 2.28178 | 4.31423 | 0.38430 | 0.58103 | 1.40017 | 2.57822 |
| 46 | VOC | 1.23817 | 1.64200 | 2.25310 | 4.26427 | 0.37859 | 0.57240 | 1.37938 | 2.56976 |
| 47 | VOC | 1.21881 | 1.62254 | 2.22593 | 4.21850 | 0.37330 | 0.56440 | 1.36009 | 2.56250 |
| 48 | VOC | 1.20031 | 1.60391 | 2.19990 | 4.17624 | 0.36840 | 0.55700 | 1.34226 | 2.55617 |
| 49 | VOC | 1.19615 | 1.59942 | 2.19308 | 4.13398 | 0.36389 | 0.55018 | 1.32582 | 2.55617 |
| 50 | VOC | 1.19223 | 1.59519 | 2.18666 | 4.09585 | 0.35975 | 0.54392 | 1.31074 | 2.55617 |
| 51 | VOC | 1.18853 | 1.59121 | 2.18060 | 4.06164 | 0.35597 | 0.53821 | 1.29697 | 2.55617 |
| 52 | VOC | 1.18503 | 1.58744 | 2.17489 | 4.03117 | 0.35254 | 0.53302 | 1.28448 | 2.55617 |
| 53 | VOC | 1.18173 | 1.58389 | 2.16949 | 4.00432 | 0.34945 | 0.52835 | 1.27323 | 2.55617 |
| 54 | VOC | 1.17860 | 1.58052 | 2.16439 | 3.98093 | 0.34670 | 0.52419 | 1.26318 | 2.55617 |
| 55 | VOC | 1.17564 | 1.57733 | 2.15955 | 3.96091 | 0.34426 | 0.52051 | 1.25432 | 2.55617 |
| 56 | VOC | 1.22274 | 1.65356 | 2.27547 | 3.94416 | 0.34215 | 0.51731 | 1.24662 | 2.63698 |
| 57 | VOC | 1.26997 | 1.72994 | 2.39161 | 3.93061 | 0.34035 | 0.51459 | 1.24005 | 2.71779 |
| 58 | VOC | 1.31734 | 1.80646 | 2.50798 | 3.92021 | 0.33885 | 0.51233 | 1.23461 | 2.79860 |
| 59 | VOC | 1.36483 | 1.88312 | 2.62455 | 3.91290 | 0.33766 | 0.51053 | 1.23027 | 2.87942 |
| 60 | VOC | 1.41244 | 1.95990 | 2.74131 | 3.90867 | 0.33677 | 0.50918 | 1.22703 | 2.96023 |
| 61 | VOC | 1.46016 | 2.03680 | 2.85826 | 3.90751 | 0.33618 | 0.50829 | 1.22487 | 3.04104 |
| 62 | VOC | 1.50797 | 2.11381 | 2.97537 | 3.90942 | 0.33589 | 0.50784 | 1.22379 | 3.12185 |
| 63 | VOC | 1.55589 | 2.19092 | 3.09263 | 3.91442 | 0.33589 | 0.50784 | 1.22379 | 3.20266 |
| 64 | VOC | 1.60389 | 2.26813 | 3.21005 | 3.92256 | 0.33618 | 0.50829 | 1.22487 | 3.28348 |
| 65 | VOC | 1.65197 | 2.34543 | 3.32760 | 3.93388 | 0.33677 | 0.50918 | 1.22703 | 3.36429 |

# Table A-14
# Victoria 1993 CO Emission Rates
# for Time Period 1

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 117.79834 | 154.26852 | 238.19182 | 373.77368 | 5.28850 | 6.34022 | 39.08284 | 140.07657 |
| 4 CO | 90.09018 | 118.17387 | 182.32758 | 341.50082 | 4.87395 | 5.84323 | 36.01925 | 111.71400 |
| 5 CO | 73.14023 | 95.69315 | 146.89774 | 312.70184 | 4.50008 | 5.39500 | 33.25628 | 91.24311 |
| 6 CO | 61.71636 | 80.40399 | 122.51962 | 286.96210 | 4.16245 | 4.99023 | 30.76118 | 76.13726 |
| 7 CO | 53.51572 | 69.39278 | 104.83501 | 263.92111 | 3.85717 | 4.62424 | 28.50512 | 64.76292 |
| 8 CO | 47.35908 | 61.12970 | 91.50737 | 243.26471 | 3.58079 | 4.29290 | 26.46263 | 56.03831 |
| 9 CO | 42.57803 | 54.73041 | 81.16277 | 224.71889 | 3.33027 | 3.99256 | 24.61125 | 49.23096 |
| 10 CO | 38.76504 | 49.64758 | 72.93943 | 208.04414 | 3.10292 | 3.72000 | 22.93109 | 43.83456 |
| 11 CO | 35.65750 | 45.52451 | 66.27020 | 193.03088 | 2.89636 | 3.47235 | 21.40455 | 39.49239 |
| 12 CO | 33.07868 | 42.11915 | 60.76751 | 179.49553 | 2.70847 | 3.24710 | 20.01603 | 35.94862 |
| 13 CO | 30.90535 | 39.26167 | 56.15832 | 167.27686 | 2.53739 | 3.04199 | 18.75169 | 33.01677 |
| 14 CO | 29.04909 | 36.82965 | 52.24535 | 156.23328 | 2.38144 | 2.85503 | 17.59921 | 30.55884 |
| 15 CO | 27.44484 | 34.73274 | 48.88295 | 146.24016 | 2.23915 | 2.68444 | 16.54764 | 28.47139 |
| 16 CO | 26.04375 | 32.90305 | 45.96159 | 137.18774 | 2.10919 | 2.52864 | 15.58726 | 26.67597 |
| 17 CO | 24.80848 | 31.28874 | 43.39763 | 128.97910 | 1.99040 | 2.38623 | 14.70935 | 25.11244 |
| 18 CO | 23.71009 | 29.84974 | 41.12633 | 121.52869 | 1.88172 | 2.25593 | 13.90618 | 23.73438 |
| 19 CO | 22.72583 | 28.55481 | 39.09705 | 114.76083 | 1.78221 | 2.13664 | 13.17082 | 22.50574 |
| 20 CO | 21.81554 | 27.61432 | 37.69674 | 108.60856 | 1.69104 | 2.02734 | 12.49706 | 21.39839 |
| 21 CO | 20.95164 | 26.61059 | 36.32203 | 103.01250 | 1.60746 | 1.92713 | 11.87937 | 20.39040 |
| 22 CO | 20.16298 | 25.68550 | 35.06635 | 97.91994 | 1.53079 | 1.83522 | 11.31279 | 19.46467 |
| 23 CO | 19.43942 | 24.82796 | 33.91254 | 93.28416 | 1.46043 | 1.75087 | 10.79285 | 18.60788 |
| 24 CO | 18.77271 | 24.02931 | 32.84685 | 89.06357 | 1.39585 | 1.67344 | 10.31556 | 17.80978 |
| 25 CO | 18.15605 | 23.28276 | 31.85823 | 85.22121 | 1.33655 | 1.60235 | 9.87734 | 17.06252 |
| 26 CO | 17.58385 | 22.58306 | 30.93781 | 81.72420 | 1.28211 | 1.53708 | 9.47497 | 16.36012 |
| 27 CO | 17.05145 | 21.92613 | 30.07839 | 78.54332 | 1.23212 | 1.47715 | 9.10555 | 15.69813 |
| 28 CO | 16.55494 | 21.30875 | 29.27415 | 75.65248 | 1.18623 | 1.42214 | 8.76647 | 15.07327 |
| 29 CO | 16.09105 | 20.72841 | 28.52038 | 73.02853 | 1.14414 | 1.37168 | 8.45539 | 14.48314 |
| 30 CO | 15.65697 | 20.18304 | 27.81319 | 70.65086 | 1.10555 | 1.32541 | 8.17020 | 13.92601 |
| 31 CO | 15.25029 | 19.67096 | 27.14936 | 68.50113 | 1.07021 | 1.28304 | 7.90902 | 13.40062 |
| 32 CO | 14.86893 | 19.19071 | 26.52620 | 66.56310 | 1.03788 | 1.24429 | 7.67013 | 12.90610 |
| 33 CO | 14.51103 | 18.74100 | 25.94139 | 64.82234 | 1.00837 | 1.20890 | 7.45201 | 12.44173 |
| 34 CO | 14.17498 | 18.32062 | 25.39291 | 63.26614 | 0.98148 | 1.17666 | 7.25328 | 12.00697 |
| 35 CO | 13.85931 | 17.92844 | 24.87896 | 61.88329 | 0.95704 | 1.14737 | 7.07271 | 11.60126 |
| 36 CO | 13.56268 | 17.56336 | 24.39790 | 60.66399 | 0.93492 | 1.12084 | 6.90920 | 11.22405 |
| 37 CO | 13.28390 | 17.22427 | 23.94819 | 59.59969 | 0.91497 | 1.09693 | 6.76176 | 10.87475 |
| 38 CO | 13.02182 | 16.91006 | 23.52835 | 58.68301 | 0.89707 | 1.07548 | 6.62953 | 10.55262 |
| 39 CO | 12.77542 | 16.61963 | 23.13695 | 57.90770 | 0.88113 | 1.05636 | 6.51172 | 10.25686 |
| 40 CO | 12.54370 | 16.35178 | 22.77255 | 57.26848 | 0.86705 | 1.03948 | 6.40766 | 9.98648 |
| 41 CO | 12.32574 | 16.10531 | 22.43373 | 56.76105 | 0.85475 | 1.02473 | 6.31674 | 9.74028 |
| 42 CO | 12.12061 | 15.87891 | 22.11896 | 56.38202 | 0.84416 | 1.01203 | 6.23846 | 9.51697 |
| 43 CO | 11.92743 | 15.67116 | 21.82671 | 56.12886 | 0.83522 | 1.00131 | 6.17237 | 9.31494 |
| 44 CO | 11.74532 | 15.48048 | 21.55528 | 55.99992 | 0.82787 | 0.99251 | 6.11811 | 9.13240 |
| 45 CO | 11.57334 | 15.30507 | 21.30291 | 55.99433 | 0.82209 | 0.98558 | 6.07537 | 8.96724 |
| 46 CO | 11.41055 | 15.14286 | 21.06758 | 56.11203 | 0.81783 | 0.98048 | 6.04393 | 8.81709 |
| 47 CO | 11.25593 | 14.99144 | 20.84717 | 56.35384 | 0.81508 | 0.97718 | 6.02359 | 8.67915 |
| 48 CO | 11.10837 | 14.84802 | 20.63919 | 56.72134 | 0.81382 | 0.97566 | 6.01426 | 8.55033 |
| 49 CO | 11.10837 | 14.84802 | 20.63919 | 57.21696 | 0.81404 | 0.97593 | 6.01589 | 8.55033 |
| 50 CO | 11.10837 | 14.84802 | 20.63919 | 57.84403 | 0.81574 | 0.97797 | 6.02847 | 8.55033 |
| 51 CO | 11.10837 | 14.84802 | 20.63919 | 58.60677 | 0.81894 | 0.98180 | 6.05209 | 8.55033 |
| 52 CO | 11.10837 | 14.84802 | 20.63919 | 59.51036 | 0.82364 | 0.98744 | 6.08687 | 8.55033 |
| 53 CO | 11.10837 | 14.84802 | 20.63919 | 60.56095 | 0.82989 | 0.99493 | 6.13300 | 8.55033 |
| 54 CO | 11.10837 | 14.84802 | 20.63919 | 61.76583 | 0.83770 | 1.00429 | 6.19073 | 8.55033 |
| 55 CO | 11.10837 | 14.84802 | 20.63919 | 63.13342 | 0.84713 | 1.01559 | 6.26040 | 8.55033 |
| 56 CO | 12.96378 | 17.77418 | 25.00310 | 64.67342 | 0.85822 | 1.02889 | 6.34238 | 10.60950 |
| 57 CO | 14.81920 | 20.70034 | 29.36700 | 66.39690 | 0.87104 | 1.04426 | 6.43714 | 12.66867 |
| 58 CO | 16.67462 | 23.62650 | 33.73092 | 68.31644 | 0.88567 | 1.06180 | 6.54521 | 14.72784 |
| 59 CO | 18.53003 | 26.55266 | 38.09482 | 70.44627 | 0.90218 | 1.08159 | 6.66722 | 16.78701 |
| 60 CO | 20.38545 | 29.47882 | 42.45872 | 72.80249 | 0.92067 | 1.10376 | 6.80388 | 18.84618 |
| 61 CO | 22.24086 | 32.40498 | 46.82263 | 75.40324 | 0.94125 | 1.12844 | 6.95599 | 20.90535 |
| 62 CO | 24.09628 | 35.33115 | 51.18655 | 78.26889 | 0.96405 | 1.15577 | 7.12446 | 22.96451 |
| 63 CO | 25.95169 | 38.25731 | 55.55044 | 81.42239 | 0.98919 | 1.18591 | 7.31030 | 25.02369 |
| 64 CO | 27.80711 | 41.18347 | 59.91434 | 84.88950 | 1.01684 | 1.21906 | 7.51464 | 27.08286 |
| 65 CO | 29.66253 | 44.10963 | 64.27825 | 88.69916 | 1.04717 | 1.25542 | 7.73878 | 29.14202 |

# Table A-15
# Victoria 1993 NOX Emission Rates
# for Time Period 1

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 2.29948 | 2.55711 | 3.01996 | 4.88812 | 2.85117 | 3.34691 | 27.88858 | 0.89199 |
| 4 | NOX | 2.11966 | 2.36061 | 2.81090 | 4.93871 | 2.73109 | 3.20595 | 26.71399 | 0.85317 |
| 5 | NOX | 2.01025 | 2.24148 | 2.68483 | 4.98929 | 2.61978 | 3.07528 | 25.62523 | 0.82096 |
| 6 | NOX | 1.93632 | 2.16164 | 2.60081 | 5.03987 | 2.51658 | 2.95414 | 24.61577 | 0.79485 |
| 7 | NOX | 1.88290 | 2.10472 | 2.54123 | 5.09045 | 2.42088 | 2.84180 | 23.67968 | 0.77435 |
| 8 | NOX | 1.84247 | 2.06246 | 2.49723 | 5.14104 | 2.33213 | 2.73762 | 22.81156 | 0.75899 |
| 9 | NOX | 1.81083 | 2.03025 | 2.46386 | 5.19162 | 2.24982 | 2.64100 | 22.00649 | 0.74831 |
| 10 | NOX | 1.78546 | 2.00526 | 2.43809 | 5.24220 | 2.17350 | 2.55141 | 21.26000 | 0.74188 |
| 11 | NOX | 1.76474 | 1.98568 | 2.41799 | 5.29279 | 2.10276 | 2.46837 | 20.56802 | 0.73929 |
| 12 | NOX | 1.74756 | 1.97027 | 2.40224 | 5.34337 | 2.03721 | 2.39142 | 19.92683 | 0.74013 |
| 13 | NOX | 1.73316 | 1.95814 | 2.38988 | 5.39395 | 1.97651 | 2.32016 | 19.33307 | 0.74403 |
| 14 | NOX | 1.72099 | 1.94864 | 2.38023 | 5.44453 | 1.92034 | 2.25423 | 18.78366 | 0.75061 |
| 15 | NOX | 1.71063 | 1.94128 | 2.37278 | 5.49512 | 1.86842 | 2.19328 | 18.27579 | 0.75953 |
| 16 | NOX | 1.70177 | 1.93566 | 2.36712 | 5.54570 | 1.82048 | 2.13701 | 17.80692 | 0.77047 |
| 17 | NOX | 1.69415 | 1.93149 | 2.36292 | 5.59628 | 1.77630 | 2.08514 | 17.37474 | 0.78310 |
| 18 | NOX | 1.68759 | 1.92850 | 2.35993 | 5.64686 | 1.73565 | 2.03743 | 16.97713 | 0.79715 |
| 19 | NOX | 1.68192 | 1.92650 | 2.35794 | 5.69745 | 1.69834 | 1.99363 | 16.61220 | 0.81233 |
| 20 | NOX | 1.68261 | 1.93061 | 2.36531 | 5.74803 | 1.66419 | 1.95355 | 16.27821 | 0.82839 |
| 21 | NOX | 1.69245 | 1.94803 | 2.38821 | 5.79861 | 1.63305 | 1.91699 | 15.97360 | 0.84508 |
| 22 | NOX | 1.70158 | 1.96435 | 2.40953 | 5.84919 | 1.60477 | 1.88379 | 15.69696 | 0.86219 |
| 23 | NOX | 1.71008 | 1.97969 | 2.42945 | 5.89978 | 1.57922 | 1.85380 | 15.44704 | 0.87951 |
| 24 | NOX | 1.71804 | 1.99413 | 2.44811 | 5.95036 | 1.55628 | 1.82688 | 15.22269 | 0.89685 |
| 25 | NOX | 1.72552 | 2.00773 | 2.46563 | 6.00094 | 1.53586 | 1.80290 | 15.02292 | 0.91405 |
| 26 | NOX | 1.73257 | 2.02056 | 2.48210 | 6.05152 | 1.51786 | 1.78177 | 14.84684 | 0.93096 |
| 27 | NOX | 1.73923 | 2.03267 | 2.49763 | 6.10211 | 1.50220 | 1.76339 | 14.69368 | 0.94743 |
| 28 | NOX | 1.74554 | 2.04410 | 2.51228 | 6.15269 | 1.48882 | 1.74768 | 14.56275 | 0.96336 |
| 29 | NOX | 1.75155 | 2.05489 | 2.52612 | 6.20327 | 1.47765 | 1.73457 | 14.45351 | 0.97865 |
| 30 | NOX | 1.75727 | 2.06508 | 2.53923 | 6.25386 | 1.46865 | 1.72400 | 14.36547 | 0.99322 |
| 31 | NOX | 1.76275 | 2.07470 | 2.55164 | 6.30444 | 1.46177 | 1.71593 | 14.29825 | 1.00701 |
| 32 | NOX | 1.76799 | 2.08379 | 2.56343 | 6.35502 | 1.45700 | 1.71033 | 14.25157 | 1.01997 |
| 33 | NOX | 1.77303 | 2.09238 | 2.57465 | 6.40560 | 1.45431 | 1.70717 | 14.22523 | 1.03208 |
| 34 | NOX | 1.77790 | 2.10051 | 2.58534 | 6.45619 | 1.45368 | 1.70644 | 14.21912 | 1.04332 |
| 35 | NOX | 1.78261 | 2.10821 | 2.59557 | 6.50677 | 1.45512 | 1.70813 | 14.23320 | 1.05372 |
| 36 | NOX | 1.78718 | 2.11552 | 2.60539 | 6.55735 | 1.45863 | 1.71225 | 14.26754 | 1.06328 |
| 37 | NOX | 1.79164 | 2.12248 | 2.61484 | 6.60793 | 1.46423 | 1.71882 | 14.32229 | 1.07207 |
| 38 | NOX | 1.79602 | 2.12913 | 2.62400 | 6.65852 | 1.47194 | 1.72787 | 14.39768 | 1.08013 |
| 39 | NOX | 1.80033 | 2.13552 | 2.63292 | 6.70910 | 1.48179 | 1.73943 | 14.49404 | 1.08756 |
| 40 | NOX | 1.80459 | 2.14169 | 2.64165 | 6.75968 | 1.49383 | 1.75356 | 14.61177 | 1.09445 |
| 41 | NOX | 1.80885 | 2.14769 | 2.65027 | 6.81027 | 1.50810 | 1.77031 | 14.75139 | 1.10091 |
| 42 | NOX | 1.81310 | 2.15359 | 2.65884 | 6.86085 | 1.52467 | 1.78977 | 14.91351 | 1.10708 |
| 43 | NOX | 1.81740 | 2.15942 | 2.66742 | 6.91143 | 1.54362 | 1.81201 | 15.09883 | 1.11311 |
| 44 | NOX | 1.82175 | 2.16527 | 2.67610 | 6.96201 | 1.56502 | 1.83713 | 15.30818 | 1.11917 |
| 45 | NOX | 1.82620 | 2.17118 | 2.68494 | 7.01260 | 1.58898 | 1.86525 | 15.54248 | 1.12544 |
| 46 | NOX | 1.83077 | 2.17723 | 2.69403 | 7.06318 | 1.61559 | 1.89649 | 15.80280 | 1.13214 |
| 47 | NOX | 1.83549 | 2.18350 | 2.70344 | 7.11376 | 1.64498 | 1.93100 | 16.09031 | 1.13948 |
| 48 | NOX | 1.84039 | 2.19004 | 2.71327 | 7.16434 | 1.67729 | 1.96892 | 16.40633 | 1.14770 |
| 49 | NOX | 1.91490 | 2.27928 | 2.83018 | 7.21493 | 1.71267 | 2.01045 | 16.75233 | 1.18507 |
| 50 | NOX | 1.98940 | 2.36851 | 2.94709 | 7.26551 | 1.75127 | 2.05576 | 17.12993 | 1.22244 |
| 51 | NOX | 2.06391 | 2.45775 | 3.06399 | 7.31609 | 1.79329 | 2.10509 | 17.54093 | 1.25981 |
| 52 | NOX | 2.13841 | 2.54698 | 3.18090 | 7.36667 | 1.83892 | 2.15866 | 17.98732 | 1.29719 |
| 53 | NOX | 2.21292 | 2.63622 | 3.29781 | 7.41726 | 1.88840 | 2.21674 | 18.47128 | 1.33456 |
| 54 | NOX | 2.28742 | 2.72545 | 3.41471 | 7.46784 | 1.94197 | 2.27962 | 18.99522 | 1.37193 |
| 55 | NOX | 2.36193 | 2.81468 | 3.53162 | 7.51842 | 1.99989 | 2.34761 | 19.56177 | 1.40930 |
| 56 | NOX | 2.43644 | 2.90392 | 3.64852 | 7.56900 | 2.06246 | 2.42106 | 20.17385 | 1.44667 |
| 57 | NOX | 2.51094 | 2.99315 | 3.76543 | 7.61959 | 2.13002 | 2.50037 | 20.83464 | 1.48405 |
| 58 | NOX | 2.58545 | 3.08239 | 3.88234 | 7.67017 | 2.20291 | 2.58594 | 21.54766 | 1.52142 |
| 59 | NOX | 2.65995 | 3.17162 | 3.99924 | 7.72075 | 2.28154 | 2.67823 | 22.31674 | 1.55879 |
| 60 | NOX | 2.73446 | 3.26086 | 4.11615 | 7.77133 | 2.36633 | 2.77777 | 23.14612 | 1.59616 |
| 61 | NOX | 2.80896 | 3.35009 | 4.23306 | 7.82192 | 2.45776 | 2.88509 | 24.04044 | 1.63353 |
| 62 | NOX | 2.88347 | 3.43932 | 4.34996 | 7.87250 | 2.55635 | 3.00082 | 25.00478 | 1.67091 |
| 63 | NOX | 2.95798 | 3.52856 | 4.46687 | 7.92308 | 2.66267 | 3.12563 | 26.04477 | 1.70828 |
| 64 | NOX | 3.03248 | 3.61779 | 4.58378 | 7.97367 | 2.77736 | 3.26026 | 27.16657 | 1.74565 |
| 65 | NOX | 3.10699 | 3.70703 | 4.70068 | 8.02425 | 2.90110 | 3.40552 | 28.37695 | 1.78302 |

# Table A-16
# Victoria 1993 VOC Emission Rates
# for Time Period 2

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 18.70743 | 21.21981 | 31.07343 | 49.52973 | 1.59459 | 2.41093 | 5.80984 | 11.67581 |
| 4 | VOC | 13.05608 | 15.00397 | 21.76777 | 37.45837 | 1.51391 | 2.28895 | 5.51589 | 10.05070 |
| 5 | VOC | 10.03562 | 11.62695 | 16.72000 | 30.97549 | 1.43858 | 2.17505 | 5.24143 | 8.84708 |
| 6 | VOC | 8.17614 | 9.52236 | 13.57751 | 26.80601 | 1.36820 | 2.06864 | 4.98500 | 7.93859 |
| 7 | VOC | 6.92446 | 8.09411 | 11.44751 | 23.80976 | 1.30241 | 1.96917 | 4.74529 | 7.24100 |
| 8 | VOC | 6.20661 | 7.22139 | 10.14256 | 21.92968 | 1.24087 | 1.87613 | 4.52109 | 6.69693 |
| 9 | VOC | 5.65380 | 6.55252 | 9.14599 | 20.35010 | 1.18329 | 1.78906 | 4.31127 | 6.26649 |
| 10 | VOC | 5.19907 | 6.01216 | 8.34530 | 18.96119 | 1.12937 | 1.70754 | 4.11481 | 5.92142 |
| 11 | VOC | 4.81590 | 5.56582 | 7.68821 | 17.72944 | 1.07885 | 1.63116 | 3.93076 | 5.64134 |
| 12 | VOC | 4.48642 | 5.19005 | 7.13909 | 16.62989 | 1.03150 | 1.55957 | 3.75825 | 5.41131 |
| 13 | VOC | 4.19821 | 4.86841 | 6.67290 | 15.64322 | 0.98710 | 1.49244 | 3.59647 | 5.22021 |
| 14 | VOC | 3.94233 | 4.58899 | 6.27153 | 14.75402 | 0.94544 | 1.42945 | 3.44469 | 5.05966 |
| 15 | VOC | 3.71222 | 4.34302 | 5.92160 | 13.94974 | 0.90634 | 1.37033 | 3.30221 | 4.92323 |
| 16 | VOC | 3.50294 | 4.12388 | 5.61302 | 13.21992 | 0.86962 | 1.31481 | 3.16842 | 4.80596 |
| 17 | VOC | 3.31072 | 3.92651 | 5.33808 | 12.55577 | 0.83512 | 1.26265 | 3.04272 | 4.70399 |
| 18 | VOC | 3.13263 | 3.74699 | 5.09080 | 11.94982 | 0.80269 | 1.21362 | 2.92459 | 4.61426 |
| 19 | VOC | 2.96634 | 3.58225 | 4.86645 | 11.39563 | 0.77221 | 1.16753 | 2.81351 | 4.53438 |
| 20 | VOC | 2.82623 | 3.45515 | 4.69568 | 10.89977 | 0.74353 | 1.12418 | 2.70904 | 4.46243 |
| 21 | VOC | 2.72428 | 3.33662 | 4.52943 | 10.46346 | 0.71655 | 1.08339 | 2.61074 | 4.39690 |
| 22 | VOC | 2.63059 | 3.22759 | 4.37735 | 10.06427 | 0.69116 | 1.04499 | 2.51822 | 4.33661 |
| 23 | VOC | 2.54405 | 3.12678 | 4.23748 | 9.69849 | 0.66725 | 1.00885 | 2.43112 | 4.28060 |
| 24 | VOC | 2.46376 | 3.03314 | 4.10820 | 9.36284 | 0.64474 | 0.97481 | 2.34910 | 4.22815 |
| 25 | VOC | 2.38897 | 2.94582 | 3.98820 | 9.05443 | 0.62354 | 0.94276 | 2.27185 | 4.17871 |
| 26 | VOC | 2.31905 | 2.86416 | 3.87642 | 8.77068 | 0.60356 | 0.91255 | 2.19907 | 4.13187 |
| 27 | VOC | 2.25350 | 2.78760 | 3.77198 | 8.50931 | 0.58474 | 0.88410 | 2.13049 | 4.08731 |
| 28 | VOC | 2.19186 | 2.71571 | 3.67416 | 8.26828 | 0.56701 | 0.85728 | 2.06587 | 4.04484 |
| 29 | VOC | 2.13377 | 2.64810 | 3.58235 | 8.04577 | 0.55029 | 0.83201 | 2.00498 | 4.00432 |
| 30 | VOC | 2.07890 | 2.58448 | 3.49607 | 7.84016 | 0.53454 | 0.80820 | 1.94759 | 3.96568 |
| 31 | VOC | 2.02698 | 2.52458 | 3.41488 | 7.64999 | 0.51970 | 0.78576 | 1.89351 | 3.92887 |
| 32 | VOC | 1.97777 | 2.46819 | 3.33844 | 7.47396 | 0.50571 | 0.76461 | 1.84256 | 3.89391 |
| 33 | VOC | 1.93106 | 2.41512 | 3.26643 | 7.31090 | 0.49254 | 0.74469 | 1.79455 | 3.86082 |
| 34 | VOC | 1.88666 | 2.36517 | 3.19859 | 7.15974 | 0.48013 | 0.72592 | 1.74933 | 3.82963 |
| 35 | VOC | 1.84442 | 2.31820 | 3.13468 | 7.01954 | 0.46844 | 0.70826 | 1.70675 | 3.80038 |
| 36 | VOC | 1.80418 | 2.27406 | 3.07449 | 6.88944 | 0.45744 | 0.69163 | 1.66668 | 3.77311 |
| 37 | VOC | 1.76580 | 2.23259 | 3.01780 | 6.76867 | 0.44710 | 0.67598 | 1.62898 | 3.74785 |
| 38 | VOC | 1.72916 | 2.19368 | 2.96445 | 6.65654 | 0.43737 | 0.66127 | 1.59353 | 3.72465 |
| 39 | VOC | 1.69416 | 2.15718 | 2.91425 | 6.55241 | 0.42823 | 0.64745 | 1.56023 | 3.70349 |
| 40 | VOC | 1.66067 | 2.12295 | 2.86703 | 6.45572 | 0.41965 | 0.63448 | 1.52897 | 3.68438 |
| 41 | VOC | 1.62861 | 2.09087 | 2.82262 | 6.36595 | 0.41160 | 0.62232 | 1.49965 | 3.66729 |
| 42 | VOC | 1.59787 | 2.06080 | 2.78084 | 6.28264 | 0.40406 | 0.61092 | 1.47219 | 3.65217 |
| 43 | VOC | 1.56837 | 2.03259 | 2.74154 | 6.20537 | 0.39701 | 0.60026 | 1.44651 | 3.63894 |
| 44 | VOC | 1.54001 | 2.00609 | 2.70453 | 6.13376 | 0.39043 | 0.59031 | 1.42252 | 3.62748 |
| 45 | VOC | 1.51270 | 1.98113 | 2.66962 | 6.06748 | 0.38430 | 0.58103 | 1.40017 | 3.61765 |
| 46 | VOC | 1.48636 | 1.95755 | 2.63662 | 6.00622 | 0.37859 | 0.57240 | 1.37938 | 3.60926 |
| 47 | VOC | 1.46088 | 1.93513 | 2.60532 | 5.94970 | 0.37330 | 0.56440 | 1.36009 | 3.60207 |
| 48 | VOC | 1.43658 | 1.91349 | 2.57504 | 5.89685 | 0.36840 | 0.55700 | 1.34226 | 3.59579 |
| 49 | VOC | 1.42919 | 1.90550 | 2.56271 | 5.84149 | 0.36389 | 0.55018 | 1.32582 | 3.59579 |
| 50 | VOC | 1.42223 | 1.89797 | 2.55110 | 5.79115 | 0.35975 | 0.54392 | 1.31074 | 3.59579 |
| 51 | VOC | 1.41567 | 1.89088 | 2.54017 | 5.74557 | 0.35597 | 0.53821 | 1.29697 | 3.59579 |
| 52 | VOC | 1.40948 | 1.88418 | 2.52985 | 5.70453 | 0.35254 | 0.53302 | 1.28448 | 3.59579 |
| 53 | VOC | 1.40363 | 1.87786 | 2.52011 | 5.66783 | 0.34945 | 0.52835 | 1.27323 | 3.59579 |
| 54 | VOC | 1.39809 | 1.87188 | 2.51090 | 5.63529 | 0.34670 | 0.52419 | 1.26318 | 3.59579 |
| 55 | VOC | 1.39285 | 1.86622 | 2.50219 | 5.60678 | 0.34426 | 0.52051 | 1.25432 | 3.59579 |
| 56 | VOC | 1.44077 | 1.94740 | 2.62053 | 5.58216 | 0.34215 | 0.51731 | 1.24662 | 3.67588 |
| 57 | VOC | 1.48895 | 2.02886 | 2.73931 | 5.56132 | 0.34035 | 0.51459 | 1.24005 | 3.75598 |
| 58 | VOC | 1.53736 | 2.11057 | 2.85848 | 5.54419 | 0.33885 | 0.51233 | 1.23461 | 3.83607 |
| 59 | VOC | 1.58599 | 2.19253 | 2.97802 | 5.53070 | 0.33766 | 0.51053 | 1.23027 | 3.91616 |
| 60 | VOC | 1.63483 | 2.27471 | 3.09791 | 5.52079 | 0.33677 | 0.50918 | 1.22703 | 3.99625 |
| 61 | VOC | 1.68387 | 2.35709 | 3.21812 | 5.51445 | 0.33618 | 0.50829 | 1.22487 | 4.07634 |
| 62 | VOC | 1.73308 | 2.43968 | 3.33864 | 5.51166 | 0.33589 | 0.50784 | 1.22379 | 4.15644 |
| 63 | VOC | 1.78247 | 2.52245 | 3.45944 | 5.51242 | 0.33589 | 0.50784 | 1.22379 | 4.23653 |
| 64 | VOC | 1.83202 | 2.60539 | 3.58051 | 5.51677 | 0.33618 | 0.50829 | 1.22487 | 4.31662 |
| 65 | VOC | 1.88171 | 2.68849 | 3.70183 | 5.52475 | 0.33677 | 0.50918 | 1.22703 | 4.39671 |

# Table A-17
# Victoria 1993 CO Emission Rates
# for Time Period 2

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 132.76164 | 181.05963 | 272.37122 | 464.05096 | 5.28850 | 6.34022 | 39.08284 | 166.05774 |
| 4 CO | 101.47005 | 138.69409 | 208.26723 | 423.98340 | 4.87395 | 5.84323 | 36.01925 | 132.43452 |
| 5 CO | 82.29162 | 112.22224 | 167.64250 | 388.22867 | 4.50008 | 5.39500 | 33.25628 | 108.16673 |
| 6 CO | 69.35397 | 94.19374 | 139.70651 | 356.27197 | 4.16245 | 4.99023 | 30.76118 | 90.25908 |
| 7 CO | 60.06413 | 81.20634 | 119.45001 | 327.66589 | 3.85717 | 4.62424 | 28.50512 | 76.77505 |
| 8 CO | 53.09067 | 71.46448 | 104.18913 | 302.02032 | 3.58079 | 4.29290 | 26.46263 | 66.43221 |
| 9 CO | 47.67735 | 63.92627 | 92.34668 | 278.99512 | 3.33027 | 3.99256 | 24.61125 | 58.36223 |
| 10 CO | 43.36232 | 57.94514 | 82.93404 | 258.29291 | 3.10292 | 3.72000 | 22.93109 | 51.96492 |
| 11 CO | 39.84761 | 53.09891 | 75.30084 | 239.65356 | 2.89636 | 3.47235 | 21.40455 | 46.81738 |
| 12 CO | 36.93250 | 49.10064 | 69.00293 | 222.84900 | 2.70847 | 3.24710 | 20.01603 | 42.61632 |
| 13 CO | 34.47699 | 45.74883 | 63.72748 | 207.67917 | 2.53739 | 3.04199 | 18.75169 | 39.14066 |
| 14 CO | 32.38051 | 42.89809 | 59.24859 | 193.96823 | 2.38144 | 2.85503 | 17.59921 | 36.22684 |
| 15 CO | 30.56909 | 40.44109 | 55.39947 | 181.56146 | 2.23915 | 2.68444 | 16.54764 | 33.75222 |
| 16 CO | 28.98716 | 38.29716 | 52.05476 | 170.32262 | 2.10919 | 2.52864 | 15.58726 | 31.62378 |
| 17 CO | 27.59228 | 36.40472 | 49.11878 | 160.13135 | 1.99040 | 2.38623 | 14.70935 | 29.77026 |
| 18 CO | 26.35153 | 34.71622 | 46.51743 | 150.88144 | 1.88172 | 2.25593 | 13.90618 | 28.13659 |
| 19 CO | 25.23909 | 33.19467 | 44.19281 | 142.47897 | 1.78221 | 2.13664 | 13.17082 | 26.68007 |
| 20 CO | 24.21540 | 32.10111 | 42.61113 | 134.84076 | 1.69104 | 2.02734 | 12.49706 | 25.36733 |
| 21 CO | 23.24934 | 30.94451 | 41.05933 | 127.89305 | 1.60746 | 1.92713 | 11.87937 | 24.17238 |
| 22 CO | 22.36648 | 29.87542 | 39.64143 | 121.57050 | 1.53079 | 1.83522 | 11.31279 | 23.07494 |
| 23 CO | 21.55557 | 28.88132 | 38.33814 | 115.81503 | 1.46043 | 1.75087 | 10.79285 | 22.05924 |
| 24 CO | 20.80749 | 27.95258 | 37.13402 | 110.57504 | 1.39585 | 1.67344 | 10.31556 | 21.11311 |
| 25 CO | 20.11476 | 27.08183 | 36.01664 | 105.80464 | 1.33655 | 1.60235 | 9.87734 | 20.22725 |
| 26 CO | 19.47124 | 26.26346 | 34.97607 | 101.46301 | 1.28211 | 1.53708 | 9.47497 | 19.39457 |
| 27 CO | 18.87188 | 25.49323 | 34.00425 | 97.51385 | 1.23212 | 1.47715 | 9.10555 | 18.60980 |
| 28 CO | 18.31245 | 24.76788 | 33.09470 | 93.92480 | 1.18623 | 1.42214 | 8.76647 | 17.86904 |
| 29 CO | 17.78941 | 24.08496 | 32.24212 | 90.66709 | 1.14414 | 1.37168 | 8.45539 | 17.16945 |
| 30 CO | 17.29974 | 23.44251 | 31.44221 | 87.71513 | 1.10555 | 1.32541 | 8.17020 | 16.50898 |
| 31 CO | 16.84088 | 22.83897 | 30.69137 | 85.04619 | 1.07021 | 1.28304 | 7.90902 | 15.88615 |
| 32 CO | 16.41058 | 22.27296 | 29.98661 | 82.64005 | 1.03788 | 1.24429 | 7.67013 | 15.29991 |
| 33 CO | 16.00688 | 21.74329 | 29.32534 | 80.47885 | 1.00837 | 1.20890 | 7.45201 | 14.74941 |
| 34 CO | 15.62801 | 21.24878 | 28.70531 | 78.54679 | 0.98148 | 1.17666 | 7.25328 | 14.23401 |
| 35 CO | 15.27240 | 20.78832 | 28.12449 | 76.82994 | 0.95704 | 1.14737 | 7.07271 | 13.75304 |
| 36 CO | 14.93861 | 20.36077 | 27.58104 | 75.31615 | 0.93492 | 1.12084 | 6.90920 | 13.30587 |
| 37 CO | 14.62532 | 19.96497 | 27.07324 | 73.99477 | 0.91497 | 1.09693 | 6.76176 | 12.89178 |
| 38 CO | 14.33127 | 19.59967 | 26.59940 | 72.85670 | 0.89707 | 1.07548 | 6.62953 | 12.50991 |
| 39 CO | 14.05533 | 19.26363 | 26.15792 | 71.89413 | 0.88113 | 1.05636 | 6.51172 | 12.15929 |
| 40 CO | 13.79638 | 18.95547 | 25.74714 | 71.10050 | 0.86705 | 1.03948 | 6.40766 | 11.83875 |
| 41 CO | 13.55336 | 18.67373 | 25.36545 | 70.47052 | 0.85475 | 1.02473 | 6.31674 | 11.54689 |
| 42 CO | 13.32522 | 18.41683 | 25.01110 | 69.99994 | 0.84416 | 1.01203 | 6.23846 | 11.28216 |
| 43 CO | 13.11094 | 18.18299 | 24.68235 | 69.68565 | 0.83522 | 1.00131 | 6.17237 | 11.04266 |
| 44 CO | 12.90946 | 17.97021 | 24.37723 | 69.52556 | 0.82787 | 0.99251 | 6.11811 | 10.82626 |
| 45 CO | 12.71967 | 17.77616 | 24.09372 | 69.51860 | 0.82209 | 0.98558 | 6.07537 | 10.63047 |
| 46 CO | 12.54040 | 17.59811 | 23.82949 | 69.66475 | 0.81783 | 0.98048 | 6.04393 | 10.45246 |
| 47 CO | 12.37040 | 17.43289 | 23.58211 | 69.96496 | 0.81508 | 0.97718 | 6.02359 | 10.28895 |
| 48 CO | 12.20827 | 17.27675 | 23.34868 | 70.42120 | 0.81382 | 0.97566 | 6.01426 | 10.13623 |
| 49 CO | 12.20827 | 17.27675 | 23.34868 | 71.03656 | 0.81404 | 0.97593 | 6.01589 | 10.13623 |
| 50 CO | 12.20827 | 17.27675 | 23.34868 | 71.81509 | 0.81574 | 0.97797 | 6.02847 | 10.13623 |
| 51 CO | 12.20827 | 17.27675 | 23.34868 | 72.76204 | 0.81894 | 0.98180 | 6.05209 | 10.13623 |
| 52 CO | 12.20827 | 17.27675 | 23.34868 | 73.88387 | 0.82364 | 0.98744 | 6.08687 | 10.13623 |
| 53 CO | 12.20827 | 17.27675 | 23.34868 | 75.18822 | 0.82989 | 0.99493 | 6.13300 | 10.13623 |
| 54 CO | 12.20827 | 17.27675 | 23.34868 | 76.68410 | 0.83770 | 1.00429 | 6.19073 | 10.13623 |
| 55 CO | 12.20827 | 17.27675 | 23.34868 | 78.38202 | 0.84713 | 1.01559 | 6.26040 | 10.13623 |
| 56 CO | 14.30853 | 20.77161 | 28.34234 | 80.29398 | 0.85822 | 1.02889 | 6.34238 | 12.57733 |
| 57 CO | 16.40880 | 24.26648 | 33.33601 | 82.43372 | 0.87104 | 1.04426 | 6.43714 | 15.01843 |
| 58 CO | 18.50907 | 27.76134 | 38.32967 | 84.81686 | 0.88567 | 1.06180 | 6.54521 | 17.45953 |
| 59 CO | 20.60933 | 31.25621 | 43.32333 | 87.46114 | 0.90218 | 1.08159 | 6.66722 | 19.90064 |
| 60 CO | 22.70960 | 34.75108 | 48.31698 | 90.38646 | 0.92067 | 1.10376 | 6.80388 | 22.34174 |
| 61 CO | 24.80987 | 38.24595 | 53.31065 | 93.61536 | 0.94125 | 1.12844 | 6.95599 | 24.78284 |
| 62 CO | 26.91014 | 41.74081 | 58.30431 | 97.17314 | 0.96405 | 1.15577 | 7.12446 | 27.22393 |
| 63 CO | 29.01040 | 45.23568 | 63.29797 | 101.08832 | 0.98919 | 1.18591 | 7.31030 | 29.66504 |
| 64 CO | 31.11067 | 48.73055 | 68.29163 | 105.39283 | 1.01684 | 1.21906 | 7.51464 | 32.10614 |
| 65 CO | 33.21094 | 52.22541 | 73.28528 | 110.12263 | 1.04717 | 1.25542 | 7.73878 | 34.54724 |

# Table A-18
# Victoria 1993 NOX Emission Rates
# for Time Period 2

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 2.27726 | 2.50714 | 2.91392 | 4.60761 | 2.85117 | 3.34691 | 27.88858 | 0.82343 |
| 4 | NOX | 2.09647 | 2.31214 | 2.70698 | 4.65529 | 2.73109 | 3.20595 | 26.71399 | 0.78760 |
| 5 | NOX | 1.98675 | 2.19408 | 2.58224 | 4.70297 | 2.61978 | 3.07528 | 25.62523 | 0.75786 |
| 6 | NOX | 1.91282 | 2.11506 | 2.49909 | 4.75065 | 2.51658 | 2.95414 | 24.61577 | 0.73376 |
| 7 | NOX | 1.85953 | 2.05875 | 2.44006 | 4.79833 | 2.42088 | 2.84180 | 23.67968 | 0.71483 |
| 8 | NOX | 1.81930 | 2.01695 | 2.39639 | 4.84601 | 2.33213 | 2.73762 | 22.81156 | 0.70065 |
| 9 | NOX | 1.78789 | 1.98507 | 2.36316 | 4.89369 | 2.24982 | 2.64100 | 22.00649 | 0.69079 |
| 10 | NOX | 1.76275 | 1.96031 | 2.33739 | 4.94137 | 2.17350 | 2.55141 | 21.26000 | 0.68486 |
| 11 | NOX | 1.74224 | 1.94086 | 2.31717 | 4.98905 | 2.10276 | 2.46837 | 20.56802 | 0.68247 |
| 12 | NOX | 1.72527 | 1.92549 | 2.30118 | 5.03673 | 2.03721 | 2.39142 | 19.92683 | 0.68324 |
| 13 | NOX | 1.71105 | 1.91334 | 2.28851 | 5.08441 | 1.97651 | 2.32016 | 19.33307 | 0.68684 |
| 14 | NOX | 1.69904 | 1.90375 | 2.27848 | 5.13209 | 1.92034 | 2.25423 | 18.78366 | 0.69291 |
| 15 | NOX | 1.68881 | 1.89624 | 2.27059 | 5.17977 | 1.86842 | 2.19328 | 18.27579 | 0.70115 |
| 16 | NOX | 1.68006 | 1.89044 | 2.26443 | 5.22745 | 1.82048 | 2.13701 | 17.80692 | 0.71125 |
| 17 | NOX | 1.67253 | 1.88603 | 2.25971 | 5.27513 | 1.77630 | 2.08514 | 17.37474 | 0.72291 |
| 18 | NOX | 1.66603 | 1.88279 | 2.25616 | 5.32281 | 1.73565 | 2.03743 | 16.97713 | 0.73588 |
| 19 | NOX | 1.66041 | 1.88049 | 2.25358 | 5.37049 | 1.69834 | 1.99363 | 16.61220 | 0.74989 |
| 20 | NOX | 1.66119 | 1.88404 | 2.26002 | 5.41817 | 1.66419 | 1.95355 | 16.27821 | 0.76472 |
| 21 | NOX | 1.67119 | 1.90084 | 2.28188 | 5.46585 | 1.63305 | 1.91699 | 15.97360 | 0.78013 |
| 22 | NOX | 1.68045 | 1.91655 | 2.30219 | 5.51353 | 1.60477 | 1.88379 | 15.69696 | 0.79592 |
| 23 | NOX | 1.68905 | 1.93129 | 2.32113 | 5.56121 | 1.57922 | 1.85380 | 15.44704 | 0.81191 |
| 24 | NOX | 1.69708 | 1.94514 | 2.33885 | 5.60889 | 1.55628 | 1.82688 | 15.22269 | 0.82792 |
| 25 | NOX | 1.70460 | 1.95818 | 2.35545 | 5.65657 | 1.53586 | 1.80290 | 15.02292 | 0.84380 |
| 26 | NOX | 1.71167 | 1.97046 | 2.37104 | 5.70425 | 1.51786 | 1.78177 | 14.84684 | 0.85940 |
| 27 | NOX | 1.71834 | 1.98203 | 2.38571 | 5.75193 | 1.50220 | 1.76339 | 14.69368 | 0.87461 |
| 28 | NOX | 1.72463 | 1.99295 | 2.39954 | 5.79961 | 1.48882 | 1.74768 | 14.56275 | 0.88932 |
| 29 | NOX | 1.73060 | 2.00324 | 2.41258 | 5.84729 | 1.47765 | 1.73457 | 14.45351 | 0.90343 |
| 30 | NOX | 1.73627 | 2.01295 | 2.42491 | 5.89497 | 1.46865 | 1.72400 | 14.36547 | 0.91688 |
| 31 | NOX | 1.74166 | 2.02210 | 2.43658 | 5.94265 | 1.46177 | 1.71593 | 14.29825 | 0.92961 |
| 32 | NOX | 1.74682 | 2.03074 | 2.44764 | 5.99032 | 1.45700 | 1.71033 | 14.25157 | 0.94158 |
| 33 | NOX | 1.75175 | 2.03890 | 2.45815 | 6.03800 | 1.45431 | 1.70717 | 14.22523 | 0.95275 |
| 34 | NOX | 1.75648 | 2.04661 | 2.46816 | 6.08568 | 1.45368 | 1.70644 | 14.21912 | 0.96313 |
| 35 | NOX | 1.76104 | 2.05390 | 2.47771 | 6.13337 | 1.45512 | 1.70813 | 14.23320 | 0.97273 |
| 36 | NOX | 1.76545 | 2.06081 | 2.48686 | 6.18104 | 1.45863 | 1.71225 | 14.26754 | 0.98156 |
| 37 | NOX | 1.76973 | 2.06738 | 2.49566 | 6.22872 | 1.46423 | 1.71882 | 14.32229 | 0.98967 |
| 38 | NOX | 1.77390 | 2.07365 | 2.50415 | 6.27640 | 1.47194 | 1.72787 | 14.39768 | 0.99711 |
| 39 | NOX | 1.77798 | 2.07965 | 2.51241 | 6.32408 | 1.48179 | 1.73943 | 14.49404 | 1.00397 |
| 40 | NOX | 1.78200 | 2.08544 | 2.52047 | 6.37176 | 1.49383 | 1.75356 | 14.61177 | 1.01032 |
| 41 | NOX | 1.78598 | 2.09105 | 2.52839 | 6.41944 | 1.50810 | 1.77031 | 14.75139 | 1.01629 |
| 42 | NOX | 1.78993 | 2.09655 | 2.53624 | 6.46712 | 1.52467 | 1.78977 | 14.91351 | 1.02199 |
| 43 | NOX | 1.79390 | 2.10198 | 2.54408 | 6.51480 | 1.54362 | 1.81201 | 15.09883 | 1.02755 |
| 44 | NOX | 1.79790 | 2.10740 | 2.55197 | 6.56248 | 1.56502 | 1.83713 | 15.30818 | 1.03315 |
| 45 | NOX | 1.80195 | 2.11286 | 2.55998 | 6.61016 | 1.58898 | 1.86525 | 15.54248 | 1.03894 |
| 46 | NOX | 1.80609 | 2.11843 | 2.56817 | 6.65784 | 1.61559 | 1.89649 | 15.80280 | 1.04512 |
| 47 | NOX | 1.81035 | 2.12418 | 2.57664 | 6.70552 | 1.64498 | 1.93100 | 16.09031 | 1.05189 |
| 48 | NOX | 1.81475 | 2.13017 | 2.58544 | 6.75320 | 1.67729 | 1.96892 | 16.40633 | 1.05948 |
| 49 | NOX | 1.88794 | 2.21681 | 2.69649 | 6.80088 | 1.71267 | 2.01045 | 16.75233 | 1.09398 |
| 50 | NOX | 1.96112 | 2.30346 | 2.80754 | 6.84856 | 1.75127 | 2.05576 | 17.12993 | 1.12848 |
| 51 | NOX | 2.03431 | 2.39010 | 2.91860 | 6.89624 | 1.79329 | 2.10509 | 17.54093 | 1.16298 |
| 52 | NOX | 2.10750 | 2.47675 | 3.02965 | 6.94392 | 1.83892 | 2.15866 | 17.98732 | 1.19748 |
| 53 | NOX | 2.18069 | 2.56339 | 3.14070 | 6.99160 | 1.88840 | 2.21674 | 18.47128 | 1.23198 |
| 54 | NOX | 2.25388 | 2.65004 | 3.25176 | 7.03928 | 1.94197 | 2.27962 | 18.99522 | 1.26648 |
| 55 | NOX | 2.32706 | 2.73668 | 3.36281 | 7.08696 | 1.99989 | 2.34761 | 19.56177 | 1.30098 |
| 56 | NOX | 2.40025 | 2.82333 | 3.47386 | 7.13464 | 2.06246 | 2.42106 | 20.17385 | 1.33548 |
| 57 | NOX | 2.47344 | 2.90997 | 3.58492 | 7.18232 | 2.13002 | 2.50037 | 20.83464 | 1.36998 |
| 58 | NOX | 2.54663 | 2.99662 | 3.69597 | 7.23000 | 2.20291 | 2.58594 | 21.54766 | 1.40448 |
| 59 | NOX | 2.61982 | 3.08326 | 3.80702 | 7.27768 | 2.28154 | 2.67823 | 22.31674 | 1.43898 |
| 60 | NOX | 2.69301 | 3.16991 | 3.91808 | 7.32536 | 2.36633 | 2.77777 | 23.14612 | 1.47348 |
| 61 | NOX | 2.76619 | 3.25655 | 4.02913 | 7.37304 | 2.45776 | 2.88509 | 24.04044 | 1.50798 |
| 62 | NOX | 2.83938 | 3.34320 | 4.14018 | 7.42072 | 2.55635 | 3.00082 | 25.00478 | 1.54248 |
| 63 | NOX | 2.91257 | 3.42984 | 4.25124 | 7.46840 | 2.66267 | 3.12563 | 26.04477 | 1.57698 |
| 64 | NOX | 2.98576 | 3.51649 | 4.36229 | 7.51608 | 2.77736 | 3.26026 | 27.16657 | 1.61148 |
| 65 | NOX | 3.05895 | 3.60313 | 4.47334 | 7.56376 | 2.90110 | 3.40552 | 28.37695 | 1.64597 |

# Table A-19
# Victoria 1993 VOC Emission Rates
# for Time Period 3

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 19.48264 | 21.79996 | 31.90831 | 51.41399 | 1.59459 | 2.41093 | 5.80984 | 11.78422 |
| 4 | VOC | 13.56184 | 15.35942 | 22.26231 | 38.66164 | 1.51391 | 2.28895 | 5.51589 | 10.16017 |
| 5 | VOC | 10.40500 | 11.87422 | 17.05404 | 31.85204 | 1.43858 | 2.17505 | 5.24143 | 8.95732 |
| 6 | VOC | 8.46514 | 9.70862 | 13.82276 | 27.49758 | 1.36820 | 2.06864 | 4.98500 | 8.04942 |
| 7 | VOC | 7.16122 | 8.24229 | 11.63825 | 24.38456 | 1.30241 | 1.96917 | 4.74529 | 7.35228 |
| 8 | VOC | 6.42052 | 7.35213 | 10.31012 | 22.45371 | 1.24087 | 1.87613 | 4.52109 | 6.80857 |
| 9 | VOC | 5.84976 | 6.67080 | 9.29713 | 20.83576 | 1.18329 | 1.78906 | 4.31127 | 6.37841 |
| 10 | VOC | 5.37916 | 6.12070 | 8.48348 | 19.41443 | 1.12937 | 1.70754 | 4.11481 | 6.03356 |
| 11 | VOC | 4.98161 | 5.66659 | 7.81593 | 18.15471 | 1.07885 | 1.63116 | 3.93076 | 5.75366 |
| 12 | VOC | 4.63889 | 5.28453 | 7.25824 | 17.03063 | 1.03150 | 1.55957 | 3.75825 | 5.52378 |
| 13 | VOC | 4.33830 | 4.95773 | 6.78492 | 16.02219 | 0.98710 | 1.49244 | 3.59647 | 5.33281 |
| 14 | VOC | 4.07073 | 4.67403 | 6.37756 | 15.11345 | 0.94544 | 1.42945 | 3.44469 | 5.17236 |
| 15 | VOC | 3.82947 | 4.42448 | 6.02255 | 14.29144 | 0.90634 | 1.37033 | 3.30221 | 5.03601 |
| 16 | VOC | 3.60948 | 4.20233 | 5.70963 | 13.54544 | 0.86962 | 1.31481 | 3.16842 | 4.91883 |
| 17 | VOC | 3.40690 | 4.00241 | 5.43097 | 12.86641 | 0.83512 | 1.26265 | 3.04272 | 4.81692 |
| 18 | VOC | 3.21875 | 3.82072 | 5.18045 | 12.24667 | 0.80269 | 1.21362 | 2.92459 | 4.72725 |
| 19 | VOC | 3.04267 | 3.65412 | 4.95332 | 11.67966 | 0.77221 | 1.16753 | 2.81351 | 4.64742 |
| 20 | VOC | 2.89575 | 3.52520 | 4.78005 | 11.17330 | 0.74353 | 1.12418 | 2.70904 | 4.57552 |
| 21 | VOC | 2.79139 | 3.40425 | 4.61078 | 10.72948 | 0.71655 | 1.08339 | 2.61074 | 4.51003 |
| 22 | VOC | 2.69543 | 3.29301 | 4.45595 | 10.32342 | 0.69116 | 1.04499 | 2.51822 | 4.44977 |
| 23 | VOC | 2.60676 | 3.19014 | 4.31356 | 9.95133 | 0.66725 | 1.00885 | 2.43112 | 4.39380 |
| 24 | VOC | 2.52446 | 3.09458 | 4.18196 | 9.60987 | 0.64474 | 0.97481 | 2.34910 | 4.34139 |
| 25 | VOC | 2.44777 | 3.00549 | 4.05983 | 9.29609 | 0.62354 | 0.94276 | 2.27185 | 4.29198 |
| 26 | VOC | 2.37605 | 2.92216 | 3.94607 | 9.00736 | 0.60356 | 0.91255 | 2.19907 | 4.24517 |
| 27 | VOC | 2.30877 | 2.84404 | 3.83980 | 8.74137 | 0.58474 | 0.88410 | 2.13049 | 4.20064 |
| 28 | VOC | 2.24548 | 2.77067 | 3.74026 | 8.49604 | 0.56701 | 0.85728 | 2.06587 | 4.15820 |
| 29 | VOC | 2.18580 | 2.70168 | 3.64686 | 8.26953 | 0.55029 | 0.83201 | 2.00498 | 4.11770 |
| 30 | VOC | 2.12941 | 2.63675 | 3.55907 | 8.06017 | 0.53454 | 0.80820 | 1.94759 | 4.07908 |
| 31 | VOC | 2.07603 | 2.57563 | 3.47648 | 7.86650 | 0.51970 | 0.78576 | 1.89351 | 4.04230 |
| 32 | VOC | 2.02541 | 2.51808 | 3.39871 | 7.68718 | 0.50571 | 0.76461 | 1.84256 | 4.00737 |
| 33 | VOC | 1.97734 | 2.46391 | 3.32546 | 7.52103 | 0.49254 | 0.74469 | 1.79455 | 3.97430 |
| 34 | VOC | 1.93162 | 2.41293 | 3.25644 | 7.36696 | 0.48013 | 0.72592 | 1.74933 | 3.94312 |
| 35 | VOC | 1.88810 | 2.36499 | 3.19141 | 7.22402 | 0.46844 | 0.70826 | 1.70675 | 3.91389 |
| 36 | VOC | 1.84661 | 2.31993 | 3.13016 | 7.09133 | 0.45744 | 0.69163 | 1.66668 | 3.88664 |
| 37 | VOC | 1.80703 | 2.27760 | 3.07247 | 6.96812 | 0.44710 | 0.67598 | 1.62898 | 3.86140 |
| 38 | VOC | 1.76922 | 2.23787 | 3.01815 | 6.85367 | 0.43737 | 0.66127 | 1.59353 | 3.83821 |
| 39 | VOC | 1.73307 | 2.20060 | 2.96704 | 6.74734 | 0.42823 | 0.64745 | 1.56023 | 3.81707 |
| 40 | VOC | 1.69847 | 2.16565 | 2.91894 | 6.64856 | 0.41965 | 0.63448 | 1.52897 | 3.79797 |
| 41 | VOC | 1.66531 | 2.13289 | 2.87370 | 6.55681 | 0.41160 | 0.62232 | 1.49965 | 3.78089 |
| 42 | VOC | 1.63351 | 2.10217 | 2.83113 | 6.47162 | 0.40406 | 0.61092 | 1.47219 | 3.76578 |
| 43 | VOC | 1.60296 | 2.07335 | 2.79106 | 6.39256 | 0.39701 | 0.60026 | 1.44651 | 3.75256 |
| 44 | VOC | 1.57358 | 2.04627 | 2.75331 | 6.31924 | 0.39043 | 0.59031 | 1.42252 | 3.74110 |
| 45 | VOC | 1.54527 | 2.02077 | 2.71770 | 6.25133 | 0.38430 | 0.58103 | 1.40017 | 3.73128 |
| 46 | VOC | 1.51794 | 1.99666 | 2.68402 | 6.18851 | 0.37859 | 0.57240 | 1.37938 | 3.72290 |
| 47 | VOC | 1.49150 | 1.97375 | 2.65206 | 6.13050 | 0.37330 | 0.56440 | 1.36009 | 3.71571 |
| 48 | VOC | 1.46628 | 1.95160 | 2.62112 | 6.07619 | 0.36840 | 0.55700 | 1.34226 | 3.70944 |
| 49 | VOC | 1.45844 | 1.94312 | 2.60801 | 6.01905 | 0.36389 | 0.55018 | 1.32582 | 3.70944 |
| 50 | VOC | 1.45105 | 1.93513 | 2.59568 | 5.96705 | 0.35975 | 0.54392 | 1.31074 | 3.70944 |
| 51 | VOC | 1.44409 | 1.92760 | 2.58406 | 5.91992 | 0.35597 | 0.53821 | 1.29697 | 3.70944 |
| 52 | VOC | 1.43752 | 1.92049 | 2.57310 | 5.87744 | 0.35254 | 0.53302 | 1.28448 | 3.70944 |
| 53 | VOC | 1.43131 | 1.91378 | 2.56274 | 5.83940 | 0.34945 | 0.52835 | 1.27323 | 3.70944 |
| 54 | VOC | 1.42544 | 1.90743 | 2.55296 | 5.80561 | 0.34670 | 0.52419 | 1.26318 | 3.70944 |
| 55 | VOC | 1.41988 | 1.90142 | 2.54370 | 5.77592 | 0.34426 | 0.52051 | 1.25432 | 3.70944 |
| 56 | VOC | 1.46788 | 1.98318 | 2.66230 | 5.75021 | 0.34215 | 0.51731 | 1.24662 | 3.78948 |
| 57 | VOC | 1.51616 | 2.06524 | 2.78135 | 5.72837 | 0.34035 | 0.51459 | 1.24005 | 3.86952 |
| 58 | VOC | 1.56469 | 2.14757 | 2.90083 | 5.71029 | 0.33885 | 0.51233 | 1.23461 | 3.94956 |
| 59 | VOC | 1.61345 | 2.23016 | 3.02070 | 5.69593 | 0.33766 | 0.51053 | 1.23027 | 4.02960 |
| 60 | VOC | 1.66244 | 2.31298 | 3.14094 | 5.68522 | 0.33677 | 0.50918 | 1.22703 | 4.10964 |
| 61 | VOC | 1.71163 | 2.39602 | 3.26152 | 5.67813 | 0.33618 | 0.50829 | 1.22487 | 4.18968 |
| 62 | VOC | 1.76101 | 2.47928 | 3.38243 | 5.67465 | 0.33589 | 0.50784 | 1.22379 | 4.26972 |
| 63 | VOC | 1.81057 | 2.56273 | 3.50364 | 5.67480 | 0.33589 | 0.50784 | 1.22379 | 4.34976 |
| 64 | VOC | 1.86031 | 2.64636 | 3.62514 | 5.67858 | 0.33618 | 0.50829 | 1.22487 | 4.42980 |
| 65 | VOC | 1.91020 | 2.73017 | 3.74690 | 5.68605 | 0.33677 | 0.50918 | 1.22703 | 4.50984 |

# Table A-20
# Victoria 1993 CO Emission Rates
# for Time Period 3

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 134.71918 | 184.64967 | 276.88287 | 474.66986 | 5.28850 | 6.34022 | 39.08284 | 169.36147 |
| 4 CO | 102.95819 | 141.44414 | 211.69077 | 433.68549 | 4.87395 | 5.84323 | 36.01925 | 135.06932 |
| 5 CO | 83.48764 | 114.43717 | 170.38005 | 397.11246 | 4.50008 | 5.39500 | 33.25628 | 110.31872 |
| 6 CO | 70.35152 | 96.04126 | 141.97415 | 364.42456 | 4.16245 | 4.99023 | 30.76118 | 92.05479 |
| 7 CO | 60.91886 | 82.78879 | 121.37788 | 335.16388 | 3.85717 | 4.62424 | 28.50512 | 78.30249 |
| 8 CO | 53.83832 | 72.84862 | 105.86151 | 308.93152 | 3.58079 | 4.29290 | 26.46263 | 67.75388 |
| 9 CO | 48.34212 | 65.15771 | 93.82109 | 285.37943 | 3.33027 | 3.99256 | 24.61125 | 59.52335 |
| 10 CO | 43.96130 | 59.05620 | 84.25119 | 264.20346 | 3.10292 | 3.72000 | 22.93109 | 52.99877 |
| 11 CO | 40.39323 | 54.11309 | 76.49052 | 245.13760 | 2.89636 | 3.47235 | 21.40455 | 47.74881 |
| 12 CO | 37.43408 | 50.03542 | 70.08742 | 227.94849 | 2.70847 | 3.24710 | 20.01603 | 43.46417 |
| 13 CO | 34.94161 | 46.61743 | 64.72385 | 212.43152 | 2.53739 | 3.04199 | 18.75169 | 39.91936 |
| 14 CO | 32.81367 | 43.71063 | 60.17009 | 198.40683 | 2.38144 | 2.85503 | 17.59921 | 36.94757 |
| 15 CO | 30.97513 | 41.20544 | 56.25658 | 185.71617 | 2.23915 | 2.68444 | 16.54764 | 34.42372 |
| 16 CO | 29.36952 | 39.01945 | 52.85588 | 174.22009 | 2.10919 | 2.52864 | 15.58726 | 32.25294 |
| 17 CO | 27.95374 | 37.08979 | 49.87069 | 163.79565 | 1.99040 | 2.38623 | 14.70935 | 30.36254 |
| 18 CO | 26.69434 | 35.36787 | 47.22570 | 154.33408 | 1.88172 | 2.25593 | 13.90618 | 28.69637 |
| 19 CO | 25.56510 | 33.81594 | 44.86203 | 145.73933 | 1.78221 | 2.13664 | 13.17082 | 27.21087 |
| 20 CO | 24.52657 | 32.70189 | 43.25651 | 137.92630 | 1.69104 | 2.02734 | 12.49706 | 25.87202 |
| 21 CO | 23.54716 | 31.52483 | 41.68137 | 130.81966 | 1.60746 | 1.92713 | 11.87937 | 24.65329 |
| 22 CO | 22.65199 | 30.43644 | 40.24209 | 124.35242 | 1.53079 | 1.83522 | 11.31279 | 23.53402 |
| 23 CO | 21.82967 | 29.42401 | 38.91910 | 118.46524 | 1.46043 | 1.75087 | 10.79285 | 22.49811 |
| 24 CO | 21.07094 | 28.47780 | 37.69675 | 113.10533 | 1.39585 | 1.67344 | 10.31556 | 21.53315 |
| 25 CO | 20.36825 | 27.59035 | 36.56243 | 108.22579 | 1.33655 | 1.60235 | 9.87734 | 20.62967 |
| 26 CO | 19.71539 | 26.75600 | 35.50605 | 103.78481 | 1.28211 | 1.53708 | 9.47497 | 19.78042 |
| 27 CO | 19.10725 | 25.97050 | 34.51944 | 99.74528 | 1.23212 | 1.47715 | 9.10555 | 18.98004 |
| 28 CO | 18.53957 | 25.23060 | 33.59604 | 96.07410 | 1.18623 | 1.42214 | 8.76647 | 18.22454 |
| 29 CO | 18.00876 | 24.53385 | 32.73048 | 92.74184 | 1.14414 | 1.37168 | 8.45539 | 17.51104 |
| 30 CO | 17.51180 | 23.87831 | 31.91838 | 89.72232 | 1.10555 | 1.32541 | 8.17020 | 16.83742 |
| 31 CO | 17.04609 | 23.26242 | 31.15610 | 86.99231 | 1.07021 | 1.28304 | 7.90902 | 16.20221 |
| 32 CO | 16.60937 | 22.68484 | 30.44061 | 84.53111 | 1.03788 | 1.24429 | 7.67013 | 15.60430 |
| 33 CO | 16.19965 | 22.14438 | 29.76928 | 82.32044 | 1.00837 | 1.20890 | 7.45201 | 15.04284 |
| 34 CO | 15.81517 | 21.63987 | 29.13983 | 80.34418 | 0.98148 | 1.17666 | 7.25328 | 14.51719 |
| 35 CO | 15.45432 | 21.17022 | 28.55021 | 78.58806 | 0.95704 | 1.14737 | 7.07271 | 14.02666 |
| 36 CO | 15.11566 | 20.73426 | 27.99855 | 77.03960 | 0.93492 | 1.12084 | 6.90920 | 13.57059 |
| 37 CO | 14.79785 | 20.33082 | 27.48310 | 75.68800 | 0.91497 | 1.09693 | 6.76176 | 13.14826 |
| 38 CO | 14.49962 | 19.95866 | 27.00214 | 74.52388 | 0.89707 | 1.07548 | 6.62953 | 12.75879 |
| 39 CO | 14.21982 | 19.61650 | 26.55405 | 73.53928 | 0.88113 | 1.05636 | 6.51172 | 12.40120 |
| 40 CO | 13.95731 | 19.30295 | 26.13715 | 72.72752 | 0.86705 | 1.03948 | 6.40766 | 12.07429 |
| 41 CO | 13.71103 | 19.01650 | 25.74979 | 72.08310 | 0.85475 | 1.02473 | 6.31674 | 11.77662 |
| 42 CO | 13.47990 | 18.75555 | 25.39021 | 71.60175 | 0.84416 | 1.01203 | 6.23846 | 11.50662 |
| 43 CO | 13.26287 | 18.51825 | 25.05662 | 71.28028 | 0.83522 | 1.00131 | 6.17237 | 11.26235 |
| 44 CO | 13.05888 | 18.30256 | 24.74704 | 71.11650 | 0.82787 | 0.99251 | 6.11811 | 11.04165 |
| 45 CO | 12.86678 | 18.10606 | 24.45940 | 71.10941 | 0.82209 | 0.98558 | 6.07537 | 10.84196 |
| 46 CO | 12.68539 | 17.92596 | 24.19134 | 71.25890 | 0.81783 | 0.98048 | 6.04393 | 10.66041 |
| 47 CO | 12.51340 | 17.75895 | 23.94036 | 71.56596 | 0.81508 | 0.97718 | 6.02359 | 10.49365 |
| 48 CO | 12.34939 | 17.60117 | 23.70356 | 72.03267 | 0.81382 | 0.97566 | 6.01426 | 10.33789 |
| 49 CO | 12.34939 | 17.60117 | 23.70356 | 72.66209 | 0.81404 | 0.97593 | 6.01589 | 10.33789 |
| 50 CO | 12.34939 | 17.60117 | 23.70356 | 73.45844 | 0.81574 | 0.97797 | 6.02847 | 10.33789 |
| 51 CO | 12.34939 | 17.60117 | 23.70356 | 74.42706 | 0.81894 | 0.98180 | 6.05209 | 10.33789 |
| 52 CO | 12.34939 | 17.60117 | 23.70356 | 75.57455 | 0.82364 | 0.98744 | 6.08687 | 10.33789 |
| 53 CO | 12.34939 | 17.60117 | 23.70356 | 76.90874 | 0.82989 | 0.99493 | 6.13300 | 10.33789 |
| 54 CO | 12.34939 | 17.60117 | 23.70356 | 78.43887 | 0.83770 | 1.00429 | 6.19073 | 10.33789 |
| 55 CO | 12.34939 | 17.60117 | 23.70356 | 80.17564 | 0.84713 | 1.01559 | 6.26040 | 10.33789 |
| 56 CO | 14.48162 | 21.17252 | 28.78011 | 82.13135 | 0.85822 | 1.02889 | 6.34238 | 12.82756 |
| 57 CO | 16.61385 | 24.74386 | 33.85667 | 84.32004 | 0.87104 | 1.04426 | 6.43714 | 15.31723 |
| 58 CO | 18.74608 | 28.31521 | 38.93322 | 86.75774 | 0.88567 | 1.06180 | 6.54521 | 17.80689 |
| 59 CO | 20.87831 | 31.88656 | 44.00978 | 89.46252 | 0.90218 | 1.08159 | 6.66722 | 20.29656 |
| 60 CO | 23.01054 | 35.45790 | 49.08633 | 92.45479 | 0.92067 | 1.10376 | 6.80388 | 22.78623 |
| 61 CO | 25.14277 | 39.02925 | 54.16289 | 95.75757 | 0.94125 | 1.12844 | 6.95599 | 25.27589 |
| 62 CO | 27.27500 | 42.60061 | 59.23944 | 99.39677 | 0.96405 | 1.15577 | 7.12446 | 27.76556 |
| 63 CO | 29.40723 | 46.17195 | 64.31599 | 103.40154 | 0.98919 | 1.18591 | 7.31030 | 30.25523 |
| 64 CO | 31.53946 | 49.74330 | 69.39256 | 107.80453 | 1.01684 | 1.21906 | 7.51464 | 32.74489 |
| 65 CO | 33.67169 | 53.31466 | 74.46912 | 112.64258 | 1.04717 | 1.25542 | 7.73878 | 35.23456 |

# Table A-21
# Victoria 1993 NOX Emission Rates
# for Time Period 3

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 2.27549 | 2.50273 | 2.90428 | 4.58094 | 2.85117 | 3.34691 | 27.88858 | 0.81670 |
| 4 | NOX | 2.09458 | 2.30783 | 2.69752 | 4.62835 | 2.73109 | 3.20595 | 26.71399 | 0.78116 |
| 5 | NOX | 1.98482 | 2.18987 | 2.57288 | 4.67575 | 2.61978 | 3.07528 | 25.62523 | 0.75167 |
| 6 | NOX | 1.91088 | 2.11091 | 2.48980 | 4.72316 | 2.51658 | 2.95414 | 24.61577 | 0.72776 |
| 7 | NOX | 1.85760 | 2.05465 | 2.43082 | 4.77056 | 2.42088 | 2.84180 | 23.67968 | 0.70899 |
| 8 | NOX | 1.81738 | 2.01289 | 2.38717 | 4.81796 | 2.33213 | 2.73762 | 22.81156 | 0.69492 |
| 9 | NOX | 1.78599 | 1.98103 | 2.35394 | 4.86537 | 2.24982 | 2.64100 | 22.00649 | 0.68514 |
| 10 | NOX | 1.76086 | 1.95628 | 2.32817 | 4.91277 | 2.17350 | 2.55141 | 21.26000 | 0.67926 |
| 11 | NOX | 1.74037 | 1.93684 | 2.30793 | 4.96018 | 2.10276 | 2.46837 | 20.56802 | 0.67689 |
| 12 | NOX | 1.72341 | 1.92148 | 2.29192 | 5.00758 | 2.03721 | 2.39142 | 19.92683 | 0.67766 |
| 13 | NOX | 1.70921 | 1.90931 | 2.27922 | 5.05498 | 1.97651 | 2.32016 | 19.33307 | 0.68122 |
| 14 | NOX | 1.69721 | 1.89971 | 2.26915 | 5.10239 | 1.92034 | 2.25423 | 18.78366 | 0.68725 |
| 15 | NOX | 1.68699 | 1.89219 | 2.26121 | 5.14979 | 1.86842 | 2.19328 | 18.27579 | 0.69542 |
| 16 | NOX | 1.67825 | 1.88636 | 2.25501 | 5.19720 | 1.82048 | 2.13701 | 17.80692 | 0.70543 |
| 17 | NOX | 1.67072 | 1.88193 | 2.25023 | 5.24460 | 1.77630 | 2.08514 | 17.37474 | 0.71700 |
| 18 | NOX | 1.66423 | 1.87866 | 2.24663 | 5.29200 | 1.73565 | 2.03743 | 16.97713 | 0.72986 |
| 19 | NOX | 1.65861 | 1.87634 | 2.24399 | 5.33941 | 1.69834 | 1.99363 | 16.61220 | 0.74376 |
| 20 | NOX | 1.65939 | 1.87983 | 2.25034 | 5.38681 | 1.66419 | 1.95355 | 16.27821 | 0.75846 |
| 21 | NOX | 1.66941 | 1.89657 | 2.27210 | 5.43421 | 1.63305 | 1.91699 | 15.97360 | 0.77375 |
| 22 | NOX | 1.67868 | 1.91222 | 2.29233 | 5.48162 | 1.60477 | 1.88379 | 15.69696 | 0.78941 |
| 23 | NOX | 1.68729 | 1.92690 | 2.31118 | 5.52902 | 1.57922 | 1.85380 | 15.44704 | 0.80527 |
| 24 | NOX | 1.69533 | 1.94070 | 2.32880 | 5.57643 | 1.55628 | 1.82688 | 15.22269 | 0.82115 |
| 25 | NOX | 1.70286 | 1.95368 | 2.34532 | 5.62383 | 1.53586 | 1.80290 | 15.02292 | 0.83690 |
| 26 | NOX | 1.70993 | 1.96591 | 2.36083 | 5.67123 | 1.51786 | 1.78177 | 14.84684 | 0.85237 |
| 27 | NOX | 1.71659 | 1.97743 | 2.37542 | 5.71864 | 1.50220 | 1.76339 | 14.69368 | 0.86746 |
| 28 | NOX | 1.72289 | 1.98830 | 2.38917 | 5.76604 | 1.48882 | 1.74768 | 14.56275 | 0.88205 |
| 29 | NOX | 1.72885 | 1.99854 | 2.40214 | 5.81345 | 1.47765 | 1.73457 | 14.45351 | 0.89605 |
| 30 | NOX | 1.73451 | 2.00820 | 2.41439 | 5.86085 | 1.46865 | 1.72400 | 14.36547 | 0.90939 |
| 31 | NOX | 1.73990 | 2.01732 | 2.42599 | 5.90825 | 1.46177 | 1.71593 | 14.29825 | 0.92201 |
| 32 | NOX | 1.74504 | 2.02591 | 2.43699 | 5.95566 | 1.45700 | 1.71033 | 14.25157 | 0.93388 |
| 33 | NOX | 1.74996 | 2.03403 | 2.44743 | 6.00306 | 1.45431 | 1.70717 | 14.22523 | 0.94496 |
| 34 | NOX | 1.75469 | 2.04170 | 2.45738 | 6.05047 | 1.45368 | 1.70644 | 14.21912 | 0.95526 |
| 35 | NOX | 1.75924 | 2.04895 | 2.46687 | 6.09787 | 1.45512 | 1.70813 | 14.23320 | 0.96477 |
| 36 | NOX | 1.76363 | 2.05582 | 2.47595 | 6.14527 | 1.45863 | 1.71225 | 14.26754 | 0.97353 |
| 37 | NOX | 1.76789 | 2.06236 | 2.48469 | 6.19268 | 1.46423 | 1.71882 | 14.32229 | 0.98157 |
| 38 | NOX | 1.77204 | 2.06859 | 2.49313 | 6.24008 | 1.47194 | 1.72787 | 14.39768 | 0.98896 |
| 39 | NOX | 1.77610 | 2.07456 | 2.50132 | 6.28748 | 1.48179 | 1.73943 | 14.49404 | 0.99576 |
| 40 | NOX | 1.78010 | 2.08031 | 2.50931 | 6.33489 | 1.49383 | 1.75356 | 14.61177 | 1.00206 |
| 41 | NOX | 1.78405 | 2.08589 | 2.51717 | 6.38229 | 1.50810 | 1.77031 | 14.75139 | 1.00798 |
| 42 | NOX | 1.78798 | 2.09135 | 2.52496 | 6.42970 | 1.52467 | 1.78977 | 14.91351 | 1.01363 |
| 43 | NOX | 1.79192 | 2.09674 | 2.53273 | 6.47710 | 1.54362 | 1.81201 | 15.09883 | 1.01915 |
| 44 | NOX | 1.79588 | 2.10211 | 2.54054 | 6.52450 | 1.56502 | 1.83713 | 15.30818 | 1.02470 |
| 45 | NOX | 1.79990 | 2.10753 | 2.54847 | 6.57191 | 1.58898 | 1.86525 | 15.54248 | 1.03044 |
| 46 | NOX | 1.80400 | 2.11306 | 2.55659 | 6.61931 | 1.61559 | 1.89649 | 15.80280 | 1.03657 |
| 47 | NOX | 1.80821 | 2.11876 | 2.56496 | 6.66672 | 1.64498 | 1.93100 | 16.09031 | 1.04329 |
| 48 | NOX | 1.81257 | 2.12470 | 2.57367 | 6.71412 | 1.67729 | 1.96892 | 16.40633 | 1.05082 |
| 49 | NOX | 1.88564 | 2.21111 | 2.68418 | 6.76152 | 1.71267 | 2.01045 | 16.75233 | 1.08504 |
| 50 | NOX | 1.95871 | 2.29752 | 2.79469 | 6.80893 | 1.75127 | 2.05576 | 17.12993 | 1.11926 |
| 51 | NOX | 2.03179 | 2.38393 | 2.90521 | 6.85633 | 1.79329 | 2.10509 | 17.54093 | 1.15347 |
| 52 | NOX | 2.10486 | 2.47034 | 3.01572 | 6.90374 | 1.83892 | 2.15866 | 17.98732 | 1.18769 |
| 53 | NOX | 2.17794 | 2.55674 | 3.12623 | 6.95114 | 1.88840 | 2.21674 | 18.47128 | 1.22191 |
| 54 | NOX | 2.25101 | 2.64315 | 3.23675 | 6.99854 | 1.94197 | 2.27962 | 18.99522 | 1.25613 |
| 55 | NOX | 2.32409 | 2.72956 | 3.34726 | 7.04595 | 1.99989 | 2.34761 | 19.56177 | 1.29034 |
| 56 | NOX | 2.39716 | 2.81597 | 3.45778 | 7.09335 | 2.06246 | 2.42106 | 20.17385 | 1.32456 |
| 57 | NOX | 2.47023 | 2.90238 | 3.56829 | 7.14076 | 2.13002 | 2.50037 | 20.83464 | 1.35878 |
| 58 | NOX | 2.54331 | 2.98879 | 3.67880 | 7.18816 | 2.20291 | 2.58594 | 21.54766 | 1.39300 |
| 59 | NOX | 2.61638 | 3.07520 | 3.78932 | 7.23556 | 2.28154 | 2.67823 | 22.31674 | 1.42721 |
| 60 | NOX | 2.68946 | 3.16161 | 3.89983 | 7.28297 | 2.36633 | 2.77777 | 23.14612 | 1.46143 |
| 61 | NOX | 2.76253 | 3.24802 | 4.01034 | 7.33037 | 2.45776 | 2.88509 | 24.04044 | 1.49565 |
| 62 | NOX | 2.83561 | 3.33443 | 4.12086 | 7.37778 | 2.55635 | 3.00082 | 25.00478 | 1.52986 |
| 63 | NOX | 2.90868 | 3.42084 | 4.23137 | 7.42518 | 2.66267 | 3.12563 | 26.04477 | 1.56408 |
| 64 | NOX | 2.98176 | 3.50725 | 4.34188 | 7.47258 | 2.77736 | 3.26026 | 27.16657 | 1.59830 |
| 65 | NOX | 3.05483 | 3.59366 | 4.45240 | 7.51999 | 2.90110 | 3.40552 | 28.37695 | 1.63252 |

# Table A-22
# Victoria 1993 VOC Emission Rates
# for Time Period 4

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 13.69908 | 17.20625 | 25.24055 | 35.74345 | 1.59459 | 2.41093 | 5.80984 | 10.72576 |
| 4 | VOC | 9.83002 | 12.54881 | 18.31695 | 28.45402 | 1.51391 | 2.28895 | 5.51589 | 9.08640 |
| 5 | VOC | 7.69999 | 9.91903 | 14.38828 | 24.26892 | 1.43858 | 2.17505 | 5.24143 | 7.87221 |
| 6 | VOC | 6.35956 | 8.23428 | 11.86265 | 21.40464 | 1.36820 | 2.06864 | 4.98500 | 6.95575 |
| 7 | VOC | 5.44200 | 7.06714 | 10.11001 | 19.23610 | 1.30241 | 1.96917 | 4.74529 | 6.25204 |
| 8 | VOC | 4.86979 | 6.31654 | 8.96719 | 17.72492 | 1.24087 | 1.87613 | 4.52109 | 5.70320 |
| 9 | VOC | 4.42913 | 5.73404 | 8.08460 | 16.42542 | 1.18329 | 1.78906 | 4.31127 | 5.26899 |
| 10 | VOC | 4.07169 | 5.26013 | 7.37293 | 15.27291 | 1.12937 | 1.70754 | 4.11481 | 4.92089 |
| 11 | VOC | 3.77496 | 4.86569 | 6.78671 | 14.24449 | 1.07885 | 1.63116 | 3.93076 | 4.63835 |
| 12 | VOC | 3.52381 | 4.53092 | 6.29487 | 13.32248 | 1.03150 | 1.55957 | 3.75825 | 4.40630 |
| 13 | VOC | 3.30768 | 4.24192 | 5.87548 | 12.49273 | 0.98710 | 1.49244 | 3.59647 | 4.21352 |
| 14 | VOC | 3.11900 | 3.98862 | 5.51268 | 11.74364 | 0.94544 | 1.42945 | 3.44469 | 4.05156 |
| 15 | VOC | 2.95219 | 3.76360 | 5.19474 | 11.06553 | 0.90634 | 1.37033 | 3.30221 | 3.91393 |
| 16 | VOC | 2.80305 | 3.56125 | 4.91279 | 10.45018 | 0.86962 | 1.31481 | 3.16842 | 3.79564 |
| 17 | VOC | 2.66837 | 3.37730 | 4.66008 | 9.89058 | 0.83512 | 1.26265 | 3.04272 | 3.69277 |
| 18 | VOC | 2.54567 | 3.20842 | 4.43133 | 9.38064 | 0.80269 | 1.21362 | 2.92459 | 3.60226 |
| 19 | VOC | 2.43299 | 3.05202 | 4.22243 | 8.91510 | 0.77221 | 1.16753 | 2.81351 | 3.52168 |
| 20 | VOC | 2.33126 | 2.93470 | 4.06635 | 8.49407 | 0.74353 | 1.12418 | 2.70904 | 3.44909 |
| 21 | VOC | 2.24582 | 2.83317 | 3.92126 | 8.11586 | 0.71655 | 1.08339 | 2.61074 | 3.38299 |
| 22 | VOC | 2.16751 | 2.73975 | 3.78841 | 7.76982 | 0.69116 | 1.04499 | 2.51822 | 3.32216 |
| 23 | VOC | 2.09537 | 2.65334 | 3.66608 | 7.45281 | 0.66725 | 1.00885 | 2.43112 | 3.26566 |
| 24 | VOC | 2.02863 | 2.57305 | 3.55288 | 7.16203 | 0.64474 | 0.97481 | 2.34910 | 3.21276 |
| 25 | VOC | 1.96662 | 2.49815 | 3.44767 | 6.89501 | 0.62354 | 0.94276 | 2.27185 | 3.16289 |
| 26 | VOC | 1.90883 | 2.42807 | 3.34953 | 6.64952 | 0.60356 | 0.91255 | 2.19907 | 3.11563 |
| 27 | VOC | 1.85480 | 2.36234 | 3.25772 | 6.42361 | 0.58474 | 0.88410 | 2.13049 | 3.07068 |
| 28 | VOC | 1.80414 | 2.30058 | 3.17161 | 6.21551 | 0.56701 | 0.85728 | 2.06587 | 3.02784 |
| 29 | VOC | 1.75654 | 2.24247 | 3.09071 | 6.02365 | 0.55029 | 0.83201 | 2.00498 | 2.98697 |
| 30 | VOC | 1.71172 | 2.18776 | 3.01460 | 5.84661 | 0.53454 | 0.80820 | 1.94759 | 2.94798 |
| 31 | VOC | 1.66945 | 2.13622 | 2.94293 | 5.68312 | 0.51970 | 0.78576 | 1.89351 | 2.91086 |
| 32 | VOC | 1.62951 | 2.08768 | 2.87541 | 5.53206 | 0.50571 | 0.76461 | 1.84256 | 2.87559 |
| 33 | VOC | 1.59173 | 2.04195 | 2.81178 | 5.39238 | 0.49254 | 0.74469 | 1.79455 | 2.84221 |
| 34 | VOC | 1.55596 | 1.99889 | 2.75182 | 5.26318 | 0.48013 | 0.72592 | 1.74933 | 2.81074 |
| 35 | VOC | 1.52203 | 1.95838 | 2.69535 | 5.14361 | 0.46844 | 0.70826 | 1.70675 | 2.78123 |
| 36 | VOC | 1.48984 | 1.92028 | 2.64217 | 5.03293 | 0.45744 | 0.69163 | 1.66668 | 2.75372 |
| 37 | VOC | 1.45926 | 1.88447 | 2.59213 | 4.93047 | 0.44710 | 0.67598 | 1.62898 | 2.72825 |
| 38 | VOC | 1.43019 | 1.85084 | 2.54507 | 4.83560 | 0.43737 | 0.66127 | 1.59353 | 2.70484 |
| 39 | VOC | 1.40253 | 1.81927 | 2.50084 | 4.74778 | 0.42823 | 0.64745 | 1.56023 | 2.68350 |
| 40 | VOC | 1.37619 | 1.78965 | 2.45930 | 4.66651 | 0.41965 | 0.63448 | 1.52897 | 2.66422 |
| 41 | VOC | 1.35108 | 1.76187 | 2.42029 | 4.59135 | 0.41160 | 0.62232 | 1.49965 | 2.64698 |
| 42 | VOC | 1.32711 | 1.73581 | 2.38366 | 4.52187 | 0.40406 | 0.61092 | 1.47219 | 2.63172 |
| 43 | VOC | 1.30422 | 1.71134 | 2.34927 | 4.45772 | 0.39701 | 0.60026 | 1.44651 | 2.61838 |
| 44 | VOC | 1.28232 | 1.68835 | 2.31695 | 4.39856 | 0.39043 | 0.59031 | 1.42252 | 2.60682 |
| 45 | VOC | 1.26133 | 1.66668 | 2.28652 | 4.34410 | 0.38430 | 0.58103 | 1.40017 | 2.59690 |
| 46 | VOC | 1.24118 | 1.64618 | 2.25781 | 4.29406 | 0.37859 | 0.57240 | 1.37938 | 2.58844 |
| 47 | VOC | 1.22178 | 1.62669 | 2.23060 | 4.24822 | 0.37330 | 0.56440 | 1.36009 | 2.58118 |
| 48 | VOC | 1.20325 | 1.60803 | 2.20454 | 4.20589 | 0.36840 | 0.55700 | 1.34226 | 2.57485 |
| 49 | VOC | 1.19908 | 1.60353 | 2.19771 | 4.16357 | 0.36389 | 0.55018 | 1.32582 | 2.57485 |
| 50 | VOC | 1.19515 | 1.59929 | 2.19127 | 4.12537 | 0.35975 | 0.54392 | 1.31074 | 2.57485 |
| 51 | VOC | 1.19144 | 1.59530 | 2.18520 | 4.09110 | 0.35597 | 0.53821 | 1.29697 | 2.57485 |
| 52 | VOC | 1.18794 | 1.59153 | 2.17947 | 4.06059 | 0.35254 | 0.53302 | 1.28448 | 2.57485 |
| 53 | VOC | 1.18463 | 1.58796 | 2.17406 | 4.03368 | 0.34945 | 0.52835 | 1.27323 | 2.57485 |
| 54 | VOC | 1.18150 | 1.58458 | 2.16895 | 4.01026 | 0.34670 | 0.52419 | 1.26318 | 2.57485 |
| 55 | VOC | 1.17853 | 1.58139 | 2.16410 | 3.99020 | 0.34426 | 0.52051 | 1.25432 | 2.57485 |
| 56 | VOC | 1.22566 | 1.65772 | 2.28010 | 3.97343 | 0.34215 | 0.51731 | 1.24662 | 2.65565 |
| 57 | VOC | 1.27293 | 1.73421 | 2.39634 | 3.95986 | 0.34035 | 0.51459 | 1.24005 | 2.73644 |
| 58 | VOC | 1.32034 | 1.81085 | 2.51279 | 3.94943 | 0.33885 | 0.51233 | 1.23461 | 2.81723 |
| 59 | VOC | 1.36788 | 1.88761 | 2.62945 | 3.94211 | 0.33766 | 0.51053 | 1.23027 | 2.89803 |
| 60 | VOC | 1.41552 | 1.96451 | 2.74630 | 3.93787 | 0.33677 | 0.50918 | 1.22703 | 2.97882 |
| 61 | VOC | 1.46328 | 2.04152 | 2.86333 | 3.93670 | 0.33618 | 0.50829 | 1.22487 | 3.05962 |
| 62 | VOC | 1.51114 | 2.11864 | 2.98053 | 3.93860 | 0.33589 | 0.50784 | 1.22379 | 3.14041 |
| 63 | VOC | 1.55909 | 2.19586 | 3.09788 | 3.94361 | 0.33589 | 0.50784 | 1.22379 | 3.22121 |
| 64 | VOC | 1.60714 | 2.27318 | 3.21538 | 3.95175 | 0.33618 | 0.50829 | 1.22487 | 3.30200 |
| 65 | VOC | 1.65527 | 2.35059 | 3.33302 | 3.96308 | 0.33677 | 0.50918 | 1.22703 | 3.38280 |

# Table A-23
# Victoria 1993 CO Emission Rates
# for Time Period 4

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 117.99172 | 154.62411 | 238.64648 | 375.29150 | 5.28850 | 6.34022 | 39.08284 | 140.47540 |
| 4 CO | 90.23723 | 118.44644 | 182.67279 | 342.88770 | 4.87395 | 5.84323 | 36.01925 | 112.03207 |
| 5 CO | 73.25832 | 95.91264 | 147.17365 | 313.97174 | 4.50008 | 5.39500 | 33.25628 | 91.50290 |
| 6 CO | 61.81474 | 80.58695 | 122.74798 | 288.12750 | 4.16245 | 4.99023 | 30.76118 | 76.35404 |
| 7 CO | 53.59990 | 69.54938 | 105.02897 | 264.99292 | 3.85717 | 4.62424 | 28.50512 | 64.94732 |
| 8 CO | 47.43261 | 61.26656 | 91.67549 | 244.25264 | 3.58079 | 4.29290 | 26.46263 | 56.19786 |
| 9 CO | 42.64332 | 54.85209 | 81.31088 | 225.63148 | 3.33027 | 3.99256 | 24.61125 | 49.37113 |
| 10 CO | 38.82379 | 49.75728 | 73.07166 | 208.88901 | 3.10292 | 3.72000 | 22.93109 | 43.95937 |
| 11 CO | 35.71096 | 45.62460 | 66.38959 | 193.81480 | 2.89636 | 3.47235 | 21.40455 | 39.60484 |
| 12 CO | 33.12776 | 42.21136 | 60.87631 | 180.22449 | 2.70847 | 3.24710 | 20.01603 | 36.05098 |
| 13 CO | 30.95078 | 39.34732 | 56.25826 | 167.95621 | 2.53739 | 3.04199 | 18.75169 | 33.11077 |
| 14 CO | 29.09140 | 36.90974 | 52.33778 | 156.86777 | 2.38144 | 2.85503 | 17.59921 | 30.64584 |
| 15 CO | 27.48447 | 34.80806 | 48.96891 | 146.83406 | 2.23915 | 2.68444 | 16.54764 | 28.55246 |
| 16 CO | 26.08103 | 32.97421 | 46.04192 | 137.74484 | 2.10919 | 2.52864 | 15.58726 | 26.75192 |
| 17 CO | 24.84370 | 31.35622 | 43.47303 | 129.50288 | 1.99040 | 2.38623 | 14.70935 | 25.18394 |
| 18 CO | 23.74347 | 29.91391 | 41.19735 | 122.02222 | 1.88172 | 2.25593 | 13.90618 | 23.80196 |
| 19 CO | 22.75754 | 28.61597 | 39.16414 | 115.22690 | 1.78221 | 2.13664 | 13.17082 | 22.56982 |
| 20 CO | 21.84579 | 27.67345 | 37.76141 | 109.04962 | 1.69104 | 2.02734 | 12.49706 | 21.45932 |
| 21 CO | 20.98059 | 26.66770 | 36.38434 | 103.43085 | 1.60746 | 1.92713 | 11.87937 | 20.44845 |
| 22 CO | 20.19072 | 25.74071 | 35.12649 | 98.31760 | 1.53079 | 1.83522 | 11.31279 | 19.52009 |
| 23 CO | 19.46604 | 24.88137 | 33.97067 | 93.66299 | 1.46043 | 1.75087 | 10.79285 | 18.66086 |
| 24 CO | 18.79828 | 24.08097 | 32.90313 | 89.42525 | 1.39585 | 1.67344 | 10.31556 | 17.86049 |
| 25 CO | 18.18065 | 23.33277 | 31.91279 | 85.56731 | 1.33655 | 1.60235 | 9.87734 | 17.11110 |
| 26 CO | 17.60753 | 22.63149 | 30.99075 | 82.05609 | 1.28211 | 1.53708 | 9.47497 | 16.40670 |
| 27 CO | 17.07426 | 21.97305 | 30.12981 | 78.86229 | 1.23212 | 1.47715 | 9.10555 | 15.74283 |
| 28 CO | 16.57694 | 21.35423 | 29.32415 | 75.95972 | 1.18623 | 1.42214 | 8.76647 | 15.11619 |
| 29 CO | 16.11228 | 20.77250 | 28.56905 | 73.32513 | 1.14414 | 1.37168 | 8.45539 | 14.52438 |
| 30 CO | 15.67748 | 20.22583 | 27.86060 | 70.93778 | 1.10555 | 1.32541 | 8.17020 | 13.96566 |
| 31 CO | 15.27013 | 19.71253 | 27.19559 | 68.77933 | 1.07021 | 1.28304 | 7.90902 | 13.43878 |
| 32 CO | 14.88813 | 19.23113 | 26.57133 | 66.83342 | 1.03788 | 1.24429 | 7.67013 | 12.94285 |
| 33 CO | 14.52964 | 18.78034 | 25.98549 | 65.08559 | 1.00837 | 1.20890 | 7.45201 | 12.47716 |
| 34 CO | 14.19304 | 18.35896 | 25.43605 | 63.52307 | 0.98148 | 1.17666 | 7.25328 | 12.04116 |
| 35 CO | 13.87685 | 17.96588 | 24.92120 | 62.13461 | 0.95704 | 1.14737 | 7.07271 | 11.63429 |
| 36 CO | 13.57974 | 17.59996 | 24.43930 | 60.91035 | 0.93492 | 1.12084 | 6.90920 | 11.25600 |
| 37 CO | 13.30051 | 17.26011 | 23.98881 | 59.84172 | 0.91497 | 1.09693 | 6.76176 | 10.90571 |
| 38 CO | 13.03803 | 16.94523 | 23.56825 | 58.92134 | 0.89707 | 1.07548 | 6.62953 | 10.58267 |
| 39 CO | 12.79125 | 16.65418 | 23.17619 | 58.14287 | 0.88113 | 1.05636 | 6.51172 | 10.28607 |
| 40 CO | 12.55918 | 16.38581 | 22.81117 | 57.50105 | 0.86705 | 1.03948 | 6.40766 | 10.01491 |
| 41 CO | 12.34090 | 16.13888 | 22.47177 | 56.99156 | 0.85475 | 1.02473 | 6.31674 | 9.76801 |
| 42 CO | 12.13548 | 15.91208 | 22.15649 | 56.61098 | 0.84416 | 1.01203 | 6.23846 | 9.54406 |
| 43 CO | 11.94204 | 15.70400 | 21.86376 | 56.35682 | 0.83522 | 1.00131 | 6.17237 | 9.34146 |
| 44 CO | 11.75968 | 15.51304 | 21.59189 | 56.22734 | 0.82787 | 0.99251 | 6.11811 | 9.15840 |
| 45 CO | 11.58748 | 15.33740 | 21.33912 | 56.22172 | 0.82209 | 0.98558 | 6.07537 | 8.99277 |
| 46 CO | 11.42449 | 15.17500 | 21.10342 | 56.33990 | 0.81783 | 0.98048 | 6.04393 | 8.84219 |
| 47 CO | 11.26967 | 15.02341 | 20.88266 | 56.58269 | 0.81508 | 0.97718 | 6.02359 | 8.70386 |
| 48 CO | 11.12194 | 14.87983 | 20.67435 | 56.95168 | 0.81382 | 0.97566 | 6.01426 | 8.57468 |
| 49 CO | 11.12194 | 14.87983 | 20.67435 | 57.44933 | 0.81404 | 0.97593 | 6.01589 | 8.57468 |
| 50 CO | 11.12194 | 14.87983 | 20.67435 | 58.07895 | 0.81574 | 0.97797 | 6.02847 | 8.57468 |
| 51 CO | 11.12194 | 14.87983 | 20.67435 | 58.84479 | 0.81894 | 0.98180 | 6.05209 | 8.57468 |
| 52 CO | 11.12194 | 14.87983 | 20.67435 | 59.75203 | 0.82364 | 0.98744 | 6.08687 | 8.57468 |
| 53 CO | 11.12194 | 14.87983 | 20.67435 | 60.80690 | 0.82989 | 0.99493 | 6.13300 | 8.57468 |
| 54 CO | 11.12194 | 14.87983 | 20.67435 | 62.01667 | 0.83770 | 1.00429 | 6.19073 | 8.57468 |
| 55 CO | 11.12194 | 14.87983 | 20.67435 | 63.38982 | 0.84713 | 1.01559 | 6.26040 | 8.57468 |
| 56 CO | 12.98053 | 17.81359 | 25.04657 | 64.93607 | 0.85822 | 1.02889 | 6.34238 | 10.63971 |
| 57 CO | 14.83912 | 20.74735 | 29.41879 | 66.66655 | 0.87104 | 1.04426 | 6.43714 | 12.70474 |
| 58 CO | 16.69770 | 23.68111 | 33.79101 | 68.59387 | 0.88567 | 1.06180 | 6.54521 | 14.76977 |
| 59 CO | 18.55629 | 26.61487 | 38.16323 | 70.73236 | 0.90218 | 1.08159 | 6.66722 | 16.83480 |
| 60 CO | 20.41488 | 29.54863 | 42.53544 | 73.09816 | 0.92067 | 1.10376 | 6.80388 | 18.89984 |
| 61 CO | 22.27347 | 32.48239 | 46.90767 | 75.70947 | 0.94125 | 1.12844 | 6.95599 | 20.96487 |
| 62 CO | 24.13206 | 35.41615 | 51.27989 | 78.58677 | 0.96405 | 1.15577 | 7.12446 | 23.02990 |
| 63 CO | 25.99065 | 38.34991 | 55.65210 | 81.75306 | 0.98919 | 1.18591 | 7.31030 | 25.09493 |
| 64 CO | 27.84924 | 41.28367 | 60.02432 | 85.23424 | 1.01684 | 1.21906 | 7.51464 | 27.15997 |
| 65 CO | 29.70782 | 44.21743 | 64.39654 | 89.05937 | 1.04717 | 1.25542 | 7.73878 | 29.22500 |

# Table A-24
# Victoria 1993 NOX Emission Rates
# for Time Period 4

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 2.29897 | 2.55603 | 3.01772 | 4.88241 | 2.85117 | 3.34691 | 27.88858 | 0.89063 |
| 4 | NOX | 2.11914 | 2.35957 | 2.80871 | 4.93294 | 2.73109 | 3.20595 | 26.71399 | 0.85187 |
| 5 | NOX | 2.00971 | 2.24047 | 2.68267 | 4.98346 | 2.61978 | 3.07528 | 25.62523 | 0.81971 |
| 6 | NOX | 1.93579 | 2.16065 | 2.59867 | 5.03398 | 2.51658 | 2.95414 | 24.61577 | 0.79364 |
| 7 | NOX | 1.88237 | 2.10374 | 2.53910 | 5.08451 | 2.42088 | 2.84180 | 23.67968 | 0.77317 |
| 8 | NOX | 1.84195 | 2.06149 | 2.49511 | 5.13503 | 2.33213 | 2.73762 | 22.81156 | 0.75783 |
| 9 | NOX | 1.81032 | 2.02928 | 2.46174 | 5.18555 | 2.24982 | 2.64100 | 22.00649 | 0.74717 |
| 10 | NOX | 1.78495 | 2.00430 | 2.43598 | 5.23608 | 2.17350 | 2.55141 | 21.26000 | 0.74075 |
| 11 | NOX | 1.76423 | 1.98473 | 2.41588 | 5.28660 | 2.10276 | 2.46837 | 20.56802 | 0.73817 |
| 12 | NOX | 1.74706 | 1.96932 | 2.40011 | 5.33712 | 2.03721 | 2.39142 | 19.92683 | 0.73901 |
| 13 | NOX | 1.73266 | 1.95719 | 2.38775 | 5.38765 | 1.97651 | 2.32016 | 19.33307 | 0.74289 |
| 14 | NOX | 1.72050 | 1.94769 | 2.37810 | 5.43817 | 1.92034 | 2.25423 | 18.78366 | 0.74946 |
| 15 | NOX | 1.71014 | 1.94032 | 2.37064 | 5.48869 | 1.86842 | 2.19328 | 18.27579 | 0.75837 |
| 16 | NOX | 1.70128 | 1.93470 | 2.36496 | 5.53922 | 1.82048 | 2.13701 | 17.80692 | 0.76929 |
| 17 | NOX | 1.69367 | 1.93052 | 2.36076 | 5.58974 | 1.77630 | 2.08514 | 17.37474 | 0.78191 |
| 18 | NOX | 1.68711 | 1.92753 | 2.35776 | 5.64027 | 1.73565 | 2.03743 | 16.97713 | 0.79594 |
| 19 | NOX | 1.68144 | 1.92553 | 2.35576 | 5.69079 | 1.69834 | 1.99363 | 16.61220 | 0.81109 |
| 20 | NOX | 1.68213 | 1.92963 | 2.36311 | 5.74131 | 1.66419 | 1.95355 | 16.27821 | 0.82713 |
| 21 | NOX | 1.69197 | 1.94703 | 2.38598 | 5.79184 | 1.63305 | 1.91699 | 15.97360 | 0.84380 |
| 22 | NOX | 1.70110 | 1.96334 | 2.40728 | 5.84236 | 1.60477 | 1.88379 | 15.69696 | 0.86088 |
| 23 | NOX | 1.70961 | 1.97867 | 2.42718 | 5.89288 | 1.57922 | 1.85380 | 15.44704 | 0.87817 |
| 24 | NOX | 1.71757 | 1.99309 | 2.44582 | 5.94341 | 1.55628 | 1.82688 | 15.22269 | 0.89549 |
| 25 | NOX | 1.72505 | 2.00668 | 2.46332 | 5.99393 | 1.53586 | 1.80290 | 15.02292 | 0.91266 |
| 26 | NOX | 1.73210 | 2.01950 | 2.47978 | 6.04445 | 1.51786 | 1.78177 | 14.84684 | 0.92954 |
| 27 | NOX | 1.73876 | 2.03160 | 2.49529 | 6.09498 | 1.50220 | 1.76339 | 14.69368 | 0.94599 |
| 28 | NOX | 1.74508 | 2.04302 | 2.50992 | 6.14550 | 1.48882 | 1.74768 | 14.56275 | 0.96190 |
| 29 | NOX | 1.75108 | 2.05380 | 2.52375 | 6.19602 | 1.47765 | 1.73457 | 14.45351 | 0.97717 |
| 30 | NOX | 1.75680 | 2.06398 | 2.53683 | 6.24655 | 1.46865 | 1.72400 | 14.36547 | 0.99171 |
| 31 | NOX | 1.76227 | 2.07359 | 2.54924 | 6.29707 | 1.46177 | 1.71593 | 14.29825 | 1.00548 |
| 32 | NOX | 1.76752 | 2.08267 | 2.56101 | 6.34760 | 1.45700 | 1.71033 | 14.25157 | 1.01842 |
| 33 | NOX | 1.77256 | 2.09125 | 2.57221 | 6.39812 | 1.45431 | 1.70717 | 14.22523 | 1.03051 |
| 34 | NOX | 1.77742 | 2.09937 | 2.58289 | 6.44864 | 1.45368 | 1.70644 | 14.21912 | 1.04174 |
| 35 | NOX | 1.78212 | 2.10707 | 2.59311 | 6.49917 | 1.45512 | 1.70813 | 14.23320 | 1.05211 |
| 36 | NOX | 1.78669 | 2.11437 | 2.60291 | 6.54969 | 1.45863 | 1.71225 | 14.26754 | 1.06166 |
| 37 | NOX | 1.79115 | 2.12132 | 2.61235 | 6.60021 | 1.46423 | 1.71882 | 14.32229 | 1.07043 |
| 38 | NOX | 1.79552 | 2.12796 | 2.62150 | 6.65074 | 1.47194 | 1.72787 | 14.39768 | 1.07849 |
| 39 | NOX | 1.79983 | 2.13434 | 2.63040 | 6.70126 | 1.48179 | 1.73943 | 14.49404 | 1.08590 |
| 40 | NOX | 1.80409 | 2.14050 | 2.63912 | 6.75178 | 1.49383 | 1.75356 | 14.61177 | 1.09278 |
| 41 | NOX | 1.80834 | 2.14650 | 2.64772 | 6.80231 | 1.50810 | 1.77031 | 14.75139 | 1.09923 |
| 42 | NOX | 1.81259 | 2.15239 | 2.65627 | 6.85283 | 1.52467 | 1.78977 | 14.91351 | 1.10539 |
| 43 | NOX | 1.81688 | 2.15822 | 2.66484 | 6.90335 | 1.54362 | 1.81201 | 15.09883 | 1.11141 |
| 44 | NOX | 1.82122 | 2.16405 | 2.67350 | 6.95388 | 1.56502 | 1.83713 | 15.30818 | 1.11746 |
| 45 | NOX | 1.82566 | 2.16996 | 2.68232 | 7.00440 | 1.58898 | 1.86525 | 15.54248 | 1.12373 |
| 46 | NOX | 1.83022 | 2.17600 | 2.69139 | 7.05493 | 1.61559 | 1.89649 | 15.80280 | 1.13041 |
| 47 | NOX | 1.83493 | 2.18225 | 2.70079 | 7.10545 | 1.64498 | 1.93100 | 16.09031 | 1.13774 |
| 48 | NOX | 1.83982 | 2.18879 | 2.71060 | 7.15597 | 1.67729 | 1.96892 | 16.40633 | 1.14595 |
| 49 | NOX | 1.91430 | 2.27797 | 2.82739 | 7.20650 | 1.71267 | 2.01045 | 16.75233 | 1.18327 |
| 50 | NOX | 1.98878 | 2.36714 | 2.94417 | 7.25702 | 1.75127 | 2.05576 | 17.12993 | 1.22058 |
| 51 | NOX | 2.06325 | 2.45632 | 3.06095 | 7.30754 | 1.79329 | 2.10509 | 17.54093 | 1.25790 |
| 52 | NOX | 2.13773 | 2.54550 | 3.17774 | 7.35807 | 1.83892 | 2.15866 | 17.98732 | 1.29521 |
| 53 | NOX | 2.21221 | 2.63468 | 3.29452 | 7.40859 | 1.88840 | 2.21674 | 18.47128 | 1.33253 |
| 54 | NOX | 2.28668 | 2.72386 | 3.41131 | 7.45911 | 1.94197 | 2.27962 | 18.99522 | 1.36984 |
| 55 | NOX | 2.36116 | 2.81304 | 3.52809 | 7.50964 | 1.99989 | 2.34761 | 19.56177 | 1.40716 |
| 56 | NOX | 2.43564 | 2.90222 | 3.64488 | 7.56016 | 2.06246 | 2.42106 | 20.17385 | 1.44447 |
| 57 | NOX | 2.51011 | 2.99140 | 3.76166 | 7.61068 | 2.13002 | 2.50037 | 20.83464 | 1.48179 |
| 58 | NOX | 2.58459 | 3.08058 | 3.87844 | 7.66121 | 2.20291 | 2.58594 | 21.54766 | 1.51910 |
| 59 | NOX | 2.65907 | 3.16976 | 3.99523 | 7.71173 | 2.28154 | 2.67823 | 22.31674 | 1.55642 |
| 60 | NOX | 2.73355 | 3.25894 | 4.11201 | 7.76226 | 2.36633 | 2.77777 | 23.14612 | 1.59373 |
| 61 | NOX | 2.80802 | 3.34812 | 4.22880 | 7.81278 | 2.45776 | 2.88509 | 24.04044 | 1.63105 |
| 62 | NOX | 2.88250 | 3.43730 | 4.34558 | 7.86330 | 2.55635 | 3.00082 | 25.00478 | 1.66836 |
| 63 | NOX | 2.95698 | 3.52648 | 4.46236 | 7.91383 | 2.66267 | 3.12563 | 26.04477 | 1.70568 |
| 64 | NOX | 3.03145 | 3.61566 | 4.57915 | 7.96435 | 2.77736 | 3.26026 | 27.16657 | 1.74299 |
| 65 | NOX | 3.10593 | 3.70484 | 4.69593 | 8.01487 | 2.90110 | 3.40552 | 28.37695 | 1.78031 |

# Table A-25
# Victoria 1996 VOC Emission Rates
# for Time Period 1

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 VOC | 12.13966 | 14.78639 | 21.09330 | 28.13446 | 1.61153 | 2.30014 | 5.16015 | 10.21879 |
| 4 VOC | 8.64390 | 10.66680 | 15.17754 | 22.19580 | 1.52999 | 2.18376 | 4.89907 | 8.66554 |
| 5 VOC | 6.74926 | 8.38878 | 11.88848 | 18.82835 | 1.45386 | 2.07510 | 4.65530 | 7.51513 |
| 6 VOC | 5.57071 | 6.95100 | 9.80419 | 16.55011 | 1.38273 | 1.97358 | 4.42755 | 6.64681 |
| 7 VOC | 4.77071 | 5.96507 | 8.37152 | 14.84165 | 1.31624 | 1.87868 | 4.21465 | 5.98006 |
| 8 VOC | 4.28558 | 5.34877 | 7.45921 | 13.67586 | 1.25405 | 1.78992 | 4.01552 | 5.46005 |
| 9 VOC | 3.91275 | 4.87088 | 6.75509 | 12.67701 | 1.19586 | 1.70685 | 3.82916 | 5.04865 |
| 10 VOC | 3.60948 | 4.48035 | 6.18507 | 11.79181 | 1.14136 | 1.62907 | 3.65467 | 4.71883 |
| 11 VOC | 3.35688 | 4.15356 | 5.71317 | 11.00219 | 1.09031 | 1.55620 | 3.49120 | 4.45113 |
| 12 VOC | 3.14228 | 3.87458 | 5.31499 | 10.29429 | 1.04246 | 1.48791 | 3.33798 | 4.23128 |
| 13 VOC | 2.95689 | 3.63228 | 4.97343 | 9.65706 | 0.99758 | 1.42386 | 3.19429 | 4.04863 |
| 14 VOC | 2.79442 | 3.41868 | 4.67618 | 9.08151 | 0.95548 | 1.36377 | 3.05948 | 3.89517 |
| 15 VOC | 2.65025 | 3.22789 | 4.41414 | 8.56014 | 0.91596 | 1.30736 | 2.93294 | 3.76478 |
| 16 VOC | 2.52090 | 3.05548 | 4.18048 | 8.08664 | 0.87885 | 1.25439 | 2.81411 | 3.65269 |
| 17 VOC | 2.40373 | 2.89807 | 3.96997 | 7.65559 | 0.84399 | 1.20463 | 2.70247 | 3.55523 |
| 18 VOC | 2.29666 | 2.75304 | 3.77853 | 7.26234 | 0.81122 | 1.15786 | 2.59754 | 3.46947 |
| 19 VOC | 2.19809 | 2.61832 | 3.60299 | 6.90285 | 0.78041 | 1.11388 | 2.49889 | 3.39312 |
| 20 VOC | 2.10587 | 2.51074 | 3.46318 | 6.57923 | 0.75143 | 1.07252 | 2.40610 | 3.32435 |
| 21 VOC | 2.02743 | 2.42236 | 3.33920 | 6.29120 | 0.72416 | 1.03360 | 2.31879 | 3.26172 |
| 22 VOC | 1.95563 | 2.34135 | 3.22588 | 6.02759 | 0.69850 | 0.99697 | 2.23662 | 3.20409 |
| 23 VOC | 1.88960 | 2.26672 | 3.12177 | 5.78602 | 0.67434 | 0.96249 | 2.15926 | 3.15056 |
| 24 VOC | 1.82860 | 2.19766 | 3.02567 | 5.56436 | 0.65159 | 0.93002 | 2.08641 | 3.10043 |
| 25 VOC | 1.77205 | 2.13353 | 2.93660 | 5.36071 | 0.63016 | 0.89943 | 2.01780 | 3.05318 |
| 26 VOC | 1.71942 | 2.07376 | 2.85376 | 5.17341 | 0.60997 | 0.87062 | 1.95316 | 3.00840 |
| 27 VOC | 1.67029 | 2.01793 | 2.77647 | 5.00094 | 0.59095 | 0.84347 | 1.89225 | 2.96582 |
| 28 VOC | 1.62430 | 1.96564 | 2.70417 | 4.84198 | 0.57303 | 0.81789 | 1.83486 | 2.92523 |
| 29 VOC | 1.58114 | 1.91658 | 2.63639 | 4.69533 | 0.55614 | 0.79378 | 1.78077 | 2.88650 |
| 30 VOC | 1.54052 | 1.87048 | 2.57274 | 4.55991 | 0.54022 | 0.77106 | 1.72980 | 2.84956 |
| 31 VOC | 1.50223 | 1.82711 | 2.51288 | 4.43477 | 0.52522 | 0.74965 | 1.68177 | 2.81439 |
| 32 VOC | 1.46605 | 1.78626 | 2.45652 | 4.31904 | 0.51109 | 0.72948 | 1.63651 | 2.78097 |
| 33 VOC | 1.43181 | 1.74776 | 2.40341 | 4.21194 | 0.49777 | 0.71047 | 1.59387 | 2.74934 |
| 34 VOC | 1.39935 | 1.71145 | 2.35331 | 4.11277 | 0.48523 | 0.69257 | 1.55371 | 2.71953 |
| 35 VOC | 1.36852 | 1.67719 | 2.30605 | 4.02091 | 0.47342 | 0.67571 | 1.51589 | 2.69157 |
| 36 VOC | 1.33921 | 1.64484 | 2.26145 | 3.93578 | 0.46230 | 0.65985 | 1.48030 | 2.66551 |
| 37 VOC | 1.31129 | 1.61430 | 2.21933 | 3.85687 | 0.45184 | 0.64492 | 1.44682 | 2.64137 |
| 38 VOC | 1.28466 | 1.58543 | 2.17956 | 3.78372 | 0.44201 | 0.63089 | 1.41533 | 2.61919 |
| 39 VOC | 1.25924 | 1.55815 | 2.14200 | 3.71591 | 0.43277 | 0.61770 | 1.38576 | 2.59897 |
| 40 VOC | 1.23494 | 1.53236 | 2.10650 | 3.65306 | 0.42410 | 0.60533 | 1.35799 | 2.58071 |
| 41 VOC | 1.21167 | 1.50794 | 2.07296 | 3.59484 | 0.41597 | 0.59372 | 1.33195 | 2.56437 |
| 42 VOC | 1.18937 | 1.48482 | 2.04123 | 3.54092 | 0.40836 | 0.58285 | 1.30756 | 2.54992 |
| 43 VOC | 1.16797 | 1.46290 | 2.01121 | 3.49104 | 0.40123 | 0.57268 | 1.28475 | 2.53727 |
| 44 VOC | 1.14741 | 1.44209 | 1.98277 | 3.44494 | 0.39458 | 0.56318 | 1.26345 | 2.52632 |
| 45 VOC | 1.12762 | 1.42229 | 1.95578 | 3.40239 | 0.38838 | 0.55433 | 1.24359 | 2.51692 |
| 46 VOC | 1.10854 | 1.40340 | 1.93012 | 3.36320 | 0.38261 | 0.54610 | 1.22513 | 2.50890 |
| 47 VOC | 1.09012 | 1.38532 | 1.90565 | 3.32718 | 0.37726 | 0.53847 | 1.20800 | 2.50203 |
| 48 VOC | 1.07251 | 1.36794 | 1.88212 | 3.29387 | 0.37231 | 0.53141 | 1.19216 | 2.49603 |
| 49 VOC | 1.06841 | 1.36359 | 1.87587 | 3.26102 | 0.36775 | 0.52490 | 1.17756 | 2.49603 |
| 50 VOC | 1.06455 | 1.35949 | 1.86999 | 3.23133 | 0.36357 | 0.51893 | 1.16417 | 2.49603 |
| 51 VOC | 1.06091 | 1.35563 | 1.86445 | 3.20465 | 0.35975 | 0.51348 | 1.15194 | 2.49603 |
| 52 VOC | 1.05747 | 1.35198 | 1.85921 | 3.18085 | 0.35629 | 0.50853 | 1.14084 | 2.49603 |
| 53 VOC | 1.05421 | 1.34853 | 1.85427 | 3.15980 | 0.35317 | 0.50408 | 1.13085 | 2.49603 |
| 54 VOC | 1.05114 | 1.34527 | 1.84959 | 3.14141 | 0.35038 | 0.50010 | 1.12193 | 2.49603 |
| 55 VOC | 1.04822 | 1.34217 | 1.84516 | 3.12560 | 0.34792 | 0.49659 | 1.11405 | 2.49603 |
| 56 VOC | 1.08227 | 1.39707 | 1.93208 | 3.11229 | 0.34578 | 0.49354 | 1.10721 | 2.57258 |
| 57 VOC | 1.11645 | 1.45212 | 2.01922 | 3.10142 | 0.34396 | 0.49094 | 1.10138 | 2.64913 |
| 58 VOC | 1.15077 | 1.50730 | 2.10656 | 3.09295 | 0.34245 | 0.48879 | 1.09655 | 2.72568 |
| 59 VOC | 1.18521 | 1.56262 | 2.19408 | 3.08685 | 0.34125 | 0.48707 | 1.09269 | 2.80223 |
| 60 VOC | 1.21977 | 1.61805 | 2.28178 | 3.08309 | 0.34035 | 0.48578 | 1.08981 | 2.87879 |
| 61 VOC | 1.25443 | 1.67360 | 2.36964 | 3.08167 | 0.33975 | 0.48493 | 1.08790 | 2.95534 |
| 62 VOC | 1.28919 | 1.72926 | 2.45766 | 3.08258 | 0.33945 | 0.48450 | 1.08694 | 3.03189 |
| 63 VOC | 1.32404 | 1.78501 | 2.54582 | 3.08585 | 0.33945 | 0.48450 | 1.08694 | 3.10844 |
| 64 VOC | 1.35899 | 1.84086 | 2.63411 | 3.09149 | 0.33975 | 0.48493 | 1.08790 | 3.18499 |
| 65 VOC | 1.39401 | 1.89680 | 2.72253 | 3.09956 | 0.34035 | 0.48578 | 1.08981 | 3.26154 |

# Table A-26
# Victoria 1996 CO Emission Rates
# for Time Period 1

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 97.82745 | 125.10297 | 191.34073 | 283.35327 | 5.32334 | 6.11041 | 37.01066 | 140.07657 |
| 4 CO | 75.19153 | 96.02729 | 146.49030 | 258.88763 | 4.90606 | 5.63143 | 34.10950 | 111.71400 |
| 5 CO | 61.48605 | 78.20171 | 118.54852 | 237.05550 | 4.52972 | 5.19946 | 31.49302 | 91.24311 |
| 6 CO | 52.30359 | 66.18364 | 99.51254 | 217.54251 | 4.18987 | 4.80936 | 29.13022 | 76.13726 |
| 7 CO | 45.73097 | 57.56278 | 85.76997 | 200.07539 | 3.88258 | 4.45663 | 26.99377 | 64.76292 |
| 8 CO | 40.80063 | 51.09920 | 75.42942 | 184.41602 | 3.60438 | 4.13730 | 25.05958 | 56.03831 |
| 9 CO | 36.96984 | 46.08785 | 67.39906 | 170.35666 | 3.35221 | 3.84785 | 23.30636 | 49.23096 |
| 10 CO | 33.91051 | 42.09795 | 61.00359 | 157.71573 | 3.12336 | 3.58516 | 21.71528 | 43.83456 |
| 11 CO | 31.41259 | 38.85148 | 55.80315 | 146.33438 | 2.91544 | 3.34650 | 20.26968 | 39.49239 |
| 12 CO | 29.33545 | 36.16120 | 51.49942 | 136.07336 | 2.72631 | 3.12941 | 18.95478 | 35.94862 |
| 13 CO | 27.58143 | 33.89649 | 47.88337 | 126.81056 | 2.55410 | 2.93173 | 17.75747 | 33.01677 |
| 14 CO | 26.08059 | 31.96353 | 44.80447 | 118.43855 | 2.39713 | 2.75155 | 16.66609 | 30.55884 |
| 15 CO | 24.78160 | 30.29329 | 42.15182 | 110.86289 | 2.25390 | 2.58714 | 15.67028 | 28.47139 |
| 16 CO | 23.64593 | 28.83398 | 39.84216 | 104.00034 | 2.12309 | 2.43699 | 14.76082 | 26.67597 |
| 17 CO | 22.64416 | 27.54601 | 37.81182 | 97.77748 | 2.00351 | 2.29973 | 13.92946 | 25.11244 |
| 18 CO | 21.75341 | 26.39875 | 36.01151 | 92.12943 | 1.89411 | 2.17416 | 13.16887 | 23.73438 |
| 19 CO | 20.95570 | 25.36821 | 34.40254 | 86.99879 | 1.79395 | 2.05919 | 12.47250 | 22.50574 |
| 20 CO | 20.12123 | 24.50100 | 33.15554 | 82.33484 | 1.70218 | 1.95385 | 11.83447 | 21.39839 |
| 21 CO | 19.25737 | 23.54591 | 31.91163 | 78.09253 | 1.61805 | 1.85728 | 11.24953 | 20.39040 |
| 22 CO | 18.47058 | 22.67110 | 30.77790 | 74.23192 | 1.54087 | 1.76870 | 10.71298 | 19.46467 |
| 23 CO | 17.75070 | 21.86571 | 29.73913 | 70.71758 | 1.47006 | 1.68741 | 10.22061 | 18.60788 |
| 24 CO | 17.08932 | 21.12095 | 28.78291 | 67.51802 | 1.40505 | 1.61279 | 9.76863 | 17.80978 |
| 25 CO | 16.47944 | 20.42974 | 27.89908 | 64.60516 | 1.34536 | 1.54427 | 9.35365 | 17.06252 |
| 26 CO | 15.91520 | 19.78630 | 27.07928 | 61.95412 | 1.29055 | 1.48136 | 8.97260 | 16.36012 |
| 27 CO | 15.39166 | 19.18592 | 26.31660 | 59.54274 | 1.24023 | 1.42361 | 8.62277 | 15.69813 |
| 28 CO | 14.90462 | 18.62467 | 25.60528 | 57.35123 | 1.19405 | 1.37059 | 8.30167 | 15.07327 |
| 29 CO | 14.45047 | 18.09933 | 24.94053 | 55.36205 | 1.15168 | 1.32196 | 8.00708 | 14.48314 |
| 30 CO | 14.02615 | 17.60715 | 24.31826 | 53.55956 | 1.11283 | 1.27737 | 7.73702 | 13.92601 |
| 31 CO | 13.62896 | 17.14581 | 23.73505 | 51.92988 | 1.07726 | 1.23654 | 7.48968 | 13.40062 |
| 32 CO | 13.25657 | 16.71325 | 23.18792 | 50.46068 | 1.04472 | 1.19919 | 7.26346 | 12.90610 |
| 33 CO | 12.90691 | 16.30768 | 22.67430 | 49.14103 | 1.01501 | 1.16508 | 7.05690 | 12.44173 |
| 34 CO | 12.57818 | 15.92748 | 22.19193 | 47.96129 | 0.98794 | 1.13401 | 6.86871 | 12.00697 |
| 35 CO | 12.26875 | 15.57118 | 21.73879 | 46.91298 | 0.96335 | 1.10578 | 6.69771 | 11.60126 |
| 36 CO | 11.97718 | 15.23743 | 21.31308 | 45.98863 | 0.94108 | 1.08022 | 6.54287 | 11.22405 |
| 37 CO | 11.70215 | 14.92495 | 20.91314 | 45.18179 | 0.92100 | 1.05717 | 6.40325 | 10.87475 |
| 38 CO | 11.44248 | 14.63254 | 20.53744 | 44.48689 | 0.90298 | 1.03649 | 6.27803 | 10.55262 |
| 39 CO | 11.19710 | 14.35907 | 20.18456 | 43.89912 | 0.88694 | 1.01808 | 6.16647 | 10.25686 |
| 40 CO | 10.96501 | 14.10342 | 19.85312 | 43.41454 | 0.87276 | 1.00181 | 6.06792 | 9.98648 |
| 41 CO | 10.74529 | 13.86451 | 19.54185 | 43.02986 | 0.86038 | 0.98759 | 5.98183 | 9.74028 |
| 42 CO | 10.53710 | 13.64125 | 19.24943 | 42.74252 | 0.84972 | 0.97535 | 5.90770 | 9.51697 |
| 43 CO | 10.33963 | 13.43254 | 18.97465 | 42.55062 | 0.84072 | 0.96502 | 5.84511 | 9.31494 |
| 44 CO | 10.15212 | 13.23723 | 18.71619 | 42.45286 | 0.83333 | 0.95654 | 5.79373 | 9.13240 |
| 45 CO | 9.97383 | 13.05410 | 18.47278 | 42.44862 | 0.82751 | 0.94985 | 5.75326 | 8.96724 |
| 46 CO | 9.80402 | 12.88178 | 18.24306 | 42.53786 | 0.82322 | 0.94494 | 5.72348 | 8.81709 |
| 47 CO | 9.64198 | 12.71881 | 18.02561 | 42.72116 | 0.82045 | 0.94176 | 5.70422 | 8.67915 |
| 48 CO | 9.48698 | 12.56352 | 17.81890 | 42.99976 | 0.81918 | 0.94030 | 5.69538 | 8.55033 |
| 49 CO | 9.48698 | 12.56352 | 17.81890 | 43.37548 | 0.81940 | 0.94055 | 5.69692 | 8.55033 |
| 50 CO | 9.48698 | 12.56352 | 17.81890 | 43.85086 | 0.82112 | 0.94252 | 5.70884 | 8.55033 |
| 51 CO | 9.48698 | 12.56352 | 17.81890 | 44.42908 | 0.82433 | 0.94621 | 5.73121 | 8.55033 |
| 52 CO | 9.48698 | 12.56352 | 17.81890 | 45.11408 | 0.82907 | 0.95165 | 5.76414 | 8.55033 |
| 53 CO | 9.48698 | 12.56352 | 17.81890 | 45.91053 | 0.83535 | 0.95886 | 5.80783 | 8.55033 |
| 54 CO | 9.48698 | 12.56352 | 17.81890 | 46.82393 | 0.84322 | 0.96789 | 5.86250 | 8.55033 |
| 55 CO | 9.48698 | 12.56352 | 17.81890 | 47.86069 | 0.85271 | 0.97878 | 5.92847 | 8.55033 |
| 56 CO | 10.81303 | 14.74803 | 21.18745 | 49.02814 | 0.86387 | 0.99160 | 6.00610 | 10.60950 |
| 57 CO | 12.13908 | 16.93255 | 24.55598 | 50.33469 | 0.87678 | 1.00641 | 6.09584 | 12.66867 |
| 58 CO | 13.46513 | 19.11706 | 27.92452 | 51.78986 | 0.89150 | 1.02331 | 6.19818 | 14.72784 |
| 59 CO | 14.79118 | 21.30157 | 31.29307 | 53.40446 | 0.90812 | 1.04239 | 6.31373 | 16.78701 |
| 60 CO | 16.11723 | 23.48609 | 34.66161 | 55.19070 | 0.92673 | 1.06375 | 6.44314 | 18.84618 |
| 61 CO | 17.44327 | 25.67061 | 38.03014 | 57.16228 | 0.94745 | 1.08754 | 6.58719 | 20.90535 |
| 62 CO | 18.76933 | 27.85512 | 41.39868 | 59.33471 | 0.97040 | 1.11387 | 6.74672 | 22.96451 |
| 63 CO | 20.09538 | 30.03963 | 44.76722 | 61.72533 | 0.99571 | 1.14293 | 6.92270 | 25.02369 |
| 64 CO | 21.42142 | 32.22415 | 48.13576 | 64.35370 | 1.02354 | 1.17488 | 7.11622 | 27.08286 |
| 65 CO | 22.74748 | 34.40867 | 51.50431 | 67.24175 | 1.05407 | 1.20992 | 7.32847 | 29.14202 |

# Table A-27
# Victoria 1996 NOX Emission Rates
# for Time Period 1

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 NOX | 2.18648 | 2.44534 | 3.09678 | 4.56254 | 2.71882 | 3.15002 | 22.45594 | 0.89199 |
| 4 NOX | 2.00660 | 2.24611 | 2.85800 | 4.60975 | 2.60431 | 3.01735 | 21.51015 | 0.85317 |
| 5 NOX | 1.89792 | 2.12593 | 2.71479 | 4.65696 | 2.49817 | 2.89437 | 20.63348 | 0.82096 |
| 6 NOX | 1.82498 | 2.04558 | 2.61957 | 4.70418 | 2.39976 | 2.78035 | 19.82067 | 0.79485 |
| 7 NOX | 1.77257 | 1.98824 | 2.55193 | 4.75139 | 2.30850 | 2.67462 | 19.06693 | 0.77435 |
| 8 NOX | 1.73306 | 1.94545 | 2.50164 | 4.79860 | 2.22387 | 2.57657 | 18.36791 | 0.75899 |
| 9 NOX | 1.70221 | 1.91250 | 2.46301 | 4.84582 | 2.14539 | 2.48563 | 17.71967 | 0.74831 |
| 10 NOX | 1.67749 | 1.88654 | 2.43260 | 4.89303 | 2.07261 | 2.40132 | 17.11859 | 0.74188 |
| 11 NOX | 1.65725 | 1.86575 | 2.40821 | 4.94024 | 2.00515 | 2.32316 | 16.56141 | 0.73929 |
| 12 NOX | 1.64041 | 1.84888 | 2.38837 | 4.98746 | 1.94264 | 2.25074 | 16.04513 | 0.74013 |
| 13 NOX | 1.62621 | 1.83508 | 2.37204 | 5.03467 | 1.88476 | 2.18367 | 15.56703 | 0.74403 |
| 14 NOX | 1.61410 | 1.82371 | 2.35850 | 5.08188 | 1.83120 | 2.12161 | 15.12464 | 0.75061 |
| 15 NOX | 1.60368 | 1.81430 | 2.34717 | 5.12910 | 1.78168 | 2.06425 | 14.71570 | 0.75953 |
| 16 NOX | 1.59465 | 1.80649 | 2.33766 | 5.17631 | 1.73597 | 2.01129 | 14.33817 | 0.77047 |
| 17 NOX | 1.58676 | 1.80000 | 2.32963 | 5.22353 | 1.69384 | 1.96248 | 13.99017 | 0.78310 |
| 18 NOX | 1.57983 | 1.79461 | 2.32282 | 5.27074 | 1.65508 | 1.91757 | 13.67002 | 0.79715 |
| 19 NOX | 1.57373 | 1.79013 | 2.31704 | 5.31795 | 1.61950 | 1.87635 | 13.37617 | 0.81233 |
| 20 NOX | 1.57569 | 1.78901 | 2.31744 | 5.36517 | 1.58694 | 1.83862 | 13.10724 | 0.82839 |
| 21 NOX | 1.58553 | 1.80220 | 2.33649 | 5.41238 | 1.55725 | 1.80422 | 12.86197 | 0.84508 |
| 22 NOX | 1.59455 | 1.81445 | 2.35404 | 5.45959 | 1.53028 | 1.77297 | 12.63923 | 0.86219 |
| 23 NOX | 1.60286 | 1.82585 | 2.37027 | 5.50681 | 1.50591 | 1.74474 | 12.43799 | 0.87951 |
| 24 NOX | 1.61055 | 1.83650 | 2.38532 | 5.55402 | 1.48404 | 1.71940 | 12.25734 | 0.89685 |
| 25 NOX | 1.61770 | 1.84645 | 2.39933 | 5.60123 | 1.46457 | 1.69684 | 12.09649 | 0.91405 |
| 26 NOX | 1.62436 | 1.85579 | 2.41240 | 5.64845 | 1.44740 | 1.67695 | 11.95471 | 0.93096 |
| 27 NOX | 1.63060 | 1.86454 | 2.42463 | 5.69566 | 1.43247 | 1.65965 | 11.83138 | 0.94743 |
| 28 NOX | 1.63645 | 1.87277 | 2.43610 | 5.74287 | 1.41970 | 1.64486 | 11.72596 | 0.96336 |
| 29 NOX | 1.64195 | 1.88050 | 2.44688 | 5.79009 | 1.40905 | 1.63252 | 11.63799 | 0.97865 |
| 30 NOX | 1.64715 | 1.88778 | 2.45703 | 5.83730 | 1.40047 | 1.62258 | 11.56710 | 0.99322 |
| 31 NOX | 1.65206 | 1.89463 | 2.46662 | 5.88451 | 1.39392 | 1.61499 | 11.51298 | 1.00701 |
| 32 NOX | 1.65673 | 1.90109 | 2.47569 | 5.93173 | 1.38937 | 1.60972 | 11.47539 | 1.01997 |
| 33 NOX | 1.66116 | 1.90717 | 2.48429 | 5.97894 | 1.38680 | 1.60674 | 11.45418 | 1.03208 |
| 34 NOX | 1.66540 | 1.91292 | 2.49247 | 6.02615 | 1.38620 | 1.60605 | 11.44926 | 1.04332 |
| 35 NOX | 1.66945 | 1.91836 | 2.50027 | 6.07337 | 1.38758 | 1.60764 | 11.46060 | 1.05372 |
| 36 NOX | 1.67334 | 1.92350 | 2.50774 | 6.12058 | 1.39093 | 1.61152 | 11.48825 | 1.06328 |
| 37 NOX | 1.67708 | 1.92839 | 2.51491 | 6.16779 | 1.39626 | 1.61770 | 11.53234 | 1.07207 |
| 38 NOX | 1.68070 | 1.93305 | 2.52182 | 6.21501 | 1.40361 | 1.62622 | 11.59304 | 1.08013 |
| 39 NOX | 1.68422 | 1.93750 | 2.52851 | 6.26222 | 1.41301 | 1.63710 | 11.67063 | 1.08756 |
| 40 NOX | 1.68764 | 1.94178 | 2.53502 | 6.30943 | 1.42448 | 1.65040 | 11.76542 | 1.09445 |
| 41 NOX | 1.69098 | 1.94591 | 2.54139 | 6.35665 | 1.43809 | 1.66617 | 11.87785 | 1.10091 |
| 42 NOX | 1.69427 | 1.94993 | 2.54766 | 6.40386 | 1.45390 | 1.68448 | 12.00838 | 1.10708 |
| 43 NOX | 1.69751 | 1.95386 | 2.55387 | 6.45107 | 1.47197 | 1.70541 | 12.15761 | 1.11311 |
| 44 NOX | 1.70073 | 1.95776 | 2.56005 | 6.49829 | 1.49238 | 1.72906 | 12.32618 | 1.11917 |
| 45 NOX | 1.70393 | 1.96163 | 2.56625 | 6.54550 | 1.51522 | 1.75552 | 12.51484 | 1.12544 |
| 46 NOX | 1.70715 | 1.96554 | 2.57252 | 6.59272 | 1.54060 | 1.78493 | 12.72445 | 1.13214 |
| 47 NOX | 1.71039 | 1.96951 | 2.57888 | 6.63993 | 1.56862 | 1.81740 | 12.95595 | 1.13948 |
| 48 NOX | 1.71367 | 1.97359 | 2.58540 | 6.68714 | 1.59943 | 1.85310 | 13.21041 | 1.14770 |
| 49 NOX | 1.77659 | 2.05272 | 2.69402 | 6.73436 | 1.63316 | 1.89218 | 13.48901 | 1.18507 |
| 50 NOX | 1.83952 | 2.13186 | 2.80264 | 6.78157 | 1.66998 | 1.93483 | 13.79305 | 1.22244 |
| 51 NOX | 1.90244 | 2.21099 | 2.91126 | 6.82878 | 1.71004 | 1.98125 | 14.12399 | 1.25981 |
| 52 NOX | 1.96536 | 2.29012 | 3.01988 | 6.87600 | 1.75356 | 2.03167 | 14.48343 | 1.29719 |
| 53 NOX | 2.02828 | 2.36926 | 3.12850 | 6.92321 | 1.80074 | 2.08633 | 14.87311 | 1.33456 |
| 54 NOX | 2.09121 | 2.44839 | 3.23712 | 6.97042 | 1.85182 | 2.14551 | 15.29499 | 1.37193 |
| 55 NOX | 2.15413 | 2.52752 | 3.34574 | 7.01764 | 1.90705 | 2.20950 | 15.75118 | 1.40930 |
| 56 NOX | 2.21705 | 2.60665 | 3.45437 | 7.06485 | 1.96672 | 2.27864 | 16.24402 | 1.44667 |
| 57 NOX | 2.27998 | 2.68579 | 3.56299 | 7.11206 | 2.03114 | 2.35327 | 16.77610 | 1.48405 |
| 58 NOX | 2.34290 | 2.76492 | 3.67161 | 7.15928 | 2.10065 | 2.43381 | 17.35022 | 1.52142 |
| 59 NOX | 2.40582 | 2.84405 | 3.78023 | 7.20649 | 2.17563 | 2.52068 | 17.96948 | 1.55879 |
| 60 NOX | 2.46875 | 2.92318 | 3.88885 | 7.25370 | 2.25649 | 2.61435 | 18.63730 | 1.59616 |
| 61 NOX | 2.53167 | 3.00232 | 3.99747 | 7.30092 | 2.34367 | 2.71537 | 19.35740 | 1.63353 |
| 62 NOX | 2.59459 | 3.08145 | 4.10609 | 7.34813 | 2.43769 | 2.82429 | 20.13390 | 1.67091 |
| 63 NOX | 2.65751 | 3.16058 | 4.21471 | 7.39534 | 2.53907 | 2.94176 | 20.97130 | 1.70828 |
| 64 NOX | 2.72044 | 3.23972 | 4.32333 | 7.44256 | 2.64844 | 3.06846 | 21.87458 | 1.74565 |
| 65 NOX | 2.78336 | 3.31885 | 4.43196 | 7.48977 | 2.76643 | 3.20518 | 22.84917 | 1.78302 |

# Table A-28
# Victoria 1996 VOC Emission Rates
# for Time Period 2

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 16.82907 | 18.22898 | 26.08816 | 39.90831 | 1.61153 | 2.30014 | 5.16015 | 11.18887 |
| 4 | VOC | 11.62910 | 12.69361 | 18.07421 | 29.92937 | 1.52999 | 2.18376 | 4.89907 | 9.64962 |
| 5 | VOC | 8.88949 | 9.75202 | 13.80878 | 24.60957 | 1.45386 | 2.07510 | 4.65530 | 8.50958 |
| 6 | VOC | 7.22163 | 7.94935 | 11.19129 | 21.21628 | 1.38273 | 1.97358 | 4.42755 | 7.64909 |
| 7 | VOC | 6.10841 | 6.74095 | 9.43541 | 18.79705 | 1.31624 | 1.87868 | 4.21465 | 6.98835 |
| 8 | VOC | 5.49195 | 6.02934 | 8.39049 | 17.31249 | 1.25405 | 1.78992 | 4.01552 | 6.47303 |
| 9 | VOC | 5.01805 | 5.48566 | 7.59445 | 16.06984 | 1.19586 | 1.70685 | 3.82916 | 6.06533 |
| 10 | VOC | 4.62645 | 5.04501 | 6.95309 | 14.97746 | 1.14136 | 1.62907 | 3.65467 | 5.73849 |
| 11 | VOC | 4.29476 | 4.67953 | 6.42480 | 14.00843 | 1.09031 | 1.55620 | 3.49120 | 5.47320 |
| 12 | VOC | 4.00801 | 4.37042 | 5.98144 | 13.14281 | 1.04246 | 1.48791 | 3.33798 | 5.25532 |
| 13 | VOC | 3.75581 | 4.10457 | 5.60334 | 12.36524 | 0.99758 | 1.42386 | 3.19429 | 5.07432 |
| 14 | VOC | 3.53071 | 3.87256 | 5.27632 | 11.66354 | 0.95548 | 1.36377 | 3.05948 | 4.92225 |
| 15 | VOC | 3.32726 | 3.66745 | 4.98995 | 11.02779 | 0.91596 | 1.30736 | 2.93294 | 4.79303 |
| 16 | VOC | 3.14134 | 3.48402 | 4.73637 | 10.44981 | 0.87885 | 1.25439 | 2.81411 | 4.68196 |
| 17 | VOC | 2.96983 | 3.31828 | 4.50956 | 9.92271 | 0.84399 | 1.20463 | 2.70247 | 4.58537 |
| 18 | VOC | 2.81028 | 3.16715 | 4.30487 | 9.44064 | 0.81122 | 1.15786 | 2.59754 | 4.50039 |
| 19 | VOC | 2.66078 | 3.02818 | 4.11862 | 8.99858 | 0.78041 | 1.11388 | 2.49889 | 4.42472 |
| 20 | VOC | 2.53248 | 2.91377 | 3.96704 | 8.60671 | 0.75143 | 1.07252 | 2.40610 | 4.35657 |
| 21 | VOC | 2.43942 | 2.81196 | 3.82549 | 8.26849 | 0.72416 | 1.03360 | 2.31879 | 4.29451 |
| 22 | VOC | 2.35398 | 2.71866 | 3.69621 | 7.95892 | 0.69850 | 0.99697 | 2.23662 | 4.23740 |
| 23 | VOC | 2.27516 | 2.63274 | 3.57752 | 7.67511 | 0.67434 | 0.96249 | 2.15926 | 4.18435 |
| 24 | VOC | 2.20213 | 2.55325 | 3.46807 | 7.41453 | 0.65159 | 0.93002 | 2.08641 | 4.13467 |
| 25 | VOC | 2.13419 | 2.47945 | 3.36672 | 7.17494 | 0.63016 | 0.89943 | 2.01780 | 4.08784 |
| 26 | VOC | 2.07076 | 2.41071 | 3.27254 | 6.95435 | 0.60997 | 0.87062 | 1.95316 | 4.04347 |
| 27 | VOC | 2.01136 | 2.34651 | 3.18476 | 6.75099 | 0.59095 | 0.84347 | 1.89225 | 4.00127 |
| 28 | VOC | 1.95555 | 2.28640 | 3.10272 | 6.56329 | 0.57303 | 0.81789 | 1.83486 | 3.96105 |
| 29 | VOC | 1.90299 | 2.23004 | 3.02588 | 6.38986 | 0.55614 | 0.79378 | 1.78077 | 3.92267 |
| 30 | VOC | 1.85336 | 2.17710 | 2.95377 | 6.22943 | 0.54022 | 0.77106 | 1.72980 | 3.88606 |
| 31 | VOC | 1.80639 | 2.12732 | 2.88600 | 6.08089 | 0.52522 | 0.74965 | 1.68177 | 3.85121 |
| 32 | VOC | 1.76186 | 2.08046 | 2.82222 | 5.94322 | 0.51109 | 0.72948 | 1.63651 | 3.81809 |
| 33 | VOC | 1.71954 | 2.03632 | 2.76214 | 5.81553 | 0.49777 | 0.71047 | 1.59387 | 3.78675 |
| 34 | VOC | 1.67927 | 1.99471 | 2.70549 | 5.69701 | 0.48523 | 0.69257 | 1.55371 | 3.75720 |
| 35 | VOC | 1.64088 | 1.95548 | 2.65205 | 5.58691 | 0.47342 | 0.67571 | 1.51589 | 3.72950 |
| 36 | VOC | 1.60422 | 1.91847 | 2.60160 | 5.48458 | 0.46230 | 0.65985 | 1.48030 | 3.70367 |
| 37 | VOC | 1.56917 | 1.88354 | 2.55396 | 5.38943 | 0.45184 | 0.64492 | 1.44682 | 3.67975 |
| 38 | VOC | 1.53560 | 1.85057 | 2.50896 | 5.30093 | 0.44201 | 0.63089 | 1.41533 | 3.65777 |
| 39 | VOC | 1.50341 | 1.81942 | 2.46643 | 5.21858 | 0.43277 | 0.61770 | 1.38576 | 3.63773 |
| 40 | VOC | 1.47251 | 1.79000 | 2.42622 | 5.14195 | 0.42410 | 0.60533 | 1.35799 | 3.61963 |
| 41 | VOC | 1.44279 | 1.76218 | 2.38819 | 5.07064 | 0.41597 | 0.59372 | 1.33195 | 3.60344 |
| 42 | VOC | 1.41419 | 1.73585 | 2.35219 | 5.00430 | 0.40836 | 0.58285 | 1.30756 | 3.58912 |
| 43 | VOC | 1.38662 | 1.71092 | 2.31809 | 4.94261 | 0.40123 | 0.57268 | 1.28475 | 3.57659 |
| 44 | VOC | 1.36000 | 1.68727 | 2.28576 | 4.88527 | 0.39458 | 0.56318 | 1.26345 | 3.56573 |
| 45 | VOC | 1.33427 | 1.66478 | 2.25506 | 4.83203 | 0.38838 | 0.55433 | 1.24359 | 3.55642 |
| 46 | VOC | 1.30937 | 1.64336 | 2.22585 | 4.78264 | 0.38261 | 0.54610 | 1.22513 | 3.54847 |
| 47 | VOC | 1.28522 | 1.62286 | 2.19797 | 4.73689 | 0.37726 | 0.53847 | 1.20800 | 3.54166 |
| 48 | VOC | 1.26216 | 1.60300 | 2.17092 | 4.69408 | 0.37231 | 0.53141 | 1.19216 | 3.53572 |
| 49 | VOC | 1.25488 | 1.59527 | 2.15966 | 4.65031 | 0.36775 | 0.52490 | 1.17756 | 3.53572 |
| 50 | VOC | 1.24804 | 1.58798 | 2.14906 | 4.61045 | 0.36357 | 0.51893 | 1.16417 | 3.53572 |
| 51 | VOC | 1.24158 | 1.58112 | 2.13908 | 4.57430 | 0.35975 | 0.51348 | 1.15194 | 3.53572 |
| 52 | VOC | 1.23549 | 1.57464 | 2.12965 | 4.54169 | 0.35629 | 0.50853 | 1.14084 | 3.53572 |
| 53 | VOC | 1.22973 | 1.56852 | 2.12076 | 4.51246 | 0.35317 | 0.50408 | 1.13085 | 3.53572 |
| 54 | VOC | 1.22429 | 1.56273 | 2.11234 | 4.48647 | 0.35038 | 0.50010 | 1.12193 | 3.53572 |
| 55 | VOC | 1.21913 | 1.55725 | 2.10438 | 4.46360 | 0.34792 | 0.49659 | 1.11405 | 3.53572 |
| 56 | VOC | 1.25258 | 1.61369 | 2.19146 | 4.44375 | 0.34578 | 0.49354 | 1.10721 | 3.61158 |
| 57 | VOC | 1.28628 | 1.67041 | 2.27893 | 4.42684 | 0.34396 | 0.49094 | 1.10138 | 3.68744 |
| 58 | VOC | 1.32021 | 1.72737 | 2.36676 | 4.41280 | 0.34245 | 0.48879 | 1.09655 | 3.76330 |
| 59 | VOC | 1.35436 | 1.78456 | 2.45493 | 4.40158 | 0.34125 | 0.48707 | 1.09269 | 3.83916 |
| 60 | VOC | 1.38872 | 1.84197 | 2.54342 | 4.39313 | 0.34035 | 0.48578 | 1.08981 | 3.91502 |
| 61 | VOC | 1.42326 | 1.89958 | 2.63220 | 4.38744 | 0.33975 | 0.48493 | 1.08790 | 3.99088 |
| 62 | VOC | 1.45799 | 1.95739 | 2.72127 | 4.38448 | 0.33945 | 0.48450 | 1.08694 | 4.06674 |
| 63 | VOC | 1.49288 | 2.01537 | 2.81059 | 4.38427 | 0.33945 | 0.48450 | 1.08694 | 4.14260 |
| 64 | VOC | 1.52793 | 2.07351 | 2.90015 | 4.38683 | 0.33975 | 0.48493 | 1.08790 | 4.21846 |
| 65 | VOC | 1.56312 | 2.13182 | 2.98995 | 4.39218 | 0.34035 | 0.48578 | 1.08981 | 4.29433 |

# Table A-29
# Victoria 1996 CO Emission Rates
# for Time Period 2

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 105.65467 | 140.31909 | 212.02606 | 352.77032 | 5.32334 | 6.11041 | 37.01066 | 166.05774 |
| 4 CO | 81.14426 | 107.67512 | 162.18994 | 322.31107 | 4.90606 | 5.63143 | 34.10950 | 132.43452 |
| 5 CO | 66.27975 | 87.58972 | 131.12067 | 295.13034 | 4.52972 | 5.19946 | 31.49302 | 108.16673 |
| 6 CO | 56.31236 | 74.02444 | 109.94837 | 270.83698 | 4.18987 | 4.80936 | 29.13022 | 90.25908 |
| 7 CO | 49.17569 | 64.28845 | 94.66325 | 249.09076 | 3.88258 | 4.45663 | 26.99377 | 76.77505 |
| 8 CO | 43.82240 | 56.99041 | 83.16343 | 229.59506 | 3.60438 | 4.13730 | 25.05958 | 66.43221 |
| 9 CO | 39.66402 | 51.33595 | 74.23456 | 212.09137 | 3.35221 | 3.84785 | 23.30636 | 58.36223 |
| 10 CO | 36.34431 | 46.83829 | 67.12509 | 196.35361 | 3.12336 | 3.58516 | 21.71528 | 51.96492 |
| 11 CO | 33.63493 | 43.18255 | 61.34542 | 182.18401 | 2.91544 | 3.34650 | 20.26968 | 46.81738 |
| 12 CO | 31.38293 | 40.15629 | 56.56338 | 169.40921 | 2.72631 | 3.12941 | 18.95478 | 42.61632 |
| 13 CO | 29.48197 | 37.61113 | 52.54619 | 157.87717 | 2.55410 | 2.93173 | 17.75747 | 39.14066 |
| 14 CO | 27.85593 | 35.44040 | 49.12624 | 147.45416 | 2.39713 | 2.75155 | 16.66609 | 36.22684 |
| 15 CO | 26.44889 | 33.56559 | 46.18008 | 138.02258 | 2.25390 | 2.58714 | 15.67028 | 33.75222 |
| 16 CO | 25.21889 | 31.92775 | 43.61495 | 129.47879 | 2.12309 | 2.43699 | 14.76082 | 31.62378 |
| 17 CO | 24.13387 | 30.48185 | 41.36003 | 121.73143 | 2.00351 | 2.29973 | 13.92946 | 29.77026 |
| 18 CO | 23.16895 | 29.19308 | 39.36045 | 114.69968 | 1.89411 | 2.17416 | 13.16887 | 28.13659 |
| 19 CO | 22.30453 | 28.03422 | 37.57319 | 108.31216 | 1.79395 | 2.05919 | 12.47250 | 26.68007 |
| 20 CO | 21.40937 | 27.07608 | 36.20938 | 102.50558 | 1.70218 | 1.95385 | 11.83447 | 25.36733 |
| 21 CO | 20.48955 | 26.03251 | 34.85658 | 97.22397 | 1.61805 | 1.85728 | 11.24953 | 24.17238 |
| 22 CO | 19.65136 | 25.07471 | 33.62322 | 92.41759 | 1.54087 | 1.76870 | 10.71298 | 23.07494 |
| 23 CO | 18.88397 | 24.19097 | 32.49274 | 88.04230 | 1.47006 | 1.68741 | 10.22061 | 22.05924 |
| 24 CO | 18.17850 | 23.37192 | 31.45169 | 84.05885 | 1.40505 | 1.61279 | 9.76863 | 21.11311 |
| 25 CO | 17.52755 | 22.61005 | 30.48908 | 80.43240 | 1.34536 | 1.54427 | 9.35365 | 20.22725 |
| 26 CO | 16.92494 | 21.89934 | 29.59586 | 77.13193 | 1.29055 | 1.48136 | 8.97260 | 19.39457 |
| 27 CO | 16.36547 | 21.23491 | 28.76459 | 74.12979 | 1.24023 | 1.42361 | 8.62277 | 18.60980 |
| 28 CO | 15.84476 | 20.61280 | 27.98907 | 71.40140 | 1.19405 | 1.37059 | 8.30167 | 17.86904 |
| 29 CO | 15.35902 | 20.02976 | 27.26414 | 68.92489 | 1.15168 | 1.32196 | 8.00708 | 17.16945 |
| 30 CO | 14.90506 | 19.48303 | 26.58544 | 66.68082 | 1.11283 | 1.27737 | 7.73702 | 16.50898 |
| 31 CO | 14.48006 | 18.97033 | 25.94929 | 64.65189 | 1.07726 | 1.23654 | 7.48968 | 15.88615 |
| 32 CO | 14.08159 | 18.48961 | 25.35252 | 62.82275 | 1.04472 | 1.19919 | 7.26346 | 15.29991 |
| 33 CO | 13.70750 | 18.03911 | 24.79236 | 61.17980 | 1.01501 | 1.16508 | 7.05690 | 14.74941 |
| 34 CO | 13.35591 | 17.61720 | 24.26641 | 59.71106 | 0.98794 | 1.13401 | 6.86871 | 14.23401 |
| 35 CO | 13.02511 | 17.22240 | 23.77251 | 58.40592 | 0.96335 | 1.10578 | 6.69771 | 13.75304 |
| 36 CO | 12.71358 | 16.85332 | 23.30871 | 57.25513 | 0.94108 | 1.08022 | 6.54287 | 13.30587 |
| 37 CO | 12.41996 | 16.50863 | 22.87323 | 56.25063 | 0.92100 | 1.05717 | 6.40325 | 12.89178 |
| 38 CO | 12.14298 | 16.18706 | 22.46444 | 55.38547 | 0.90298 | 1.03649 | 6.27803 | 12.50991 |
| 39 CO | 11.88151 | 15.88739 | 22.08076 | 54.65372 | 0.88694 | 1.01808 | 6.16647 | 12.15929 |
| 40 CO | 11.63449 | 15.60840 | 21.72072 | 54.05042 | 0.87276 | 1.00181 | 6.06792 | 11.83875 |
| 41 CO | 11.40094 | 15.34886 | 21.38290 | 53.57150 | 0.86038 | 0.98759 | 5.98183 | 11.54689 |
| 42 CO | 11.17994 | 15.10754 | 21.06588 | 53.21378 | 0.84972 | 0.97535 | 5.90770 | 11.28216 |
| 43 CO | 10.97062 | 14.88315 | 20.76828 | 52.97485 | 0.84072 | 0.96502 | 5.84511 | 11.04266 |
| 44 CO | 10.77213 | 14.67432 | 20.48868 | 52.85315 | 0.83333 | 0.95654 | 5.79373 | 10.82626 |
| 45 CO | 10.58364 | 14.47953 | 20.22564 | 52.84786 | 0.82751 | 0.94985 | 5.75326 | 10.63047 |
| 46 CO | 10.40434 | 14.29711 | 19.97761 | 52.95895 | 0.82322 | 0.94494 | 5.72348 | 10.45246 |
| 47 CO | 10.23337 | 14.12517 | 19.74300 | 53.18717 | 0.82045 | 0.94176 | 5.70422 | 10.28895 |
| 48 CO | 10.06989 | 13.96156 | 19.52007 | 53.53402 | 0.81918 | 0.94030 | 5.69538 | 10.13623 |
| 49 CO | 10.06989 | 13.96156 | 19.52007 | 54.00180 | 0.81940 | 0.94055 | 5.69692 | 10.13623 |
| 50 CO | 10.06989 | 13.96156 | 19.52007 | 54.59364 | 0.82112 | 0.94252 | 5.70884 | 10.13623 |
| 51 CO | 10.06989 | 13.96156 | 19.52007 | 55.31351 | 0.82433 | 0.94621 | 5.73121 | 10.13623 |
| 52 CO | 10.06989 | 13.96156 | 19.52007 | 56.16632 | 0.82907 | 0.95165 | 5.76414 | 10.13623 |
| 53 CO | 10.06989 | 13.96156 | 19.52007 | 57.15788 | 0.83535 | 0.95886 | 5.80783 | 10.13623 |
| 54 CO | 10.06989 | 13.96156 | 19.52007 | 58.29506 | 0.84322 | 0.96789 | 5.86250 | 10.13623 |
| 55 CO | 10.06989 | 13.96156 | 19.52007 | 59.58580 | 0.85271 | 0.97878 | 5.92847 | 10.13623 |
| 56 CO | 11.51814 | 16.46437 | 23.27219 | 61.03927 | 0.86387 | 0.99160 | 6.00610 | 12.57733 |
| 57 CO | 12.96640 | 18.96718 | 27.02430 | 62.66589 | 0.87678 | 1.00641 | 6.09584 | 15.01843 |
| 58 CO | 14.41466 | 21.46999 | 30.77642 | 64.47757 | 0.89150 | 1.02331 | 6.19818 | 17.45953 |
| 59 CO | 15.86291 | 23.97281 | 34.52853 | 66.48772 | 0.90812 | 1.04239 | 6.31373 | 19.90064 |
| 60 CO | 17.31117 | 26.47562 | 38.28065 | 68.71156 | 0.92673 | 1.06375 | 6.44314 | 22.34174 |
| 61 CO | 18.75943 | 28.97844 | 42.03276 | 71.16615 | 0.94745 | 1.08754 | 6.58719 | 24.78284 |
| 62 CO | 20.20768 | 31.48125 | 45.78487 | 73.87079 | 0.97040 | 1.11387 | 6.74672 | 27.22393 |
| 63 CO | 21.65594 | 33.98406 | 49.53699 | 76.84708 | 0.99571 | 1.14293 | 6.92270 | 29.66504 |
| 64 CO | 23.10419 | 36.48687 | 53.28910 | 80.11935 | 1.02354 | 1.17488 | 7.11622 | 32.10614 |
| 65 CO | 24.55245 | 38.98969 | 57.04122 | 83.71494 | 1.05407 | 1.20992 | 7.32847 | 34.54724 |

# Table A-30
# Victoria 1996 NOX Emission Rates
# for Time Period 2

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 2.18968 | 2.43564 | 3.05984 | 4.37465 | 2.71882 | 3.15002 | 22.45594 | 0.82343 |
| 4 | NOX | 2.00813 | 2.23582 | 2.82047 | 4.41992 | 2.60431 | 3.01735 | 21.51015 | 0.78760 |
| 5 | NOX | 1.89859 | 2.11537 | 2.67691 | 4.46519 | 2.49817 | 2.89437 | 20.63348 | 0.75786 |
| 6 | NOX | 1.82517 | 2.03489 | 2.58144 | 4.51046 | 2.39976 | 2.78035 | 19.82067 | 0.73376 |
| 7 | NOX | 1.77248 | 1.97747 | 2.51358 | 4.55573 | 2.30850 | 2.67462 | 19.06693 | 0.71483 |
| 8 | NOX | 1.73282 | 1.93462 | 2.46308 | 4.60100 | 2.22387 | 2.57657 | 18.36791 | 0.70065 |
| 9 | NOX | 1.70189 | 1.90161 | 2.42423 | 4.64626 | 2.14539 | 2.48563 | 17.71967 | 0.69079 |
| 10 | NOX | 1.67712 | 1.87558 | 2.39357 | 4.69153 | 2.07261 | 2.40132 | 17.11859 | 0.68486 |
| 11 | NOX | 1.65687 | 1.85469 | 2.36893 | 4.73680 | 2.00515 | 2.32316 | 16.56141 | 0.68247 |
| 12 | NOX | 1.64002 | 1.83771 | 2.34881 | 4.78207 | 1.94264 | 2.25074 | 16.04513 | 0.68324 |
| 13 | NOX | 1.62583 | 1.82378 | 2.33220 | 4.82734 | 1.88476 | 2.18367 | 15.56703 | 0.68684 |
| 14 | NOX | 1.61372 | 1.81227 | 2.31834 | 4.87261 | 1.83120 | 2.12161 | 15.12464 | 0.69291 |
| 15 | NOX | 1.60330 | 1.80270 | 2.30670 | 4.91788 | 1.78168 | 2.06425 | 14.71570 | 0.70115 |
| 16 | NOX | 1.59427 | 1.79472 | 2.29685 | 4.96315 | 1.73597 | 2.01129 | 14.33817 | 0.71125 |
| 17 | NOX | 1.58638 | 1.78804 | 2.28848 | 5.00842 | 1.69384 | 1.96248 | 13.99017 | 0.72291 |
| 18 | NOX | 1.57944 | 1.78245 | 2.28133 | 5.05369 | 1.65508 | 1.91757 | 13.67002 | 0.73588 |
| 19 | NOX | 1.57332 | 1.77776 | 2.27519 | 5.09896 | 1.61950 | 1.87635 | 13.37617 | 0.74989 |
| 20 | NOX | 1.57536 | 1.77632 | 2.27511 | 5.14423 | 1.58694 | 1.83862 | 13.10724 | 0.76472 |
| 21 | NOX | 1.58534 | 1.78926 | 2.29373 | 5.18950 | 1.55725 | 1.80422 | 12.86197 | 0.78013 |
| 22 | NOX | 1.59449 | 1.80125 | 2.31086 | 5.23476 | 1.53028 | 1.77297 | 12.63923 | 0.79592 |
| 23 | NOX | 1.60291 | 1.81240 | 2.32667 | 5.28003 | 1.50591 | 1.74474 | 12.43799 | 0.81191 |
| 24 | NOX | 1.61070 | 1.82279 | 2.34132 | 5.32530 | 1.48404 | 1.71940 | 12.25734 | 0.82792 |
| 25 | NOX | 1.61792 | 1.83250 | 2.35494 | 5.37057 | 1.46457 | 1.69684 | 12.09649 | 0.84380 |
| 26 | NOX | 1.62464 | 1.84159 | 2.36763 | 5.41584 | 1.44740 | 1.67695 | 11.95471 | 0.85940 |
| 27 | NOX | 1.63092 | 1.85011 | 2.37949 | 5.46111 | 1.43247 | 1.65965 | 11.83138 | 0.87461 |
| 28 | NOX | 1.63680 | 1.85811 | 2.39060 | 5.50638 | 1.41970 | 1.64486 | 11.72596 | 0.88932 |
| 29 | NOX | 1.64232 | 1.86562 | 2.40102 | 5.55165 | 1.40905 | 1.63252 | 11.63799 | 0.90343 |
| 30 | NOX | 1.64753 | 1.87268 | 2.41083 | 5.59692 | 1.40047 | 1.62258 | 11.56710 | 0.91688 |
| 31 | NOX | 1.65244 | 1.87932 | 2.42008 | 5.64219 | 1.39392 | 1.61499 | 11.51298 | 0.92961 |
| 32 | NOX | 1.65709 | 1.88557 | 2.42883 | 5.68746 | 1.38937 | 1.60972 | 11.47539 | 0.94158 |
| 33 | NOX | 1.66150 | 1.89146 | 2.43711 | 5.73273 | 1.38680 | 1.60674 | 11.45418 | 0.95275 |
| 34 | NOX | 1.66570 | 1.89701 | 2.44497 | 5.77799 | 1.38620 | 1.60605 | 11.44926 | 0.96313 |
| 35 | NOX | 1.66971 | 1.90226 | 2.45246 | 5.82326 | 1.38758 | 1.60764 | 11.46060 | 0.97273 |
| 36 | NOX | 1.67354 | 1.90722 | 2.45962 | 5.86853 | 1.39093 | 1.61152 | 11.48825 | 0.98156 |
| 37 | NOX | 1.67722 | 1.91193 | 2.46647 | 5.91380 | 1.39626 | 1.61770 | 11.53234 | 0.98967 |
| 38 | NOX | 1.68076 | 1.91641 | 2.47307 | 5.95907 | 1.40361 | 1.62622 | 11.59304 | 0.99711 |
| 39 | NOX | 1.68418 | 1.92068 | 2.47944 | 6.00434 | 1.41301 | 1.63710 | 11.67063 | 1.00397 |
| 40 | NOX | 1.68749 | 1.92478 | 2.48562 | 6.04961 | 1.42448 | 1.65040 | 11.76542 | 1.01032 |
| 41 | NOX | 1.69072 | 1.92873 | 2.49165 | 6.09488 | 1.43809 | 1.66617 | 11.87785 | 1.01629 |
| 42 | NOX | 1.69388 | 1.93256 | 2.49757 | 6.14015 | 1.45390 | 1.68448 | 12.00838 | 1.02199 |
| 43 | NOX | 1.69698 | 1.93630 | 2.50340 | 6.18542 | 1.47197 | 1.70541 | 12.15761 | 1.02755 |
| 44 | NOX | 1.70003 | 1.93999 | 2.50919 | 6.23069 | 1.49238 | 1.72906 | 12.32618 | 1.03315 |
| 45 | NOX | 1.70307 | 1.94365 | 2.51497 | 6.27596 | 1.51522 | 1.75552 | 12.51484 | 1.03894 |
| 46 | NOX | 1.70609 | 1.94733 | 2.52078 | 6.32122 | 1.54060 | 1.78493 | 12.72445 | 1.04512 |
| 47 | NOX | 1.70911 | 1.95105 | 2.52665 | 6.36649 | 1.56862 | 1.81740 | 12.95595 | 1.05189 |
| 48 | NOX | 1.71216 | 1.95485 | 2.53264 | 6.41176 | 1.59943 | 1.85310 | 13.21041 | 1.05948 |
| 49 | NOX | 1.77481 | 2.03314 | 2.63875 | 6.45703 | 1.63316 | 1.89218 | 13.48901 | 1.09398 |
| 50 | NOX | 1.83746 | 2.11144 | 2.74485 | 6.50230 | 1.66998 | 1.93483 | 13.79305 | 1.12848 |
| 51 | NOX | 1.90010 | 2.18973 | 2.85096 | 6.54757 | 1.71004 | 1.98125 | 14.12399 | 1.16298 |
| 52 | NOX | 1.96275 | 2.26802 | 2.95707 | 6.59284 | 1.75356 | 2.03167 | 14.48343 | 1.19748 |
| 53 | NOX | 2.02540 | 2.34632 | 3.06317 | 6.63811 | 1.80074 | 2.08633 | 14.87311 | 1.23198 |
| 54 | NOX | 2.08805 | 2.42461 | 3.16928 | 6.68338 | 1.85182 | 2.14551 | 15.29499 | 1.26648 |
| 55 | NOX | 2.15070 | 2.50290 | 3.27539 | 6.72865 | 1.90705 | 2.20950 | 15.75118 | 1.30098 |
| 56 | NOX | 2.21335 | 2.58120 | 3.38149 | 6.77392 | 1.96672 | 2.27864 | 16.24402 | 1.33548 |
| 57 | NOX | 2.27599 | 2.65949 | 3.48760 | 6.81919 | 2.03114 | 2.35327 | 16.77610 | 1.36998 |
| 58 | NOX | 2.33864 | 2.73778 | 3.59371 | 6.86445 | 2.10065 | 2.43381 | 17.35022 | 1.40448 |
| 59 | NOX | 2.40129 | 2.81607 | 3.69982 | 6.90972 | 2.17563 | 2.52068 | 17.96948 | 1.43898 |
| 60 | NOX | 2.46394 | 2.89437 | 3.80592 | 6.95499 | 2.25649 | 2.61435 | 18.63730 | 1.47348 |
| 61 | NOX | 2.52659 | 2.97266 | 3.91203 | 7.00026 | 2.34367 | 2.71537 | 19.35740 | 1.50798 |
| 62 | NOX | 2.58923 | 3.05095 | 4.01814 | 7.04553 | 2.43769 | 2.82429 | 20.13390 | 1.54248 |
| 63 | NOX | 2.65188 | 3.12925 | 4.12424 | 7.09080 | 2.53907 | 2.94176 | 20.97130 | 1.57698 |
| 64 | NOX | 2.71453 | 3.20754 | 4.23035 | 7.13607 | 2.64844 | 3.06846 | 21.87458 | 1.61148 |
| 65 | NOX | 2.77718 | 3.28583 | 4.33646 | 7.18134 | 2.76643 | 3.20518 | 22.84917 | 1.64597 |

# Table A-31
# Victoria 1996 VOC Emission Rates
# for Time Period 3

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 17.56200 | 18.73425 | 26.80989 | 41.52729 | 1.61153 | 2.30014 | 5.16015 | 11.29747 |
| 4 | VOC | 12.10345 | 12.99359 | 18.49515 | 30.97119 | 1.52999 | 2.18376 | 4.89907 | 9.75923 |
| 5 | VOC | 9.23371 | 9.95507 | 14.08898 | 25.37259 | 1.45386 | 2.07510 | 4.65530 | 8.61994 |
| 6 | VOC | 7.48951 | 8.09871 | 11.39422 | 21.82047 | 1.38273 | 1.97358 | 4.42755 | 7.76001 |
| 7 | VOC | 6.32688 | 6.85736 | 9.59126 | 19.30040 | 1.31624 | 1.87868 | 4.21465 | 7.09971 |
| 8 | VOC | 5.68943 | 6.13178 | 8.52710 | 17.77174 | 1.25405 | 1.78992 | 4.01552 | 6.58473 |
| 9 | VOC | 5.19903 | 5.57833 | 7.71760 | 16.49547 | 1.19586 | 1.70685 | 3.82916 | 6.17730 |
| 10 | VOC | 4.79272 | 5.13005 | 7.06563 | 15.37441 | 1.14136 | 1.62907 | 3.65467 | 5.85067 |
| 11 | VOC | 4.44763 | 4.75852 | 6.52881 | 14.38041 | 1.09031 | 1.55620 | 3.49120 | 5.58556 |
| 12 | VOC | 4.14846 | 4.44453 | 6.07850 | 13.49272 | 1.04246 | 1.48791 | 3.33798 | 5.36783 |
| 13 | VOC | 3.88460 | 4.17471 | 5.69464 | 12.69537 | 0.99758 | 1.42386 | 3.19429 | 5.18694 |
| 14 | VOC | 3.64843 | 3.93944 | 5.36281 | 11.97576 | 0.95548 | 1.36377 | 3.05948 | 5.03497 |
| 15 | VOC | 3.43438 | 3.73163 | 5.07238 | 11.32364 | 0.91596 | 1.30736 | 2.93294 | 4.90584 |
| 16 | VOC | 3.23825 | 3.54596 | 4.81535 | 10.73057 | 0.87885 | 1.25439 | 2.81411 | 4.79484 |
| 17 | VOC | 3.05683 | 3.37834 | 4.58561 | 10.18947 | 0.84399 | 1.20463 | 2.70247 | 4.69832 |
| 18 | VOC | 2.88765 | 3.22564 | 4.37840 | 9.69432 | 0.81122 | 1.15786 | 2.59754 | 4.61339 |
| 19 | VOC | 2.72873 | 3.08537 | 4.18998 | 9.24000 | 0.78041 | 1.11388 | 2.49889 | 4.53777 |
| 20 | VOC | 2.59394 | 2.96953 | 4.03630 | 8.83836 | 0.75143 | 1.07252 | 2.40610 | 4.46967 |
| 21 | VOC | 2.49870 | 2.86576 | 3.89221 | 8.49368 | 0.72416 | 1.03360 | 2.31879 | 4.40765 |
| 22 | VOC | 2.41121 | 2.77067 | 3.76061 | 8.17819 | 0.69850 | 0.99697 | 2.23662 | 4.35057 |
| 23 | VOC | 2.33046 | 2.68308 | 3.63980 | 7.88894 | 0.67434 | 0.96249 | 2.15926 | 4.29755 |
| 24 | VOC | 2.25561 | 2.60206 | 3.52839 | 7.62333 | 0.65159 | 0.93002 | 2.08641 | 4.24791 |
| 25 | VOC | 2.18594 | 2.52683 | 3.42524 | 7.37909 | 0.63016 | 0.89943 | 2.01780 | 4.20112 |
| 26 | VOC | 2.12087 | 2.45676 | 3.32939 | 7.15418 | 0.60997 | 0.87062 | 1.95316 | 4.15677 |
| 27 | VOC | 2.05990 | 2.39130 | 3.24005 | 6.94680 | 0.59095 | 0.84347 | 1.89225 | 4.11460 |
| 28 | VOC | 2.00259 | 2.33003 | 3.15656 | 6.75536 | 0.57303 | 0.81789 | 1.83486 | 4.07440 |
| 29 | VOC | 1.94859 | 2.27256 | 3.07837 | 6.57843 | 0.55614 | 0.79378 | 1.78077 | 4.03605 |
| 30 | VOC | 1.89757 | 2.21859 | 3.00499 | 6.41472 | 0.54022 | 0.77106 | 1.72980 | 3.99947 |
| 31 | VOC | 1.84926 | 2.16782 | 2.93602 | 6.26310 | 0.52522 | 0.74965 | 1.68177 | 3.96463 |
| 32 | VOC | 1.80343 | 2.12004 | 2.87111 | 6.12255 | 0.51109 | 0.72948 | 1.63651 | 3.93154 |
| 33 | VOC | 1.75987 | 2.07503 | 2.80997 | 5.99213 | 0.49777 | 0.71047 | 1.59387 | 3.90022 |
| 34 | VOC | 1.71838 | 2.03260 | 2.75232 | 5.87103 | 0.48523 | 0.69257 | 1.55371 | 3.87069 |
| 35 | VOC | 1.67880 | 1.99259 | 2.69792 | 5.75851 | 0.47342 | 0.67571 | 1.51589 | 3.84300 |
| 36 | VOC | 1.64099 | 1.95484 | 2.64657 | 5.65388 | 0.46230 | 0.65985 | 1.48030 | 3.81719 |
| 37 | VOC | 1.60482 | 1.91921 | 2.59808 | 5.55655 | 0.45184 | 0.64492 | 1.44682 | 3.79329 |
| 38 | VOC | 1.57016 | 1.88557 | 2.55225 | 5.46597 | 0.44201 | 0.63089 | 1.41533 | 3.77132 |
| 39 | VOC | 1.53690 | 1.85380 | 2.50894 | 5.38165 | 0.43277 | 0.61770 | 1.38576 | 3.75130 |
| 40 | VOC | 1.50495 | 1.82378 | 2.46799 | 5.30315 | 0.42410 | 0.60533 | 1.35799 | 3.73321 |
| 41 | VOC | 1.47421 | 1.79539 | 2.42924 | 5.23006 | 0.41597 | 0.59372 | 1.33195 | 3.71703 |
| 42 | VOC | 1.44460 | 1.76852 | 2.39256 | 5.16201 | 0.40836 | 0.58285 | 1.30756 | 3.70272 |
| 43 | VOC | 1.41604 | 1.74308 | 2.35780 | 5.09869 | 0.40123 | 0.57268 | 1.28475 | 3.69019 |
| 44 | VOC | 1.38846 | 1.71893 | 2.32484 | 5.03980 | 0.39458 | 0.56318 | 1.26345 | 3.67935 |
| 45 | VOC | 1.36178 | 1.69598 | 2.29353 | 4.98506 | 0.38838 | 0.55433 | 1.24359 | 3.67004 |
| 46 | VOC | 1.33594 | 1.67411 | 2.26374 | 4.93425 | 0.38261 | 0.54610 | 1.22513 | 3.66210 |
| 47 | VOC | 1.31086 | 1.65318 | 2.23531 | 4.88713 | 0.37726 | 0.53847 | 1.20800 | 3.65529 |
| 48 | VOC | 1.28693 | 1.63289 | 2.20768 | 4.84299 | 0.37231 | 0.53141 | 1.19216 | 3.64936 |
| 49 | VOC | 1.27921 | 1.62467 | 2.19572 | 4.79773 | 0.36775 | 0.52490 | 1.17756 | 3.64936 |
| 50 | VOC | 1.27195 | 1.61694 | 2.18446 | 4.75650 | 0.36357 | 0.51893 | 1.16417 | 3.64936 |
| 51 | VOC | 1.26510 | 1.60966 | 2.17384 | 4.71906 | 0.35975 | 0.51348 | 1.15194 | 3.64936 |
| 52 | VOC | 1.25863 | 1.60278 | 2.16383 | 4.68525 | 0.35629 | 0.50853 | 1.14084 | 3.64936 |
| 53 | VOC | 1.25252 | 1.59628 | 2.15438 | 4.65490 | 0.35317 | 0.50408 | 1.13085 | 3.64936 |
| 54 | VOC | 1.24675 | 1.59014 | 2.14544 | 4.62786 | 0.35038 | 0.50010 | 1.12193 | 3.64936 |
| 55 | VOC | 1.24128 | 1.58432 | 2.13698 | 4.60402 | 0.34792 | 0.49659 | 1.11405 | 3.64936 |
| 56 | VOC | 1.27464 | 1.64093 | 2.22404 | 4.58327 | 0.34578 | 0.49354 | 1.10721 | 3.72517 |
| 57 | VOC | 1.30827 | 1.69783 | 2.31151 | 4.56552 | 0.34396 | 0.49094 | 1.10138 | 3.80098 |
| 58 | VOC | 1.34215 | 1.75498 | 2.39937 | 4.55070 | 0.34245 | 0.48879 | 1.09655 | 3.87679 |
| 59 | VOC | 1.37626 | 1.81239 | 2.48759 | 4.53876 | 0.34125 | 0.48707 | 1.09269 | 3.95260 |
| 60 | VOC | 1.41059 | 1.87002 | 2.57614 | 4.52965 | 0.34035 | 0.48578 | 1.08981 | 4.02841 |
| 61 | VOC | 1.44512 | 1.92787 | 2.66501 | 4.52334 | 0.33975 | 0.48493 | 1.08790 | 4.10422 |
| 62 | VOC | 1.47984 | 1.98592 | 2.75418 | 4.51982 | 0.33945 | 0.48450 | 1.08694 | 4.18003 |
| 63 | VOC | 1.51474 | 2.04416 | 2.84362 | 4.51911 | 0.33945 | 0.48450 | 1.08694 | 4.25584 |
| 64 | VOC | 1.54980 | 2.10258 | 2.93332 | 4.52120 | 0.33975 | 0.48493 | 1.08790 | 4.33165 |
| 65 | VOC | 1.58502 | 2.16116 | 3.02326 | 4.52613 | 0.34035 | 0.48578 | 1.08981 | 4.40746 |

# Table A-32
# Victoria 1996 CO Emission Rates
# for Time Period 3

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 106.64723 | 142.29700 | 214.70044 | 360.93829 | 5.32334 | 6.11041 | 37.01066 | 169.36147 |
| 4 CO | 81.89822 | 109.18907 | 164.21959 | 329.77371 | 4.90606 | 5.63143 | 34.10950 | 135.06932 |
| 5 CO | 66.88608 | 88.80945 | 132.74535 | 301.96365 | 4.52972 | 5.19946 | 31.49302 | 110.31872 |
| 6 CO | 56.81869 | 75.04259 | 111.29613 | 277.10785 | 4.18987 | 4.80936 | 29.13022 | 92.05479 |
| 7 CO | 49.61015 | 65.16132 | 95.81099 | 254.85809 | 3.88258 | 4.45663 | 26.99377 | 78.30249 |
| 8 CO | 44.20300 | 57.75459 | 84.16075 | 234.91101 | 3.60438 | 4.13730 | 25.05958 | 67.75388 |
| 9 CO | 40.00291 | 52.01641 | 75.11527 | 217.00204 | 3.35221 | 3.84785 | 23.30636 | 59.52335 |
| 10 CO | 36.65004 | 47.45268 | 67.91316 | 200.89992 | 3.12336 | 3.58516 | 21.71528 | 52.99877 |
| 11 CO | 33.91375 | 43.74373 | 62.05831 | 186.40222 | 2.91544 | 3.34650 | 20.26968 | 47.74881 |
| 12 CO | 31.63949 | 40.67381 | 57.21420 | 173.33163 | 2.72631 | 3.12941 | 18.95478 | 43.46417 |
| 13 CO | 29.71984 | 38.09222 | 53.14496 | 161.53262 | 2.55410 | 2.93173 | 17.75747 | 39.91936 |
| 14 CO | 28.07788 | 35.89063 | 49.68078 | 150.86823 | 2.39713 | 2.75155 | 16.66609 | 36.94757 |
| 15 CO | 26.65709 | 33.98927 | 46.69654 | 141.21826 | 2.25390 | 2.58714 | 15.67028 | 34.42372 |
| 16 CO | 25.41510 | 32.32825 | 44.09830 | 132.47670 | 2.12309 | 2.43699 | 14.76082 | 32.25294 |
| 17 CO | 24.31949 | 30.86184 | 41.81426 | 124.54993 | 2.00351 | 2.29973 | 13.92946 | 30.36254 |
| 18 CO | 23.34512 | 29.55468 | 39.78886 | 117.35539 | 1.89411 | 2.17416 | 13.16887 | 28.69637 |
| 19 CO | 22.47221 | 28.37913 | 37.97850 | 110.81996 | 1.79395 | 2.05919 | 12.47250 | 27.21087 |
| 20 CO | 21.56940 | 27.40924 | 36.59968 | 104.87895 | 1.70218 | 1.95385 | 11.83447 | 25.87202 |
| 21 CO | 20.64260 | 26.35428 | 35.23288 | 99.47505 | 1.61805 | 1.85728 | 11.24953 | 24.65329 |
| 22 CO | 19.79799 | 25.38577 | 33.98672 | 94.55737 | 1.54087 | 1.76870 | 10.71298 | 23.53402 |
| 23 CO | 19.02467 | 24.49190 | 32.84446 | 90.08080 | 1.47006 | 1.68741 | 10.22061 | 22.49811 |
| 24 CO | 18.31368 | 23.66321 | 31.79251 | 86.00511 | 1.40505 | 1.61279 | 9.76863 | 21.53315 |
| 25 CO | 17.65759 | 22.89216 | 30.81977 | 82.29470 | 1.34536 | 1.54427 | 9.35365 | 20.62967 |
| 26 CO | 17.05017 | 22.17270 | 29.91712 | 78.91779 | 1.29055 | 1.48136 | 8.97260 | 19.78042 |
| 27 CO | 16.48619 | 21.49993 | 29.07704 | 75.84615 | 1.24023 | 1.42361 | 8.62277 | 18.98004 |
| 28 CO | 15.96125 | 20.86988 | 28.29327 | 73.05457 | 1.19405 | 1.37059 | 8.30167 | 18.22454 |
| 29 CO | 15.47155 | 20.27930 | 27.56061 | 70.52074 | 1.15168 | 1.32196 | 8.00708 | 17.51104 |
| 30 CO | 15.01386 | 19.72545 | 26.87467 | 68.22471 | 1.11283 | 1.27737 | 7.73702 | 16.83742 |
| 31 CO | 14.58536 | 19.20602 | 26.23171 | 66.14880 | 1.07726 | 1.23654 | 7.48968 | 16.20221 |
| 32 CO | 14.18361 | 18.71902 | 25.62856 | 64.27732 | 1.04472 | 1.19919 | 7.26346 | 15.60430 |
| 33 CO | 13.80646 | 18.26265 | 25.06242 | 62.59633 | 1.01501 | 1.16508 | 7.05690 | 15.04284 |
| 34 CO | 13.45199 | 17.83529 | 24.53087 | 61.09359 | 0.98794 | 1.13401 | 6.86871 | 14.51719 |
| 35 CO | 13.11851 | 17.43546 | 24.03173 | 59.75823 | 0.96335 | 1.10578 | 6.69771 | 14.02666 |
| 36 CO | 12.80448 | 17.06178 | 23.56303 | 58.58080 | 0.94108 | 1.08022 | 6.54287 | 13.57059 |
| 37 CO | 12.50852 | 16.71291 | 23.12299 | 57.55303 | 0.92100 | 1.05717 | 6.40325 | 13.14826 |
| 38 CO | 12.22938 | 16.38756 | 22.70993 | 56.66784 | 0.90298 | 1.03649 | 6.27803 | 12.75879 |
| 39 CO | 11.96590 | 16.08451 | 22.32230 | 55.91916 | 0.88694 | 1.01808 | 6.16647 | 12.40120 |
| 40 CO | 11.71702 | 15.80251 | 21.95857 | 55.30188 | 0.87276 | 1.00181 | 6.06792 | 12.07429 |
| 41 CO | 11.48176 | 15.54033 | 21.61734 | 54.81188 | 0.86038 | 0.98759 | 5.98183 | 11.77662 |
| 42 CO | 11.25917 | 15.29672 | 21.29715 | 54.44586 | 0.84972 | 0.97535 | 5.90770 | 11.50662 |
| 43 CO | 11.04838 | 15.07035 | 20.99662 | 54.20140 | 0.84072 | 0.96502 | 5.84511 | 11.26235 |
| 44 CO | 10.84853 | 14.85982 | 20.71430 | 54.07688 | 0.83333 | 0.95654 | 5.79373 | 11.04165 |
| 45 CO | 10.65879 | 14.66359 | 20.44873 | 54.07148 | 0.82751 | 0.94985 | 5.75326 | 10.84196 |
| 46 CO | 10.47831 | 14.47993 | 20.19835 | 54.18515 | 0.82322 | 0.94494 | 5.72348 | 10.66041 |
| 47 CO | 10.30625 | 14.30690 | 19.96154 | 54.41865 | 0.82045 | 0.94176 | 5.70422 | 10.49365 |
| 48 CO | 10.14173 | 14.14228 | 19.73653 | 54.77353 | 0.81918 | 0.94030 | 5.69538 | 10.33789 |
| 49 CO | 10.14173 | 14.14228 | 19.73653 | 55.25214 | 0.81940 | 0.94055 | 5.69692 | 10.33789 |
| 50 CO | 10.14173 | 14.14228 | 19.73653 | 55.85768 | 0.82112 | 0.94252 | 5.70884 | 10.33789 |
| 51 CO | 10.14173 | 14.14228 | 19.73653 | 56.59422 | 0.82433 | 0.94621 | 5.73121 | 10.33789 |
| 52 CO | 10.14173 | 14.14228 | 19.73653 | 57.46677 | 0.82907 | 0.95165 | 5.76414 | 10.33789 |
| 53 CO | 10.14173 | 14.14228 | 19.73653 | 58.48129 | 0.83535 | 0.95886 | 5.80783 | 10.33789 |
| 54 CO | 10.14173 | 14.14228 | 19.73653 | 59.64480 | 0.84322 | 0.96789 | 5.86250 | 10.33789 |
| 55 CO | 10.14173 | 14.14228 | 19.73653 | 60.96543 | 0.85271 | 0.97878 | 5.92847 | 10.33789 |
| 56 CO | 11.60559 | 16.68682 | 23.53804 | 62.45254 | 0.86387 | 0.99160 | 6.00610 | 12.82756 |
| 57 CO | 13.06944 | 19.23136 | 27.33954 | 64.11683 | 0.87678 | 1.00641 | 6.09584 | 15.31723 |
| 58 CO | 14.53330 | 21.77590 | 31.14106 | 65.97045 | 0.89150 | 1.02331 | 6.19818 | 17.80689 |
| 59 CO | 15.99715 | 24.32044 | 34.94257 | 68.02715 | 0.90812 | 1.04239 | 6.31373 | 20.29656 |
| 60 CO | 17.46101 | 26.86497 | 38.74408 | 70.30247 | 0.92673 | 1.06375 | 6.44314 | 22.78623 |
| 61 CO | 18.92486 | 29.40951 | 42.54559 | 72.81389 | 0.94745 | 1.08754 | 6.58719 | 25.27589 |
| 62 CO | 20.38872 | 31.95405 | 46.34709 | 75.58115 | 0.97040 | 1.11387 | 6.74672 | 27.76556 |
| 63 CO | 21.85258 | 34.49859 | 50.14861 | 78.62636 | 0.99571 | 1.14293 | 6.92270 | 30.25523 |
| 64 CO | 23.31643 | 37.04313 | 53.95012 | 81.97438 | 1.02354 | 1.17488 | 7.11622 | 32.74489 |
| 65 CO | 24.78028 | 39.58766 | 57.75162 | 85.65323 | 1.05407 | 1.20992 | 7.32847 | 35.23456 |

# Table A-33
# Victoria 1996 NOX Emission Rates
# for Time Period 3

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 NOX | 2.19030 | 2.43502 | 3.05671 | 4.35702 | 2.71882 | 3.15002 | 22.45594 | 0.81670 |
| 4 NOX | 2.00857 | 2.23511 | 2.81725 | 4.40211 | 2.60431 | 3.01735 | 21.51015 | 0.78116 |
| 5 NOX | 1.89894 | 2.11463 | 2.67365 | 4.44719 | 2.49817 | 2.89437 | 20.63348 | 0.75167 |
| 6 NOX | 1.82546 | 2.03413 | 2.57814 | 4.49228 | 2.39976 | 2.78035 | 19.82067 | 0.72776 |
| 7 NOX | 1.77274 | 1.97669 | 2.51025 | 4.53737 | 2.30850 | 2.67462 | 19.06693 | 0.70899 |
| 8 NOX | 1.73305 | 1.93383 | 2.45973 | 4.58245 | 2.22387 | 2.57657 | 18.36791 | 0.69492 |
| 9 NOX | 1.70211 | 1.90080 | 2.42084 | 4.62754 | 2.14539 | 2.48563 | 17.71967 | 0.68514 |
| 10 NOX | 1.67734 | 1.87476 | 2.39016 | 4.67263 | 2.07261 | 2.40132 | 17.11859 | 0.67926 |
| 11 NOX | 1.65708 | 1.85386 | 2.36549 | 4.71771 | 2.00515 | 2.32316 | 16.56141 | 0.67689 |
| 12 NOX | 1.64023 | 1.83687 | 2.34534 | 4.76280 | 1.94264 | 2.25074 | 16.04513 | 0.67766 |
| 13 NOX | 1.62603 | 1.82293 | 2.32870 | 4.80789 | 1.88476 | 2.18367 | 15.56703 | 0.68122 |
| 14 NOX | 1.61392 | 1.81139 | 2.31481 | 4.85297 | 1.83120 | 2.12161 | 15.12464 | 0.68725 |
| 15 NOX | 1.60350 | 1.80181 | 2.30314 | 4.89806 | 1.78168 | 2.06425 | 14.71570 | 0.69542 |
| 16 NOX | 1.59447 | 1.79381 | 2.29326 | 4.94315 | 1.73597 | 2.01129 | 14.33817 | 0.70543 |
| 17 NOX | 1.58657 | 1.78711 | 2.28485 | 4.98823 | 1.69384 | 1.96248 | 13.99017 | 0.71700 |
| 18 NOX | 1.57964 | 1.78150 | 2.27766 | 5.03332 | 1.65508 | 1.91757 | 13.67002 | 0.72986 |
| 19 NOX | 1.57351 | 1.77679 | 2.27149 | 5.07841 | 1.61950 | 1.87635 | 13.37617 | 0.74376 |
| 20 NOX | 1.57555 | 1.77532 | 2.27136 | 5.12350 | 1.58694 | 1.83862 | 13.10724 | 0.75846 |
| 21 NOX | 1.58555 | 1.78823 | 2.28995 | 5.16858 | 1.55725 | 1.80422 | 12.86197 | 0.77375 |
| 22 NOX | 1.59472 | 1.80020 | 2.30704 | 5.21367 | 1.53028 | 1.77297 | 12.63923 | 0.78941 |
| 23 NOX | 1.60315 | 1.81133 | 2.32281 | 5.25875 | 1.50591 | 1.74474 | 12.43799 | 0.80527 |
| 24 NOX | 1.61094 | 1.82170 | 2.33743 | 5.30384 | 1.48404 | 1.71940 | 12.25734 | 0.82115 |
| 25 NOX | 1.61817 | 1.83138 | 2.35101 | 5.34893 | 1.46457 | 1.69684 | 12.09649 | 0.83690 |
| 26 NOX | 1.62490 | 1.84045 | 2.36366 | 5.39401 | 1.44740 | 1.67695 | 11.95471 | 0.85237 |
| 27 NOX | 1.63118 | 1.84895 | 2.37549 | 5.43910 | 1.43247 | 1.65965 | 11.83138 | 0.86746 |
| 28 NOX | 1.63707 | 1.85692 | 2.38656 | 5.48419 | 1.41970 | 1.64486 | 11.72596 | 0.88205 |
| 29 NOX | 1.64259 | 1.86441 | 2.39696 | 5.52928 | 1.40905 | 1.63252 | 11.63799 | 0.89605 |
| 30 NOX | 1.64780 | 1.87145 | 2.40673 | 5.57436 | 1.40047 | 1.62258 | 11.56710 | 0.90939 |
| 31 NOX | 1.65271 | 1.87807 | 2.41595 | 5.61945 | 1.39392 | 1.61499 | 11.51298 | 0.92201 |
| 32 NOX | 1.65736 | 1.88430 | 2.42467 | 5.66454 | 1.38937 | 1.60972 | 11.47539 | 0.93388 |
| 33 NOX | 1.66177 | 1.89017 | 2.43292 | 5.70962 | 1.38680 | 1.60674 | 11.45418 | 0.94496 |
| 34 NOX | 1.66596 | 1.89571 | 2.44075 | 5.75471 | 1.38620 | 1.60605 | 11.44926 | 0.95526 |
| 35 NOX | 1.66997 | 1.90093 | 2.44822 | 5.79980 | 1.38758 | 1.60764 | 11.46060 | 0.96477 |
| 36 NOX | 1.67379 | 1.90588 | 2.45534 | 5.84488 | 1.39093 | 1.61152 | 11.48825 | 0.97353 |
| 37 NOX | 1.67747 | 1.91057 | 2.46217 | 5.88997 | 1.39626 | 1.61770 | 11.53234 | 0.98157 |
| 38 NOX | 1.68100 | 1.91503 | 2.46874 | 5.93506 | 1.40361 | 1.62622 | 11.59304 | 0.98896 |
| 39 NOX | 1.68441 | 1.91929 | 2.47508 | 5.98014 | 1.41301 | 1.63710 | 11.67063 | 0.99576 |
| 40 NOX | 1.68772 | 1.92337 | 2.48123 | 6.02523 | 1.42448 | 1.65040 | 11.76542 | 1.00206 |
| 41 NOX | 1.69094 | 1.92731 | 2.48723 | 6.07032 | 1.43809 | 1.66617 | 11.87785 | 1.00798 |
| 42 NOX | 1.69408 | 1.93112 | 2.49311 | 6.11540 | 1.45390 | 1.68448 | 12.00838 | 1.01363 |
| 43 NOX | 1.69717 | 1.93484 | 2.49891 | 6.16049 | 1.47197 | 1.70541 | 12.15761 | 1.01915 |
| 44 NOX | 1.70021 | 1.93851 | 2.50466 | 6.20558 | 1.49238 | 1.72906 | 12.32618 | 1.02470 |
| 45 NOX | 1.70323 | 1.94215 | 2.51040 | 6.25066 | 1.51522 | 1.75552 | 12.51484 | 1.03044 |
| 46 NOX | 1.70623 | 1.94580 | 2.51616 | 6.29575 | 1.54060 | 1.78493 | 12.72445 | 1.03657 |
| 47 NOX | 1.70924 | 1.94950 | 2.52200 | 6.34084 | 1.56862 | 1.81740 | 12.95595 | 1.04329 |
| 48 NOX | 1.71226 | 1.95328 | 2.52793 | 6.38592 | 1.59943 | 1.85310 | 13.21041 | 1.05082 |
| 49 NOX | 1.77489 | 2.03150 | 2.63381 | 6.43101 | 1.63316 | 1.89218 | 13.48901 | 1.08504 |
| 50 NOX | 1.83752 | 2.10972 | 2.73969 | 6.47610 | 1.66998 | 1.93483 | 13.79305 | 1.11926 |
| 51 NOX | 1.90016 | 2.18795 | 2.84557 | 6.52118 | 1.71004 | 1.98125 | 14.12399 | 1.15347 |
| 52 NOX | 1.96279 | 2.26617 | 2.95146 | 6.56627 | 1.75356 | 2.03167 | 14.48343 | 1.18769 |
| 53 NOX | 2.02542 | 2.34439 | 3.05734 | 6.61136 | 1.80074 | 2.08633 | 14.87311 | 1.22191 |
| 54 NOX | 2.08805 | 2.42261 | 3.16322 | 6.65645 | 1.85182 | 2.14551 | 15.29499 | 1.25613 |
| 55 NOX | 2.15068 | 2.50084 | 3.26910 | 6.70153 | 1.90705 | 2.20950 | 15.75118 | 1.29034 |
| 56 NOX | 2.21331 | 2.57906 | 3.37498 | 6.74662 | 1.96672 | 2.27864 | 16.24402 | 1.32456 |
| 57 NOX | 2.27595 | 2.65728 | 3.48086 | 6.79171 | 2.03114 | 2.35327 | 16.77610 | 1.35878 |
| 58 NOX | 2.33858 | 2.73550 | 3.58674 | 6.83679 | 2.10065 | 2.43381 | 17.35022 | 1.39300 |
| 59 NOX | 2.40121 | 2.81373 | 3.69262 | 6.88188 | 2.17563 | 2.52068 | 17.96948 | 1.42721 |
| 60 NOX | 2.46384 | 2.89195 | 3.79850 | 6.92696 | 2.25649 | 2.61435 | 18.63730 | 1.46143 |
| 61 NOX | 2.52647 | 2.97017 | 3.90439 | 6.97205 | 2.34367 | 2.71537 | 19.35740 | 1.49565 |
| 62 NOX | 2.58910 | 3.04839 | 4.01027 | 7.01714 | 2.43769 | 2.82429 | 20.13390 | 1.52986 |
| 63 NOX | 2.65173 | 3.12662 | 4.11615 | 7.06223 | 2.53907 | 2.94176 | 20.97130 | 1.56408 |
| 64 NOX | 2.71437 | 3.20484 | 4.22203 | 7.10731 | 2.64844 | 3.06846 | 21.87458 | 1.59830 |
| 65 NOX | 2.77700 | 3.28306 | 4.32791 | 7.15240 | 2.76643 | 3.20518 | 22.84917 | 1.63252 |

# Table A-34
# Victoria 1996 VOC Emission Rates
# for Time Period 4

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 VOC | 12.15613 | 14.80820 | 21.11837 | 28.20348 | 1.61153 | 2.30014 | 5.16015 | 10.23580 |
| 4 VOC | 8.65531 | 10.68237 | 15.19471 | 22.25285 | 1.52999 | 2.18376 | 4.89907 | 8.68289 |
| 5 VOC | 6.75806 | 8.40099 | 11.90163 | 18.87885 | 1.45386 | 2.07510 | 4.65530 | 7.53273 |
| 6 VOC | 5.57795 | 6.96114 | 9.81494 | 16.59632 | 1.38273 | 1.97358 | 4.42755 | 6.66459 |
| 7 VOC | 4.77692 | 5.97382 | 8.38072 | 14.88474 | 1.31624 | 1.87868 | 4.21465 | 5.99800 |
| 8 VOC | 4.29130 | 5.35676 | 7.46761 | 13.71696 | 1.25405 | 1.78992 | 4.01552 | 5.47810 |
| 9 VOC | 3.91809 | 4.87829 | 6.76288 | 12.71642 | 1.19586 | 1.70685 | 3.82916 | 5.06678 |
| 10 VOC | 3.61451 | 4.48727 | 6.19236 | 11.82974 | 1.14136 | 1.62907 | 3.65467 | 4.73704 |
| 11 VOC | 3.36164 | 4.16005 | 5.72003 | 11.03880 | 1.09031 | 1.55620 | 3.49120 | 4.46940 |
| 12 VOC | 3.14680 | 3.88070 | 5.32147 | 10.32970 | 1.04246 | 1.48791 | 3.33798 | 4.24959 |
| 13 VOC | 2.96120 | 3.63808 | 4.97957 | 9.69141 | 0.99758 | 1.42386 | 3.19429 | 4.06698 |
| 14 VOC | 2.79853 | 3.42419 | 4.68202 | 9.11489 | 0.95548 | 1.36377 | 3.05948 | 3.91356 |
| 15 VOC | 2.65418 | 3.23313 | 4.41971 | 8.59265 | 0.91596 | 1.30736 | 2.93294 | 3.78319 |
| 16 VOC | 2.52466 | 3.06047 | 4.18579 | 8.11835 | 0.87885 | 1.25439 | 2.81411 | 3.67113 |
| 17 VOC | 2.40733 | 2.90283 | 3.97505 | 7.68657 | 0.84399 | 1.20463 | 2.70247 | 3.57369 |
| 18 VOC | 2.30012 | 2.75758 | 3.78340 | 7.29266 | 0.81122 | 1.15786 | 2.59754 | 3.48795 |
| 19 VOC | 2.20140 | 2.62265 | 3.60765 | 6.93256 | 0.78041 | 1.11388 | 2.49889 | 3.41161 |
| 20 VOC | 2.10907 | 2.51492 | 3.46769 | 6.60840 | 0.75143 | 1.07252 | 2.40610 | 3.34286 |
| 21 VOC | 2.03056 | 2.42645 | 3.34362 | 6.31989 | 0.72416 | 1.03360 | 2.31879 | 3.28024 |
| 22 VOC | 1.95870 | 2.34535 | 3.23021 | 6.05586 | 0.69850 | 0.99697 | 2.23662 | 3.22262 |
| 23 VOC | 1.89261 | 2.27064 | 3.12602 | 5.81389 | 0.67434 | 0.96249 | 2.15926 | 3.16910 |
| 24 VOC | 1.83156 | 2.20150 | 3.02984 | 5.59186 | 0.65159 | 0.93002 | 2.08641 | 3.11899 |
| 25 VOC | 1.77495 | 2.13730 | 2.94071 | 5.38788 | 0.63016 | 0.89943 | 2.01780 | 3.07174 |
| 26 VOC | 1.72227 | 2.07747 | 2.85780 | 5.20026 | 0.60997 | 0.87062 | 1.95316 | 3.02698 |
| 27 VOC | 1.67309 | 2.02156 | 2.78045 | 5.02751 | 0.59095 | 0.84347 | 1.89225 | 2.98441 |
| 28 VOC | 1.62706 | 1.96921 | 2.70810 | 4.86828 | 0.57303 | 0.81789 | 1.83486 | 2.94382 |
| 29 VOC | 1.58385 | 1.92009 | 2.64027 | 4.72139 | 0.55614 | 0.79378 | 1.78077 | 2.90510 |
| 30 VOC | 1.54319 | 1.87394 | 2.57657 | 4.58574 | 0.54022 | 0.77106 | 1.72980 | 2.86817 |
| 31 VOC | 1.50486 | 1.83051 | 2.51666 | 4.46039 | 0.52522 | 0.74965 | 1.68177 | 2.83300 |
| 32 VOC | 1.46864 | 1.78962 | 2.46025 | 4.34446 | 0.51109 | 0.72948 | 1.63651 | 2.79960 |
| 33 VOC | 1.43436 | 1.75107 | 2.40709 | 4.23719 | 0.49777 | 0.71047 | 1.59387 | 2.76797 |
| 34 VOC | 1.40186 | 1.71471 | 2.35696 | 4.13785 | 0.48523 | 0.69257 | 1.55371 | 2.73817 |
| 35 VOC | 1.37100 | 1.68041 | 2.30966 | 4.04583 | 0.47342 | 0.67571 | 1.51589 | 2.71022 |
| 36 VOC | 1.34165 | 1.64802 | 2.26502 | 3.96056 | 0.46230 | 0.65985 | 1.48030 | 2.68416 |
| 37 VOC | 1.31370 | 1.61744 | 2.22287 | 3.88152 | 0.45184 | 0.64492 | 1.44682 | 2.66003 |
| 38 VOC | 1.28704 | 1.58854 | 2.18306 | 3.80824 | 0.44201 | 0.63089 | 1.41533 | 2.63785 |
| 39 VOC | 1.26159 | 1.56122 | 2.14546 | 3.74031 | 0.43277 | 0.61770 | 1.38576 | 2.61763 |
| 40 VOC | 1.23726 | 1.53539 | 2.10994 | 3.67736 | 0.42410 | 0.60533 | 1.35799 | 2.59937 |
| 41 VOC | 1.21396 | 1.51095 | 2.07636 | 3.61903 | 0.41597 | 0.59372 | 1.33195 | 2.58304 |
| 42 VOC | 1.19163 | 1.48780 | 2.04461 | 3.56501 | 0.40836 | 0.58285 | 1.30756 | 2.56859 |
| 43 VOC | 1.17021 | 1.46585 | 2.01455 | 3.51504 | 0.40123 | 0.57268 | 1.28475 | 2.55595 |
| 44 VOC | 1.14961 | 1.44501 | 1.98608 | 3.46886 | 0.39458 | 0.56318 | 1.26345 | 2.54500 |
| 45 VOC | 1.12979 | 1.42519 | 1.95907 | 3.42624 | 0.38838 | 0.55433 | 1.24359 | 2.53561 |
| 46 VOC | 1.11069 | 1.40627 | 1.93338 | 3.38698 | 0.38261 | 0.54610 | 1.22513 | 2.52759 |
| 47 VOC | 1.09225 | 1.38817 | 1.90889 | 3.35089 | 0.37726 | 0.53847 | 1.20800 | 2.52072 |
| 48 VOC | 1.07461 | 1.37077 | 1.88533 | 3.31752 | 0.37231 | 0.53141 | 1.19216 | 2.51472 |
| 49 VOC | 1.07050 | 1.36641 | 1.87907 | 3.28461 | 0.36775 | 0.52490 | 1.17756 | 2.51472 |
| 50 VOC | 1.06663 | 1.36230 | 1.87318 | 3.25487 | 0.36357 | 0.51893 | 1.16417 | 2.51472 |
| 51 VOC | 1.06298 | 1.35843 | 1.86762 | 3.22814 | 0.35975 | 0.51348 | 1.15194 | 2.51472 |
| 52 VOC | 1.05953 | 1.35477 | 1.86237 | 3.20430 | 0.35629 | 0.50853 | 1.14084 | 2.51472 |
| 53 VOC | 1.05627 | 1.35131 | 1.85742 | 3.18321 | 0.35317 | 0.50408 | 1.13085 | 2.51472 |
| 54 VOC | 1.05319 | 1.34804 | 1.85273 | 3.16479 | 0.35038 | 0.50010 | 1.12193 | 2.51472 |
| 55 VOC | 1.05026 | 1.34494 | 1.84829 | 3.14895 | 0.34792 | 0.49659 | 1.11405 | 2.51472 |
| 56 VOC | 1.08433 | 1.39989 | 1.93526 | 3.13561 | 0.34578 | 0.49354 | 1.10721 | 2.59125 |
| 57 VOC | 1.11853 | 1.45499 | 2.02244 | 3.12472 | 0.34396 | 0.49094 | 1.10138 | 2.66779 |
| 58 VOC | 1.15286 | 1.51023 | 2.10982 | 3.11624 | 0.34245 | 0.48879 | 1.09655 | 2.74432 |
| 59 VOC | 1.18732 | 1.56560 | 2.19739 | 3.11012 | 0.34125 | 0.48707 | 1.09269 | 2.82086 |
| 60 VOC | 1.22189 | 1.62109 | 2.28514 | 3.10635 | 0.34035 | 0.48578 | 1.08981 | 2.89739 |
| 61 VOC | 1.25657 | 1.67670 | 2.37305 | 3.10492 | 0.33975 | 0.48493 | 1.08790 | 2.97392 |
| 62 VOC | 1.29135 | 1.73241 | 2.46111 | 3.10583 | 0.33945 | 0.48450 | 1.08694 | 3.05046 |
| 63 VOC | 1.32622 | 1.78822 | 2.54932 | 3.10910 | 0.33945 | 0.48450 | 1.08694 | 3.12699 |
| 64 VOC | 1.36118 | 1.84412 | 2.63766 | 3.11475 | 0.33975 | 0.48493 | 1.08790 | 3.20352 |
| 65 VOC | 1.39623 | 1.90011 | 2.72613 | 3.12283 | 0.34035 | 0.48578 | 1.08981 | 3.28006 |

# Table A-35
# Victoria 1996 CO Emission Rates
# for Time Period 4

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 97.92081 | 125.29596 | 191.59970 | 284.52008 | 5.32334 | 6.11041 | 37.01066 | 140.47540 |
| 4 CO | 75.26239 | 96.17513 | 146.68680 | 259.95374 | 4.90606 | 5.63143 | 34.10950 | 112.03207 |
| 5 CO | 61.54291 | 78.32072 | 118.70562 | 238.03166 | 4.52972 | 5.19946 | 31.49302 | 91.50290 |
| 6 CO | 52.35091 | 66.28282 | 99.64264 | 218.43832 | 4.18987 | 4.80936 | 29.13022 | 76.35404 |
| 7 CO | 45.77144 | 57.64765 | 85.88056 | 200.89929 | 3.88258 | 4.45663 | 26.99377 | 64.94732 |
| 8 CO | 40.83595 | 51.17336 | 75.52536 | 185.17545 | 3.60438 | 4.13730 | 25.05958 | 56.19786 |
| 9 CO | 37.00119 | 46.15377 | 67.48364 | 171.05818 | 3.35221 | 3.84785 | 23.30636 | 49.37113 |
| 10 CO | 33.93869 | 42.15736 | 61.07916 | 158.36519 | 3.12336 | 3.58516 | 21.71528 | 43.95937 |
| 11 CO | 31.43821 | 38.90567 | 55.87143 | 146.93698 | 2.91544 | 3.34650 | 20.26968 | 39.60484 |
| 12 CO | 29.35896 | 36.21111 | 51.56168 | 136.63373 | 2.72631 | 3.12941 | 18.95478 | 36.05098 |
| 13 CO | 27.60316 | 33.94283 | 47.94060 | 127.33275 | 2.55410 | 2.93173 | 17.75747 | 33.11077 |
| 14 CO | 26.10081 | 32.00684 | 44.85741 | 118.92627 | 2.39713 | 2.75155 | 16.66609 | 30.64584 |
| 15 CO | 24.80052 | 30.33402 | 42.20110 | 111.31941 | 2.25390 | 2.58714 | 15.67028 | 28.55246 |
| 16 CO | 23.66372 | 28.87244 | 39.88822 | 104.42862 | 2.12309 | 2.43699 | 14.76082 | 26.75192 |
| 17 CO | 22.66095 | 27.58247 | 37.85508 | 98.18013 | 2.00351 | 2.29973 | 13.92946 | 25.18394 |
| 18 CO | 21.76931 | 26.43341 | 36.05227 | 92.50880 | 1.89411 | 2.17416 | 13.16887 | 23.80196 |
| 19 CO | 20.97079 | 25.40124 | 34.44107 | 87.35706 | 1.79395 | 2.05919 | 12.47250 | 22.56982 |
| 20 CO | 20.13562 | 24.53289 | 33.19262 | 82.67389 | 1.70218 | 1.95385 | 11.83447 | 21.45932 |
| 21 CO | 19.27112 | 23.57673 | 31.94738 | 78.41411 | 1.61805 | 1.85728 | 11.24953 | 20.44845 |
| 22 CO | 18.48376 | 22.70089 | 30.81243 | 74.53761 | 1.54087 | 1.76870 | 10.71298 | 19.52009 |
| 23 CO | 17.76334 | 21.89453 | 29.77253 | 71.00879 | 1.47006 | 1.68741 | 10.22061 | 18.66086 |
| 24 CO | 17.10146 | 21.14885 | 28.81526 | 67.79604 | 1.40505 | 1.61279 | 9.76863 | 17.86049 |
| 25 CO | 16.49112 | 20.45676 | 27.93045 | 64.87120 | 1.34536 | 1.54427 | 9.35365 | 17.11110 |
| 26 CO | 15.92644 | 19.81248 | 27.10974 | 62.20925 | 1.29055 | 1.48136 | 8.97260 | 16.40670 |
| 27 CO | 15.40249 | 19.21128 | 26.34621 | 59.78793 | 1.24023 | 1.42361 | 8.62277 | 15.74283 |
| 28 CO | 14.91506 | 18.64927 | 25.63410 | 57.58740 | 1.19405 | 1.37059 | 8.30167 | 15.11619 |
| 29 CO | 14.46055 | 18.12320 | 24.96859 | 55.59003 | 1.15168 | 1.32196 | 8.00708 | 14.52438 |
| 30 CO | 14.03588 | 17.63033 | 24.34563 | 53.78011 | 1.11283 | 1.27737 | 7.73702 | 13.96566 |
| 31 CO | 13.63838 | 17.16833 | 23.76175 | 52.14372 | 1.07726 | 1.23654 | 7.48968 | 13.43878 |
| 32 CO | 13.26568 | 16.73516 | 23.21400 | 50.66847 | 1.04472 | 1.19919 | 7.26346 | 12.94285 |
| 33 CO | 12.91575 | 16.32903 | 22.69980 | 49.34338 | 1.01501 | 1.16508 | 7.05690 | 12.47716 |
| 34 CO | 12.58675 | 15.94830 | 22.21689 | 48.15880 | 0.98794 | 1.13401 | 6.86871 | 12.04116 |
| 35 CO | 12.27708 | 15.59151 | 21.76324 | 47.10616 | 0.96335 | 1.10578 | 6.69771 | 11.63429 |
| 36 CO | 11.98528 | 15.25732 | 21.33706 | 46.17801 | 0.94108 | 1.08022 | 6.54287 | 11.25600 |
| 37 CO | 11.71004 | 14.94444 | 20.93668 | 45.36786 | 0.92100 | 1.05717 | 6.40325 | 10.90571 |
| 38 CO | 11.45017 | 14.65167 | 20.56058 | 44.67007 | 0.90298 | 1.03649 | 6.27803 | 10.58267 |
| 39 CO | 11.20461 | 14.37787 | 20.20732 | 44.07990 | 0.88694 | 1.01808 | 6.16647 | 10.28607 |
| 40 CO | 10.97235 | 14.12193 | 19.87553 | 43.59332 | 0.87276 | 1.00181 | 6.06792 | 10.01491 |
| 41 CO | 10.75248 | 13.88278 | 19.56394 | 43.20706 | 0.86038 | 0.98759 | 5.98183 | 9.76801 |
| 42 CO | 10.54415 | 13.65930 | 19.27123 | 42.91854 | 0.84972 | 0.97535 | 5.90770 | 9.54406 |
| 43 CO | 10.34655 | 13.45041 | 18.99617 | 42.72583 | 0.84072 | 0.96502 | 5.84511 | 9.34146 |
| 44 CO | 10.15892 | 13.25495 | 18.73746 | 42.62768 | 0.83333 | 0.95654 | 5.79373 | 9.15840 |
| 45 CO | 9.98052 | 13.07169 | 18.49382 | 42.62342 | 0.82751 | 0.94985 | 5.75326 | 8.99277 |
| 46 CO | 9.81061 | 12.89927 | 18.26389 | 42.71302 | 0.82322 | 0.94494 | 5.72348 | 8.84219 |
| 47 CO | 9.64848 | 12.73620 | 18.04624 | 42.89708 | 0.82045 | 0.94176 | 5.70422 | 8.70386 |
| 48 CO | 9.49339 | 12.58082 | 17.83935 | 43.17683 | 0.81918 | 0.94030 | 5.69538 | 8.57468 |
| 49 CO | 9.49339 | 12.58082 | 17.83935 | 43.55410 | 0.81940 | 0.94055 | 5.69692 | 8.57468 |
| 50 CO | 9.49339 | 12.58082 | 17.83935 | 44.03144 | 0.82112 | 0.94252 | 5.70884 | 8.57468 |
| 51 CO | 9.49339 | 12.58082 | 17.83935 | 44.61204 | 0.82433 | 0.94621 | 5.73121 | 8.57468 |
| 52 CO | 9.49339 | 12.58082 | 17.83935 | 45.29986 | 0.82907 | 0.95165 | 5.76414 | 8.57468 |
| 53 CO | 9.49339 | 12.58082 | 17.83935 | 46.09958 | 0.83535 | 0.95886 | 5.80783 | 8.57468 |
| 54 CO | 9.49339 | 12.58082 | 17.83935 | 47.01675 | 0.84322 | 0.96789 | 5.86250 | 8.57468 |
| 55 CO | 9.49339 | 12.58082 | 17.83935 | 48.05778 | 0.85271 | 0.97878 | 5.92847 | 8.57468 |
| 56 CO | 10.82094 | 14.76945 | 21.21267 | 49.23004 | 0.86387 | 0.99160 | 6.00610 | 10.63971 |
| 57 CO | 12.14849 | 16.95808 | 24.58599 | 50.54196 | 0.87678 | 1.00641 | 6.09584 | 12.70474 |
| 58 CO | 13.47604 | 19.14670 | 27.95932 | 52.00313 | 0.89150 | 1.02331 | 6.19818 | 14.76977 |
| 59 CO | 14.80359 | 21.33533 | 31.33265 | 53.62438 | 0.90812 | 1.04239 | 6.31373 | 16.83480 |
| 60 CO | 16.13115 | 23.52395 | 34.70597 | 55.41796 | 0.92673 | 1.06375 | 6.44314 | 18.89984 |
| 61 CO | 17.45869 | 25.71258 | 38.07930 | 57.39768 | 0.94745 | 1.08754 | 6.58719 | 20.96487 |
| 62 CO | 18.78625 | 27.90121 | 41.45263 | 59.57905 | 0.97040 | 1.11387 | 6.74672 | 23.02990 |
| 63 CO | 20.11380 | 30.08983 | 44.82595 | 61.97952 | 0.99571 | 1.14293 | 6.92270 | 25.09493 |
| 64 CO | 21.44135 | 32.27846 | 48.19928 | 64.61870 | 1.02354 | 1.17488 | 7.11622 | 27.15997 |
| 65 CO | 22.76891 | 34.46709 | 51.57261 | 67.51865 | 1.05407 | 1.20992 | 7.32847 | 29.22500 |

# Table A-36
# Victoria 1996 NOX Emission Rates
# for Time Period 4

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 2.18649 | 2.44509 | 3.09596 | 4.55867 | 2.71882 | 3.15002 | 22.45594 | 0.89063 |
| 4 | NOX | 2.00658 | 2.24586 | 2.85717 | 4.60584 | 2.60431 | 3.01735 | 21.51015 | 0.85187 |
| 5 | NOX | 1.89789 | 2.12567 | 2.71396 | 4.65302 | 2.49817 | 2.89437 | 20.63348 | 0.81971 |
| 6 | NOX | 1.82494 | 2.04532 | 2.61874 | 4.70019 | 2.39976 | 2.78035 | 19.82067 | 0.79364 |
| 7 | NOX | 1.77252 | 1.98798 | 2.55109 | 4.74736 | 2.30850 | 2.67462 | 19.06693 | 0.77317 |
| 8 | NOX | 1.73301 | 1.94519 | 2.50080 | 4.79454 | 2.22387 | 2.57657 | 18.36791 | 0.75783 |
| 9 | NOX | 1.70216 | 1.91224 | 2.46217 | 4.84171 | 2.14539 | 2.48563 | 17.71967 | 0.74717 |
| 10 | NOX | 1.67744 | 1.88628 | 2.43175 | 4.88888 | 2.07261 | 2.40132 | 17.11859 | 0.74075 |
| 11 | NOX | 1.65720 | 1.86548 | 2.40736 | 4.93606 | 2.00515 | 2.32316 | 16.56141 | 0.73817 |
| 12 | NOX | 1.64036 | 1.84861 | 2.38751 | 4.98323 | 1.94264 | 2.25074 | 16.04513 | 0.73901 |
| 13 | NOX | 1.62616 | 1.83481 | 2.37118 | 5.03041 | 1.88476 | 2.18367 | 15.56703 | 0.74289 |
| 14 | NOX | 1.61405 | 1.82344 | 2.35763 | 5.07758 | 1.83120 | 2.12161 | 15.12464 | 0.74946 |
| 15 | NOX | 1.60363 | 1.81402 | 2.34630 | 5.12475 | 1.78168 | 2.06425 | 14.71570 | 0.75837 |
| 16 | NOX | 1.59460 | 1.80622 | 2.33678 | 5.17193 | 1.73597 | 2.01129 | 14.33817 | 0.76929 |
| 17 | NOX | 1.58671 | 1.79972 | 2.32874 | 5.21910 | 1.69384 | 1.96248 | 13.99017 | 0.78191 |
| 18 | NOX | 1.57979 | 1.79433 | 2.32193 | 5.26627 | 1.65508 | 1.91757 | 13.67002 | 0.79594 |
| 19 | NOX | 1.57368 | 1.78984 | 2.31614 | 5.31345 | 1.61950 | 1.87635 | 13.37617 | 0.81109 |
| 20 | NOX | 1.57564 | 1.78872 | 2.31653 | 5.36062 | 1.58694 | 1.83862 | 13.10724 | 0.82713 |
| 21 | NOX | 1.58548 | 1.80190 | 2.33557 | 5.40779 | 1.55725 | 1.80422 | 12.86197 | 0.84380 |
| 22 | NOX | 1.59451 | 1.81415 | 2.35311 | 5.45497 | 1.53028 | 1.77297 | 12.63923 | 0.86088 |
| 23 | NOX | 1.60282 | 1.82554 | 2.36933 | 5.50214 | 1.50591 | 1.74474 | 12.43799 | 0.87817 |
| 24 | NOX | 1.61051 | 1.83618 | 2.38437 | 5.54931 | 1.48404 | 1.71940 | 12.25734 | 0.89549 |
| 25 | NOX | 1.61766 | 1.84614 | 2.39837 | 5.59649 | 1.46457 | 1.69684 | 12.09649 | 0.91266 |
| 26 | NOX | 1.62433 | 1.85546 | 2.41144 | 5.64366 | 1.44740 | 1.67695 | 11.95471 | 0.92954 |
| 27 | NOX | 1.63056 | 1.86421 | 2.42366 | 5.69083 | 1.43247 | 1.65965 | 11.83138 | 0.94599 |
| 28 | NOX | 1.63641 | 1.87244 | 2.43512 | 5.73801 | 1.41970 | 1.64486 | 11.72596 | 0.96190 |
| 29 | NOX | 1.64192 | 1.88016 | 2.44589 | 5.78518 | 1.40905 | 1.63252 | 11.63799 | 0.97717 |
| 30 | NOX | 1.64711 | 1.88744 | 2.45604 | 5.83235 | 1.40047 | 1.62258 | 11.56710 | 0.99171 |
| 31 | NOX | 1.65203 | 1.89428 | 2.46562 | 5.87953 | 1.39392 | 1.61499 | 11.51298 | 1.00548 |
| 32 | NOX | 1.65669 | 1.90073 | 2.47468 | 5.92670 | 1.38937 | 1.60972 | 11.47539 | 1.01842 |
| 33 | NOX | 1.66113 | 1.90682 | 2.48328 | 5.97387 | 1.38680 | 1.60674 | 11.45418 | 1.03051 |
| 34 | NOX | 1.66536 | 1.91256 | 2.49145 | 6.02105 | 1.38620 | 1.60605 | 11.44926 | 1.04174 |
| 35 | NOX | 1.66941 | 1.91799 | 2.49925 | 6.06822 | 1.38758 | 1.60764 | 11.46060 | 1.05211 |
| 36 | NOX | 1.67330 | 1.92314 | 2.50671 | 6.11540 | 1.39093 | 1.61152 | 11.48825 | 1.06166 |
| 37 | NOX | 1.67705 | 1.92802 | 2.51387 | 6.16257 | 1.39626 | 1.61770 | 11.53234 | 1.07043 |
| 38 | NOX | 1.68067 | 1.93267 | 2.52077 | 6.20974 | 1.40361 | 1.62622 | 11.59304 | 1.07849 |
| 39 | NOX | 1.68417 | 1.93712 | 2.52746 | 6.25691 | 1.41301 | 1.63710 | 11.67063 | 1.08590 |
| 40 | NOX | 1.68759 | 1.94140 | 2.53396 | 6.30409 | 1.42448 | 1.65040 | 11.76542 | 1.09278 |
| 41 | NOX | 1.69093 | 1.94552 | 2.54033 | 6.35126 | 1.43809 | 1.66617 | 11.87785 | 1.09923 |
| 42 | NOX | 1.69422 | 1.94954 | 2.54659 | 6.39843 | 1.45390 | 1.68448 | 12.00838 | 1.10539 |
| 43 | NOX | 1.69746 | 1.95347 | 2.55279 | 6.44561 | 1.47197 | 1.70541 | 12.15761 | 1.11141 |
| 44 | NOX | 1.70067 | 1.95736 | 2.55896 | 6.49278 | 1.49238 | 1.72906 | 12.32618 | 1.11746 |
| 45 | NOX | 1.70387 | 1.96123 | 2.56516 | 6.53996 | 1.51522 | 1.75552 | 12.51484 | 1.12373 |
| 46 | NOX | 1.70708 | 1.96513 | 2.57141 | 6.58713 | 1.54060 | 1.78493 | 12.72445 | 1.13041 |
| 47 | NOX | 1.71032 | 1.96910 | 2.57776 | 6.63430 | 1.56862 | 1.81740 | 12.95595 | 1.13774 |
| 48 | NOX | 1.71360 | 1.97317 | 2.58427 | 6.68148 | 1.59943 | 1.85310 | 13.21041 | 1.14595 |
| 49 | NOX | 1.77651 | 2.05229 | 2.69284 | 6.72865 | 1.63316 | 1.89218 | 13.48901 | 1.18327 |
| 50 | NOX | 1.83943 | 2.13140 | 2.80140 | 6.77582 | 1.66998 | 1.93483 | 13.79305 | 1.22058 |
| 51 | NOX | 1.90234 | 2.21052 | 2.90997 | 6.82300 | 1.71004 | 1.98125 | 14.12399 | 1.25790 |
| 52 | NOX | 1.96526 | 2.28963 | 3.01854 | 6.87017 | 1.75356 | 2.03167 | 14.48343 | 1.29521 |
| 53 | NOX | 2.02818 | 2.36874 | 3.12711 | 6.91734 | 1.80074 | 2.08633 | 14.87311 | 1.33253 |
| 54 | NOX | 2.09109 | 2.44786 | 3.23567 | 6.96452 | 1.85182 | 2.14551 | 15.29499 | 1.36984 |
| 55 | NOX | 2.15401 | 2.52697 | 3.34424 | 7.01169 | 1.90705 | 2.20950 | 15.75118 | 1.40716 |
| 56 | NOX | 2.21692 | 2.60609 | 3.45281 | 7.05886 | 1.96672 | 2.27864 | 16.24402 | 1.44447 |
| 57 | NOX | 2.27984 | 2.68520 | 3.56138 | 7.10604 | 2.03114 | 2.35327 | 16.77610 | 1.48179 |
| 58 | NOX | 2.34275 | 2.76431 | 3.66994 | 7.15321 | 2.10065 | 2.43381 | 17.35022 | 1.51910 |
| 59 | NOX | 2.40567 | 2.84343 | 3.77851 | 7.20038 | 2.17563 | 2.52068 | 17.96948 | 1.55642 |
| 60 | NOX | 2.46859 | 2.92254 | 3.88708 | 7.24756 | 2.25649 | 2.61435 | 18.63730 | 1.59373 |
| 61 | NOX | 2.53150 | 3.00166 | 3.99565 | 7.29473 | 2.34367 | 2.71537 | 19.35740 | 1.63105 |
| 62 | NOX | 2.59442 | 3.08077 | 4.10421 | 7.34190 | 2.43769 | 2.82429 | 20.13390 | 1.66836 |
| 63 | NOX | 2.65733 | 3.15988 | 4.21278 | 7.38908 | 2.53907 | 2.94176 | 20.97130 | 1.70568 |
| 64 | NOX | 2.72025 | 3.23900 | 4.32135 | 7.43625 | 2.64844 | 3.06846 | 21.87458 | 1.74299 |
| 65 | NOX | 2.78316 | 3.31811 | 4.42992 | 7.48342 | 2.76643 | 3.20518 | 22.84917 | 1.78031 |

# Table A-37
# Victoria 2006 VOC Emission Rates
# for Time Period 1

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 VOC | 9.07302 | 10.82147 | 15.16843 | 15.64510 | 1.06484 | 1.47562 | 4.45924 | 10.11850 |
| 4 VOC | 6.38470 | 7.66072 | 10.73318 | 11.98955 | 1.01096 | 1.40096 | 4.23362 | 8.58296 |
| 5 VOC | 4.96929 | 5.97816 | 8.37050 | 9.98816 | 0.96066 | 1.33125 | 4.02296 | 7.44567 |
| 6 VOC | 4.10800 | 4.94557 | 6.91975 | 8.67690 | 0.91366 | 1.26612 | 3.82614 | 6.58725 |
| 7 VOC | 3.53311 | 4.25166 | 5.94442 | 7.71939 | 0.86973 | 1.20524 | 3.64216 | 5.92811 |
| 8 VOC | 3.19252 | 3.82991 | 5.34751 | 7.09923 | 0.82864 | 1.14829 | 3.47008 | 5.41403 |
| 9 VOC | 2.93333 | 3.50690 | 4.89083 | 6.57419 | 0.79018 | 1.09500 | 3.30904 | 5.00731 |
| 10 VOC | 2.72421 | 3.24538 | 4.52202 | 6.11109 | 0.75417 | 1.04510 | 3.15825 | 4.68126 |
| 11 VOC | 2.55149 | 3.02859 | 4.21712 | 5.69946 | 0.72044 | 0.99836 | 3.01698 | 4.41661 |
| 12 VOC | 2.40608 | 2.84535 | 3.96013 | 5.33139 | 0.68882 | 0.95454 | 2.88458 | 4.19926 |
| 13 VOC | 2.28167 | 2.68790 | 3.74002 | 5.00073 | 0.65917 | 0.91345 | 2.76041 | 4.01869 |
| 14 VOC | 2.17377 | 2.55074 | 3.54887 | 4.70250 | 0.63135 | 0.87490 | 2.64391 | 3.86699 |
| 15 VOC | 2.07908 | 2.42979 | 3.38089 | 4.43261 | 0.60524 | 0.83872 | 2.53455 | 3.73808 |
| 16 VOC | 1.99510 | 2.32202 | 3.23175 | 4.18766 | 0.58072 | 0.80473 | 2.43186 | 3.62727 |
| 17 VOC | 1.91997 | 2.22510 | 3.09810 | 3.96475 | 0.55768 | 0.77281 | 2.33539 | 3.53092 |
| 18 VOC | 1.85219 | 2.13722 | 2.97738 | 3.76142 | 0.53602 | 0.74280 | 2.24471 | 3.44614 |
| 19 VOC | 1.79062 | 2.05696 | 2.86754 | 3.57552 | 0.51567 | 0.71459 | 2.15946 | 3.37066 |
| 20 VOC | 1.71836 | 1.97360 | 2.75276 | 3.40857 | 0.49652 | 0.68806 | 2.07927 | 3.30268 |
| 21 VOC | 1.64704 | 1.89776 | 2.64548 | 3.26063 | 0.47850 | 0.66309 | 2.00382 | 3.24076 |
| 22 VOC | 1.58208 | 1.82875 | 2.54786 | 3.12524 | 0.46155 | 0.63959 | 1.93282 | 3.18378 |
| 23 VOC | 1.52264 | 1.76565 | 2.45864 | 3.00116 | 0.44558 | 0.61747 | 1.86596 | 3.13086 |
| 24 VOC | 1.46802 | 1.70775 | 2.37678 | 2.88729 | 0.43055 | 0.59664 | 1.80301 | 3.08131 |
| 25 VOC | 1.41766 | 1.65440 | 2.30139 | 2.78264 | 0.41639 | 0.57702 | 1.74371 | 3.03459 |
| 26 VOC | 1.37106 | 1.60509 | 2.23173 | 2.68635 | 0.40305 | 0.55853 | 1.68785 | 2.99033 |
| 27 VOC | 1.32780 | 1.55937 | 2.16715 | 2.59766 | 0.39048 | 0.54111 | 1.63522 | 2.94823 |
| 28 VOC | 1.28753 | 1.51685 | 2.10712 | 2.51587 | 0.37864 | 0.52470 | 1.58562 | 2.90810 |
| 29 VOC | 1.24993 | 1.47721 | 2.05116 | 2.44037 | 0.36748 | 0.50924 | 1.53888 | 2.86981 |
| 30 VOC | 1.21475 | 1.44015 | 1.99886 | 2.37061 | 0.35696 | 0.49466 | 1.49484 | 2.83330 |
| 31 VOC | 1.18173 | 1.40542 | 1.94988 | 2.30609 | 0.34705 | 0.48093 | 1.45333 | 2.79852 |
| 32 VOC | 1.15069 | 1.37281 | 1.90390 | 2.24637 | 0.33771 | 0.46798 | 1.41422 | 2.76549 |
| 33 VOC | 1.12144 | 1.34213 | 1.86064 | 2.19106 | 0.32891 | 0.45579 | 1.37737 | 2.73422 |
| 34 VOC | 1.09382 | 1.31320 | 1.81987 | 2.13980 | 0.32062 | 0.44431 | 1.34267 | 2.70475 |
| 35 VOC | 1.06770 | 1.28587 | 1.78138 | 2.09226 | 0.31282 | 0.43349 | 1.30999 | 2.67711 |
| 36 VOC | 1.04295 | 1.26001 | 1.74497 | 2.04816 | 0.30547 | 0.42331 | 1.27923 | 2.65134 |
| 37 VOC | 1.01945 | 1.23550 | 1.71047 | 2.00723 | 0.29856 | 0.41374 | 1.25029 | 2.62748 |
| 38 VOC | 0.99712 | 1.21223 | 1.67774 | 1.96923 | 0.29207 | 0.40473 | 1.22309 | 2.60555 |
| 39 VOC | 0.97585 | 1.19012 | 1.64664 | 1.93396 | 0.28596 | 0.39628 | 1.19753 | 2.58556 |
| 40 VOC | 0.95558 | 1.16906 | 1.61704 | 1.90121 | 0.28023 | 0.38834 | 1.17353 | 2.56751 |
| 41 VOC | 0.93622 | 1.14900 | 1.58884 | 1.87082 | 0.27486 | 0.38089 | 1.15103 | 2.55136 |
| 42 VOC | 0.91771 | 1.12984 | 1.56194 | 1.84263 | 0.26983 | 0.37392 | 1.12995 | 2.53707 |
| 43 VOC | 0.90000 | 1.11154 | 1.53624 | 1.81649 | 0.26512 | 0.36739 | 1.11024 | 2.52457 |
| 44 VOC | 0.88302 | 1.09402 | 1.51167 | 1.79228 | 0.26072 | 0.36130 | 1.09183 | 2.51374 |
| 45 VOC | 0.86673 | 1.07725 | 1.48815 | 1.76988 | 0.25663 | 0.35562 | 1.07467 | 2.50445 |
| 46 VOC | 0.85109 | 1.06117 | 1.46560 | 1.74919 | 0.25282 | 0.35034 | 1.05872 | 2.49652 |
| 47 VOC | 0.83605 | 1.04573 | 1.44398 | 1.73011 | 0.24928 | 0.34544 | 1.04391 | 2.48973 |
| 48 VOC | 0.82153 | 1.03079 | 1.42302 | 1.71235 | 0.24601 | 0.34091 | 1.03023 | 2.48380 |
| 49 VOC | 0.81791 | 1.02688 | 1.41760 | 1.69435 | 0.24300 | 0.33674 | 1.01761 | 2.48380 |
| 50 VOC | 0.81450 | 1.02320 | 1.41249 | 1.67802 | 0.24024 | 0.33291 | 1.00604 | 2.48380 |
| 51 VOC | 0.81129 | 1.01973 | 1.40768 | 1.66327 | 0.23771 | 0.32941 | 0.99547 | 2.48380 |
| 52 VOC | 0.80826 | 1.01646 | 1.40314 | 1.65004 | 0.23542 | 0.32624 | 0.98588 | 2.48380 |
| 53 VOC | 0.80540 | 1.01337 | 1.39886 | 1.63825 | 0.23336 | 0.32338 | 0.97724 | 2.48380 |
| 54 VOC | 0.80269 | 1.01044 | 1.39481 | 1.62786 | 0.23152 | 0.32083 | 0.96953 | 2.48380 |
| 55 VOC | 0.80013 | 1.00768 | 1.39097 | 1.61881 | 0.22989 | 0.31858 | 0.96273 | 2.48380 |
| 56 VOC | 0.81967 | 1.02947 | 1.42362 | 1.61107 | 0.22848 | 0.31662 | 0.95682 | 2.55948 |
| 57 VOC | 0.83934 | 1.05140 | 1.45646 | 1.60460 | 0.22728 | 0.31496 | 0.95178 | 2.63516 |
| 58 VOC | 0.85912 | 1.07346 | 1.48947 | 1.59937 | 0.22628 | 0.31357 | 0.94760 | 2.71083 |
| 59 VOC | 0.87901 | 1.09563 | 1.52265 | 1.59537 | 0.22549 | 0.31247 | 0.94427 | 2.78651 |
| 60 VOC | 0.89901 | 1.11792 | 1.55597 | 1.59258 | 0.22489 | 0.31165 | 0.94178 | 2.86219 |
| 61 VOC | 0.91910 | 1.14030 | 1.58944 | 1.59099 | 0.22450 | 0.31110 | 0.94013 | 2.93787 |
| 62 VOC | 0.93927 | 1.16278 | 1.62305 | 1.59060 | 0.22430 | 0.31083 | 0.93930 | 3.01354 |
| 63 VOC | 0.95953 | 1.18536 | 1.65678 | 1.59142 | 0.22430 | 0.31083 | 0.93930 | 3.08922 |
| 64 VOC | 0.97987 | 1.20801 | 1.69063 | 1.59346 | 0.22450 | 0.31110 | 0.94013 | 3.16490 |
| 65 VOC | 1.00029 | 1.23075 | 1.72458 | 1.59673 | 0.22489 | 0.31165 | 0.94178 | 3.24058 |

# Table A-38
# Victoria 2006 Emission Rates
# for Time Period 1

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 72.80273 | 79.68077 | 111.21916 | 101.66225 | 4.34370 | 4.84688 | 34.39747 | 140.07657 |
| 4 CO | 57.03288 | 62.65156 | 87.28563 | 92.88443 | 4.00321 | 4.46694 | 31.70115 | 111.71400 |
| 5 CO | 47.57098 | 52.43404 | 72.92549 | 85.05142 | 3.69613 | 4.12429 | 29.26941 | 91.24311 |
| 6 CO | 41.26304 | 45.62235 | 63.35207 | 78.05051 | 3.41882 | 3.81486 | 27.07343 | 76.13726 |
| 7 CO | 36.75737 | 40.75686 | 56.51392 | 71.78361 | 3.16808 | 3.53507 | 25.08784 | 64.76292 |
| 8 CO | 33.37811 | 37.10775 | 51.38530 | 66.16530 | 2.94108 | 3.28178 | 23.29021 | 56.03831 |
| 9 CO | 30.74981 | 34.26954 | 47.39637 | 61.12103 | 2.73531 | 3.05218 | 21.66078 | 49.23096 |
| 10 CO | 28.64716 | 31.99898 | 44.20523 | 56.58569 | 2.54858 | 2.84381 | 20.18204 | 43.83456 |
| 11 CO | 26.92681 | 30.14125 | 41.59430 | 52.50225 | 2.37892 | 2.65450 | 18.83850 | 39.49239 |
| 12 CO | 25.49319 | 28.59314 | 39.41853 | 48.82079 | 2.22460 | 2.48230 | 17.61645 | 35.94862 |
| 13 CO | 24.28012 | 27.28321 | 37.57748 | 45.49744 | 2.08408 | 2.32550 | 16.50367 | 33.01677 |
| 14 CO | 23.24036 | 26.16040 | 35.99944 | 42.49371 | 1.95599 | 2.18257 | 15.48936 | 30.55884 |
| 15 CO | 22.33922 | 25.18730 | 34.63182 | 39.77570 | 1.83912 | 2.05216 | 14.56386 | 28.47139 |
| 16 CO | 21.55073 | 24.33584 | 33.43513 | 37.31353 | 1.73238 | 1.93306 | 13.71861 | 26.67597 |
| 17 CO | 20.85500 | 23.58455 | 32.37925 | 35.08087 | 1.63481 | 1.82419 | 12.94595 | 25.11244 |
| 18 CO | 20.23657 | 22.91674 | 31.44068 | 33.05445 | 1.54554 | 1.72458 | 12.23907 | 23.73438 |
| 19 CO | 19.68324 | 22.31922 | 30.60090 | 31.21367 | 1.46382 | 1.63338 | 11.59186 | 22.50574 |
| 20 CO | 18.86504 | 21.49458 | 29.47879 | 29.54032 | 1.38893 | 1.54983 | 10.99888 | 21.39839 |
| 21 CO | 17.82032 | 20.39800 | 27.99575 | 28.01825 | 1.32028 | 1.47323 | 10.45524 | 20.39040 |
| 22 CO | 16.87056 | 19.40110 | 26.64753 | 26.63313 | 1.25731 | 1.40296 | 9.95657 | 19.46467 |
| 23 CO | 16.00340 | 18.49090 | 25.41654 | 25.37225 | 1.19953 | 1.33848 | 9.49897 | 18.60788 |
| 24 CO | 15.20849 | 17.65654 | 24.28814 | 24.22430 | 1.14648 | 1.27929 | 9.07890 | 17.80978 |
| 25 CO | 14.47718 | 16.88893 | 23.25000 | 23.17922 | 1.09778 | 1.22494 | 8.69322 | 17.06252 |
| 26 CO | 13.80213 | 16.18037 | 22.29173 | 22.22807 | 1.05306 | 1.17504 | 8.33908 | 16.36012 |
| 27 CO | 13.17708 | 15.52430 | 21.40444 | 21.36291 | 1.01200 | 1.12923 | 8.01394 | 15.69813 |
| 28 CO | 12.59667 | 14.91508 | 20.58052 | 20.57663 | 0.97431 | 1.08718 | 7.71551 | 15.07327 |
| 29 CO | 12.05630 | 14.34789 | 19.81343 | 19.86295 | 0.93974 | 1.04860 | 7.44173 | 14.48314 |
| 30 CO | 11.55194 | 13.81850 | 19.09748 | 19.21625 | 0.90804 | 1.01323 | 7.19073 | 13.92601 |
| 31 CO | 11.08013 | 13.32327 | 18.42772 | 18.63154 | 0.87901 | 0.98084 | 6.96086 | 13.40062 |
| 32 CO | 10.63781 | 12.85899 | 17.79981 | 18.10442 | 0.85246 | 0.95121 | 6.75061 | 12.90610 |
| 33 CO | 10.22229 | 12.42285 | 17.20996 | 17.63095 | 0.82822 | 0.92416 | 6.55864 | 12.44173 |
| 34 CO | 9.83121 | 12.01236 | 16.65482 | 17.20768 | 0.80614 | 0.89952 | 6.38373 | 12.00697 |
| 35 CO | 9.46249 | 11.62533 | 16.13139 | 16.83157 | 0.78607 | 0.87713 | 6.22481 | 11.60126 |
| 36 CO | 9.11424 | 11.25981 | 15.63704 | 16.49993 | 0.76789 | 0.85685 | 6.08090 | 11.22405 |
| 37 CO | 8.78483 | 10.91404 | 15.16941 | 16.21045 | 0.75151 | 0.83856 | 5.95114 | 10.87475 |
| 38 CO | 8.47274 | 10.58646 | 14.72640 | 15.96113 | 0.73681 | 0.82216 | 5.83476 | 10.55262 |
| 39 CO | 8.17667 | 10.27569 | 14.30610 | 15.75025 | 0.72372 | 0.80755 | 5.73108 | 10.25686 |
| 40 CO | 7.89540 | 9.98046 | 13.90682 | 15.57639 | 0.71215 | 0.79465 | 5.63949 | 9.98648 |
| 41 CO | 7.62784 | 9.69963 | 13.52701 | 15.43837 | 0.70205 | 0.78337 | 5.55947 | 9.74028 |
| 42 CO | 7.37303 | 9.43217 | 13.16529 | 15.33528 | 0.69335 | 0.77367 | 5.49058 | 9.51697 |
| 43 CO | 7.13007 | 9.17715 | 12.82040 | 15.26643 | 0.68600 | 0.76547 | 5.43241 | 9.31494 |
| 44 CO | 6.89815 | 8.93372 | 12.49118 | 15.23135 | 0.67997 | 0.75874 | 5.38465 | 9.13240 |
| 45 CO | 6.67655 | 8.70111 | 12.17660 | 15.22983 | 0.67522 | 0.75344 | 5.34704 | 8.96724 |
| 46 CO | 6.46457 | 8.47861 | 11.87569 | 15.26185 | 0.67173 | 0.74954 | 5.31936 | 8.81709 |
| 47 CO | 6.26162 | 8.26559 | 11.58759 | 15.32761 | 0.66947 | 0.74702 | 5.30146 | 8.67915 |
| 48 CO | 6.06712 | 8.06144 | 11.31149 | 15.42757 | 0.66843 | 0.74586 | 5.29325 | 8.55033 |
| 49 CO | 6.06712 | 8.06144 | 11.31149 | 15.56237 | 0.66861 | 0.74606 | 5.29468 | 8.55033 |
| 50 CO | 6.06712 | 8.06144 | 11.31149 | 15.73293 | 0.67001 | 0.74762 | 5.30576 | 8.55033 |
| 51 CO | 6.06712 | 8.06144 | 11.31149 | 15.94039 | 0.67263 | 0.75055 | 5.32655 | 8.55033 |
| 52 CO | 6.06712 | 8.06144 | 11.31149 | 16.18615 | 0.67650 | 0.75487 | 5.35715 | 8.55033 |
| 53 CO | 6.06712 | 8.06144 | 11.31149 | 16.47190 | 0.68163 | 0.76059 | 5.39775 | 8.55033 |
| 54 CO | 6.06712 | 8.06144 | 11.31149 | 16.79962 | 0.68804 | 0.76775 | 5.44857 | 8.55033 |
| 55 CO | 6.06712 | 8.06144 | 11.31149 | 17.17159 | 0.69579 | 0.77639 | 5.50988 | 8.55033 |
| 56 CO | 6.65332 | 8.81953 | 12.42911 | 17.59045 | 0.70490 | 0.78655 | 5.58203 | 10.60950 |
| 57 CO | 7.23952 | 9.57762 | 13.54672 | 18.05922 | 0.71543 | 0.79830 | 5.66543 | 12.66867 |
| 58 CO | 7.82572 | 10.33571 | 14.66434 | 18.58131 | 0.72744 | 0.81171 | 5.76055 | 14.72784 |
| 59 CO | 8.41191 | 11.09380 | 15.78195 | 19.16060 | 0.74100 | 0.82684 | 5.86794 | 16.78701 |
| 60 CO | 8.99811 | 11.85189 | 16.89957 | 19.80147 | 0.75619 | 0.84379 | 5.98821 | 18.84618 |
| 61 CO | 9.58431 | 12.60998 | 18.01719 | 20.50884 | 0.77309 | 0.86265 | 6.12209 | 20.90535 |
| 62 CO | 10.17051 | 13.36807 | 19.13481 | 21.28827 | 0.79182 | 0.88354 | 6.27036 | 22.96451 |
| 63 CO | 10.75671 | 14.12616 | 20.25242 | 22.14598 | 0.81247 | 0.90659 | 6.43391 | 25.02369 |
| 64 CO | 11.34291 | 14.88425 | 21.37004 | 23.08900 | 0.83518 | 0.93193 | 6.61377 | 27.08286 |
| 65 CO | 11.92910 | 15.64234 | 22.48766 | 24.12518 | 0.86009 | 0.95973 | 6.81103 | 29.14202 |

# Table A-39
# Victoria 2006 Emission Rates
# for Time Period 1

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 1.83189 | 2.17069 | 3.01302 | 3.62839 | 1.85479 | 2.10907 | 12.94486 | 0.89199 |
| 4 | NOX | 1.67440 | 1.98407 | 2.75399 | 3.66593 | 1.77668 | 2.02024 | 12.39966 | 0.85317 |
| 5 | NOX | 1.57991 | 1.87210 | 2.59857 | 3.70348 | 1.70427 | 1.93790 | 11.89429 | 0.82096 |
| 6 | NOX | 1.51692 | 1.79746 | 2.49496 | 3.74103 | 1.63713 | 1.86156 | 11.42574 | 0.79485 |
| 7 | NOX | 1.47192 | 1.74414 | 2.42095 | 3.77857 | 1.57487 | 1.79077 | 10.99124 | 0.77435 |
| 8 | NOX | 1.43817 | 1.70415 | 2.36544 | 3.81612 | 1.51714 | 1.72512 | 10.58829 | 0.75899 |
| 9 | NOX | 1.41192 | 1.67305 | 2.32227 | 3.85367 | 1.46359 | 1.66424 | 10.21461 | 0.74831 |
| 10 | NOX | 1.39092 | 1.64816 | 2.28773 | 3.89121 | 1.41395 | 1.60778 | 9.86811 | 0.74188 |
| 11 | NOX | 1.37374 | 1.62781 | 2.25948 | 3.92876 | 1.36792 | 1.55545 | 9.54692 | 0.73929 |
| 12 | NOX | 1.35943 | 1.61084 | 2.23593 | 3.96631 | 1.32528 | 1.50696 | 9.24931 | 0.74013 |
| 13 | NOX | 1.34731 | 1.59649 | 2.21600 | 4.00385 | 1.28579 | 1.46206 | 8.97371 | 0.74403 |
| 14 | NOX | 1.33693 | 1.58418 | 2.19892 | 4.04140 | 1.24925 | 1.42051 | 8.71869 | 0.75061 |
| 15 | NOX | 1.32793 | 1.57352 | 2.18412 | 4.07895 | 1.21547 | 1.38210 | 8.48295 | 0.75953 |
| 16 | NOX | 1.32005 | 1.56419 | 2.17117 | 4.11649 | 1.18429 | 1.34664 | 8.26532 | 0.77047 |
| 17 | NOX | 1.31311 | 1.55595 | 2.15974 | 4.15404 | 1.15555 | 1.31396 | 8.06472 | 0.78310 |
| 18 | NOX | 1.30693 | 1.54864 | 2.14958 | 4.19159 | 1.12910 | 1.28389 | 7.88017 | 0.79715 |
| 19 | NOX | 1.30140 | 1.54209 | 2.14050 | 4.22913 | 1.10483 | 1.25629 | 7.71078 | 0.81233 |
| 20 | NOX | 1.30425 | 1.53305 | 2.12832 | 4.26668 | 1.08262 | 1.23104 | 7.55575 | 0.82839 |
| 21 | NOX | 1.31261 | 1.53587 | 2.13265 | 4.30423 | 1.06236 | 1.20800 | 7.41436 | 0.84508 |
| 22 | NOX | 1.32022 | 1.53842 | 2.13659 | 4.34178 | 1.04396 | 1.18708 | 7.28596 | 0.86219 |
| 23 | NOX | 1.32716 | 1.54076 | 2.14018 | 4.37932 | 1.02734 | 1.16818 | 7.16995 | 0.87951 |
| 24 | NOX | 1.33352 | 1.54290 | 2.14348 | 4.41687 | 1.01242 | 1.15121 | 7.06582 | 0.89685 |
| 25 | NOX | 1.33938 | 1.54487 | 2.14651 | 4.45442 | 0.99913 | 1.13610 | 6.97309 | 0.91405 |
| 26 | NOX | 1.34478 | 1.54669 | 2.14931 | 4.49196 | 0.98742 | 1.12279 | 6.89136 | 0.93096 |
| 27 | NOX | 1.34979 | 1.54838 | 2.15190 | 4.52951 | 0.97724 | 1.11121 | 6.82027 | 0.94743 |
| 28 | NOX | 1.35444 | 1.54994 | 2.15431 | 4.56706 | 0.96853 | 1.10130 | 6.75950 | 0.96336 |
| 29 | NOX | 1.35876 | 1.55140 | 2.15655 | 4.60460 | 0.96126 | 1.09304 | 6.70879 | 0.97865 |
| 30 | NOX | 1.36280 | 1.55276 | 2.15864 | 4.64215 | 0.95541 | 1.08638 | 6.66793 | 0.99322 |
| 31 | NOX | 1.36658 | 1.55403 | 2.16060 | 4.67970 | 0.95094 | 1.08130 | 6.63673 | 1.00701 |
| 32 | NOX | 1.37012 | 1.55522 | 2.16244 | 4.71724 | 0.94783 | 1.07777 | 6.61506 | 1.01997 |
| 33 | NOX | 1.37345 | 1.55634 | 2.16416 | 4.75479 | 0.94608 | 1.07578 | 6.60283 | 1.03208 |
| 34 | NOX | 1.37658 | 1.55739 | 2.16578 | 4.79234 | 0.94568 | 1.07532 | 6.59999 | 1.04332 |
| 35 | NOX | 1.37953 | 1.55839 | 2.16731 | 4.82988 | 0.94661 | 1.07638 | 6.60653 | 1.05372 |
| 36 | NOX | 1.38232 | 1.55933 | 2.16875 | 4.86743 | 0.94890 | 1.07898 | 6.62247 | 1.06328 |
| 37 | NOX | 1.38496 | 1.56021 | 2.17012 | 4.90498 | 0.95254 | 1.08312 | 6.64789 | 1.07207 |
| 38 | NOX | 1.38745 | 1.56105 | 2.17141 | 4.94252 | 0.95755 | 1.08882 | 6.68288 | 1.08013 |
| 39 | NOX | 1.38982 | 1.56185 | 2.17264 | 4.98007 | 0.96396 | 1.09611 | 6.72760 | 1.08756 |
| 40 | NOX | 1.39208 | 1.56261 | 2.17381 | 5.01762 | 0.97179 | 1.10501 | 6.78225 | 1.09445 |
| 41 | NOX | 1.39422 | 1.56333 | 2.17492 | 5.05516 | 0.98108 | 1.11557 | 6.84706 | 1.10091 |
| 42 | NOX | 1.39626 | 1.56402 | 2.17598 | 5.09271 | 0.99186 | 1.12783 | 6.92231 | 1.10708 |
| 43 | NOX | 1.39820 | 1.56467 | 2.17698 | 5.13026 | 1.00418 | 1.14185 | 7.00833 | 1.11311 |
| 44 | NOX | 1.40006 | 1.56530 | 2.17794 | 5.16780 | 1.01811 | 1.15768 | 7.10550 | 1.11917 |
| 45 | NOX | 1.40184 | 1.56589 | 2.17886 | 5.20535 | 1.03369 | 1.17540 | 7.21425 | 1.12544 |
| 46 | NOX | 1.40353 | 1.56647 | 2.17974 | 5.24290 | 1.05100 | 1.19508 | 7.33508 | 1.13214 |
| 47 | NOX | 1.40516 | 1.56701 | 2.18058 | 5.28045 | 1.07012 | 1.21683 | 7.46853 | 1.13948 |
| 48 | NOX | 1.40671 | 1.56754 | 2.18139 | 5.31799 | 1.09114 | 1.24072 | 7.61522 | 1.14770 |
| 49 | NOX | 1.44829 | 1.62656 | 2.26385 | 5.35554 | 1.11415 | 1.26689 | 7.77582 | 1.18507 |
| 50 | NOX | 1.48987 | 1.68558 | 2.34630 | 5.39309 | 1.13927 | 1.29545 | 7.95109 | 1.22244 |
| 51 | NOX | 1.53144 | 1.74461 | 2.42876 | 5.43063 | 1.16660 | 1.32653 | 8.14186 | 1.25981 |
| 52 | NOX | 1.57302 | 1.80363 | 2.51121 | 5.46818 | 1.19629 | 1.36029 | 8.34906 | 1.29719 |
| 53 | NOX | 1.61459 | 1.86266 | 2.59367 | 5.50573 | 1.22848 | 1.39689 | 8.57370 | 1.33456 |
| 54 | NOX | 1.65617 | 1.92168 | 2.67613 | 5.54327 | 1.26332 | 1.43651 | 8.81689 | 1.37193 |
| 55 | NOX | 1.69774 | 1.98071 | 2.75858 | 5.58082 | 1.30100 | 1.47935 | 9.07986 | 1.40930 |
| 56 | NOX | 1.73932 | 2.03973 | 2.84104 | 5.61837 | 1.34171 | 1.52564 | 9.36397 | 1.44667 |
| 57 | NOX | 1.78089 | 2.09875 | 2.92349 | 5.65591 | 1.38566 | 1.57561 | 9.67068 | 1.48405 |
| 58 | NOX | 1.82247 | 2.15778 | 3.00595 | 5.69346 | 1.43308 | 1.62954 | 10.00164 | 1.52142 |
| 59 | NOX | 1.86404 | 2.21680 | 3.08841 | 5.73101 | 1.48423 | 1.68770 | 10.35862 | 1.55879 |
| 60 | NOX | 1.90562 | 2.27583 | 3.17086 | 5.76855 | 1.53939 | 1.75042 | 10.74358 | 1.59616 |
| 61 | NOX | 1.94719 | 2.33485 | 3.25332 | 5.80610 | 1.59887 | 1.81805 | 11.15869 | 1.63353 |
| 62 | NOX | 1.98877 | 2.39387 | 3.33577 | 5.84365 | 1.66300 | 1.89098 | 11.60631 | 1.67091 |
| 63 | NOX | 2.03034 | 2.45290 | 3.41823 | 5.88119 | 1.73217 | 1.96963 | 12.08904 | 1.70828 |
| 64 | NOX | 2.07192 | 2.51192 | 3.50069 | 5.91874 | 1.80678 | 2.05446 | 12.60973 | 1.74565 |
| 65 | NOX | 2.11349 | 2.57095 | 3.58314 | 5.95629 | 1.88727 | 2.14600 | 13.17155 | 1.78302 |

# Table A-40
# Victoria 2006 VOC Emission Rates
# for Time Period 2

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 12.01722 | 13.44035 | 19.00953 | 22.39431 | 1.06484 | 1.47562 | 4.45924 | 11.08929 |
| 4 | VOC | 8.15380 | 9.14130 | 12.90483 | 16.27075 | 1.01096 | 1.40096 | 4.23362 | 9.56763 |
| 5 | VOC | 6.17764 | 6.93496 | 9.77238 | 13.09006 | 0.96066 | 1.33125 | 4.02296 | 8.44061 |
| 6 | VOC | 5.00266 | 5.61952 | 7.90506 | 11.11461 | 0.91366 | 1.26612 | 3.82614 | 7.58994 |
| 7 | VOC | 4.23317 | 4.75607 | 6.67949 | 9.74036 | 0.86973 | 1.20524 | 3.64216 | 6.93676 |
| 8 | VOC | 3.81612 | 4.27007 | 5.98726 | 8.94337 | 0.82864 | 1.14829 | 3.47008 | 6.42732 |
| 9 | VOC | 3.50063 | 3.90310 | 5.46499 | 8.28591 | 0.79018 | 1.09500 | 3.30904 | 6.02428 |
| 10 | VOC | 3.24388 | 3.60728 | 5.04465 | 7.71133 | 0.75417 | 1.04510 | 3.15825 | 5.70117 |
| 11 | VOC | 3.02985 | 3.36319 | 4.69845 | 7.20384 | 0.72044 | 0.99836 | 3.01698 | 5.43892 |
| 12 | VOC | 2.84786 | 3.15790 | 4.40785 | 6.75197 | 0.68882 | 0.95454 | 2.88458 | 5.22353 |
| 13 | VOC | 2.69052 | 2.98247 | 4.16002 | 6.34701 | 0.65917 | 0.91345 | 2.76041 | 5.04460 |
| 14 | VOC | 2.55254 | 2.83048 | 3.94580 | 5.98215 | 0.63135 | 0.87490 | 2.64391 | 4.89426 |
| 15 | VOC | 2.43005 | 2.69726 | 3.75846 | 5.65192 | 0.60524 | 0.83872 | 2.53455 | 4.76652 |
| 16 | VOC | 2.32015 | 2.57929 | 3.59297 | 5.35186 | 0.58072 | 0.80473 | 2.43186 | 4.65671 |
| 17 | VOC | 2.22062 | 2.47387 | 3.44546 | 5.07825 | 0.55768 | 0.77281 | 2.33539 | 4.56123 |
| 18 | VOC | 2.12972 | 2.37891 | 3.31295 | 4.82795 | 0.53602 | 0.74280 | 2.24471 | 4.47722 |
| 19 | VOC | 2.04610 | 2.29276 | 3.19306 | 4.59831 | 0.51567 | 0.71459 | 2.15946 | 4.40242 |
| 20 | VOC | 1.95727 | 2.20274 | 3.06770 | 4.39568 | 0.49652 | 0.68806 | 2.07927 | 4.33505 |
| 21 | VOC | 1.87712 | 2.11853 | 2.94819 | 4.22243 | 0.47850 | 0.66309 | 2.00382 | 4.27369 |
| 22 | VOC | 1.80402 | 2.04189 | 2.83946 | 4.06386 | 0.46155 | 0.63959 | 1.93282 | 4.21723 |
| 23 | VOC | 1.73703 | 1.97185 | 2.74010 | 3.91846 | 0.44558 | 0.61747 | 1.86596 | 4.16479 |
| 24 | VOC | 1.67540 | 1.90757 | 2.64893 | 3.78493 | 0.43055 | 0.59664 | 1.80301 | 4.11568 |
| 25 | VOC | 1.61849 | 1.84836 | 2.56499 | 3.66210 | 0.41639 | 0.57702 | 1.74371 | 4.06939 |
| 26 | VOC | 1.56574 | 1.79364 | 2.48743 | 3.54896 | 0.40305 | 0.55853 | 1.68785 | 4.02553 |
| 27 | VOC | 1.51669 | 1.74291 | 2.41554 | 3.44458 | 0.39048 | 0.54111 | 1.63522 | 3.98381 |
| 28 | VOC | 1.47096 | 1.69574 | 2.34871 | 3.34817 | 0.37864 | 0.52470 | 1.58562 | 3.94404 |
| 29 | VOC | 1.42819 | 1.65177 | 2.28643 | 3.25901 | 0.36748 | 0.50924 | 1.53888 | 3.90610 |
| 30 | VOC | 1.38809 | 1.61067 | 2.22824 | 3.17646 | 0.35696 | 0.49466 | 1.49484 | 3.86991 |
| 31 | VOC | 1.35041 | 1.57216 | 2.17374 | 3.09994 | 0.34705 | 0.48093 | 1.45333 | 3.83545 |
| 32 | VOC | 1.31490 | 1.53601 | 2.12258 | 3.02893 | 0.33771 | 0.46798 | 1.41422 | 3.80272 |
| 33 | VOC | 1.28139 | 1.50200 | 2.07447 | 2.96299 | 0.32891 | 0.45579 | 1.37737 | 3.77173 |
| 34 | VOC | 1.24968 | 1.46993 | 2.02913 | 2.90170 | 0.32062 | 0.44431 | 1.34267 | 3.74252 |
| 35 | VOC | 1.21964 | 1.43965 | 1.98633 | 2.84468 | 0.31282 | 0.43349 | 1.30999 | 3.71514 |
| 36 | VOC | 1.19111 | 1.41100 | 1.94584 | 2.79159 | 0.30547 | 0.42331 | 1.27923 | 3.68960 |
| 37 | VOC | 1.16397 | 1.38386 | 1.90750 | 2.74215 | 0.29856 | 0.41374 | 1.25029 | 3.66596 |
| 38 | VOC | 1.13812 | 1.35810 | 1.87112 | 2.69607 | 0.29207 | 0.40473 | 1.22309 | 3.64423 |
| 39 | VOC | 1.11346 | 1.33361 | 1.83656 | 2.65311 | 0.28596 | 0.39628 | 1.19753 | 3.62442 |
| 40 | VOC | 1.08989 | 1.31031 | 1.80368 | 2.61304 | 0.28023 | 0.38834 | 1.17353 | 3.60652 |
| 41 | VOC | 1.06734 | 1.28810 | 1.77236 | 2.57567 | 0.27486 | 0.38089 | 1.15103 | 3.59052 |
| 42 | VOC | 1.04573 | 1.26691 | 1.74248 | 2.54082 | 0.26983 | 0.37392 | 1.12995 | 3.57636 |
| 43 | VOC | 1.02501 | 1.24666 | 1.71394 | 2.50831 | 0.26512 | 0.36739 | 1.11024 | 3.56397 |
| 44 | VOC | 1.00510 | 1.22729 | 1.68666 | 2.47802 | 0.26072 | 0.36130 | 1.09183 | 3.55324 |
| 45 | VOC | 0.98595 | 1.20875 | 1.66055 | 2.44979 | 0.25663 | 0.35562 | 1.07467 | 3.54404 |
| 46 | VOC | 0.96752 | 1.19097 | 1.63553 | 2.42351 | 0.25282 | 0.35034 | 1.05872 | 3.53618 |
| 47 | VOC | 0.94976 | 1.17392 | 1.61154 | 2.39907 | 0.24928 | 0.34544 | 1.04391 | 3.52945 |
| 48 | VOC | 0.93257 | 1.15727 | 1.58810 | 2.37603 | 0.24601 | 0.34091 | 1.03023 | 3.52357 |
| 49 | VOC | 0.92638 | 1.15053 | 1.57856 | 2.35175 | 0.24300 | 0.33674 | 1.01761 | 3.52357 |
| 50 | VOC | 0.92057 | 1.14419 | 1.56958 | 2.32956 | 0.24024 | 0.33291 | 1.00604 | 3.52357 |
| 51 | VOC | 0.91508 | 1.13822 | 1.56113 | 2.30933 | 0.23771 | 0.32941 | 0.99547 | 3.52357 |
| 52 | VOC | 0.90992 | 1.13259 | 1.55315 | 2.29096 | 0.23542 | 0.32624 | 0.98588 | 3.52357 |
| 53 | VOC | 0.90503 | 1.12727 | 1.54562 | 2.27438 | 0.23336 | 0.32338 | 0.97724 | 3.52357 |
| 54 | VOC | 0.90042 | 1.12224 | 1.53850 | 2.25951 | 0.23152 | 0.32083 | 0.96953 | 3.52357 |
| 55 | VOC | 0.89605 | 1.11748 | 1.53176 | 2.24627 | 0.22989 | 0.31858 | 0.96273 | 3.52357 |
| 56 | VOC | 0.91400 | 1.13756 | 1.56195 | 2.23461 | 0.22848 | 0.31662 | 0.95682 | 3.59857 |
| 57 | VOC | 0.93217 | 1.15787 | 1.59246 | 2.22449 | 0.22728 | 0.31496 | 0.95178 | 3.67356 |
| 58 | VOC | 0.95054 | 1.17840 | 1.62328 | 2.21585 | 0.22628 | 0.31357 | 0.94760 | 3.74855 |
| 59 | VOC | 0.96909 | 1.19914 | 1.65439 | 2.20867 | 0.22549 | 0.31247 | 0.94427 | 3.82355 |
| 60 | VOC | 0.98781 | 1.22006 | 1.68577 | 2.20293 | 0.22489 | 0.31165 | 0.94178 | 3.89854 |
| 61 | VOC | 1.00670 | 1.24116 | 1.71740 | 2.19860 | 0.22450 | 0.31110 | 0.94013 | 3.97354 |
| 62 | VOC | 1.02574 | 1.26242 | 1.74926 | 2.19567 | 0.22430 | 0.31083 | 0.93930 | 4.04853 |
| 63 | VOC | 1.04493 | 1.28385 | 1.78135 | 2.19415 | 0.22430 | 0.31083 | 0.93930 | 4.12352 |
| 64 | VOC | 1.06425 | 1.30541 | 1.81364 | 2.19404 | 0.22450 | 0.31110 | 0.94013 | 4.19852 |
| 65 | VOC | 1.08369 | 1.32712 | 1.84613 | 2.19534 | 0.22489 | 0.31165 | 0.94178 | 4.27351 |

# Table A-41
# Victoria 2006 CO Emission Rates
# for Time Period 2

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 73.97894 | 81.23901 | 113.57347 | 118.95125 | 4.34370 | 4.84688 | 34.39747 | 166.05774 |
| 4 CO | 57.95247 | 63.86380 | 89.10837 | 108.68063 | 4.00321 | 4.46694 | 31.70115 | 132.43452 |
| 5 CO | 48.33659 | 53.43867 | 74.42931 | 99.51550 | 3.69613 | 4.12429 | 29.26941 | 108.16673 |
| 6 CO | 41.92602 | 46.48859 | 64.64326 | 91.32401 | 3.41882 | 3.81486 | 27.07343 | 90.25908 |
| 7 CO | 37.34702 | 41.52425 | 57.65322 | 83.99133 | 3.16808 | 3.53507 | 25.08784 | 76.77505 |
| 8 CO | 33.91278 | 37.80098 | 52.41070 | 77.41757 | 2.94108 | 3.28178 | 23.29021 | 66.43221 |
| 9 CO | 31.24171 | 34.90511 | 48.33318 | 71.51547 | 2.73531 | 3.05218 | 21.66078 | 58.36223 |
| 10 CO | 29.10485 | 32.58842 | 45.07117 | 66.20882 | 2.54858 | 2.84381 | 20.18204 | 51.96492 |
| 11 CO | 27.35651 | 30.69295 | 42.40224 | 61.43094 | 2.37892 | 2.65450 | 18.83850 | 46.81738 |
| 12 CO | 25.89956 | 29.11338 | 40.17815 | 57.12339 | 2.22460 | 2.48230 | 17.61645 | 42.61632 |
| 13 CO | 24.66675 | 27.77683 | 38.29621 | 53.23487 | 2.08408 | 2.32550 | 16.50367 | 39.14066 |
| 14 CO | 23.61007 | 26.63121 | 36.68313 | 49.72032 | 1.95599 | 2.18257 | 15.48936 | 36.22684 |
| 15 CO | 22.69426 | 25.63834 | 35.28512 | 46.54007 | 1.83912 | 2.05216 | 14.56386 | 33.75222 |
| 16 CO | 21.89294 | 24.76958 | 34.06187 | 43.65918 | 1.73238 | 1.93306 | 13.71861 | 31.62378 |
| 17 CO | 21.18589 | 24.00303 | 32.98252 | 41.04683 | 1.63481 | 1.82419 | 12.94595 | 29.77026 |
| 18 CO | 20.55740 | 23.32165 | 32.02311 | 38.67579 | 1.54554 | 1.72458 | 12.23907 | 28.13659 |
| 19 CO | 19.99507 | 22.71199 | 31.16468 | 36.52196 | 1.46382 | 1.63338 | 11.59186 | 26.68007 |
| 20 CO | 19.16398 | 21.87309 | 30.02241 | 34.56403 | 1.38893 | 1.54983 | 10.99888 | 25.36733 |
| 21 CO | 18.10292 | 20.75864 | 28.51481 | 32.78312 | 1.32028 | 1.47323 | 10.45524 | 24.17238 |
| 22 CO | 17.13831 | 19.74549 | 27.14427 | 31.16244 | 1.25731 | 1.40296 | 9.95657 | 23.07494 |
| 23 CO | 16.25759 | 18.82045 | 25.89291 | 29.68713 | 1.19953 | 1.33848 | 9.49897 | 22.05924 |
| 24 CO | 15.45026 | 17.97248 | 24.74582 | 28.34395 | 1.14648 | 1.27929 | 9.07890 | 21.11311 |
| 25 CO | 14.70752 | 17.19236 | 23.69050 | 27.12115 | 1.09778 | 1.22494 | 8.69322 | 20.22725 |
| 26 CO | 14.02191 | 16.47225 | 22.71637 | 26.00825 | 1.05306 | 1.17504 | 8.33908 | 19.39457 |
| 27 CO | 13.38709 | 15.80548 | 21.81438 | 24.99595 | 1.01200 | 1.12923 | 8.01394 | 18.60980 |
| 28 CO | 12.79761 | 15.18633 | 20.97683 | 24.07596 | 0.97431 | 1.08718 | 7.71551 | 17.86904 |
| 29 CO | 12.24879 | 14.60989 | 20.19704 | 23.24090 | 0.93974 | 1.04860 | 7.44173 | 17.16945 |
| 30 CO | 11.73655 | 14.07188 | 19.46923 | 22.48422 | 0.90804 | 1.01323 | 7.19073 | 16.50898 |
| 31 CO | 11.25736 | 13.56857 | 18.78838 | 21.80008 | 0.87901 | 0.98084 | 6.96086 | 15.88615 |
| 32 CO | 10.80812 | 13.09672 | 18.15009 | 21.18331 | 0.85246 | 0.95121 | 6.75061 | 15.29991 |
| 33 CO | 10.38611 | 12.65347 | 17.55048 | 20.62933 | 0.82822 | 0.92416 | 6.55864 | 14.74941 |
| 34 CO | 9.98892 | 12.23629 | 16.98614 | 20.13408 | 0.80614 | 0.89952 | 6.38373 | 14.23401 |
| 35 CO | 9.61443 | 11.84295 | 16.45404 | 19.69399 | 0.78607 | 0.87713 | 6.22481 | 13.75304 |
| 36 CO | 9.26074 | 11.47147 | 15.95151 | 19.30596 | 0.76789 | 0.85685 | 6.08090 | 13.30587 |
| 37 CO | 8.92618 | 11.12006 | 15.47614 | 18.96725 | 0.75151 | 0.83856 | 5.95114 | 12.89178 |
| 38 CO | 8.60922 | 10.78715 | 15.02579 | 18.67552 | 0.73681 | 0.82216 | 5.83476 | 12.50991 |
| 39 CO | 8.30851 | 10.47131 | 14.59854 | 18.42879 | 0.72372 | 0.80755 | 5.73108 | 12.15929 |
| 40 CO | 8.02284 | 10.17126 | 14.19265 | 18.22536 | 0.71215 | 0.79465 | 5.63949 | 11.83875 |
| 41 CO | 7.75111 | 9.88585 | 13.80655 | 18.06387 | 0.70205 | 0.78337 | 5.55947 | 11.54689 |
| 42 CO | 7.49231 | 9.61403 | 13.43885 | 17.94325 | 0.69335 | 0.77367 | 5.49058 | 11.28216 |
| 43 CO | 7.24555 | 9.35486 | 13.08824 | 17.86268 | 0.68600 | 0.76547 | 5.43241 | 11.04266 |
| 44 CO | 7.01001 | 9.10746 | 12.75358 | 17.82164 | 0.67997 | 0.75874 | 5.38465 | 10.82626 |
| 45 CO | 6.78494 | 8.87106 | 12.43378 | 17.81986 | 0.67522 | 0.75344 | 5.34704 | 10.63047 |
| 46 CO | 6.56965 | 8.64494 | 12.12790 | 17.85733 | 0.67173 | 0.74954 | 5.31936 | 10.45246 |
| 47 CO | 6.36352 | 8.42844 | 11.83502 | 17.93427 | 0.66947 | 0.74702 | 5.30146 | 10.28895 |
| 48 CO | 6.16598 | 8.22096 | 11.55435 | 18.05123 | 0.66843 | 0.74586 | 5.29325 | 10.13623 |
| 49 CO | 6.16598 | 8.22096 | 11.55435 | 18.20896 | 0.66861 | 0.74606 | 5.29468 | 10.13623 |
| 50 CO | 6.16598 | 8.22096 | 11.55435 | 18.40852 | 0.67001 | 0.74762 | 5.30576 | 10.13623 |
| 51 CO | 6.16598 | 8.22096 | 11.55435 | 18.65126 | 0.67263 | 0.75055 | 5.32655 | 10.13623 |
| 52 CO | 6.16598 | 8.22096 | 11.55435 | 18.93882 | 0.67650 | 0.75487 | 5.35715 | 10.13623 |
| 53 CO | 6.16598 | 8.22096 | 11.55435 | 19.27317 | 0.68163 | 0.76059 | 5.39775 | 10.13623 |
| 54 CO | 6.16598 | 8.22096 | 11.55435 | 19.65661 | 0.68804 | 0.76775 | 5.44857 | 10.13623 |
| 55 CO | 6.16598 | 8.22096 | 11.55435 | 20.09184 | 0.69579 | 0.77639 | 5.50988 | 10.13623 |
| 56 CO | 6.76235 | 8.99855 | 12.70462 | 20.58194 | 0.70490 | 0.78655 | 5.58203 | 12.57733 |
| 57 CO | 7.35871 | 9.77614 | 13.85489 | 21.13042 | 0.71543 | 0.79830 | 5.66543 | 15.01843 |
| 58 CO | 7.95507 | 10.55374 | 15.00517 | 21.74130 | 0.72744 | 0.81171 | 5.76055 | 17.45953 |
| 59 CO | 8.55143 | 11.33133 | 16.15544 | 22.41911 | 0.74100 | 0.82684 | 5.86794 | 19.90064 |
| 60 CO | 9.14779 | 12.10892 | 17.30571 | 23.16897 | 0.75619 | 0.84379 | 5.98821 | 22.34174 |
| 61 CO | 9.74416 | 12.88652 | 18.45598 | 23.99664 | 0.77309 | 0.86265 | 6.12209 | 24.78284 |
| 62 CO | 10.34052 | 13.66411 | 19.60625 | 24.90862 | 0.79182 | 0.88354 | 6.27036 | 27.22393 |
| 63 CO | 10.93688 | 14.44170 | 20.75652 | 25.91220 | 0.81247 | 0.90659 | 6.43391 | 29.66504 |
| 64 CO | 11.53324 | 15.21930 | 21.90679 | 27.01558 | 0.83518 | 0.93193 | 6.61377 | 32.10614 |
| 65 CO | 12.12960 | 15.99689 | 23.05706 | 28.22799 | 0.86009 | 0.95973 | 6.81103 | 34.54724 |

# Table A-42
# Victoria 2006 NOX Emission Rates
# for Time Period 2

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 1.85531 | 2.19822 | 3.05178 | 3.64361 | 1.85479 | 2.10907 | 12.94486 | 0.82343 |
| 4 | NOX | 1.69581 | 2.00924 | 2.78942 | 3.68132 | 1.77668 | 2.02024 | 12.39966 | 0.78760 |
| 5 | NOX | 1.60011 | 1.89585 | 2.63200 | 3.71902 | 1.70427 | 1.93790 | 11.89429 | 0.75786 |
| 6 | NOX | 1.53631 | 1.82026 | 2.52706 | 3.75672 | 1.63713 | 1.86156 | 11.42574 | 0.73376 |
| 7 | NOX | 1.49073 | 1.76626 | 2.45209 | 3.79443 | 1.57487 | 1.79077 | 10.99124 | 0.71483 |
| 8 | NOX | 1.45655 | 1.72577 | 2.39587 | 3.83213 | 1.51714 | 1.72512 | 10.58829 | 0.70065 |
| 9 | NOX | 1.42997 | 1.69427 | 2.35215 | 3.86984 | 1.46359 | 1.66424 | 10.21461 | 0.69079 |
| 10 | NOX | 1.40870 | 1.66907 | 2.31716 | 3.90754 | 1.41395 | 1.60778 | 9.86811 | 0.68486 |
| 11 | NOX | 1.39130 | 1.64845 | 2.28854 | 3.94525 | 1.36792 | 1.55545 | 9.54692 | 0.68247 |
| 12 | NOX | 1.37680 | 1.63127 | 2.26469 | 3.98295 | 1.32528 | 1.50696 | 9.24931 | 0.68324 |
| 13 | NOX | 1.36453 | 1.61674 | 2.24451 | 4.02065 | 1.28579 | 1.46206 | 8.97371 | 0.68684 |
| 14 | NOX | 1.35402 | 1.60428 | 2.22721 | 4.05836 | 1.24925 | 1.42051 | 8.71869 | 0.69291 |
| 15 | NOX | 1.34490 | 1.59348 | 2.21222 | 4.09606 | 1.21547 | 1.38210 | 8.48295 | 0.70115 |
| 16 | NOX | 1.33693 | 1.58403 | 2.19910 | 4.13377 | 1.18429 | 1.34664 | 8.26532 | 0.71125 |
| 17 | NOX | 1.32989 | 1.57569 | 2.18753 | 4.17147 | 1.15555 | 1.31396 | 8.06472 | 0.72291 |
| 18 | NOX | 1.32364 | 1.56828 | 2.17724 | 4.20918 | 1.12910 | 1.28389 | 7.88017 | 0.73588 |
| 19 | NOX | 1.31804 | 1.56165 | 2.16803 | 4.24688 | 1.10483 | 1.25629 | 7.71078 | 0.74989 |
| 20 | NOX | 1.32092 | 1.55249 | 2.15569 | 4.28458 | 1.08262 | 1.23104 | 7.55575 | 0.76472 |
| 21 | NOX | 1.32939 | 1.55534 | 2.16007 | 4.32229 | 1.06236 | 1.20800 | 7.41436 | 0.78013 |
| 22 | NOX | 1.33709 | 1.55793 | 2.16405 | 4.35999 | 1.04396 | 1.18708 | 7.28596 | 0.79592 |
| 23 | NOX | 1.34412 | 1.56029 | 2.16768 | 4.39770 | 1.02734 | 1.16818 | 7.16995 | 0.81191 |
| 24 | NOX | 1.35057 | 1.56245 | 2.17101 | 4.43540 | 1.01242 | 1.15121 | 7.06582 | 0.82792 |
| 25 | NOX | 1.35650 | 1.56444 | 2.17408 | 4.47311 | 0.99913 | 1.13610 | 6.97309 | 0.84380 |
| 26 | NOX | 1.36197 | 1.56628 | 2.17691 | 4.51081 | 0.98742 | 1.12279 | 6.89136 | 0.85940 |
| 27 | NOX | 1.36704 | 1.56799 | 2.17952 | 4.54851 | 0.97724 | 1.11121 | 6.82027 | 0.87461 |
| 28 | NOX | 1.37175 | 1.56957 | 2.18196 | 4.58622 | 0.96853 | 1.10130 | 6.75950 | 0.88932 |
| 29 | NOX | 1.37613 | 1.57104 | 2.18422 | 4.62392 | 0.96126 | 1.09304 | 6.70879 | 0.90343 |
| 30 | NOX | 1.38022 | 1.57241 | 2.18634 | 4.66163 | 0.95541 | 1.08638 | 6.66793 | 0.91688 |
| 31 | NOX | 1.38404 | 1.57370 | 2.18831 | 4.69933 | 0.95094 | 1.08130 | 6.63673 | 0.92961 |
| 32 | NOX | 1.38763 | 1.57490 | 2.19017 | 4.73704 | 0.94783 | 1.07777 | 6.61506 | 0.94158 |
| 33 | NOX | 1.39100 | 1.57603 | 2.19191 | 4.77474 | 0.94608 | 1.07578 | 6.60283 | 0.95275 |
| 34 | NOX | 1.39417 | 1.57710 | 2.19355 | 4.81244 | 0.94568 | 1.07532 | 6.59999 | 0.96313 |
| 35 | NOX | 1.39716 | 1.57810 | 2.19509 | 4.85015 | 0.94661 | 1.07638 | 6.60653 | 0.97273 |
| 36 | NOX | 1.39999 | 1.57905 | 2.19655 | 4.88785 | 0.94890 | 1.07898 | 6.62247 | 0.98156 |
| 37 | NOX | 1.40266 | 1.57995 | 2.19793 | 4.92556 | 0.95254 | 1.08312 | 6.64789 | 0.98967 |
| 38 | NOX | 1.40519 | 1.58080 | 2.19924 | 4.96326 | 0.95755 | 1.08882 | 6.68288 | 0.99711 |
| 39 | NOX | 1.40759 | 1.58161 | 2.20048 | 5.00097 | 0.96396 | 1.09611 | 6.72760 | 1.00397 |
| 40 | NOX | 1.40987 | 1.58237 | 2.20166 | 5.03867 | 0.97179 | 1.10501 | 6.78225 | 1.01032 |
| 41 | NOX | 1.41204 | 1.58310 | 2.20278 | 5.07638 | 0.98108 | 1.11557 | 6.84706 | 1.01629 |
| 42 | NOX | 1.41410 | 1.58379 | 2.20385 | 5.11408 | 0.99186 | 1.12783 | 6.92231 | 1.02199 |
| 43 | NOX | 1.41607 | 1.58446 | 2.20487 | 5.15178 | 1.00418 | 1.14185 | 7.00833 | 1.02755 |
| 44 | NOX | 1.41795 | 1.58509 | 2.20584 | 5.18949 | 1.01811 | 1.15768 | 7.10550 | 1.03315 |
| 45 | NOX | 1.41975 | 1.58569 | 2.20677 | 5.22719 | 1.03369 | 1.17540 | 7.21425 | 1.03894 |
| 46 | NOX | 1.42147 | 1.58627 | 2.20766 | 5.26490 | 1.05100 | 1.19508 | 7.33508 | 1.04512 |
| 47 | NOX | 1.42312 | 1.58682 | 2.20851 | 5.30260 | 1.07012 | 1.21683 | 7.46853 | 1.05189 |
| 48 | NOX | 1.42469 | 1.58735 | 2.20932 | 5.34031 | 1.09114 | 1.24072 | 7.61522 | 1.05948 |
| 49 | NOX | 1.46680 | 1.64712 | 2.29283 | 5.37801 | 1.11415 | 1.26689 | 7.77582 | 1.09398 |
| 50 | NOX | 1.50891 | 1.70689 | 2.37633 | 5.41571 | 1.13927 | 1.29545 | 7.95109 | 1.12848 |
| 51 | NOX | 1.55101 | 1.76665 | 2.45984 | 5.45342 | 1.16660 | 1.32653 | 8.14186 | 1.16298 |
| 52 | NOX | 1.59312 | 1.82642 | 2.54335 | 5.49112 | 1.19629 | 1.36029 | 8.34906 | 1.19748 |
| 53 | NOX | 1.63523 | 1.88619 | 2.62685 | 5.52883 | 1.22848 | 1.39689 | 8.57370 | 1.23198 |
| 54 | NOX | 1.67733 | 1.94596 | 2.71036 | 5.56653 | 1.26332 | 1.43651 | 8.81689 | 1.26648 |
| 55 | NOX | 1.71944 | 2.00572 | 2.79387 | 5.60424 | 1.30100 | 1.47935 | 9.07986 | 1.30098 |
| 56 | NOX | 1.76154 | 2.06549 | 2.87737 | 5.64194 | 1.34171 | 1.52564 | 9.36397 | 1.33548 |
| 57 | NOX | 1.80365 | 2.12526 | 2.96088 | 5.67965 | 1.38566 | 1.57561 | 9.67068 | 1.36998 |
| 58 | NOX | 1.84576 | 2.18503 | 3.04439 | 5.71735 | 1.43308 | 1.62954 | 10.00164 | 1.40448 |
| 59 | NOX | 1.88786 | 2.24479 | 3.12789 | 5.75505 | 1.48423 | 1.68770 | 10.35862 | 1.43898 |
| 60 | NOX | 1.92997 | 2.30456 | 3.21140 | 5.79276 | 1.53939 | 1.75042 | 10.74358 | 1.47348 |
| 61 | NOX | 1.97208 | 2.36433 | 3.29490 | 5.83046 | 1.59887 | 1.81805 | 11.15869 | 1.50798 |
| 62 | NOX | 2.01418 | 2.42410 | 3.37841 | 5.86817 | 1.66300 | 1.89098 | 11.60631 | 1.54248 |
| 63 | NOX | 2.05629 | 2.48387 | 3.46192 | 5.90587 | 1.73217 | 1.96963 | 12.08904 | 1.57698 |
| 64 | NOX | 2.09840 | 2.54363 | 3.54542 | 5.94358 | 1.80678 | 2.05446 | 12.60973 | 1.61148 |
| 65 | NOX | 2.14050 | 2.60340 | 3.62893 | 5.98128 | 1.88727 | 2.14600 | 13.17155 | 1.64597 |

# Table A-43
# Victoria 2006 VOC Emission Rates
# for Time Period 3

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 VOC | 12.44923 | 13.81298 | 19.55912 | 23.33261 | 1.06484 | 1.47562 | 4.45924 | 11.19793 |
| 4 VOC | 8.41829 | 9.35484 | 13.21926 | 16.86003 | 1.01096 | 1.40096 | 4.23362 | 9.67727 |
| 5 VOC | 6.36119 | 7.07475 | 9.97769 | 13.51222 | 0.96066 | 1.33125 | 4.02296 | 8.55100 |
| 6 VOC | 5.14040 | 5.71919 | 8.05095 | 11.44257 | 0.91366 | 1.26612 | 3.82614 | 7.70090 |
| 7 VOC | 4.34218 | 4.83151 | 6.78948 | 10.00926 | 0.86973 | 1.20524 | 3.64216 | 7.04814 |
| 8 VOC | 3.91358 | 4.33614 | 6.08331 | 9.18755 | 0.82864 | 1.14829 | 3.47008 | 6.53904 |
| 9 VOC | 3.58941 | 3.96268 | 5.55134 | 8.51157 | 0.79018 | 1.09500 | 3.30904 | 6.13627 |
| 10 VOC | 3.32519 | 3.66172 | 5.12333 | 7.92130 | 0.75417 | 1.04510 | 3.15825 | 5.81337 |
| 11 VOC | 3.10459 | 3.41350 | 4.77091 | 7.40023 | 0.72044 | 0.99836 | 3.01698 | 5.55129 |
| 12 VOC | 2.91669 | 3.20482 | 4.47519 | 6.93638 | 0.68882 | 0.95454 | 2.88458 | 5.33605 |
| 13 VOC | 2.75394 | 3.02656 | 4.22309 | 6.52071 | 0.65917 | 0.91345 | 2.76041 | 5.15723 |
| 14 VOC | 2.61097 | 2.87221 | 4.00526 | 6.14616 | 0.63135 | 0.87490 | 2.64391 | 5.00700 |
| 15 VOC | 2.48380 | 2.73698 | 3.81484 | 5.80708 | 0.60524 | 0.83872 | 2.53455 | 4.87934 |
| 16 VOC | 2.36949 | 2.61729 | 3.64669 | 5.49885 | 0.58072 | 0.80473 | 2.43186 | 4.76961 |
| 17 VOC | 2.26575 | 2.51039 | 3.49689 | 5.21764 | 0.55768 | 0.77281 | 2.33539 | 4.67419 |
| 18 VOC | 2.17084 | 2.41416 | 3.36238 | 4.96024 | 0.53602 | 0.74280 | 2.24471 | 4.59023 |
| 19 VOC | 2.08335 | 2.32691 | 3.24074 | 4.72391 | 0.51567 | 0.71459 | 2.15946 | 4.51548 |
| 20 VOC | 1.99168 | 2.23575 | 3.11364 | 4.51604 | 0.49652 | 0.68806 | 2.07927 | 4.44815 |
| 21 VOC | 1.91023 | 2.15030 | 2.99231 | 4.33947 | 0.47850 | 0.66309 | 2.00382 | 4.38684 |
| 22 VOC | 1.83592 | 2.07253 | 2.88192 | 4.17785 | 0.46155 | 0.63959 | 1.93282 | 4.33041 |
| 23 VOC | 1.76781 | 2.00145 | 2.78104 | 4.02965 | 0.44558 | 0.61747 | 1.86596 | 4.27801 |
| 24 VOC | 1.70514 | 1.93621 | 2.68849 | 3.89353 | 0.43055 | 0.59664 | 1.80301 | 4.22893 |
| 25 VOC | 1.64724 | 1.87612 | 2.60326 | 3.76831 | 0.41639 | 0.57702 | 1.74371 | 4.18267 |
| 26 VOC | 1.59357 | 1.82059 | 2.52450 | 3.65293 | 0.40305 | 0.55853 | 1.68785 | 4.13883 |
| 27 VOC | 1.54366 | 1.76910 | 2.45151 | 3.54647 | 0.39048 | 0.54111 | 1.63522 | 4.09714 |
| 28 VOC | 1.49710 | 1.72123 | 2.38366 | 3.44812 | 0.37864 | 0.52470 | 1.58562 | 4.05740 |
| 29 VOC | 1.45355 | 1.67659 | 2.32042 | 3.35714 | 0.36748 | 0.50924 | 1.53888 | 4.01949 |
| 30 VOC | 1.41271 | 1.63487 | 2.26133 | 3.27287 | 0.35696 | 0.49466 | 1.49484 | 3.98332 |
| 31 VOC | 1.37432 | 1.59579 | 2.20598 | 3.19474 | 0.34705 | 0.48093 | 1.45333 | 3.94889 |
| 32 VOC | 1.33814 | 1.55909 | 2.15403 | 3.12222 | 0.33771 | 0.46798 | 1.41422 | 3.91618 |
| 33 VOC | 1.30397 | 1.52456 | 2.10518 | 3.05485 | 0.32891 | 0.45579 | 1.37737 | 3.88521 |
| 34 VOC | 1.27164 | 1.49201 | 2.05913 | 2.99219 | 0.32062 | 0.44431 | 1.34267 | 3.85602 |
| 35 VOC | 1.24100 | 1.46127 | 2.01566 | 2.93388 | 0.31282 | 0.43349 | 1.30999 | 3.82865 |
| 36 VOC | 1.21189 | 1.43219 | 1.97455 | 2.87958 | 0.30547 | 0.42331 | 1.27923 | 3.80313 |
| 37 VOC | 1.18419 | 1.40463 | 1.93560 | 2.82897 | 0.29856 | 0.41374 | 1.25029 | 3.77950 |
| 38 VOC | 1.15780 | 1.37848 | 1.89866 | 2.78177 | 0.29207 | 0.40473 | 1.22309 | 3.75779 |
| 39 VOC | 1.13261 | 1.35361 | 1.86355 | 2.73775 | 0.28596 | 0.39628 | 1.19753 | 3.73799 |
| 40 VOC | 1.10854 | 1.32995 | 1.83016 | 2.69667 | 0.28023 | 0.38834 | 1.17353 | 3.72011 |
| 41 VOC | 1.08549 | 1.30740 | 1.79834 | 2.65833 | 0.27486 | 0.38089 | 1.15103 | 3.70412 |
| 42 VOC | 1.06341 | 1.28588 | 1.76799 | 2.62255 | 0.26983 | 0.37392 | 1.12995 | 3.68997 |
| 43 VOC | 1.04221 | 1.26532 | 1.73900 | 2.58915 | 0.26512 | 0.36739 | 1.11024 | 3.67759 |
| 44 VOC | 1.02184 | 1.24565 | 1.71129 | 2.55800 | 0.26072 | 0.36130 | 1.09183 | 3.66686 |
| 45 VOC | 1.00225 | 1.22682 | 1.68476 | 2.52895 | 0.25663 | 0.35562 | 1.07467 | 3.65767 |
| 46 VOC | 0.98338 | 1.20876 | 1.65935 | 2.50187 | 0.25282 | 0.35034 | 1.05872 | 3.64981 |
| 47 VOC | 0.96519 | 1.19144 | 1.63497 | 2.47667 | 0.24928 | 0.34544 | 1.04391 | 3.64308 |
| 48 VOC | 0.94759 | 1.17452 | 1.61114 | 2.45288 | 0.24601 | 0.34091 | 1.03023 | 3.63721 |
| 49 VOC | 0.94106 | 1.16739 | 1.60103 | 2.42775 | 0.24300 | 0.33674 | 1.01761 | 3.63721 |
| 50 VOC | 0.93492 | 1.16069 | 1.59152 | 2.40476 | 0.24024 | 0.33291 | 1.00604 | 3.63721 |
| 51 VOC | 0.92913 | 1.15438 | 1.58256 | 2.38378 | 0.23771 | 0.32941 | 0.99547 | 3.63721 |
| 52 VOC | 0.92367 | 1.14842 | 1.57411 | 2.36472 | 0.23542 | 0.32624 | 0.98588 | 3.63721 |
| 53 VOC | 0.91851 | 1.14280 | 1.56613 | 2.34749 | 0.23336 | 0.32338 | 0.97724 | 3.63721 |
| 54 VOC | 0.91364 | 1.13749 | 1.55859 | 2.33200 | 0.23152 | 0.32083 | 0.96953 | 3.63721 |
| 55 VOC | 0.90903 | 1.13246 | 1.55145 | 2.31819 | 0.22989 | 0.31858 | 0.96273 | 3.63721 |
| 56 VOC | 0.92679 | 1.15232 | 1.58132 | 2.30599 | 0.22848 | 0.31662 | 0.95682 | 3.71216 |
| 57 VOC | 0.94477 | 1.17244 | 1.61155 | 2.29536 | 0.22728 | 0.31496 | 0.95178 | 3.78710 |
| 58 VOC | 0.96297 | 1.19278 | 1.64210 | 2.28625 | 0.22628 | 0.31357 | 0.94760 | 3.86205 |
| 59 VOC | 0.98136 | 1.21334 | 1.67296 | 2.27863 | 0.22549 | 0.31247 | 0.94427 | 3.93699 |
| 60 VOC | 0.99994 | 1.23410 | 1.70410 | 2.27248 | 0.22489 | 0.31165 | 0.94178 | 4.01194 |
| 61 VOC | 1.01869 | 1.25505 | 1.73550 | 2.26776 | 0.22450 | 0.31110 | 0.94013 | 4.08688 |
| 62 VOC | 1.03760 | 1.27617 | 1.76716 | 2.26448 | 0.22430 | 0.31083 | 0.93930 | 4.16182 |
| 63 VOC | 1.05667 | 1.29746 | 1.79905 | 2.26263 | 0.22430 | 0.31083 | 0.93930 | 4.23677 |
| 64 VOC | 1.07587 | 1.31890 | 1.83116 | 2.26220 | 0.22450 | 0.31110 | 0.94013 | 4.31171 |
| 65 VOC | 1.09521 | 1.34049 | 1.86348 | 2.26322 | 0.22489 | 0.31165 | 0.94178 | 4.38666 |

# Table A-44
# Victoria 2006 CO Emission Rates
# for Time Period 3

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 74.08339 | 81.38738 | 113.80276 | 120.93455 | 4.34370 | 4.84688 | 34.39747 | 169.36147 |
| 4 CO | 58.03408 | 63.97887 | 89.28526 | 110.49268 | 4.00321 | 4.46694 | 31.70115 | 135.06932 |
| 5 CO | 48.40451 | 53.53375 | 74.57475 | 101.17476 | 3.69613 | 4.12429 | 29.26941 | 110.31872 |
| 6 CO | 41.98479 | 46.57035 | 64.76774 | 92.84665 | 3.41882 | 3.81486 | 27.07343 | 92.05479 |
| 7 CO | 37.39927 | 41.59649 | 57.76275 | 85.39174 | 3.16808 | 3.53507 | 25.08784 | 78.30249 |
| 8 CO | 33.96013 | 37.86609 | 52.50899 | 78.70836 | 2.94108 | 3.28178 | 23.29021 | 67.75388 |
| 9 CO | 31.28526 | 34.96467 | 48.42273 | 72.70785 | 2.73531 | 3.05218 | 21.66078 | 59.52335 |
| 10 CO | 29.14535 | 32.64354 | 45.15373 | 67.31273 | 2.54858 | 2.84381 | 20.18204 | 52.99877 |
| 11 CO | 27.39452 | 30.74443 | 42.47910 | 62.45519 | 2.37892 | 2.65450 | 18.83850 | 47.74881 |
| 12 CO | 25.93548 | 29.16183 | 40.25023 | 58.07582 | 2.22460 | 2.48230 | 17.61645 | 43.46417 |
| 13 CO | 24.70093 | 27.82272 | 38.36427 | 54.12247 | 2.08408 | 2.32550 | 16.50367 | 39.91936 |
| 14 CO | 23.64273 | 26.67490 | 36.74773 | 50.54932 | 1.95599 | 2.18257 | 15.48936 | 36.94757 |
| 15 CO | 22.72562 | 25.68013 | 35.34673 | 47.31604 | 1.83912 | 2.05216 | 14.56386 | 34.42372 |
| 16 CO | 21.92316 | 24.80971 | 34.12086 | 44.38712 | 1.73238 | 1.93306 | 13.71861 | 32.25294 |
| 17 CO | 21.21510 | 24.04168 | 33.03920 | 41.73122 | 1.63481 | 1.82419 | 12.94595 | 30.36254 |
| 18 CO | 20.58572 | 23.35900 | 32.07773 | 39.32063 | 1.54554 | 1.72458 | 12.23907 | 28.69637 |
| 19 CO | 20.02258 | 22.74817 | 31.21747 | 37.13089 | 1.46382 | 1.63338 | 11.59186 | 27.21087 |
| 20 CO | 19.19036 | 21.90797 | 30.07332 | 35.14033 | 1.38893 | 1.54983 | 10.99888 | 25.87202 |
| 21 CO | 18.12786 | 20.79191 | 28.56351 | 33.32972 | 1.32028 | 1.47323 | 10.45524 | 24.65329 |
| 22 CO | 17.16195 | 19.77731 | 27.19094 | 31.68202 | 1.25731 | 1.40296 | 9.95657 | 23.53402 |
| 23 CO | 16.28004 | 18.85093 | 25.93774 | 30.18211 | 1.19953 | 1.33848 | 9.49897 | 22.49811 |
| 24 CO | 15.47162 | 18.00175 | 24.78897 | 28.81653 | 1.14648 | 1.27929 | 9.07890 | 21.53315 |
| 25 CO | 14.72787 | 17.22050 | 23.73210 | 27.57334 | 1.09778 | 1.22494 | 8.69322 | 20.62967 |
| 26 CO | 14.04134 | 16.49936 | 22.75653 | 26.44188 | 1.05306 | 1.17504 | 8.33908 | 19.78042 |
| 27 CO | 13.40566 | 15.83163 | 21.85322 | 25.41270 | 1.01200 | 1.12923 | 8.01394 | 18.98004 |
| 28 CO | 12.81538 | 15.21159 | 21.01443 | 24.47738 | 0.97431 | 1.08718 | 7.71551 | 18.22454 |
| 29 CO | 12.26581 | 14.63432 | 20.23349 | 23.62840 | 0.93974 | 1.04860 | 7.44173 | 17.51104 |
| 30 CO | 11.75288 | 14.09553 | 19.50462 | 22.85910 | 0.90804 | 1.01323 | 7.19073 | 16.83742 |
| 31 CO | 11.27305 | 13.59150 | 18.82277 | 22.16356 | 0.87901 | 0.98084 | 6.96086 | 16.20221 |
| 32 CO | 10.82320 | 13.11898 | 18.18353 | 21.53650 | 0.85246 | 0.95121 | 6.75061 | 15.60430 |
| 33 CO | 10.40062 | 12.67509 | 17.58303 | 20.97328 | 0.82822 | 0.92416 | 6.55864 | 15.04284 |
| 34 CO | 10.00289 | 12.25731 | 17.01786 | 20.46977 | 0.80614 | 0.89952 | 6.38373 | 14.51719 |
| 35 CO | 9.62790 | 11.86341 | 16.48499 | 20.02235 | 0.78607 | 0.87713 | 6.22481 | 14.02666 |
| 36 CO | 9.27373 | 11.49138 | 15.98172 | 19.62785 | 0.76789 | 0.85685 | 6.08090 | 13.57059 |
| 37 CO | 8.93871 | 11.13947 | 15.50565 | 19.28349 | 0.75151 | 0.83856 | 5.95114 | 13.14826 |
| 38 CO | 8.62132 | 10.80608 | 15.05464 | 18.98690 | 0.73681 | 0.82216 | 5.83476 | 12.75879 |
| 39 CO | 8.32021 | 10.48979 | 14.62676 | 18.73605 | 0.72372 | 0.80755 | 5.73108 | 12.40120 |
| 40 CO | 8.03415 | 10.18931 | 14.22027 | 18.52923 | 0.71215 | 0.79465 | 5.63949 | 12.07429 |
| 41 CO | 7.76205 | 9.90349 | 13.83361 | 18.36505 | 0.70205 | 0.78337 | 5.55947 | 11.77662 |
| 42 CO | 7.50290 | 9.63128 | 13.46536 | 18.24241 | 0.69335 | 0.77367 | 5.49058 | 11.50662 |
| 43 CO | 7.25581 | 9.37173 | 13.11424 | 18.16051 | 0.68600 | 0.76547 | 5.43241 | 11.26235 |
| 44 CO | 7.01995 | 9.12398 | 12.77908 | 18.11879 | 0.67997 | 0.75874 | 5.38465 | 11.04165 |
| 45 CO | 6.79457 | 8.88724 | 12.45882 | 18.11698 | 0.67522 | 0.75344 | 5.34704 | 10.84196 |
| 46 CO | 6.57900 | 8.66079 | 12.15248 | 18.15506 | 0.67173 | 0.74954 | 5.31936 | 10.66041 |
| 47 CO | 6.37259 | 8.44398 | 11.85917 | 18.23330 | 0.66947 | 0.74702 | 5.30146 | 10.49365 |
| 48 CO | 6.17479 | 8.23620 | 11.57809 | 18.35220 | 0.66843 | 0.74586 | 5.29325 | 10.33789 |
| 49 CO | 6.17479 | 8.23620 | 11.57809 | 18.51256 | 0.66861 | 0.74606 | 5.29468 | 10.33789 |
| 50 CO | 6.17479 | 8.23620 | 11.57809 | 18.71545 | 0.67001 | 0.74762 | 5.30576 | 10.33789 |
| 51 CO | 6.17479 | 8.23620 | 11.57809 | 18.96223 | 0.67263 | 0.75055 | 5.32655 | 10.33789 |
| 52 CO | 6.17479 | 8.23620 | 11.57809 | 19.25459 | 0.67650 | 0.75487 | 5.35715 | 10.33789 |
| 53 CO | 6.17479 | 8.23620 | 11.57809 | 19.59451 | 0.68163 | 0.76059 | 5.39775 | 10.33789 |
| 54 CO | 6.17479 | 8.23620 | 11.57809 | 19.98435 | 0.68804 | 0.76775 | 5.44857 | 10.33789 |
| 55 CO | 6.17479 | 8.23620 | 11.57809 | 20.42684 | 0.69579 | 0.77639 | 5.50988 | 10.33789 |
| 56 CO | 6.77207 | 9.01578 | 12.73177 | 20.92510 | 0.70490 | 0.78655 | 5.58203 | 12.82756 |
| 57 CO | 7.36935 | 9.79536 | 13.88545 | 21.48273 | 0.71543 | 0.79830 | 5.66543 | 15.31723 |
| 58 CO | 7.96664 | 10.57494 | 15.03913 | 22.10380 | 0.72744 | 0.81171 | 5.76055 | 17.80689 |
| 59 CO | 8.56392 | 11.35452 | 16.19281 | 22.79291 | 0.74100 | 0.82684 | 5.86794 | 20.29656 |
| 60 CO | 9.16121 | 12.13410 | 17.34648 | 23.55527 | 0.75619 | 0.84379 | 5.98821 | 22.78623 |
| 61 CO | 9.75849 | 12.91368 | 18.50016 | 24.39674 | 0.77309 | 0.86265 | 6.12209 | 25.27589 |
| 62 CO | 10.35578 | 13.69327 | 19.65384 | 25.32392 | 0.79182 | 0.88354 | 6.27036 | 27.76556 |
| 63 CO | 10.95306 | 14.47285 | 20.80752 | 26.34424 | 0.81247 | 0.90659 | 6.43391 | 30.25523 |
| 64 CO | 11.55035 | 15.25243 | 21.96119 | 27.46601 | 0.83518 | 0.93193 | 6.61377 | 32.74489 |
| 65 CO | 12.14763 | 16.03201 | 23.11487 | 28.69863 | 0.86009 | 0.95973 | 6.81103 | 35.23456 |

# Table A-45
# Victoria 2006 NOX Emission Rates
# for Time Period 3

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 1.85779 | 2.20113 | 3.05588 | 3.64544 | 1.85479 | 2.10907 | 12.94486 | 0.81670 |
| 4 | NOX | 1.69807 | 2.01190 | 2.79316 | 3.68316 | 1.77668 | 2.02024 | 12.39966 | 0.78116 |
| 5 | NOX | 1.60224 | 1.89836 | 2.63553 | 3.72088 | 1.70427 | 1.93790 | 11.89429 | 0.75167 |
| 6 | NOX | 1.53836 | 1.82267 | 2.53045 | 3.75861 | 1.63713 | 1.86156 | 11.42574 | 0.72776 |
| 7 | NOX | 1.49272 | 1.76860 | 2.45539 | 3.79633 | 1.57487 | 1.79077 | 10.99124 | 0.70899 |
| 8 | NOX | 1.45850 | 1.72805 | 2.39909 | 3.83405 | 1.51714 | 1.72512 | 10.58829 | 0.69492 |
| 9 | NOX | 1.43188 | 1.69651 | 2.35530 | 3.87178 | 1.46359 | 1.66424 | 10.21461 | 0.68514 |
| 10 | NOX | 1.41058 | 1.67128 | 2.32027 | 3.90950 | 1.41395 | 1.60778 | 9.86811 | 0.67926 |
| 11 | NOX | 1.39316 | 1.65064 | 2.29161 | 3.94722 | 1.36792 | 1.55545 | 9.54692 | 0.67689 |
| 12 | NOX | 1.37864 | 1.63343 | 2.26773 | 3.98495 | 1.32528 | 1.50696 | 9.24931 | 0.67766 |
| 13 | NOX | 1.36635 | 1.61888 | 2.24752 | 4.02267 | 1.28579 | 1.46206 | 8.97371 | 0.68122 |
| 14 | NOX | 1.35582 | 1.60640 | 2.23020 | 4.06039 | 1.24925 | 1.42051 | 8.71869 | 0.68725 |
| 15 | NOX | 1.34670 | 1.59559 | 2.21519 | 4.09812 | 1.21547 | 1.38210 | 8.48295 | 0.69542 |
| 16 | NOX | 1.33871 | 1.58613 | 2.20205 | 4.13584 | 1.18429 | 1.34664 | 8.26532 | 0.70543 |
| 17 | NOX | 1.33167 | 1.57778 | 2.19046 | 4.17356 | 1.15555 | 1.31396 | 8.06472 | 0.71700 |
| 18 | NOX | 1.32540 | 1.57036 | 2.18016 | 4.21129 | 1.12910 | 1.28389 | 7.88017 | 0.72986 |
| 19 | NOX | 1.31980 | 1.56372 | 2.17094 | 4.24901 | 1.10483 | 1.25629 | 7.71078 | 0.74376 |
| 20 | NOX | 1.32268 | 1.55455 | 2.15858 | 4.28673 | 1.08262 | 1.23104 | 7.55575 | 0.75846 |
| 21 | NOX | 1.33117 | 1.55740 | 2.16296 | 4.32446 | 1.06236 | 1.20800 | 7.41436 | 0.77375 |
| 22 | NOX | 1.33888 | 1.55999 | 2.16695 | 4.36218 | 1.04396 | 1.18708 | 7.28596 | 0.78941 |
| 23 | NOX | 1.34592 | 1.56235 | 2.17059 | 4.39990 | 1.02734 | 1.16818 | 7.16995 | 0.80527 |
| 24 | NOX | 1.35237 | 1.56452 | 2.17392 | 4.43763 | 1.01242 | 1.15121 | 7.06582 | 0.82115 |
| 25 | NOX | 1.35831 | 1.56651 | 2.17699 | 4.47535 | 0.99913 | 1.13610 | 6.97309 | 0.83690 |
| 26 | NOX | 1.36379 | 1.56835 | 2.17982 | 4.51307 | 0.98742 | 1.12279 | 6.89136 | 0.85237 |
| 27 | NOX | 1.36887 | 1.57006 | 2.18244 | 4.55080 | 0.97724 | 1.11121 | 6.82027 | 0.86746 |
| 28 | NOX | 1.37358 | 1.57164 | 2.18488 | 4.58852 | 0.96853 | 1.10130 | 6.75950 | 0.88205 |
| 29 | NOX | 1.37797 | 1.57311 | 2.18715 | 4.62624 | 0.96126 | 1.09304 | 6.70879 | 0.89605 |
| 30 | NOX | 1.38206 | 1.57449 | 2.18926 | 4.66397 | 0.95541 | 1.08638 | 6.66793 | 0.90939 |
| 31 | NOX | 1.38589 | 1.57578 | 2.19124 | 4.70169 | 0.95094 | 1.08130 | 6.63673 | 0.92201 |
| 32 | NOX | 1.38948 | 1.57698 | 2.19310 | 4.73941 | 0.94783 | 1.07777 | 6.61506 | 0.93388 |
| 33 | NOX | 1.39286 | 1.57812 | 2.19484 | 4.77714 | 0.94608 | 1.07578 | 6.60283 | 0.94496 |
| 34 | NOX | 1.39603 | 1.57918 | 2.19648 | 4.81486 | 0.94568 | 1.07532 | 6.59999 | 0.95526 |
| 35 | NOX | 1.39903 | 1.58019 | 2.19803 | 4.85258 | 0.94661 | 1.07638 | 6.60653 | 0.96477 |
| 36 | NOX | 1.40185 | 1.58114 | 2.19949 | 4.89031 | 0.94890 | 1.07898 | 6.62247 | 0.97353 |
| 37 | NOX | 1.40453 | 1.58204 | 2.20087 | 4.92803 | 0.95254 | 1.08312 | 6.64789 | 0.98157 |
| 38 | NOX | 1.40706 | 1.58289 | 2.20218 | 4.96575 | 0.95755 | 1.08882 | 6.68288 | 0.98896 |
| 39 | NOX | 1.40947 | 1.58369 | 2.20342 | 5.00347 | 0.96396 | 1.09611 | 6.72760 | 0.99576 |
| 40 | NOX | 1.41175 | 1.58446 | 2.20460 | 5.04120 | 0.97179 | 1.10501 | 6.78225 | 1.00206 |
| 41 | NOX | 1.41392 | 1.58519 | 2.20572 | 5.07892 | 0.98108 | 1.11557 | 6.84706 | 1.00798 |
| 42 | NOX | 1.41599 | 1.58588 | 2.20679 | 5.11664 | 0.99186 | 1.12783 | 6.92231 | 1.01363 |
| 43 | NOX | 1.41796 | 1.58655 | 2.20781 | 5.15437 | 1.00418 | 1.14185 | 7.00833 | 1.01915 |
| 44 | NOX | 1.41985 | 1.58718 | 2.20879 | 5.19209 | 1.01811 | 1.15768 | 7.10550 | 1.02470 |
| 45 | NOX | 1.42165 | 1.58778 | 2.20972 | 5.22982 | 1.03369 | 1.17540 | 7.21425 | 1.03044 |
| 46 | NOX | 1.42337 | 1.58836 | 2.21061 | 5.26754 | 1.05100 | 1.19508 | 7.33508 | 1.03657 |
| 47 | NOX | 1.42502 | 1.58892 | 2.21146 | 5.30526 | 1.07012 | 1.21683 | 7.46853 | 1.04329 |
| 48 | NOX | 1.42659 | 1.58945 | 2.21227 | 5.34298 | 1.09114 | 1.24072 | 7.61522 | 1.05082 |
| 49 | NOX | 1.46876 | 1.64929 | 2.29589 | 5.38071 | 1.11415 | 1.26689 | 7.77582 | 1.08504 |
| 50 | NOX | 1.51092 | 1.70914 | 2.37951 | 5.41843 | 1.13927 | 1.29545 | 7.95109 | 1.11926 |
| 51 | NOX | 1.55308 | 1.76898 | 2.46313 | 5.45615 | 1.16660 | 1.32653 | 8.14186 | 1.15347 |
| 52 | NOX | 1.59524 | 1.82883 | 2.54674 | 5.49388 | 1.19629 | 1.36029 | 8.34906 | 1.18769 |
| 53 | NOX | 1.63741 | 1.88868 | 2.63036 | 5.53160 | 1.22848 | 1.39689 | 8.57370 | 1.22191 |
| 54 | NOX | 1.67957 | 1.94852 | 2.71398 | 5.56932 | 1.26332 | 1.43651 | 8.81689 | 1.25613 |
| 55 | NOX | 1.72173 | 2.00837 | 2.79760 | 5.60705 | 1.30100 | 1.47935 | 9.07986 | 1.29034 |
| 56 | NOX | 1.76390 | 2.06822 | 2.88121 | 5.64477 | 1.34171 | 1.52564 | 9.36397 | 1.32456 |
| 57 | NOX | 1.80606 | 2.12806 | 2.96483 | 5.68249 | 1.38566 | 1.57561 | 9.67068 | 1.35878 |
| 58 | NOX | 1.84822 | 2.18791 | 3.04845 | 5.72022 | 1.43308 | 1.62954 | 10.00164 | 1.39300 |
| 59 | NOX | 1.89038 | 2.24775 | 3.13207 | 5.75794 | 1.48423 | 1.68770 | 10.35862 | 1.42721 |
| 60 | NOX | 1.93255 | 2.30760 | 3.21568 | 5.79566 | 1.53939 | 1.75042 | 10.74358 | 1.46143 |
| 61 | NOX | 1.97471 | 2.36745 | 3.29930 | 5.83339 | 1.59887 | 1.81805 | 11.15869 | 1.49565 |
| 62 | NOX | 2.01687 | 2.42729 | 3.38292 | 5.87111 | 1.66300 | 1.89098 | 11.60631 | 1.52986 |
| 63 | NOX | 2.05903 | 2.48714 | 3.46654 | 5.90883 | 1.73217 | 1.96963 | 12.08904 | 1.56408 |
| 64 | NOX | 2.10120 | 2.54699 | 3.55015 | 5.94656 | 1.80678 | 2.05446 | 12.60973 | 1.59830 |
| 65 | NOX | 2.14336 | 2.60683 | 3.63377 | 5.98428 | 1.88727 | 2.14600 | 13.17155 | 1.63252 |

# Table A-46
# Victoria 2006 VOC Emission Rates
# for Time Period 4

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 9.07822 | 10.82780 | 15.17834 | 15.67521 | 1.06484 | 1.47562 | 4.45924 | 10.13553 |
| 4 | VOC | 6.38819 | 7.66495 | 10.73950 | 12.01373 | 1.01096 | 1.40096 | 4.23362 | 8.60033 |
| 5 | VOC | 4.97194 | 5.98135 | 8.37510 | 10.00921 | 0.96066 | 1.33125 | 4.02296 | 7.46328 |
| 6 | VOC | 4.11017 | 4.94818 | 6.92337 | 8.69597 | 0.91366 | 1.26612 | 3.82614 | 6.60505 |
| 7 | VOC | 3.53498 | 4.25390 | 5.94743 | 7.73706 | 0.86973 | 1.20524 | 3.64216 | 5.94605 |
| 8 | VOC | 3.19427 | 3.83200 | 5.35028 | 7.11607 | 0.82864 | 1.14829 | 3.47008 | 5.43208 |
| 9 | VOC | 2.93500 | 3.50888 | 4.89343 | 6.59034 | 0.79018 | 1.09500 | 3.30904 | 5.02545 |
| 10 | VOC | 2.72580 | 3.24726 | 4.52447 | 6.12665 | 0.75417 | 1.04510 | 3.15825 | 4.69947 |
| 11 | VOC | 2.55302 | 3.03039 | 4.21943 | 5.71448 | 0.72044 | 0.99836 | 3.01698 | 4.43488 |
| 12 | VOC | 2.40755 | 2.84706 | 3.96233 | 5.34594 | 0.68882 | 0.95454 | 2.88458 | 4.21757 |
| 13 | VOC | 2.28309 | 2.68955 | 3.74211 | 5.01484 | 0.65917 | 0.91345 | 2.76041 | 4.03705 |
| 14 | VOC | 2.17514 | 2.55231 | 3.55087 | 4.71622 | 0.63135 | 0.87490 | 2.64391 | 3.88538 |
| 15 | VOC | 2.08040 | 2.43130 | 3.38280 | 4.44598 | 0.60524 | 0.83872 | 2.53455 | 3.75649 |
| 16 | VOC | 1.99638 | 2.32347 | 3.23357 | 4.20071 | 0.58072 | 0.80473 | 2.43186 | 3.64571 |
| 17 | VOC | 1.92120 | 2.22649 | 3.09985 | 3.97751 | 0.55768 | 0.77281 | 2.33539 | 3.54938 |
| 18 | VOC | 1.85339 | 2.13856 | 2.97905 | 3.77391 | 0.53602 | 0.74280 | 2.24471 | 3.46462 |
| 19 | VOC | 1.79177 | 2.05825 | 2.86914 | 3.58776 | 0.51567 | 0.71459 | 2.15946 | 3.38916 |
| 20 | VOC | 1.71948 | 1.97484 | 2.75430 | 3.42059 | 0.49652 | 0.68806 | 2.07927 | 3.32119 |
| 21 | VOC | 1.64815 | 1.89899 | 2.64700 | 3.27247 | 0.47850 | 0.66309 | 2.00382 | 3.25928 |
| 22 | VOC | 1.58317 | 1.82996 | 2.54935 | 3.13691 | 0.46155 | 0.63959 | 1.93282 | 3.20232 |
| 23 | VOC | 1.52371 | 1.76685 | 2.46012 | 3.01267 | 0.44558 | 0.61747 | 1.86596 | 3.14941 |
| 24 | VOC | 1.46909 | 1.70893 | 2.37824 | 2.89865 | 0.43055 | 0.59664 | 1.80301 | 3.09987 |
| 25 | VOC | 1.41872 | 1.65558 | 2.30283 | 2.79387 | 0.41639 | 0.57702 | 1.74371 | 3.05316 |
| 26 | VOC | 1.37210 | 1.60626 | 2.23314 | 2.69747 | 0.40305 | 0.55853 | 1.68785 | 3.00891 |
| 27 | VOC | 1.32883 | 1.56052 | 2.16855 | 2.60866 | 0.39048 | 0.54111 | 1.63522 | 2.96682 |
| 28 | VOC | 1.28855 | 1.51800 | 2.10850 | 2.52676 | 0.37864 | 0.52470 | 1.58562 | 2.92670 |
| 29 | VOC | 1.25094 | 1.47834 | 2.05252 | 2.45117 | 0.36748 | 0.50924 | 1.53888 | 2.88842 |
| 30 | VOC | 1.21574 | 1.44127 | 2.00021 | 2.38131 | 0.35696 | 0.49466 | 1.49484 | 2.85191 |
| 31 | VOC | 1.18272 | 1.40654 | 1.95121 | 2.31671 | 0.34705 | 0.48093 | 1.45333 | 2.81715 |
| 32 | VOC | 1.15167 | 1.37392 | 1.90521 | 2.25692 | 0.33771 | 0.46798 | 1.41422 | 2.78412 |
| 33 | VOC | 1.12241 | 1.34322 | 1.86195 | 2.20153 | 0.32891 | 0.45579 | 1.37737 | 2.75286 |
| 34 | VOC | 1.09478 | 1.31428 | 1.82116 | 2.15020 | 0.32062 | 0.44431 | 1.34267 | 2.72339 |
| 35 | VOC | 1.06865 | 1.28695 | 1.78266 | 2.10260 | 0.31282 | 0.43349 | 1.30999 | 2.69576 |
| 36 | VOC | 1.04389 | 1.26108 | 1.74624 | 2.05844 | 0.30547 | 0.42331 | 1.27923 | 2.67000 |
| 37 | VOC | 1.02038 | 1.23656 | 1.71173 | 2.01745 | 0.29856 | 0.41374 | 1.25029 | 2.64614 |
| 38 | VOC | 0.99804 | 1.21329 | 1.67899 | 1.97941 | 0.29207 | 0.40473 | 1.22309 | 2.62422 |
| 39 | VOC | 0.97677 | 1.19117 | 1.64788 | 1.94408 | 0.28596 | 0.39628 | 1.19753 | 2.60423 |
| 40 | VOC | 0.95648 | 1.17011 | 1.61827 | 1.91129 | 0.28023 | 0.38834 | 1.17353 | 2.58618 |
| 41 | VOC | 0.93711 | 1.15003 | 1.59006 | 1.88086 | 0.27486 | 0.38089 | 1.15103 | 2.57003 |
| 42 | VOC | 0.91860 | 1.13087 | 1.56315 | 1.85263 | 0.26983 | 0.37392 | 1.12995 | 2.55575 |
| 43 | VOC | 0.90088 | 1.11256 | 1.53744 | 1.82645 | 0.26512 | 0.36739 | 1.11024 | 2.54325 |
| 44 | VOC | 0.88389 | 1.09504 | 1.51286 | 1.80221 | 0.26072 | 0.36130 | 1.09183 | 2.53242 |
| 45 | VOC | 0.86760 | 1.07826 | 1.48933 | 1.77977 | 0.25663 | 0.35562 | 1.07467 | 2.52314 |
| 46 | VOC | 0.85195 | 1.06217 | 1.46677 | 1.75905 | 0.25282 | 0.35034 | 1.05872 | 2.51521 |
| 47 | VOC | 0.83690 | 1.04673 | 1.44514 | 1.73994 | 0.24928 | 0.34544 | 1.04391 | 2.50842 |
| 48 | VOC | 0.82237 | 1.03178 | 1.42418 | 1.72216 | 0.24601 | 0.34091 | 1.03023 | 2.50249 |
| 49 | VOC | 0.81875 | 1.02787 | 1.41874 | 1.70413 | 0.24300 | 0.33674 | 1.01761 | 2.50249 |
| 50 | VOC | 0.81534 | 1.02418 | 1.41363 | 1.68778 | 0.24024 | 0.33291 | 1.00604 | 2.50249 |
| 51 | VOC | 0.81212 | 1.02071 | 1.40881 | 1.67301 | 0.23771 | 0.32941 | 0.99547 | 2.50249 |
| 52 | VOC | 0.80909 | 1.01743 | 1.40427 | 1.65976 | 0.23542 | 0.32624 | 0.98588 | 2.50249 |
| 53 | VOC | 0.80622 | 1.01434 | 1.39998 | 1.64796 | 0.23336 | 0.32338 | 0.97724 | 2.50249 |
| 54 | VOC | 0.80351 | 1.01141 | 1.39592 | 1.63755 | 0.23152 | 0.32083 | 0.96953 | 2.50249 |
| 55 | VOC | 0.80095 | 1.00864 | 1.39208 | 1.62849 | 0.22989 | 0.31858 | 0.96273 | 2.50249 |
| 56 | VOC | 0.82049 | 1.03044 | 1.42472 | 1.62073 | 0.22848 | 0.31662 | 0.95682 | 2.57815 |
| 57 | VOC | 0.84015 | 1.05236 | 1.45756 | 1.61425 | 0.22728 | 0.31496 | 0.95178 | 2.65381 |
| 58 | VOC | 0.85993 | 1.07442 | 1.49057 | 1.60901 | 0.22628 | 0.31357 | 0.94760 | 2.72947 |
| 59 | VOC | 0.87982 | 1.09659 | 1.52374 | 1.60500 | 0.22549 | 0.31247 | 0.94427 | 2.80513 |
| 60 | VOC | 0.89981 | 1.11887 | 1.55706 | 1.60221 | 0.22489 | 0.31165 | 0.94178 | 2.88080 |
| 61 | VOC | 0.91990 | 1.14126 | 1.59053 | 1.60062 | 0.22450 | 0.31110 | 0.94013 | 2.95646 |
| 62 | VOC | 0.94008 | 1.16374 | 1.62413 | 1.60023 | 0.22430 | 0.31083 | 0.93930 | 3.03212 |
| 63 | VOC | 0.96034 | 1.18631 | 1.65786 | 1.60105 | 0.22430 | 0.31083 | 0.93930 | 3.10778 |
| 64 | VOC | 0.98067 | 1.20896 | 1.69171 | 1.60309 | 0.22450 | 0.31110 | 0.94013 | 3.18344 |
| 65 | VOC | 1.00108 | 1.23170 | 1.72566 | 1.60636 | 0.22489 | 0.31165 | 0.94178 | 3.25910 |

# Table A-47
# Victoria 2006 CO Emission Rates
# for Time Period 4

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 72.80353 | 79.68512 | 111.22787 | 101.96010 | 4.34370 | 4.84688 | 34.39747 | 140.47540 |
| 4 CO | 57.03349 | 62.65482 | 87.29214 | 93.15655 | 4.00321 | 4.46694 | 31.70115 | 112.03207 |
| 5 CO | 47.57146 | 52.43663 | 72.93069 | 85.30060 | 3.69613 | 4.12429 | 29.26941 | 91.50290 |
| 6 CO | 41.26344 | 45.62451 | 63.35639 | 78.27917 | 3.41882 | 3.81486 | 27.07343 | 76.35404 |
| 7 CO | 36.75771 | 40.75871 | 56.51761 | 71.99392 | 3.16808 | 3.53507 | 25.08784 | 64.94732 |
| 8 CO | 33.37841 | 37.10936 | 51.38853 | 66.35915 | 2.94108 | 3.28178 | 23.29021 | 56.19786 |
| 9 CO | 30.75008 | 34.27097 | 47.39923 | 61.30010 | 2.73531 | 3.05218 | 21.66078 | 49.37113 |
| 10 CO | 28.64741 | 32.00027 | 44.20780 | 56.75148 | 2.54858 | 2.84381 | 20.18204 | 43.95937 |
| 11 CO | 26.92703 | 30.14242 | 41.59663 | 52.65607 | 2.37892 | 2.65450 | 18.83850 | 39.60484 |
| 12 CO | 25.49339 | 28.59420 | 39.42066 | 48.96383 | 2.22460 | 2.48230 | 17.61645 | 36.05098 |
| 13 CO | 24.28032 | 27.28419 | 37.57945 | 45.63074 | 2.08408 | 2.32550 | 16.50367 | 33.11077 |
| 14 CO | 23.24053 | 26.16130 | 36.00127 | 42.61821 | 1.95599 | 2.18257 | 15.48936 | 30.64584 |
| 15 CO | 22.33938 | 25.18815 | 34.63351 | 39.89223 | 1.83912 | 2.05216 | 14.56386 | 28.55246 |
| 16 CO | 21.55088 | 24.33663 | 33.43672 | 37.42286 | 1.73238 | 1.93306 | 13.71861 | 26.75192 |
| 17 CO | 20.85514 | 23.58529 | 32.38074 | 35.18366 | 1.63481 | 1.82419 | 12.94595 | 25.18394 |
| 18 CO | 20.23671 | 22.91744 | 31.44208 | 33.15129 | 1.54554 | 1.72458 | 12.23907 | 23.80196 |
| 19 CO | 19.68338 | 22.31988 | 30.60223 | 31.30512 | 1.46382 | 1.63338 | 11.59186 | 22.56982 |
| 20 CO | 18.86517 | 21.49522 | 29.48008 | 29.62686 | 1.38893 | 1.54983 | 10.99888 | 21.45932 |
| 21 CO | 17.82044 | 20.39862 | 27.99701 | 28.10034 | 1.32028 | 1.47323 | 10.45524 | 20.44845 |
| 22 CO | 16.87068 | 19.40172 | 26.64876 | 26.71116 | 1.25731 | 1.40296 | 9.95657 | 19.52009 |
| 23 CO | 16.00351 | 18.49150 | 25.41775 | 25.44659 | 1.19953 | 1.33848 | 9.49897 | 18.66086 |
| 24 CO | 15.20861 | 17.65713 | 24.28932 | 24.29527 | 1.14648 | 1.27929 | 9.07890 | 17.86049 |
| 25 CO | 14.47729 | 16.88951 | 23.25117 | 23.24713 | 1.09778 | 1.22494 | 8.69322 | 17.11110 |
| 26 CO | 13.80224 | 16.18094 | 22.29287 | 22.29320 | 1.05306 | 1.17504 | 8.33908 | 16.40670 |
| 27 CO | 13.17718 | 15.52486 | 21.40556 | 21.42550 | 1.01200 | 1.12923 | 8.01394 | 15.74283 |
| 28 CO | 12.59678 | 14.91564 | 20.58163 | 20.63692 | 0.97431 | 1.08718 | 7.71551 | 15.11619 |
| 29 CO | 12.05640 | 14.34843 | 19.81453 | 19.92114 | 0.93974 | 1.04860 | 7.44173 | 14.52438 |
| 30 CO | 11.55204 | 13.81904 | 19.09856 | 19.27255 | 0.90804 | 1.01323 | 7.19073 | 13.96566 |
| 31 CO | 11.08023 | 13.32380 | 18.42878 | 18.68613 | 0.87901 | 0.98084 | 6.96086 | 13.43878 |
| 32 CO | 10.63790 | 12.85951 | 17.80087 | 18.15746 | 0.85246 | 0.95121 | 6.75061 | 12.94285 |
| 33 CO | 10.22238 | 12.42337 | 17.21101 | 17.68261 | 0.82822 | 0.92416 | 6.55864 | 12.47716 |
| 34 CO | 9.83131 | 12.01288 | 16.65585 | 17.25810 | 0.80614 | 0.89952 | 6.38373 | 12.04116 |
| 35 CO | 9.46258 | 11.62584 | 16.13241 | 16.88088 | 0.78607 | 0.87713 | 6.22481 | 11.63429 |
| 36 CO | 9.11433 | 11.26031 | 15.63805 | 16.54827 | 0.76789 | 0.85685 | 6.08090 | 11.25600 |
| 37 CO | 8.78491 | 10.91454 | 15.17041 | 16.25794 | 0.75151 | 0.83856 | 5.95114 | 10.90571 |
| 38 CO | 8.47283 | 10.58696 | 14.72739 | 16.00789 | 0.73681 | 0.82216 | 5.83476 | 10.58267 |
| 39 CO | 8.17675 | 10.27618 | 14.30709 | 15.79639 | 0.72372 | 0.80755 | 5.73108 | 10.28607 |
| 40 CO | 7.89548 | 9.98095 | 13.90780 | 15.62202 | 0.71215 | 0.79465 | 5.63949 | 10.01491 |
| 41 CO | 7.62793 | 9.70011 | 13.52799 | 15.48360 | 0.70205 | 0.78337 | 5.55947 | 9.76801 |
| 42 CO | 7.37311 | 9.43265 | 13.16626 | 15.38021 | 0.69335 | 0.77367 | 5.49058 | 9.54406 |
| 43 CO | 7.13015 | 9.17762 | 12.82136 | 15.31116 | 0.68600 | 0.76547 | 5.43241 | 9.34146 |
| 44 CO | 6.89824 | 8.93419 | 12.49213 | 15.27598 | 0.67997 | 0.75874 | 5.38465 | 9.15840 |
| 45 CO | 6.67663 | 8.70158 | 12.17754 | 15.27445 | 0.67522 | 0.75344 | 5.34704 | 8.99277 |
| 46 CO | 6.46465 | 8.47908 | 11.87663 | 15.30656 | 0.67173 | 0.74954 | 5.31936 | 8.84219 |
| 47 CO | 6.26170 | 8.26605 | 11.58852 | 15.37252 | 0.66947 | 0.74702 | 5.30146 | 8.70386 |
| 48 CO | 6.06720 | 8.06190 | 11.31242 | 15.47277 | 0.66843 | 0.74586 | 5.29325 | 8.57468 |
| 49 CO | 6.06720 | 8.06190 | 11.31242 | 15.60797 | 0.66861 | 0.74606 | 5.29468 | 8.57468 |
| 50 CO | 6.06720 | 8.06190 | 11.31242 | 15.77903 | 0.67001 | 0.74762 | 5.30576 | 8.57468 |
| 51 CO | 6.06720 | 8.06190 | 11.31242 | 15.98709 | 0.67263 | 0.75055 | 5.32655 | 8.57468 |
| 52 CO | 6.06720 | 8.06190 | 11.31242 | 16.23358 | 0.67650 | 0.75487 | 5.35715 | 8.57468 |
| 53 CO | 6.06720 | 8.06190 | 11.31242 | 16.52016 | 0.68163 | 0.76059 | 5.39775 | 8.57468 |
| 54 CO | 6.06720 | 8.06190 | 11.31242 | 16.84884 | 0.68804 | 0.76775 | 5.44857 | 8.57468 |
| 55 CO | 6.06720 | 8.06190 | 11.31242 | 17.22190 | 0.69579 | 0.77639 | 5.50988 | 8.57468 |
| 56 CO | 6.65341 | 8.82009 | 12.43024 | 17.64199 | 0.70490 | 0.78655 | 5.58203 | 10.63971 |
| 57 CO | 7.23963 | 9.57828 | 13.54805 | 18.11213 | 0.71543 | 0.79830 | 5.66543 | 12.70474 |
| 58 CO | 7.82584 | 10.33647 | 14.66587 | 18.63575 | 0.72744 | 0.81171 | 5.76055 | 14.76977 |
| 59 CO | 8.41206 | 11.09466 | 15.78369 | 19.21674 | 0.74100 | 0.82684 | 5.86794 | 16.83480 |
| 60 CO | 8.99827 | 11.85285 | 16.90151 | 19.85948 | 0.75619 | 0.84379 | 5.98821 | 18.89984 |
| 61 CO | 9.58448 | 12.61105 | 18.01933 | 20.56893 | 0.77309 | 0.86265 | 6.12209 | 20.96487 |
| 62 CO | 10.17070 | 13.36924 | 19.13715 | 21.35064 | 0.79182 | 0.88354 | 6.27036 | 23.02990 |
| 63 CO | 10.75691 | 14.12743 | 20.25497 | 22.21087 | 0.81247 | 0.90659 | 6.43391 | 25.09493 |
| 64 CO | 11.34313 | 14.88562 | 21.37279 | 23.15664 | 0.83518 | 0.93193 | 6.61377 | 27.15997 |
| 65 CO | 11.92934 | 15.64381 | 22.49061 | 24.19587 | 0.86009 | 0.95973 | 6.81103 | 29.22500 |

# Table A-48
# Victoria 2006 NOX Emission Rates
# for Time Period 4

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 1.83233 | 2.17120 | 3.01374 | 3.62863 | 1.85479 | 2.10907 | 12.94486 | 0.89063 |
| 4 | NOX | 1.67480 | 1.98454 | 2.75465 | 3.66618 | 1.77668 | 2.02024 | 12.39966 | 0.85187 |
| 5 | NOX | 1.58029 | 1.87254 | 2.59919 | 3.70373 | 1.70427 | 1.93790 | 11.89429 | 0.81971 |
| 6 | NOX | 1.51728 | 1.79788 | 2.49556 | 3.74128 | 1.63713 | 1.86156 | 11.42574 | 0.79364 |
| 7 | NOX | 1.47227 | 1.74455 | 2.42153 | 3.77883 | 1.57487 | 1.79077 | 10.99124 | 0.77317 |
| 8 | NOX | 1.43851 | 1.70455 | 2.36601 | 3.81638 | 1.51714 | 1.72512 | 10.58829 | 0.75783 |
| 9 | NOX | 1.41226 | 1.67344 | 2.32283 | 3.85393 | 1.46359 | 1.66424 | 10.21461 | 0.74717 |
| 10 | NOX | 1.39125 | 1.64855 | 2.28828 | 3.89148 | 1.41395 | 1.60778 | 9.86811 | 0.74075 |
| 11 | NOX | 1.37407 | 1.62819 | 2.26002 | 3.92903 | 1.36792 | 1.55545 | 9.54692 | 0.73817 |
| 12 | NOX | 1.35975 | 1.61122 | 2.23646 | 3.96658 | 1.32528 | 1.50696 | 9.24931 | 0.73901 |
| 13 | NOX | 1.34763 | 1.59686 | 2.21653 | 4.00412 | 1.28579 | 1.46206 | 8.97371 | 0.74289 |
| 14 | NOX | 1.33724 | 1.58456 | 2.19945 | 4.04167 | 1.24925 | 1.42051 | 8.71869 | 0.74946 |
| 15 | NOX | 1.32824 | 1.57389 | 2.18464 | 4.07922 | 1.21547 | 1.38210 | 8.48295 | 0.75837 |
| 16 | NOX | 1.32037 | 1.56456 | 2.17169 | 4.11677 | 1.18429 | 1.34664 | 8.26532 | 0.76929 |
| 17 | NOX | 1.31342 | 1.55632 | 2.16026 | 4.15432 | 1.15555 | 1.31396 | 8.06472 | 0.78191 |
| 18 | NOX | 1.30724 | 1.54900 | 2.15010 | 4.19187 | 1.12910 | 1.28389 | 7.88017 | 0.79594 |
| 19 | NOX | 1.30171 | 1.54245 | 2.14101 | 4.22942 | 1.10483 | 1.25629 | 7.71078 | 0.81109 |
| 20 | NOX | 1.30456 | 1.53341 | 2.12882 | 4.26697 | 1.08262 | 1.23104 | 7.55575 | 0.82713 |
| 21 | NOX | 1.31292 | 1.53623 | 2.13316 | 4.30452 | 1.06236 | 1.20800 | 7.41436 | 0.84380 |
| 22 | NOX | 1.32053 | 1.53879 | 2.13710 | 4.34207 | 1.04396 | 1.18708 | 7.28596 | 0.86088 |
| 23 | NOX | 1.32748 | 1.54112 | 2.14069 | 4.37962 | 1.02734 | 1.16818 | 7.16995 | 0.87817 |
| 24 | NOX | 1.33384 | 1.54327 | 2.14399 | 4.41717 | 1.01242 | 1.15121 | 7.06582 | 0.89549 |
| 25 | NOX | 1.33970 | 1.54524 | 2.14702 | 4.45472 | 0.99913 | 1.13610 | 6.97309 | 0.91266 |
| 26 | NOX | 1.34510 | 1.54706 | 2.14982 | 4.49227 | 0.98742 | 1.12279 | 6.89136 | 0.92954 |
| 27 | NOX | 1.35011 | 1.54874 | 2.15242 | 4.52981 | 0.97724 | 1.11121 | 6.82027 | 0.94599 |
| 28 | NOX | 1.35476 | 1.55031 | 2.15482 | 4.56736 | 0.96853 | 1.10130 | 6.75950 | 0.96190 |
| 29 | NOX | 1.35908 | 1.55176 | 2.15707 | 4.60491 | 0.96126 | 1.09304 | 6.70879 | 0.97717 |
| 30 | NOX | 1.36312 | 1.55312 | 2.15916 | 4.64246 | 0.95541 | 1.08638 | 6.66793 | 0.99171 |
| 31 | NOX | 1.36690 | 1.55439 | 2.16112 | 4.68001 | 0.95094 | 1.08130 | 6.63673 | 1.00548 |
| 32 | NOX | 1.37044 | 1.55559 | 2.16295 | 4.71756 | 0.94783 | 1.07777 | 6.61506 | 1.01842 |
| 33 | NOX | 1.37377 | 1.55670 | 2.16467 | 4.75511 | 0.94608 | 1.07578 | 6.60283 | 1.03051 |
| 34 | NOX | 1.37690 | 1.55776 | 2.16630 | 4.79266 | 0.94568 | 1.07532 | 6.59999 | 1.04174 |
| 35 | NOX | 1.37986 | 1.55875 | 2.16783 | 4.83021 | 0.94661 | 1.07638 | 6.60653 | 1.05211 |
| 36 | NOX | 1.38265 | 1.55969 | 2.16927 | 4.86776 | 0.94890 | 1.07898 | 6.62247 | 1.06166 |
| 37 | NOX | 1.38528 | 1.56058 | 2.17064 | 4.90531 | 0.95254 | 1.08312 | 6.64789 | 1.07043 |
| 38 | NOX | 1.38778 | 1.56142 | 2.17193 | 4.94286 | 0.95755 | 1.08882 | 6.68288 | 1.07849 |
| 39 | NOX | 1.39015 | 1.56222 | 2.17316 | 4.98041 | 0.96396 | 1.09611 | 6.72760 | 1.08590 |
| 40 | NOX | 1.39241 | 1.56298 | 2.17433 | 5.01796 | 0.97179 | 1.10501 | 6.78225 | 1.09278 |
| 41 | NOX | 1.39455 | 1.56370 | 2.17544 | 5.05551 | 0.98108 | 1.11557 | 6.84706 | 1.09923 |
| 42 | NOX | 1.39659 | 1.56438 | 2.17649 | 5.09306 | 0.99186 | 1.12783 | 6.92231 | 1.10539 |
| 43 | NOX | 1.39854 | 1.56504 | 2.17750 | 5.13060 | 1.00418 | 1.14185 | 7.00833 | 1.11141 |
| 44 | NOX | 1.40039 | 1.56566 | 2.17846 | 5.16815 | 1.01811 | 1.15768 | 7.10550 | 1.11746 |
| 45 | NOX | 1.40217 | 1.56626 | 2.17938 | 5.20570 | 1.03369 | 1.17540 | 7.21425 | 1.12373 |
| 46 | NOX | 1.40387 | 1.56683 | 2.18026 | 5.24325 | 1.05100 | 1.19508 | 7.33508 | 1.13041 |
| 47 | NOX | 1.40549 | 1.56738 | 2.18110 | 5.28080 | 1.07012 | 1.21683 | 7.46853 | 1.13774 |
| 48 | NOX | 1.40705 | 1.56790 | 2.18191 | 5.31835 | 1.09114 | 1.24072 | 7.61522 | 1.14595 |
| 49 | NOX | 1.44863 | 1.62694 | 2.26438 | 5.35590 | 1.11415 | 1.26689 | 7.77582 | 1.18327 |
| 50 | NOX | 1.49022 | 1.68598 | 2.34686 | 5.39345 | 1.13927 | 1.29545 | 7.95109 | 1.22058 |
| 51 | NOX | 1.53180 | 1.74502 | 2.42934 | 5.43100 | 1.16660 | 1.32653 | 8.14186 | 1.25790 |
| 52 | NOX | 1.57339 | 1.80406 | 2.51181 | 5.46855 | 1.19629 | 1.36029 | 8.34906 | 1.29521 |
| 53 | NOX | 1.61497 | 1.86309 | 2.59429 | 5.50610 | 1.22848 | 1.39689 | 8.57370 | 1.33253 |
| 54 | NOX | 1.65656 | 1.92213 | 2.67676 | 5.54365 | 1.26332 | 1.43651 | 8.81689 | 1.36984 |
| 55 | NOX | 1.69814 | 1.98117 | 2.75924 | 5.58120 | 1.30100 | 1.47935 | 9.07986 | 1.40716 |
| 56 | NOX | 1.73973 | 2.04021 | 2.84171 | 5.61875 | 1.34171 | 1.52564 | 9.36397 | 1.44447 |
| 57 | NOX | 1.78131 | 2.09925 | 2.92419 | 5.65630 | 1.38566 | 1.57561 | 9.67068 | 1.48179 |
| 58 | NOX | 1.82290 | 2.15828 | 3.00666 | 5.69384 | 1.43308 | 1.62954 | 10.00164 | 1.51910 |
| 59 | NOX | 1.86449 | 2.21732 | 3.08914 | 5.73139 | 1.48423 | 1.68770 | 10.35862 | 1.55642 |
| 60 | NOX | 1.90607 | 2.27636 | 3.17161 | 5.76894 | 1.53939 | 1.75042 | 10.74358 | 1.59373 |
| 61 | NOX | 1.94766 | 2.33540 | 3.25409 | 5.80649 | 1.59887 | 1.81805 | 11.15869 | 1.63105 |
| 62 | NOX | 1.98924 | 2.39444 | 3.33657 | 5.84404 | 1.66300 | 1.89098 | 11.60631 | 1.66836 |
| 63 | NOX | 2.03083 | 2.45347 | 3.41904 | 5.88159 | 1.73217 | 1.96963 | 12.08904 | 1.70568 |
| 64 | NOX | 2.07241 | 2.51251 | 3.50152 | 5.91914 | 1.80678 | 2.05446 | 12.60973 | 1.74299 |
| 65 | NOX | 2.11400 | 2.57155 | 3.58399 | 5.95669 | 1.88727 | 2.14600 | 13.17155 | 1.78031 |

# Table A-49
# Victoria 2015 VOC Emission Rates
# for Time Period 1

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 8.51097 | 10.16765 | 14.19013 | 13.20793 | 1.09706 | 1.49251 | 4.43163 | 10.11850 |
| 4 | VOC | 5.99896 | 7.20936 | 10.07170 | 10.12701 | 1.04156 | 1.41700 | 4.20741 | 8.58296 |
| 5 | VOC | 4.67655 | 5.63424 | 7.87541 | 8.43582 | 0.98973 | 1.34649 | 3.99805 | 7.44567 |
| 6 | VOC | 3.87193 | 4.66743 | 6.52571 | 7.32428 | 0.94131 | 1.28062 | 3.80246 | 6.58725 |
| 7 | VOC | 3.33492 | 4.01764 | 5.61772 | 6.51008 | 0.89605 | 1.21904 | 3.61962 | 5.92811 |
| 8 | VOC | 3.01374 | 3.61897 | 5.05561 | 5.97733 | 0.85371 | 1.16144 | 3.44860 | 5.41403 |
| 9 | VOC | 2.76957 | 3.31426 | 4.62637 | 5.52574 | 0.81409 | 1.10754 | 3.28855 | 5.00731 |
| 10 | VOC | 2.57314 | 3.06856 | 4.28116 | 5.12755 | 0.77699 | 1.05707 | 3.13870 | 4.68126 |
| 11 | VOC | 2.41143 | 2.86579 | 3.99707 | 4.77380 | 0.74224 | 1.00979 | 2.99831 | 4.41661 |
| 12 | VOC | 2.27576 | 2.69520 | 3.75882 | 4.45771 | 0.70966 | 0.96547 | 2.86672 | 4.19926 |
| 13 | VOC | 2.16012 | 2.54938 | 3.55583 | 4.17397 | 0.67912 | 0.92391 | 2.74332 | 4.01869 |
| 14 | VOC | 2.06022 | 2.42301 | 3.38054 | 3.91830 | 0.65046 | 0.88492 | 2.62754 | 3.86699 |
| 15 | VOC | 1.97291 | 2.31220 | 3.22741 | 3.68719 | 0.62355 | 0.84832 | 2.51886 | 3.73808 |
| 16 | VOC | 1.89584 | 2.21405 | 3.09230 | 3.47769 | 0.59829 | 0.81395 | 2.41681 | 3.62727 |
| 17 | VOC | 1.82718 | 2.12631 | 2.97201 | 3.28729 | 0.57455 | 0.78166 | 2.32093 | 3.53092 |
| 18 | VOC | 1.76555 | 2.04724 | 2.86408 | 3.11387 | 0.55225 | 0.75131 | 2.23082 | 3.44614 |
| 19 | VOC | 1.70983 | 1.97549 | 2.76656 | 2.95558 | 0.53127 | 0.72277 | 2.14609 | 3.37066 |
| 20 | VOC | 1.64095 | 1.89522 | 2.65494 | 2.81269 | 0.51154 | 0.69594 | 2.06640 | 3.30268 |
| 21 | VOC | 1.57100 | 1.82057 | 2.54862 | 2.68477 | 0.49298 | 0.67068 | 1.99142 | 3.24076 |
| 22 | VOC | 1.50733 | 1.75267 | 2.45192 | 2.56774 | 0.47551 | 0.64692 | 1.92085 | 3.18378 |
| 23 | VOC | 1.44912 | 1.69062 | 2.36359 | 2.46052 | 0.45907 | 0.62454 | 1.85441 | 3.13086 |
| 24 | VOC | 1.39568 | 1.63369 | 2.28258 | 2.36216 | 0.44358 | 0.60347 | 1.79185 | 3.08131 |
| 25 | VOC | 1.34645 | 1.58128 | 2.20800 | 2.27182 | 0.42899 | 0.58362 | 1.73292 | 3.03459 |
| 26 | VOC | 1.30093 | 1.53285 | 2.13913 | 2.18874 | 0.41525 | 0.56493 | 1.67740 | 2.99033 |
| 27 | VOC | 1.25872 | 1.48798 | 2.07532 | 2.11225 | 0.40230 | 0.54731 | 1.62510 | 2.94823 |
| 28 | VOC | 1.21945 | 1.44627 | 2.01603 | 2.04176 | 0.39010 | 0.53071 | 1.57581 | 2.90810 |
| 29 | VOC | 1.18284 | 1.40740 | 1.96079 | 1.97673 | 0.37860 | 0.51507 | 1.52936 | 2.86981 |
| 30 | VOC | 1.14860 | 1.37108 | 1.90920 | 1.91668 | 0.36776 | 0.50032 | 1.48558 | 2.83330 |
| 31 | VOC | 1.11651 | 1.33707 | 1.86091 | 1.86119 | 0.35755 | 0.48643 | 1.44433 | 2.79852 |
| 32 | VOC | 1.08637 | 1.30516 | 1.81560 | 1.80987 | 0.34793 | 0.47334 | 1.40546 | 2.76549 |
| 33 | VOC | 1.05801 | 1.27514 | 1.77301 | 1.76238 | 0.33886 | 0.46101 | 1.36885 | 2.73422 |
| 34 | VOC | 1.03126 | 1.24686 | 1.73290 | 1.71841 | 0.33032 | 0.44939 | 1.33435 | 2.70475 |
| 35 | VOC | 1.00598 | 1.22017 | 1.69504 | 1.67767 | 0.32228 | 0.43845 | 1.30188 | 2.67711 |
| 36 | VOC | 0.98206 | 1.19493 | 1.65927 | 1.63991 | 0.31472 | 0.42816 | 1.27131 | 2.65134 |
| 37 | VOC | 0.95939 | 1.17102 | 1.62540 | 1.60491 | 0.30760 | 0.41847 | 1.24255 | 2.62748 |
| 38 | VOC | 0.93786 | 1.14834 | 1.59328 | 1.57246 | 0.30090 | 0.40937 | 1.21552 | 2.60555 |
| 39 | VOC | 0.91738 | 1.12680 | 1.56278 | 1.54237 | 0.29462 | 0.40081 | 1.19011 | 2.58556 |
| 40 | VOC | 0.89789 | 1.10631 | 1.53379 | 1.51448 | 0.28871 | 0.39278 | 1.16627 | 2.56751 |
| 41 | VOC | 0.87930 | 1.08679 | 1.50618 | 1.48864 | 0.28318 | 0.38525 | 1.14391 | 2.55136 |
| 42 | VOC | 0.86156 | 1.06817 | 1.47987 | 1.46471 | 0.27799 | 0.37820 | 1.12296 | 2.53707 |
| 43 | VOC | 0.84459 | 1.05040 | 1.45475 | 1.44256 | 0.27314 | 0.37160 | 1.10337 | 2.52457 |
| 44 | VOC | 0.82836 | 1.03341 | 1.43076 | 1.42208 | 0.26861 | 0.36544 | 1.08507 | 2.51374 |
| 45 | VOC | 0.81281 | 1.01715 | 1.40780 | 1.40318 | 0.26439 | 0.35969 | 1.06802 | 2.50445 |
| 46 | VOC | 0.79789 | 1.00157 | 1.38583 | 1.38577 | 0.26047 | 0.35435 | 1.05216 | 2.49652 |
| 47 | VOC | 0.78358 | 0.98663 | 1.36476 | 1.36975 | 0.25682 | 0.34940 | 1.03745 | 2.48973 |
| 48 | VOC | 0.76973 | 0.97216 | 1.34435 | 1.35485 | 0.25346 | 0.34482 | 1.02385 | 2.48380 |
| 49 | VOC | 0.76638 | 0.96854 | 1.33941 | 1.33938 | 0.25035 | 0.34060 | 1.01131 | 2.48380 |
| 50 | VOC | 0.76323 | 0.96514 | 1.33475 | 1.32534 | 0.24751 | 0.33672 | 0.99981 | 2.48380 |
| 51 | VOC | 0.76026 | 0.96193 | 1.33037 | 1.31268 | 0.24491 | 0.33318 | 0.98931 | 2.48380 |
| 52 | VOC | 0.75746 | 0.95891 | 1.32624 | 1.30133 | 0.24255 | 0.32997 | 0.97978 | 2.48380 |
| 53 | VOC | 0.75481 | 0.95605 | 1.32234 | 1.29123 | 0.24042 | 0.32708 | 0.97119 | 2.48380 |
| 54 | VOC | 0.75231 | 0.95335 | 1.31865 | 1.28234 | 0.23852 | 0.32450 | 0.96353 | 2.48380 |
| 55 | VOC | 0.74994 | 0.95079 | 1.31516 | 1.27461 | 0.23685 | 0.32223 | 0.95677 | 2.48380 |
| 56 | VOC | 0.76848 | 0.96960 | 1.34235 | 1.26801 | 0.23540 | 0.32025 | 0.95089 | 2.55948 |
| 57 | VOC | 0.78713 | 0.98854 | 1.36970 | 1.26251 | 0.23416 | 0.31856 | 0.94589 | 2.63516 |
| 58 | VOC | 0.80589 | 1.00759 | 1.39722 | 1.25808 | 0.23313 | 0.31716 | 0.94173 | 2.71083 |
| 59 | VOC | 0.82475 | 1.02675 | 1.42488 | 1.25472 | 0.23231 | 0.31605 | 0.93843 | 2.78651 |
| 60 | VOC | 0.84370 | 1.04601 | 1.45269 | 1.25241 | 0.23170 | 0.31522 | 0.93595 | 2.86219 |
| 61 | VOC | 0.86274 | 1.06537 | 1.48062 | 1.25115 | 0.23129 | 0.31466 | 0.93431 | 2.93787 |
| 62 | VOC | 0.88187 | 1.08482 | 1.50868 | 1.25092 | 0.23109 | 0.31438 | 0.93348 | 3.01354 |
| 63 | VOC | 0.90107 | 1.10435 | 1.53685 | 1.25174 | 0.23109 | 0.31438 | 0.93348 | 3.08922 |
| 64 | VOC | 0.92034 | 1.12396 | 1.56513 | 1.25362 | 0.23129 | 0.31466 | 0.93431 | 3.16490 |
| 65 | VOC | 0.93968 | 1.14364 | 1.59350 | 1.25657 | 0.23170 | 0.31522 | 0.93595 | 3.24058 |

# Table A-50
# Victoria 2015 CO Emission Rates
# for Time Period 1

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 71.28481 | 76.00851 | 105.38741 | 70.82037 | 4.40297 | 4.87025 | 34.21423 | 140.07657 |
| 4 CO | 55.96429 | 60.07481 | 83.29500 | 64.70552 | 4.05783 | 4.48849 | 31.53227 | 111.71400 |
| 5 CO | 46.77199 | 50.51459 | 70.03955 | 59.24886 | 3.74656 | 4.14418 | 29.11349 | 91.24311 |
| 6 CO | 40.64378 | 44.14110 | 61.20258 | 54.37186 | 3.46547 | 3.83326 | 26.92921 | 76.13726 |
| 7 CO | 36.26649 | 39.58862 | 54.89045 | 50.00618 | 3.21131 | 3.55212 | 24.95419 | 64.76292 |
| 8 CO | 32.98353 | 36.17425 | 50.15636 | 46.09234 | 2.98121 | 3.29760 | 23.16614 | 56.03831 |
| 9 CO | 30.43011 | 33.51863 | 46.47430 | 42.57838 | 2.77264 | 3.06690 | 21.54539 | 49.23096 |
| 10 CO | 28.38737 | 31.39414 | 43.52864 | 39.41895 | 2.58335 | 2.85752 | 20.07453 | 43.83456 |
| 11 CO | 26.71605 | 29.65592 | 41.11856 | 36.57433 | 2.41138 | 2.66730 | 18.73815 | 39.49239 |
| 12 CO | 25.32327 | 28.20740 | 39.11016 | 34.00973 | 2.25495 | 2.49427 | 17.52260 | 35.94862 |
| 13 CO | 24.14477 | 26.98173 | 37.41074 | 31.69461 | 2.11251 | 2.33671 | 16.41576 | 33.01677 |
| 14 CO | 23.13462 | 25.93116 | 35.95410 | 29.60214 | 1.98268 | 2.19310 | 15.40684 | 30.55884 |
| 15 CO | 22.25917 | 25.02066 | 34.69167 | 27.70871 | 1.86421 | 2.06206 | 14.48627 | 28.47139 |
| 16 CO | 21.49314 | 24.22397 | 33.58705 | 25.99351 | 1.75602 | 1.94238 | 13.64552 | 26.67597 |
| 17 CO | 20.81723 | 23.52102 | 32.61238 | 24.43818 | 1.65712 | 1.83298 | 12.87698 | 25.11244 |
| 18 CO | 20.21643 | 22.89617 | 31.74602 | 23.02652 | 1.56663 | 1.73290 | 12.17387 | 23.73438 |
| 19 CO | 19.67887 | 22.33708 | 30.97084 | 21.74419 | 1.48379 | 1.64126 | 11.53011 | 22.50574 |
| 20 CO | 18.84953 | 21.48932 | 29.79539 | 20.57850 | 1.40789 | 1.55730 | 10.94028 | 21.39839 |
| 21 CO | 17.77657 | 20.35062 | 28.21657 | 19.51818 | 1.33830 | 1.48033 | 10.39954 | 20.39040 |
| 22 CO | 16.80115 | 19.31545 | 26.78128 | 18.55328 | 1.27447 | 1.40973 | 9.90353 | 19.46467 |
| 23 CO | 15.91055 | 18.37029 | 25.47080 | 17.67492 | 1.21589 | 1.34494 | 9.44836 | 18.60788 |
| 24 CO | 15.09416 | 17.50389 | 24.26953 | 16.87523 | 1.16212 | 1.28546 | 9.03053 | 17.80978 |
| 25 CO | 14.34309 | 16.70681 | 23.16435 | 16.14720 | 1.11276 | 1.23085 | 8.64691 | 17.06252 |
| 26 CO | 13.64979 | 15.97104 | 22.14419 | 15.48461 | 1.06742 | 1.18071 | 8.29466 | 16.36012 |
| 27 CO | 13.00784 | 15.28977 | 21.19960 | 14.88191 | 1.02581 | 1.13467 | 7.97125 | 15.69813 |
| 28 CO | 12.41175 | 14.65717 | 20.32248 | 14.33418 | 0.98761 | 1.09242 | 7.67441 | 15.07327 |
| 29 CO | 11.85677 | 14.06819 | 19.50585 | 13.83701 | 0.95256 | 1.05366 | 7.40208 | 14.48314 |
| 30 CO | 11.33879 | 13.51848 | 18.74366 | 13.38650 | 0.92043 | 1.01812 | 7.15243 | 13.92601 |
| 31 CO | 10.85423 | 13.00423 | 18.03064 | 12.97918 | 0.89101 | 0.98557 | 6.92378 | 13.40062 |
| 32 CO | 10.39995 | 12.52212 | 17.36219 | 12.61197 | 0.86410 | 0.95580 | 6.71465 | 12.90610 |
| 33 CO | 9.97320 | 12.06924 | 16.73425 | 12.28215 | 0.83952 | 0.92862 | 6.52370 | 12.44173 |
| 34 CO | 9.57156 | 11.64299 | 16.14325 | 11.98729 | 0.81713 | 0.90386 | 6.34973 | 12.00697 |
| 35 CO | 9.19287 | 11.24110 | 15.58602 | 11.72528 | 0.79679 | 0.88136 | 6.19165 | 11.60126 |
| 36 CO | 8.83521 | 10.86153 | 15.05975 | 11.49425 | 0.77837 | 0.86098 | 6.04851 | 11.22405 |
| 37 CO | 8.49689 | 10.50249 | 14.56192 | 11.29259 | 0.76176 | 0.84261 | 5.91944 | 10.87475 |
| 38 CO | 8.17637 | 10.16234 | 14.09030 | 11.11890 | 0.74686 | 0.82613 | 5.80368 | 10.55262 |
| 39 CO | 7.87230 | 9.83963 | 13.64286 | 10.97200 | 0.73359 | 0.81145 | 5.70054 | 10.25686 |
| 40 CO | 7.58342 | 9.53306 | 13.21779 | 10.85089 | 0.72187 | 0.79848 | 5.60944 | 9.98648 |
| 41 CO | 7.30864 | 9.24145 | 12.81346 | 10.75474 | 0.71163 | 0.78715 | 5.52985 | 9.74028 |
| 42 CO | 7.04694 | 8.96371 | 12.42838 | 10.68292 | 0.70281 | 0.77740 | 5.46133 | 9.51697 |
| 43 CO | 6.79741 | 8.69890 | 12.06121 | 10.63496 | 0.69536 | 0.76916 | 5.40347 | 9.31494 |
| 44 CO | 6.55923 | 8.44613 | 11.71074 | 10.61053 | 0.68925 | 0.76240 | 5.35597 | 9.13240 |
| 45 CO | 6.33163 | 8.20459 | 11.37584 | 10.60947 | 0.68444 | 0.75707 | 5.31855 | 8.96724 |
| 46 CO | 6.11393 | 7.97355 | 11.05550 | 10.63177 | 0.68089 | 0.75315 | 5.29102 | 8.81709 |
| 47 CO | 5.90549 | 7.75234 | 10.74879 | 10.67758 | 0.67860 | 0.75062 | 5.27322 | 8.67915 |
| 48 CO | 5.70574 | 7.54035 | 10.45486 | 10.74722 | 0.67755 | 0.74946 | 5.26506 | 8.55033 |
| 49 CO | 5.70574 | 7.54035 | 10.45486 | 10.84112 | 0.67773 | 0.74966 | 5.26648 | 8.55033 |
| 50 CO | 5.70574 | 7.54035 | 10.45486 | 10.95994 | 0.67915 | 0.75123 | 5.27750 | 8.55033 |
| 51 CO | 5.70574 | 7.54035 | 10.45486 | 11.10446 | 0.68181 | 0.75417 | 5.29817 | 8.55033 |
| 52 CO | 5.70574 | 7.54035 | 10.45486 | 11.27566 | 0.68573 | 0.75851 | 5.32862 | 8.55033 |
| 53 CO | 5.70574 | 7.54035 | 10.45486 | 11.47472 | 0.69093 | 0.76425 | 5.36900 | 8.55033 |
| 54 CO | 5.70574 | 7.54035 | 10.45486 | 11.70302 | 0.69743 | 0.77145 | 5.41954 | 8.55033 |
| 55 CO | 5.70574 | 7.54035 | 10.45486 | 11.96214 | 0.70528 | 0.78013 | 5.48053 | 8.55033 |
| 56 CO | 6.22817 | 8.14939 | 11.29931 | 12.25393 | 0.71452 | 0.79035 | 5.55230 | 10.60950 |
| 57 CO | 6.75060 | 8.75843 | 12.14375 | 12.58048 | 0.72519 | 0.80215 | 5.63525 | 12.66867 |
| 58 CO | 7.27304 | 9.36747 | 12.98820 | 12.94419 | 0.73737 | 0.81562 | 5.72986 | 14.72784 |
| 59 CO | 7.79547 | 9.97651 | 13.83265 | 13.34774 | 0.75111 | 0.83083 | 5.83668 | 16.78701 |
| 60 CO | 8.31790 | 10.58555 | 14.67710 | 13.79418 | 0.76651 | 0.84786 | 5.95631 | 18.84618 |
| 61 CO | 8.84033 | 11.19459 | 15.52154 | 14.28695 | 0.78364 | 0.86681 | 6.08947 | 20.90535 |
| 62 CO | 9.36277 | 11.80364 | 16.36599 | 14.82992 | 0.80262 | 0.88780 | 6.23695 | 22.96451 |
| 63 CO | 9.88520 | 12.41267 | 17.21044 | 15.42743 | 0.82356 | 0.91096 | 6.39964 | 25.02369 |
| 64 CO | 10.40763 | 13.02172 | 18.05488 | 16.08435 | 0.84658 | 0.93643 | 6.57853 | 27.08286 |
| 65 CO | 10.93006 | 13.63076 | 18.89933 | 16.80618 | 0.87183 | 0.96436 | 6.77474 | 29.14202 |

# Table A-51
# Victoria 2015 NOX Emission Rates
# for Time Period 1

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 1.78614 | 2.10071 | 2.93133 | 3.21002 | 1.84594 | 2.08224 | 11.22436 | 0.89199 |
| 4 | NOX | 1.63258 | 1.92011 | 2.67932 | 3.24324 | 1.76819 | 1.99454 | 10.75162 | 0.85317 |
| 5 | NOX | 1.54045 | 1.81175 | 2.52812 | 3.27646 | 1.69613 | 1.91325 | 10.31342 | 0.82096 |
| 6 | NOX | 1.47902 | 1.73951 | 2.42731 | 3.30967 | 1.62931 | 1.83789 | 9.90715 | 0.79485 |
| 7 | NOX | 1.43515 | 1.68791 | 2.35531 | 3.34289 | 1.56735 | 1.76799 | 9.53040 | 0.77435 |
| 8 | NOX | 1.40225 | 1.64921 | 2.30131 | 3.37611 | 1.50989 | 1.70318 | 9.18100 | 0.75899 |
| 9 | NOX | 1.37665 | 1.61911 | 2.25931 | 3.40933 | 1.45661 | 1.64307 | 8.85699 | 0.74831 |
| 10 | NOX | 1.35618 | 1.59503 | 2.22571 | 3.44254 | 1.40720 | 1.58733 | 8.55654 | 0.74188 |
| 11 | NOX | 1.33943 | 1.57533 | 2.19822 | 3.47576 | 1.36139 | 1.53567 | 8.27804 | 0.73929 |
| 12 | NOX | 1.32547 | 1.55891 | 2.17531 | 3.50898 | 1.31895 | 1.48780 | 8.01998 | 0.74013 |
| 13 | NOX | 1.31366 | 1.54502 | 2.15592 | 3.54220 | 1.27965 | 1.44346 | 7.78101 | 0.74403 |
| 14 | NOX | 1.30353 | 1.53311 | 2.13930 | 3.57541 | 1.24329 | 1.40244 | 7.55989 | 0.75061 |
| 15 | NOX | 1.29476 | 1.52279 | 2.12490 | 3.60863 | 1.20967 | 1.36452 | 7.35549 | 0.75953 |
| 16 | NOX | 1.28708 | 1.51376 | 2.11230 | 3.64185 | 1.17864 | 1.32952 | 7.16678 | 0.77047 |
| 17 | NOX | 1.28031 | 1.50579 | 2.10119 | 3.67507 | 1.15003 | 1.29725 | 6.99284 | 0.78310 |
| 18 | NOX | 1.27428 | 1.49871 | 2.09130 | 3.70828 | 1.12371 | 1.26756 | 6.83281 | 0.79715 |
| 19 | NOX | 1.26890 | 1.49237 | 2.08246 | 3.74150 | 1.09956 | 1.24032 | 6.68594 | 0.81233 |
| 20 | NOX | 1.27189 | 1.48250 | 2.06869 | 3.77472 | 1.07745 | 1.21538 | 6.55152 | 0.82839 |
| 21 | NOX | 1.28003 | 1.48420 | 2.07106 | 3.80794 | 1.05729 | 1.19264 | 6.42892 | 0.84508 |
| 22 | NOX | 1.28743 | 1.48575 | 2.07322 | 3.84115 | 1.03898 | 1.17198 | 6.31758 | 0.86219 |
| 23 | NOX | 1.29418 | 1.48716 | 2.07519 | 3.87437 | 1.02244 | 1.15332 | 6.21699 | 0.87951 |
| 24 | NOX | 1.30037 | 1.48846 | 2.07699 | 3.90759 | 1.00759 | 1.13657 | 6.12670 | 0.89685 |
| 25 | NOX | 1.30606 | 1.48965 | 2.07866 | 3.94081 | 0.99436 | 1.12166 | 6.04630 | 0.91405 |
| 26 | NOX | 1.31132 | 1.49075 | 2.08019 | 3.97402 | 0.98271 | 1.10851 | 5.97543 | 0.93096 |
| 27 | NOX | 1.31619 | 1.49176 | 2.08161 | 4.00724 | 0.97257 | 1.09707 | 5.91379 | 0.94743 |
| 28 | NOX | 1.32071 | 1.49271 | 2.08293 | 4.04046 | 0.96391 | 1.08730 | 5.86109 | 0.96336 |
| 29 | NOX | 1.32492 | 1.49359 | 2.08416 | 4.07368 | 0.95668 | 1.07914 | 5.81713 | 0.97865 |
| 30 | NOX | 1.32884 | 1.49441 | 2.08530 | 4.10689 | 0.95085 | 1.07257 | 5.78169 | 0.99322 |
| 31 | NOX | 1.33252 | 1.49518 | 2.08637 | 4.14011 | 0.94640 | 1.06755 | 5.75464 | 1.00701 |
| 32 | NOX | 1.33596 | 1.49590 | 2.08738 | 4.17333 | 0.94331 | 1.06406 | 5.73585 | 1.01997 |
| 33 | NOX | 1.33920 | 1.49657 | 2.08832 | 4.20655 | 0.94157 | 1.06210 | 5.72525 | 1.03208 |
| 34 | NOX | 1.34224 | 1.49721 | 2.08921 | 4.23976 | 0.94116 | 1.06164 | 5.72279 | 1.04332 |
| 35 | NOX | 1.34512 | 1.49781 | 2.09005 | 4.27298 | 0.94209 | 1.06269 | 5.72846 | 1.05372 |
| 36 | NOX | 1.34783 | 1.49838 | 2.09084 | 4.30620 | 0.94437 | 1.06526 | 5.74228 | 1.06328 |
| 37 | NOX | 1.35039 | 1.49892 | 2.09159 | 4.33942 | 0.94799 | 1.06934 | 5.76431 | 1.07207 |
| 38 | NOX | 1.35282 | 1.49942 | 2.09230 | 4.37263 | 0.95298 | 1.07497 | 5.79466 | 1.08013 |
| 39 | NOX | 1.35513 | 1.49991 | 2.09297 | 4.40585 | 0.95936 | 1.08217 | 5.83344 | 1.08756 |
| 40 | NOX | 1.35732 | 1.50036 | 2.09361 | 4.43907 | 0.96715 | 1.09096 | 5.88082 | 1.09445 |
| 41 | NOX | 1.35940 | 1.50080 | 2.09422 | 4.47229 | 0.97639 | 1.10138 | 5.93701 | 1.10091 |
| 42 | NOX | 1.36139 | 1.50121 | 2.09480 | 4.50550 | 0.98712 | 1.11349 | 6.00226 | 1.10708 |
| 43 | NOX | 1.36328 | 1.50161 | 2.09535 | 4.53872 | 0.99939 | 1.12732 | 6.07685 | 1.11311 |
| 44 | NOX | 1.36509 | 1.50199 | 2.09588 | 4.57194 | 1.01325 | 1.14295 | 6.16111 | 1.11917 |
| 45 | NOX | 1.36681 | 1.50235 | 2.09638 | 4.60516 | 1.02875 | 1.16045 | 6.25541 | 1.12544 |
| 46 | NOX | 1.36846 | 1.50269 | 2.09686 | 4.63837 | 1.04598 | 1.17988 | 6.36018 | 1.13214 |
| 47 | NOX | 1.37004 | 1.50302 | 2.09732 | 4.67159 | 1.06501 | 1.20135 | 6.47589 | 1.13948 |
| 48 | NOX | 1.37156 | 1.50334 | 2.09776 | 4.70481 | 1.08593 | 1.22494 | 6.60308 | 1.14770 |
| 49 | NOX | 1.41081 | 1.55908 | 2.17554 | 4.73803 | 1.10883 | 1.25078 | 6.74233 | 1.18507 |
| 50 | NOX | 1.45007 | 1.61482 | 2.25332 | 4.77124 | 1.13383 | 1.27897 | 6.89431 | 1.22244 |
| 51 | NOX | 1.48932 | 1.67055 | 2.33109 | 4.80446 | 1.16103 | 1.30966 | 7.05973 | 1.25981 |
| 52 | NOX | 1.52858 | 1.72629 | 2.40887 | 4.83768 | 1.19058 | 1.34299 | 7.23939 | 1.29719 |
| 53 | NOX | 1.56783 | 1.78203 | 2.48665 | 4.87090 | 1.22261 | 1.37912 | 7.43417 | 1.33456 |
| 54 | NOX | 1.60709 | 1.83777 | 2.56442 | 4.90411 | 1.25729 | 1.41824 | 7.64503 | 1.37193 |
| 55 | NOX | 1.64635 | 1.89350 | 2.64220 | 4.93733 | 1.29479 | 1.46054 | 7.87306 | 1.40930 |
| 56 | NOX | 1.68560 | 1.94924 | 2.71997 | 4.97055 | 1.33530 | 1.50624 | 8.11940 | 1.44667 |
| 57 | NOX | 1.72486 | 2.00498 | 2.79775 | 5.00377 | 1.37904 | 1.55558 | 8.38535 | 1.48405 |
| 58 | NOX | 1.76411 | 2.06072 | 2.87553 | 5.03698 | 1.42624 | 1.60881 | 8.67232 | 1.52142 |
| 59 | NOX | 1.80337 | 2.11645 | 2.95330 | 5.07020 | 1.47714 | 1.66623 | 8.98185 | 1.55879 |
| 60 | NOX | 1.84262 | 2.17219 | 3.03108 | 5.10342 | 1.53204 | 1.72816 | 9.31565 | 1.59616 |
| 61 | NOX | 1.88188 | 2.22793 | 3.10886 | 5.13664 | 1.59123 | 1.79493 | 9.67559 | 1.63353 |
| 62 | NOX | 1.92113 | 2.28367 | 3.18663 | 5.16985 | 1.65506 | 1.86693 | 10.06371 | 1.67091 |
| 63 | NOX | 1.96039 | 2.33940 | 3.26441 | 5.20307 | 1.72390 | 1.94458 | 10.48228 | 1.70828 |
| 64 | NOX | 1.99965 | 2.39514 | 3.34219 | 5.23629 | 1.79815 | 2.02834 | 10.93377 | 1.74565 |
| 65 | NOX | 2.03890 | 2.45088 | 3.41996 | 5.26951 | 1.87827 | 2.11871 | 11.42092 | 1.78302 |

# Table A-52
# Victoria 2015 VOC Emission Rates
# for Time Period 2

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 10.79028 | 12.28465 | 17.17440 | 17.82631 | 1.09706 | 1.49251 | 4.43163 | 11.08929 |
| 4 | VOC | 7.35403 | 8.40844 | 11.76362 | 13.00490 | 1.04156 | 1.41700 | 4.20741 | 9.56763 |
| 5 | VOC | 5.59319 | 6.41008 | 8.97011 | 10.48689 | 0.98973 | 1.34649 | 3.99805 | 8.44061 |
| 6 | VOC | 4.54468 | 5.21425 | 7.29651 | 8.91262 | 0.94131 | 1.28062 | 3.80246 | 7.58994 |
| 7 | VOC | 3.85715 | 4.42689 | 6.19352 | 7.81002 | 0.89605 | 1.21904 | 3.61962 | 6.93676 |
| 8 | VOC | 3.47701 | 3.97581 | 5.55672 | 7.15688 | 0.85371 | 1.16144 | 3.44860 | 6.42732 |
| 9 | VOC | 3.18984 | 3.63504 | 5.07577 | 6.61606 | 0.81409 | 1.10754 | 3.28855 | 6.02428 |
| 10 | VOC | 2.95742 | 3.36102 | 4.68968 | 6.14332 | 0.77699 | 1.05707 | 3.13870 | 5.70117 |
| 11 | VOC | 2.76483 | 3.13556 | 4.37260 | 5.72590 | 0.74224 | 1.00979 | 2.99831 | 5.43892 |
| 12 | VOC | 2.60209 | 2.94650 | 4.10727 | 5.35452 | 0.70966 | 0.96547 | 2.86672 | 5.22353 |
| 13 | VOC | 2.46233 | 2.78546 | 3.88175 | 5.02206 | 0.67912 | 0.92391 | 2.74332 | 5.04460 |
| 14 | VOC | 2.34062 | 2.64642 | 3.68751 | 4.72296 | 0.65046 | 0.88492 | 2.62754 | 4.89426 |
| 15 | VOC | 2.23335 | 2.52499 | 3.51829 | 4.45273 | 0.62355 | 0.84832 | 2.51886 | 4.76652 |
| 16 | VOC | 2.13781 | 2.41787 | 3.36940 | 4.20769 | 0.59829 | 0.81395 | 2.41681 | 4.65671 |
| 17 | VOC | 2.05193 | 2.32252 | 3.23725 | 3.98476 | 0.57455 | 0.78166 | 2.32093 | 4.56123 |
| 18 | VOC | 1.97410 | 2.23700 | 3.11905 | 3.78136 | 0.55225 | 0.75131 | 2.23082 | 4.47722 |
| 19 | VOC | 1.90305 | 2.15974 | 3.01261 | 3.59526 | 0.53127 | 0.72277 | 2.14609 | 4.40242 |
| 20 | VOC | 1.82235 | 2.07362 | 2.89206 | 3.42942 | 0.51154 | 0.69594 | 2.06640 | 4.33505 |
| 21 | VOC | 1.74547 | 1.99222 | 2.77627 | 3.28464 | 0.49298 | 0.67068 | 1.99142 | 4.27369 |
| 22 | VOC | 1.67544 | 1.91817 | 2.67095 | 3.15219 | 0.47551 | 0.64692 | 1.92085 | 4.21723 |
| 23 | VOC | 1.61134 | 1.85051 | 2.57476 | 3.03081 | 0.45907 | 0.62454 | 1.85441 | 4.16479 |
| 24 | VOC | 1.55245 | 1.78844 | 2.48653 | 2.91941 | 0.44358 | 0.60347 | 1.79185 | 4.11568 |
| 25 | VOC | 1.49814 | 1.73130 | 2.40532 | 2.81700 | 0.42899 | 0.58362 | 1.73292 | 4.06939 |
| 26 | VOC | 1.44787 | 1.67851 | 2.33033 | 2.72275 | 0.41525 | 0.56493 | 1.67740 | 4.02553 |
| 27 | VOC | 1.40121 | 1.62960 | 2.26085 | 2.63587 | 0.40230 | 0.54731 | 1.62510 | 3.98381 |
| 28 | VOC | 1.35775 | 1.58413 | 2.19629 | 2.55571 | 0.39010 | 0.53071 | 1.57581 | 3.94404 |
| 29 | VOC | 1.31718 | 1.54177 | 2.13616 | 2.48164 | 0.37860 | 0.51507 | 1.52936 | 3.90610 |
| 30 | VOC | 1.27920 | 1.50219 | 2.07999 | 2.41314 | 0.36776 | 0.50032 | 1.48558 | 3.86991 |
| 31 | VOC | 1.24357 | 1.46514 | 2.02742 | 2.34972 | 0.35755 | 0.48643 | 1.44433 | 3.83545 |
| 32 | VOC | 1.21005 | 1.43036 | 1.97811 | 2.29095 | 0.34793 | 0.47334 | 1.40546 | 3.80272 |
| 33 | VOC | 1.17847 | 1.39766 | 1.93175 | 2.23645 | 0.33886 | 0.46101 | 1.36885 | 3.77173 |
| 34 | VOC | 1.14864 | 1.36686 | 1.88809 | 2.18586 | 0.33032 | 0.44939 | 1.33435 | 3.74252 |
| 35 | VOC | 1.12043 | 1.33778 | 1.84689 | 2.13887 | 0.32228 | 0.43845 | 1.30188 | 3.71514 |
| 36 | VOC | 1.09369 | 1.31029 | 1.80796 | 2.09520 | 0.31472 | 0.42816 | 1.27131 | 3.68960 |
| 37 | VOC | 1.06830 | 1.28425 | 1.77110 | 2.05460 | 0.30760 | 0.41847 | 1.24255 | 3.66596 |
| 38 | VOC | 1.04416 | 1.25956 | 1.73616 | 2.01683 | 0.30090 | 0.40937 | 1.21552 | 3.64423 |
| 39 | VOC | 1.02117 | 1.23611 | 1.70298 | 1.98169 | 0.29462 | 0.40081 | 1.19011 | 3.62442 |
| 40 | VOC | 0.99925 | 1.21380 | 1.67144 | 1.94899 | 0.28871 | 0.39278 | 1.16627 | 3.60652 |
| 41 | VOC | 0.97832 | 1.19255 | 1.64141 | 1.91857 | 0.28318 | 0.38525 | 1.14391 | 3.59052 |
| 42 | VOC | 0.95830 | 1.17229 | 1.61278 | 1.89027 | 0.27799 | 0.37820 | 1.12296 | 3.57636 |
| 43 | VOC | 0.93913 | 1.15295 | 1.58547 | 1.86395 | 0.27314 | 0.37160 | 1.10337 | 3.56397 |
| 44 | VOC | 0.92077 | 1.13446 | 1.55937 | 1.83948 | 0.26861 | 0.36544 | 1.08507 | 3.55324 |
| 45 | VOC | 0.90314 | 1.11677 | 1.53441 | 1.81676 | 0.26439 | 0.35969 | 1.06802 | 3.54404 |
| 46 | VOC | 0.88620 | 1.09983 | 1.51052 | 1.79569 | 0.26047 | 0.35435 | 1.05216 | 3.53618 |
| 47 | VOC | 0.86992 | 1.08358 | 1.48761 | 1.77617 | 0.25682 | 0.34940 | 1.03745 | 3.52945 |
| 48 | VOC | 0.85413 | 1.06774 | 1.46528 | 1.75778 | 0.25346 | 0.34482 | 1.02385 | 3.52357 |
| 49 | VOC | 0.84872 | 1.06186 | 1.45717 | 1.73791 | 0.25035 | 0.34060 | 1.01131 | 3.52357 |
| 50 | VOC | 0.84363 | 1.05632 | 1.44954 | 1.71976 | 0.24751 | 0.33672 | 0.99981 | 3.52357 |
| 51 | VOC | 0.83883 | 1.05111 | 1.44236 | 1.70324 | 0.24491 | 0.33318 | 0.98931 | 3.52357 |
| 52 | VOC | 0.83431 | 1.04619 | 1.43559 | 1.68828 | 0.24255 | 0.32997 | 0.97978 | 3.52357 |
| 53 | VOC | 0.83004 | 1.04155 | 1.42919 | 1.67480 | 0.24042 | 0.32708 | 0.97119 | 3.52357 |
| 54 | VOC | 0.82600 | 1.03716 | 1.42315 | 1.66274 | 0.23852 | 0.32450 | 0.96353 | 3.52357 |
| 55 | VOC | 0.82218 | 1.03301 | 1.41743 | 1.65205 | 0.23685 | 0.32223 | 0.95677 | 3.52357 |
| 56 | VOC | 0.83945 | 1.05043 | 1.44267 | 1.64267 | 0.23540 | 0.32025 | 0.95089 | 3.59857 |
| 57 | VOC | 0.85691 | 1.06805 | 1.46820 | 1.63457 | 0.23416 | 0.31856 | 0.94589 | 3.67356 |
| 58 | VOC | 0.87454 | 1.08585 | 1.49399 | 1.62771 | 0.23313 | 0.31716 | 0.94173 | 3.74855 |
| 59 | VOC | 0.89233 | 1.10384 | 1.52002 | 1.62208 | 0.23231 | 0.31605 | 0.93843 | 3.82355 |
| 60 | VOC | 0.91028 | 1.12199 | 1.54629 | 1.61765 | 0.23170 | 0.31522 | 0.93595 | 3.89854 |
| 61 | VOC | 0.92837 | 1.14030 | 1.57276 | 1.61440 | 0.23129 | 0.31466 | 0.93431 | 3.97354 |
| 62 | VOC | 0.94659 | 1.15875 | 1.59944 | 1.61233 | 0.23109 | 0.31438 | 0.93348 | 4.04853 |
| 63 | VOC | 0.96494 | 1.17734 | 1.62631 | 1.61144 | 0.23109 | 0.31438 | 0.93348 | 4.12352 |
| 64 | VOC | 0.98340 | 1.19605 | 1.65335 | 1.61174 | 0.23129 | 0.31466 | 0.93431 | 4.19852 |
| 65 | VOC | 1.00198 | 1.21489 | 1.68055 | 1.61323 | 0.23170 | 0.31522 | 0.93595 | 4.27351 |

# Table A-53
# Victoria 2015 CO Emission Rates
# for Time Period 2

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 72.37585 | 77.16229 | 106.95932 | 79.03186 | 4.40297 | 4.87025 | 34.21423 | 166.05774 |
| 4 CO | 56.82084 | 60.98672 | 84.53738 | 72.20801 | 4.05783 | 4.48849 | 31.53227 | 132.43452 |
| 5 CO | 47.48785 | 51.28138 | 71.08423 | 66.11865 | 3.74656 | 4.14418 | 29.11349 | 108.16673 |
| 6 CO | 41.26585 | 44.81115 | 62.11544 | 60.67616 | 3.46547 | 3.83326 | 26.92921 | 90.25908 |
| 7 CO | 36.82156 | 40.18956 | 55.70918 | 55.80431 | 3.21131 | 3.55212 | 24.95419 | 76.77505 |
| 8 CO | 33.48834 | 36.72336 | 50.90447 | 51.43665 | 2.98121 | 3.29760 | 23.16614 | 66.43221 |
| 9 CO | 30.89585 | 34.02744 | 47.16748 | 47.51526 | 2.77264 | 3.06690 | 21.54539 | 58.36223 |
| 10 CO | 28.82184 | 31.87069 | 44.17789 | 43.98951 | 2.58335 | 2.85752 | 20.07453 | 51.96492 |
| 11 CO | 27.12494 | 30.10608 | 41.73186 | 40.81506 | 2.41138 | 2.66730 | 18.73815 | 46.81738 |
| 12 CO | 25.71084 | 28.63558 | 39.69350 | 37.95309 | 2.25495 | 2.49427 | 17.52260 | 42.61632 |
| 13 CO | 24.51431 | 27.39130 | 37.96874 | 35.36954 | 2.11251 | 2.33671 | 16.41576 | 39.14066 |
| 14 CO | 23.48870 | 26.32478 | 36.49037 | 33.03445 | 1.98268 | 2.19310 | 15.40684 | 36.22684 |
| 15 CO | 22.59985 | 25.40046 | 35.20912 | 30.92148 | 1.86421 | 2.06206 | 14.48627 | 33.75222 |
| 16 CO | 21.82210 | 24.59168 | 34.08802 | 29.00740 | 1.75602 | 1.94238 | 13.64552 | 31.62378 |
| 17 CO | 21.13585 | 23.87806 | 33.09882 | 27.27174 | 1.65712 | 1.83298 | 12.87698 | 29.77026 |
| 18 CO | 20.52585 | 23.24372 | 32.21952 | 25.69640 | 1.56663 | 1.73290 | 12.17387 | 28.13659 |
| 19 CO | 19.98006 | 22.67616 | 31.43279 | 24.26539 | 1.48379 | 1.64126 | 11.53011 | 26.68007 |
| 20 CO | 19.13803 | 21.81551 | 30.23980 | 22.96453 | 1.40789 | 1.55730 | 10.94028 | 25.36733 |
| 21 CO | 18.04864 | 20.65954 | 28.63744 | 21.78128 | 1.33830 | 1.48033 | 10.39954 | 24.17238 |
| 22 CO | 17.05829 | 19.60865 | 27.18074 | 20.70450 | 1.27447 | 1.40973 | 9.90353 | 23.07494 |
| 23 CO | 16.15406 | 18.64915 | 25.85071 | 19.72429 | 1.21589 | 1.34494 | 9.44836 | 22.05924 |
| 24 CO | 15.32518 | 17.76960 | 24.63151 | 18.83187 | 1.16212 | 1.28546 | 9.03053 | 21.11311 |
| 25 CO | 14.56261 | 16.96042 | 23.50986 | 18.01944 | 1.11276 | 1.23085 | 8.64691 | 20.22725 |
| 26 CO | 13.85870 | 16.21348 | 22.47448 | 17.28002 | 1.06742 | 1.18071 | 8.29466 | 19.39457 |
| 27 CO | 13.20693 | 15.52187 | 21.51580 | 16.60744 | 1.02581 | 1.13467 | 7.97125 | 18.60980 |
| 28 CO | 12.60172 | 14.87966 | 20.62560 | 15.99620 | 0.98761 | 1.09242 | 7.67441 | 17.86904 |
| 29 CO | 12.03824 | 14.28174 | 19.79678 | 15.44138 | 0.95256 | 1.05366 | 7.40208 | 17.16945 |
| 30 CO | 11.51233 | 13.72369 | 19.02323 | 14.93864 | 0.92043 | 1.01812 | 7.15243 | 16.50898 |
| 31 CO | 11.02035 | 13.20163 | 18.29958 | 14.48409 | 0.89101 | 0.98557 | 6.92378 | 15.88615 |
| 32 CO | 10.55912 | 12.71221 | 17.62116 | 14.07431 | 0.86410 | 0.95580 | 6.71465 | 15.29991 |
| 33 CO | 10.12584 | 12.25244 | 16.98385 | 13.70624 | 0.83952 | 0.92862 | 6.52370 | 14.74941 |
| 34 CO | 9.71805 | 11.81973 | 16.38404 | 13.37719 | 0.81713 | 0.90386 | 6.34973 | 14.23401 |
| 35 CO | 9.33356 | 11.41173 | 15.81849 | 13.08480 | 0.79679 | 0.88136 | 6.19165 | 13.75304 |
| 36 CO | 8.97044 | 11.02641 | 15.28437 | 12.82699 | 0.77837 | 0.86098 | 6.04851 | 13.30587 |
| 37 CO | 8.62694 | 10.66191 | 14.77912 | 12.60194 | 0.76176 | 0.84261 | 5.91944 | 12.89178 |
| 38 CO | 8.30152 | 10.31660 | 14.30046 | 12.40812 | 0.74686 | 0.82613 | 5.80368 | 12.50991 |
| 39 CO | 7.99278 | 9.98899 | 13.84635 | 12.24418 | 0.73359 | 0.81145 | 5.70054 | 12.15929 |
| 40 CO | 7.69949 | 9.67777 | 13.41494 | 12.10903 | 0.72187 | 0.79848 | 5.60944 | 11.83875 |
| 41 CO | 7.42050 | 9.38173 | 13.00458 | 12.00173 | 0.71163 | 0.78715 | 5.52985 | 11.54689 |
| 42 CO | 7.15480 | 9.09978 | 12.61376 | 11.92159 | 0.70281 | 0.77740 | 5.46133 | 11.28216 |
| 43 CO | 6.90145 | 8.83095 | 12.24111 | 11.86806 | 0.69536 | 0.76916 | 5.40347 | 11.04266 |
| 44 CO | 6.65962 | 8.57434 | 11.88541 | 11.84080 | 0.68925 | 0.76240 | 5.35597 | 10.82626 |
| 45 CO | 6.42854 | 8.32913 | 11.54551 | 11.83961 | 0.68444 | 0.75707 | 5.31855 | 10.63047 |
| 46 CO | 6.20751 | 8.09459 | 11.22039 | 11.86450 | 0.68089 | 0.75315 | 5.29102 | 10.45246 |
| 47 CO | 5.99588 | 7.87002 | 10.90911 | 11.91563 | 0.67860 | 0.75062 | 5.27322 | 10.28895 |
| 48 CO | 5.79307 | 7.65481 | 10.61080 | 11.99334 | 0.67755 | 0.74946 | 5.26506 | 10.13623 |
| 49 CO | 5.79307 | 7.65481 | 10.61080 | 12.09813 | 0.67773 | 0.74966 | 5.26648 | 10.13623 |
| 50 CO | 5.79307 | 7.65481 | 10.61080 | 12.23072 | 0.67915 | 0.75123 | 5.27750 | 10.13623 |
| 51 CO | 5.79307 | 7.65481 | 10.61080 | 12.39200 | 0.68181 | 0.75417 | 5.29817 | 10.13623 |
| 52 CO | 5.79307 | 7.65481 | 10.61080 | 12.58306 | 0.68573 | 0.75851 | 5.32862 | 10.13623 |
| 53 CO | 5.79307 | 7.65481 | 10.61080 | 12.80520 | 0.69093 | 0.76425 | 5.36900 | 10.13623 |
| 54 CO | 5.79307 | 7.65481 | 10.61080 | 13.05996 | 0.69743 | 0.77145 | 5.41954 | 10.13623 |
| 55 CO | 5.79307 | 7.65481 | 10.61080 | 13.34913 | 0.70528 | 0.78013 | 5.48053 | 10.13623 |
| 56 CO | 6.32349 | 8.27310 | 11.46784 | 13.67475 | 0.71452 | 0.79035 | 5.55230 | 12.57733 |
| 57 CO | 6.85392 | 8.89138 | 12.32488 | 14.03917 | 0.72519 | 0.80215 | 5.63525 | 15.01843 |
| 58 CO | 7.38435 | 9.50967 | 13.18193 | 14.44504 | 0.73737 | 0.81562 | 5.72986 | 17.45953 |
| 59 CO | 7.91478 | 10.12795 | 14.03897 | 14.89538 | 0.75111 | 0.83083 | 5.83668 | 19.90064 |
| 60 CO | 8.44521 | 10.74624 | 14.89601 | 15.39359 | 0.76651 | 0.84786 | 5.95631 | 22.34174 |
| 61 CO | 8.97564 | 11.36452 | 15.75306 | 15.94350 | 0.78364 | 0.86681 | 6.08947 | 24.78284 |
| 62 CO | 9.50607 | 11.98281 | 16.61010 | 16.54942 | 0.80262 | 0.88780 | 6.23695 | 27.22393 |
| 63 CO | 10.03649 | 12.60110 | 17.46714 | 17.21621 | 0.82356 | 0.91096 | 6.39964 | 29.66504 |
| 64 CO | 10.56692 | 13.21938 | 18.32418 | 17.94930 | 0.84658 | 0.93643 | 6.57853 | 32.10614 |
| 65 CO | 11.09735 | 13.83767 | 19.18122 | 18.75483 | 0.87183 | 0.96436 | 6.77474 | 34.54724 |

# Table A-54
# Victoria 2015 NOX Emission Rates
# for Time Period 2

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 1.80906 | 2.12798 | 2.97029 | 3.25512 | 1.84594 | 2.08224 | 11.22436 | 0.82343 |
| 4 | NOX | 1.65354 | 1.94504 | 2.71494 | 3.28880 | 1.76819 | 1.99454 | 10.75162 | 0.78760 |
| 5 | NOX | 1.56022 | 1.83527 | 2.56172 | 3.32249 | 1.69613 | 1.91325 | 10.31342 | 0.75786 |
| 6 | NOX | 1.49801 | 1.76209 | 2.45958 | 3.35617 | 1.62931 | 1.83789 | 9.90715 | 0.73376 |
| 7 | NOX | 1.45358 | 1.70982 | 2.38662 | 3.38986 | 1.56735 | 1.76799 | 9.53040 | 0.71483 |
| 8 | NOX | 1.42025 | 1.67062 | 2.33190 | 3.42354 | 1.50989 | 1.70318 | 9.18100 | 0.70065 |
| 9 | NOX | 1.39433 | 1.64013 | 2.28934 | 3.45723 | 1.45661 | 1.64307 | 8.85699 | 0.69079 |
| 10 | NOX | 1.37359 | 1.61574 | 2.25529 | 3.49091 | 1.40720 | 1.58733 | 8.55654 | 0.68486 |
| 11 | NOX | 1.35662 | 1.59578 | 2.22743 | 3.52459 | 1.36139 | 1.53567 | 8.27804 | 0.68247 |
| 12 | NOX | 1.34248 | 1.57915 | 2.20422 | 3.55828 | 1.31895 | 1.48780 | 8.01998 | 0.68324 |
| 13 | NOX | 1.33052 | 1.56508 | 2.18458 | 3.59196 | 1.27965 | 1.44346 | 7.78101 | 0.68684 |
| 14 | NOX | 1.32027 | 1.55301 | 2.16774 | 3.62565 | 1.24329 | 1.40244 | 7.55989 | 0.69291 |
| 15 | NOX | 1.31138 | 1.54256 | 2.15315 | 3.65933 | 1.20967 | 1.36452 | 7.35549 | 0.70115 |
| 16 | NOX | 1.30360 | 1.53341 | 2.14038 | 3.69302 | 1.17864 | 1.32952 | 7.16678 | 0.71125 |
| 17 | NOX | 1.29674 | 1.52534 | 2.12911 | 3.72670 | 1.15003 | 1.29725 | 6.99284 | 0.72291 |
| 18 | NOX | 1.29064 | 1.51817 | 2.11910 | 3.76038 | 1.12371 | 1.26756 | 6.83281 | 0.73588 |
| 19 | NOX | 1.28519 | 1.51175 | 2.11014 | 3.79407 | 1.09956 | 1.24032 | 6.68594 | 0.74989 |
| 20 | NOX | 1.28822 | 1.50175 | 2.09618 | 3.82775 | 1.07745 | 1.21538 | 6.55152 | 0.76472 |
| 21 | NOX | 1.29646 | 1.50347 | 2.09859 | 3.86144 | 1.05729 | 1.19264 | 6.42892 | 0.78013 |
| 22 | NOX | 1.30395 | 1.50504 | 2.10077 | 3.89512 | 1.03898 | 1.17198 | 6.31758 | 0.79592 |
| 23 | NOX | 1.31079 | 1.50647 | 2.10277 | 3.92880 | 1.02244 | 1.15332 | 6.21699 | 0.81191 |
| 24 | NOX | 1.31706 | 1.50778 | 2.10460 | 3.96249 | 1.00759 | 1.13657 | 6.12670 | 0.82792 |
| 25 | NOX | 1.32283 | 1.50899 | 2.10628 | 3.99617 | 0.99436 | 1.12166 | 6.04630 | 0.84380 |
| 26 | NOX | 1.32815 | 1.51010 | 2.10784 | 4.02986 | 0.98271 | 1.10851 | 5.97543 | 0.85940 |
| 27 | NOX | 1.33308 | 1.51113 | 2.10928 | 4.06354 | 0.97257 | 1.09707 | 5.91379 | 0.87461 |
| 28 | NOX | 1.33766 | 1.51209 | 2.11061 | 4.09723 | 0.96391 | 1.08730 | 5.86109 | 0.88932 |
| 29 | NOX | 1.34192 | 1.51298 | 2.11186 | 4.13091 | 0.95668 | 1.07914 | 5.81713 | 0.90343 |
| 30 | NOX | 1.34590 | 1.51381 | 2.11302 | 4.16459 | 0.95085 | 1.07257 | 5.78169 | 0.91688 |
| 31 | NOX | 1.34962 | 1.51459 | 2.11411 | 4.19828 | 0.94640 | 1.06755 | 5.75464 | 0.92961 |
| 32 | NOX | 1.35311 | 1.51532 | 2.11512 | 4.23196 | 0.94331 | 1.06406 | 5.73585 | 0.94158 |
| 33 | NOX | 1.35639 | 1.51600 | 2.11608 | 4.26565 | 0.94157 | 1.06210 | 5.72525 | 0.95275 |
| 34 | NOX | 1.35947 | 1.51665 | 2.11698 | 4.29933 | 0.94116 | 1.06164 | 5.72279 | 0.96313 |
| 35 | NOX | 1.36238 | 1.51726 | 2.11783 | 4.33302 | 0.94209 | 1.06269 | 5.72846 | 0.97273 |
| 36 | NOX | 1.36513 | 1.51783 | 2.11863 | 4.36670 | 0.94437 | 1.06526 | 5.74228 | 0.98156 |
| 37 | NOX | 1.36773 | 1.51837 | 2.11939 | 4.40038 | 0.94799 | 1.06934 | 5.76431 | 0.98967 |
| 38 | NOX | 1.37019 | 1.51889 | 2.12011 | 4.43407 | 0.95298 | 1.07497 | 5.79466 | 0.99711 |
| 39 | NOX | 1.37253 | 1.51938 | 2.12079 | 4.46775 | 0.95936 | 1.08217 | 5.83344 | 1.00397 |
| 40 | NOX | 1.37474 | 1.51984 | 2.12144 | 4.50144 | 0.96715 | 1.09096 | 5.88082 | 1.01032 |
| 41 | NOX | 1.37685 | 1.52028 | 2.12205 | 4.53512 | 0.97639 | 1.10138 | 5.93701 | 1.01629 |
| 42 | NOX | 1.37886 | 1.52070 | 2.12264 | 4.56880 | 0.98712 | 1.11349 | 6.00226 | 1.02199 |
| 43 | NOX | 1.38078 | 1.52110 | 2.12320 | 4.60249 | 0.99939 | 1.12732 | 6.07685 | 1.02755 |
| 44 | NOX | 1.38261 | 1.52149 | 2.12373 | 4.63617 | 1.01325 | 1.14295 | 6.16111 | 1.03315 |
| 45 | NOX | 1.38436 | 1.52185 | 2.12424 | 4.66986 | 1.02875 | 1.16045 | 6.25541 | 1.03894 |
| 46 | NOX | 1.38603 | 1.52220 | 2.12473 | 4.70354 | 1.04598 | 1.17988 | 6.36018 | 1.04512 |
| 47 | NOX | 1.38763 | 1.52254 | 2.12520 | 4.73723 | 1.06501 | 1.20135 | 6.47589 | 1.05189 |
| 48 | NOX | 1.38916 | 1.52286 | 2.12565 | 4.77091 | 1.08593 | 1.22494 | 6.60308 | 1.05948 |
| 49 | NOX | 1.42892 | 1.57932 | 2.20446 | 4.80459 | 1.10883 | 1.25078 | 6.74233 | 1.09398 |
| 50 | NOX | 1.46868 | 1.63578 | 2.28327 | 4.83828 | 1.13383 | 1.27897 | 6.89431 | 1.12848 |
| 51 | NOX | 1.50844 | 1.69224 | 2.36208 | 4.87196 | 1.16103 | 1.30966 | 7.05973 | 1.16298 |
| 52 | NOX | 1.54820 | 1.74870 | 2.44089 | 4.90565 | 1.19058 | 1.34299 | 7.23939 | 1.19748 |
| 53 | NOX | 1.58796 | 1.80516 | 2.51970 | 4.93933 | 1.22261 | 1.37912 | 7.43417 | 1.23198 |
| 54 | NOX | 1.62772 | 1.86162 | 2.59851 | 4.97302 | 1.25729 | 1.41824 | 7.64503 | 1.26648 |
| 55 | NOX | 1.66748 | 1.91809 | 2.67732 | 5.00670 | 1.29479 | 1.46054 | 7.87306 | 1.30098 |
| 56 | NOX | 1.70724 | 1.97455 | 2.75613 | 5.04038 | 1.33530 | 1.50624 | 8.11940 | 1.33548 |
| 57 | NOX | 1.74700 | 2.03101 | 2.83494 | 5.07407 | 1.37904 | 1.55558 | 8.38535 | 1.36998 |
| 58 | NOX | 1.78676 | 2.08747 | 2.91375 | 5.10775 | 1.42624 | 1.60881 | 8.67232 | 1.40448 |
| 59 | NOX | 1.82652 | 2.14393 | 2.99256 | 5.14144 | 1.47714 | 1.66623 | 8.98185 | 1.43898 |
| 60 | NOX | 1.86628 | 2.20039 | 3.07137 | 5.17512 | 1.53204 | 1.72816 | 9.31565 | 1.47348 |
| 61 | NOX | 1.90604 | 2.25685 | 3.15018 | 5.20881 | 1.59123 | 1.79493 | 9.67559 | 1.50798 |
| 62 | NOX | 1.94580 | 2.31331 | 3.22899 | 5.24249 | 1.65506 | 1.86693 | 10.06371 | 1.54248 |
| 63 | NOX | 1.98556 | 2.36977 | 3.30780 | 5.27617 | 1.72390 | 1.94458 | 10.48228 | 1.57698 |
| 64 | NOX | 2.02532 | 2.42624 | 3.38661 | 5.30986 | 1.79815 | 2.02834 | 10.93377 | 1.61148 |
| 65 | NOX | 2.06507 | 2.48270 | 3.46542 | 5.34354 | 1.87827 | 2.11871 | 11.42092 | 1.64597 |

# Table A-55
# Victoria 2015 VOC Emission Rates
# for Time Period 3

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | VOC | 11.10907 | 12.57207 | 17.57996 | 18.44342 | 1.09706 | 1.49251 | 4.43163 | 11.19793 |
| 4 | VOC | 7.54741 | 8.57360 | 11.99660 | 13.38759 | 1.04156 | 1.41700 | 4.20741 | 9.67727 |
| 5 | VOC | 5.72633 | 6.51845 | 9.12282 | 10.75793 | 0.98973 | 1.34649 | 3.99805 | 8.55100 |
| 6 | VOC | 4.64390 | 5.29165 | 7.40541 | 9.12106 | 0.94131 | 1.28062 | 3.80246 | 7.70090 |
| 7 | VOC | 3.93521 | 4.48556 | 6.27588 | 7.97945 | 0.89605 | 1.21904 | 3.61962 | 7.04814 |
| 8 | VOC | 3.54656 | 4.02717 | 5.62865 | 7.31018 | 0.85371 | 1.16144 | 3.44860 | 6.53904 |
| 9 | VOC | 3.25307 | 3.68130 | 5.14040 | 6.75739 | 0.81409 | 1.10754 | 3.28855 | 6.13627 |
| 10 | VOC | 3.01527 | 3.40324 | 4.74852 | 6.27457 | 0.77699 | 1.05707 | 3.13870 | 5.81337 |
| 11 | VOC | 2.81797 | 3.17451 | 4.42673 | 5.84850 | 0.74224 | 1.00979 | 2.99831 | 5.55129 |
| 12 | VOC | 2.65106 | 2.98277 | 4.15751 | 5.46952 | 0.70966 | 0.96547 | 2.86672 | 5.33605 |
| 13 | VOC | 2.50752 | 2.81948 | 3.92872 | 5.13032 | 0.67912 | 0.92391 | 2.74332 | 5.15723 |
| 14 | VOC | 2.38234 | 2.67855 | 3.73171 | 4.82515 | 0.65046 | 0.88492 | 2.62754 | 5.00700 |
| 15 | VOC | 2.27185 | 2.55551 | 3.56011 | 4.54940 | 0.62355 | 0.84832 | 2.51886 | 4.87934 |
| 16 | VOC | 2.17330 | 2.44700 | 3.40917 | 4.29929 | 0.59829 | 0.81395 | 2.41681 | 4.76961 |
| 17 | VOC | 2.08457 | 2.35046 | 3.27523 | 4.07168 | 0.57455 | 0.78166 | 2.32093 | 4.67419 |
| 18 | VOC | 2.00403 | 2.26389 | 3.15547 | 3.86391 | 0.55225 | 0.75131 | 2.23082 | 4.59023 |
| 19 | VOC | 1.93040 | 2.18572 | 3.04764 | 3.67372 | 0.53127 | 0.72277 | 2.14609 | 4.51548 |
| 20 | VOC | 1.84775 | 2.09868 | 2.92573 | 3.50464 | 0.51154 | 0.69594 | 2.06640 | 4.44815 |
| 21 | VOC | 1.76988 | 2.01631 | 2.80857 | 3.35772 | 0.49298 | 0.67068 | 1.99142 | 4.38684 |
| 22 | VOC | 1.69892 | 1.94137 | 2.70201 | 3.22331 | 0.47551 | 0.64692 | 1.92085 | 4.33041 |
| 23 | VOC | 1.63398 | 1.87290 | 2.60467 | 3.10013 | 0.45907 | 0.62454 | 1.85441 | 4.27801 |
| 24 | VOC | 1.57430 | 1.81009 | 2.51540 | 2.98706 | 0.44358 | 0.60347 | 1.79185 | 4.22893 |
| 25 | VOC | 1.51925 | 1.75226 | 2.43323 | 2.88312 | 0.42899 | 0.58362 | 1.73292 | 4.18267 |
| 26 | VOC | 1.46830 | 1.69883 | 2.35734 | 2.78743 | 0.41525 | 0.56493 | 1.67740 | 4.13883 |
| 27 | VOC | 1.42098 | 1.64932 | 2.28704 | 2.69923 | 0.40230 | 0.54731 | 1.62510 | 4.09714 |
| 28 | VOC | 1.37692 | 1.60331 | 2.22171 | 2.61782 | 0.39010 | 0.53071 | 1.57581 | 4.05740 |
| 29 | VOC | 1.33577 | 1.56043 | 2.16086 | 2.54259 | 0.37860 | 0.51507 | 1.52936 | 4.01949 |
| 30 | VOC | 1.29724 | 1.52038 | 2.10403 | 2.47299 | 0.36776 | 0.50032 | 1.48558 | 3.98332 |
| 31 | VOC | 1.26108 | 1.48287 | 2.05083 | 2.40855 | 0.35755 | 0.48643 | 1.44433 | 3.94889 |
| 32 | VOC | 1.22707 | 1.44767 | 2.00092 | 2.34881 | 0.34793 | 0.47334 | 1.40546 | 3.91618 |
| 33 | VOC | 1.19501 | 1.41457 | 1.95401 | 2.29339 | 0.33886 | 0.46101 | 1.36885 | 3.88521 |
| 34 | VOC | 1.16473 | 1.38339 | 1.90983 | 2.24194 | 0.33032 | 0.44939 | 1.33435 | 3.85602 |
| 35 | VOC | 1.13608 | 1.35396 | 1.86814 | 2.19413 | 0.32228 | 0.43845 | 1.30188 | 3.82865 |
| 36 | VOC | 1.10892 | 1.32613 | 1.82873 | 2.14968 | 0.31472 | 0.42816 | 1.27131 | 3.80313 |
| 37 | VOC | 1.08312 | 1.29977 | 1.79143 | 2.10834 | 0.30760 | 0.41847 | 1.24255 | 3.77950 |
| 38 | VOC | 1.05860 | 1.27477 | 1.75607 | 2.06987 | 0.30090 | 0.40937 | 1.21552 | 3.75779 |
| 39 | VOC | 1.03523 | 1.25103 | 1.72249 | 2.03406 | 0.29462 | 0.40081 | 1.19011 | 3.73799 |
| 40 | VOC | 1.01294 | 1.22844 | 1.69056 | 2.00072 | 0.28871 | 0.39278 | 1.16627 | 3.72011 |
| 41 | VOC | 0.99166 | 1.20693 | 1.66017 | 1.96968 | 0.28318 | 0.38525 | 1.14391 | 3.70412 |
| 42 | VOC | 0.97130 | 1.18642 | 1.63120 | 1.94079 | 0.27799 | 0.37820 | 1.12296 | 3.68997 |
| 43 | VOC | 0.95180 | 1.16684 | 1.60355 | 1.91390 | 0.27314 | 0.37160 | 1.10337 | 3.67759 |
| 44 | VOC | 0.93311 | 1.14812 | 1.57713 | 1.88890 | 0.26861 | 0.36544 | 1.08507 | 3.66686 |
| 45 | VOC | 0.91517 | 1.13020 | 1.55187 | 1.86566 | 0.26439 | 0.35969 | 1.06802 | 3.65767 |
| 46 | VOC | 0.89792 | 1.11305 | 1.52768 | 1.84409 | 0.26047 | 0.35435 | 1.05216 | 3.64981 |
| 47 | VOC | 0.88134 | 1.09660 | 1.50450 | 1.82409 | 0.25682 | 0.34940 | 1.03745 | 3.64308 |
| 48 | VOC | 0.86526 | 1.08054 | 1.48187 | 1.80522 | 0.25346 | 0.34482 | 1.02385 | 3.63721 |
| 49 | VOC | 0.85958 | 1.07436 | 1.47335 | 1.78477 | 0.25035 | 0.34060 | 1.01131 | 3.63721 |
| 50 | VOC | 0.85424 | 1.06855 | 1.46533 | 1.76609 | 0.24751 | 0.33672 | 0.99981 | 3.63721 |
| 51 | VOC | 0.84921 | 1.06308 | 1.45778 | 1.74907 | 0.24491 | 0.33318 | 0.98931 | 3.63721 |
| 52 | VOC | 0.84446 | 1.05792 | 1.45066 | 1.73364 | 0.24255 | 0.32997 | 0.97978 | 3.63721 |
| 53 | VOC | 0.83998 | 1.05305 | 1.44394 | 1.71971 | 0.24042 | 0.32708 | 0.97119 | 3.63721 |
| 54 | VOC | 0.83574 | 1.04844 | 1.43759 | 1.70724 | 0.23852 | 0.32450 | 0.96353 | 3.63721 |
| 55 | VOC | 0.83174 | 1.04408 | 1.43158 | 1.69616 | 0.23685 | 0.32223 | 0.95677 | 3.63721 |
| 56 | VOC | 0.84887 | 1.06134 | 1.45661 | 1.68641 | 0.23540 | 0.32025 | 0.95089 | 3.71216 |
| 57 | VOC | 0.86619 | 1.07881 | 1.48194 | 1.67797 | 0.23416 | 0.31856 | 0.94589 | 3.78710 |
| 58 | VOC | 0.88370 | 1.09648 | 1.50754 | 1.67080 | 0.23313 | 0.31716 | 0.94173 | 3.86205 |
| 59 | VOC | 0.90138 | 1.11434 | 1.53339 | 1.66486 | 0.23231 | 0.31605 | 0.93843 | 3.93699 |
| 60 | VOC | 0.91922 | 1.13237 | 1.55949 | 1.66015 | 0.23170 | 0.31522 | 0.93595 | 4.01194 |
| 61 | VOC | 0.93721 | 1.15057 | 1.58582 | 1.65663 | 0.23129 | 0.31466 | 0.93431 | 4.08688 |
| 62 | VOC | 0.95534 | 1.16892 | 1.61235 | 1.65432 | 0.23109 | 0.31438 | 0.93348 | 4.16182 |
| 63 | VOC | 0.97360 | 1.18741 | 1.63908 | 1.65320 | 0.23109 | 0.31438 | 0.93348 | 4.23677 |
| 64 | VOC | 0.99199 | 1.20603 | 1.66599 | 1.65328 | 0.23129 | 0.31466 | 0.93431 | 4.31171 |
| 65 | VOC | 1.01049 | 1.22478 | 1.69308 | 1.65457 | 0.23170 | 0.31522 | 0.93595 | 4.38666 |

# Table A-56
# Victoria 2015 CO Emission Rates
# for Time Period 3

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 72.47105 | 77.26297 | 107.09589 | 79.93674 | 4.40297 | 4.87025 | 34.21423 | 169.36147 |
| 4 CO | 56.89558 | 61.06629 | 84.64532 | 73.03474 | 4.05783 | 4.48849 | 31.53227 | 135.06932 |
| 5 CO | 47.55031 | 51.34829 | 71.17498 | 66.87567 | 3.74656 | 4.14418 | 29.11349 | 110.31872 |
| 6 CO | 41.32013 | 44.86961 | 62.19475 | 61.37087 | 3.46547 | 3.83326 | 26.92921 | 92.05479 |
| 7 CO | 36.86999 | 40.24199 | 55.78031 | 56.44323 | 3.21131 | 3.55212 | 24.95419 | 78.30249 |
| 8 CO | 33.53239 | 36.77127 | 50.96946 | 52.02557 | 2.98121 | 3.29760 | 23.16614 | 67.75388 |
| 9 CO | 30.93649 | 34.07182 | 47.22771 | 48.05928 | 2.77264 | 3.06690 | 21.54539 | 59.52335 |
| 10 CO | 28.85976 | 31.91227 | 44.23429 | 44.49315 | 2.58335 | 2.85752 | 20.07453 | 52.99877 |
| 11 CO | 27.16062 | 30.14536 | 41.78514 | 41.28236 | 2.41138 | 2.66730 | 18.73815 | 47.74881 |
| 12 CO | 25.74467 | 28.67294 | 39.74419 | 38.38763 | 2.25495 | 2.49427 | 17.52260 | 43.46417 |
| 13 CO | 24.54655 | 27.42704 | 38.01722 | 35.77451 | 2.11251 | 2.33671 | 16.41576 | 39.91936 |
| 14 CO | 23.51960 | 26.35913 | 36.53696 | 33.41267 | 1.98268 | 2.19310 | 15.40684 | 36.94757 |
| 15 CO | 22.62958 | 25.43360 | 35.25407 | 31.27551 | 1.86421 | 2.06206 | 14.48627 | 34.42372 |
| 16 CO | 21.85080 | 24.62376 | 34.13154 | 29.33952 | 1.75602 | 1.94238 | 13.64552 | 32.25294 |
| 17 CO | 21.16365 | 23.90921 | 33.14108 | 27.58399 | 1.65712 | 1.83298 | 12.87698 | 30.36254 |
| 18 CO | 20.55285 | 23.27404 | 32.26067 | 25.99061 | 1.56663 | 1.73290 | 12.17387 | 28.69637 |
| 19 CO | 20.00634 | 22.70574 | 31.47293 | 24.54321 | 1.48379 | 1.64126 | 11.53011 | 27.21087 |
| 20 CO | 19.16320 | 21.84398 | 30.27842 | 23.22746 | 1.40789 | 1.55730 | 10.94028 | 25.87202 |
| 21 CO | 18.07238 | 20.68649 | 28.67400 | 22.03067 | 1.33830 | 1.48033 | 10.39954 | 24.65329 |
| 22 CO | 17.08073 | 19.63423 | 27.21544 | 20.94155 | 1.27447 | 1.40973 | 9.90353 | 23.53402 |
| 23 CO | 16.17531 | 18.67348 | 25.88372 | 19.95012 | 1.21589 | 1.34494 | 9.44836 | 22.49811 |
| 24 CO | 15.34534 | 17.79279 | 24.66297 | 19.04749 | 1.16212 | 1.28546 | 9.03053 | 21.53315 |
| 25 CO | 14.58177 | 16.98254 | 23.53988 | 18.22575 | 1.11276 | 1.23085 | 8.64691 | 20.62967 |
| 26 CO | 13.87693 | 16.23463 | 22.50318 | 17.47787 | 1.06742 | 1.18071 | 8.29466 | 19.78042 |
| 27 CO | 13.22431 | 15.54212 | 21.54327 | 16.79759 | 1.02581 | 1.13467 | 7.97125 | 18.98004 |
| 28 CO | 12.61830 | 14.89907 | 20.65193 | 16.17934 | 0.98761 | 1.09242 | 7.67441 | 18.22454 |
| 29 CO | 12.05408 | 14.30037 | 19.82206 | 15.61818 | 0.95256 | 1.05366 | 7.40208 | 17.51104 |
| 30 CO | 11.52748 | 13.74159 | 19.04752 | 15.10968 | 0.92043 | 1.01812 | 7.15243 | 16.83742 |
| 31 CO | 11.03485 | 13.21885 | 18.32294 | 14.64993 | 0.89101 | 0.98557 | 6.92378 | 16.20221 |
| 32 CO | 10.57301 | 12.72879 | 17.64366 | 14.23545 | 0.86410 | 0.95580 | 6.71465 | 15.60430 |
| 33 CO | 10.13916 | 12.26843 | 17.00554 | 13.86317 | 0.83952 | 0.92862 | 6.52370 | 15.04284 |
| 34 CO | 9.73084 | 11.83515 | 16.40496 | 13.53035 | 0.81713 | 0.90386 | 6.34973 | 14.51719 |
| 35 CO | 9.34584 | 11.42662 | 15.83869 | 13.23461 | 0.79679 | 0.88136 | 6.19165 | 14.02666 |
| 36 CO | 8.98223 | 11.04079 | 15.30389 | 12.97384 | 0.77837 | 0.86098 | 6.04851 | 13.57059 |
| 37 CO | 8.63829 | 10.67582 | 14.79799 | 12.74623 | 0.76176 | 0.84261 | 5.91944 | 13.14826 |
| 38 CO | 8.31244 | 10.33006 | 14.31872 | 12.55018 | 0.74686 | 0.82613 | 5.80368 | 12.75879 |
| 39 CO | 8.00330 | 10.00203 | 13.86403 | 12.38437 | 0.73359 | 0.81145 | 5.70054 | 12.40120 |
| 40 CO | 7.70962 | 9.69040 | 13.43207 | 12.24767 | 0.72187 | 0.79848 | 5.60944 | 12.07429 |
| 41 CO | 7.43026 | 9.39397 | 13.02118 | 12.13915 | 0.71163 | 0.78715 | 5.52985 | 11.77662 |
| 42 CO | 7.16421 | 9.11165 | 12.62986 | 12.05809 | 0.70281 | 0.77740 | 5.46133 | 11.50662 |
| 43 CO | 6.91053 | 8.84247 | 12.25674 | 12.00395 | 0.69536 | 0.76916 | 5.40347 | 11.26235 |
| 44 CO | 6.66838 | 8.58552 | 11.90059 | 11.97637 | 0.68925 | 0.76240 | 5.35597 | 11.04165 |
| 45 CO | 6.43700 | 8.34000 | 11.56025 | 11.97517 | 0.68444 | 0.75707 | 5.31855 | 10.84196 |
| 46 CO | 6.21567 | 8.10515 | 11.23472 | 12.00035 | 0.68089 | 0.75315 | 5.29102 | 10.66041 |
| 47 CO | 6.00376 | 7.88029 | 10.92304 | 12.05206 | 0.67860 | 0.75062 | 5.27322 | 10.49365 |
| 48 CO | 5.80068 | 7.66480 | 10.62435 | 12.13065 | 0.67755 | 0.74946 | 5.26506 | 10.33789 |
| 49 CO | 5.80068 | 7.66480 | 10.62435 | 12.23665 | 0.67773 | 0.74966 | 5.26648 | 10.33789 |
| 50 CO | 5.80068 | 7.66480 | 10.62435 | 12.37076 | 0.67915 | 0.75123 | 5.27750 | 10.33789 |
| 51 CO | 5.80068 | 7.66480 | 10.62435 | 12.53388 | 0.68181 | 0.75417 | 5.29817 | 10.33789 |
| 52 CO | 5.80068 | 7.66480 | 10.62435 | 12.72713 | 0.68573 | 0.75851 | 5.32862 | 10.33789 |
| 53 CO | 5.80068 | 7.66480 | 10.62435 | 12.95181 | 0.69093 | 0.76425 | 5.36900 | 10.33789 |
| 54 CO | 5.80068 | 7.66480 | 10.62435 | 13.20949 | 0.69743 | 0.77145 | 5.41954 | 10.33789 |
| 55 CO | 5.80068 | 7.66480 | 10.62435 | 13.50197 | 0.70528 | 0.78013 | 5.48053 | 10.33789 |
| 56 CO | 6.33181 | 8.28389 | 11.48248 | 13.83132 | 0.71452 | 0.79035 | 5.55230 | 12.82756 |
| 57 CO | 6.86294 | 8.90298 | 12.34062 | 14.19991 | 0.72519 | 0.80215 | 5.63525 | 15.31723 |
| 58 CO | 7.39406 | 9.52208 | 13.19876 | 14.61043 | 0.73737 | 0.81562 | 5.72986 | 17.80689 |
| 59 CO | 7.92519 | 10.14117 | 14.05689 | 15.06592 | 0.75111 | 0.83083 | 5.83668 | 20.29656 |
| 60 CO | 8.45632 | 10.76026 | 14.91503 | 15.56984 | 0.76651 | 0.84786 | 5.95631 | 22.78623 |
| 61 CO | 8.98744 | 11.37935 | 15.77317 | 16.12604 | 0.78364 | 0.86681 | 6.08947 | 25.27589 |
| 62 CO | 9.51857 | 11.99844 | 16.63131 | 16.73890 | 0.80262 | 0.88780 | 6.23695 | 27.76556 |
| 63 CO | 10.04969 | 12.61753 | 17.48944 | 17.41332 | 0.82356 | 0.91096 | 6.39964 | 30.25523 |
| 64 CO | 10.58082 | 13.23663 | 18.34758 | 18.15481 | 0.84658 | 0.93643 | 6.57853 | 32.74489 |
| 65 CO | 11.11195 | 13.85572 | 19.20572 | 18.96956 | 0.87183 | 0.96436 | 6.77474 | 35.23456 |

# Table A-57
# Victoria 2015 NOX Emission Rates
# for Time Period 3

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 1.81149 | 2.13086 | 2.97441 | 3.25984 | 1.84594 | 2.08224 | 11.22436 | 0.81670 |
| 4 | NOX | 1.65575 | 1.94767 | 2.71870 | 3.29357 | 1.76819 | 1.99454 | 10.75162 | 0.78116 |
| 5 | NOX | 1.56231 | 1.83776 | 2.56527 | 3.32730 | 1.69613 | 1.91325 | 10.31342 | 0.75167 |
| 6 | NOX | 1.50002 | 1.76448 | 2.46299 | 3.36104 | 1.62931 | 1.83789 | 9.90715 | 0.72776 |
| 7 | NOX | 1.45552 | 1.71214 | 2.38993 | 3.39477 | 1.56735 | 1.76799 | 9.53040 | 0.70899 |
| 8 | NOX | 1.42215 | 1.67288 | 2.33513 | 3.42850 | 1.50989 | 1.70318 | 9.18100 | 0.69492 |
| 9 | NOX | 1.39620 | 1.64235 | 2.29251 | 3.46223 | 1.45661 | 1.64307 | 8.85699 | 0.68514 |
| 10 | NOX | 1.37543 | 1.61793 | 2.25842 | 3.49597 | 1.40720 | 1.58733 | 8.55654 | 0.67926 |
| 11 | NOX | 1.35844 | 1.59794 | 2.23052 | 3.52970 | 1.36139 | 1.53567 | 8.27804 | 0.67689 |
| 12 | NOX | 1.34428 | 1.58129 | 2.20728 | 3.56343 | 1.31895 | 1.48780 | 8.01998 | 0.67766 |
| 13 | NOX | 1.33230 | 1.56720 | 2.18760 | 3.59717 | 1.27965 | 1.44346 | 7.78101 | 0.68122 |
| 14 | NOX | 1.32204 | 1.55512 | 2.17074 | 3.63090 | 1.24329 | 1.40244 | 7.55989 | 0.68725 |
| 15 | NOX | 1.31314 | 1.54465 | 2.15613 | 3.66463 | 1.20967 | 1.36452 | 7.35549 | 0.69542 |
| 16 | NOX | 1.30535 | 1.53549 | 2.14335 | 3.69837 | 1.17864 | 1.32952 | 7.16678 | 0.70543 |
| 17 | NOX | 1.29848 | 1.52741 | 2.13207 | 3.73210 | 1.15003 | 1.29725 | 6.99284 | 0.71700 |
| 18 | NOX | 1.29237 | 1.52022 | 2.12204 | 3.76583 | 1.12371 | 1.26756 | 6.83281 | 0.72986 |
| 19 | NOX | 1.28691 | 1.51380 | 2.11307 | 3.79956 | 1.09956 | 1.24032 | 6.68594 | 0.74376 |
| 20 | NOX | 1.28995 | 1.50378 | 2.09909 | 3.83330 | 1.07745 | 1.21538 | 6.55152 | 0.75846 |
| 21 | NOX | 1.29820 | 1.50551 | 2.10150 | 3.86703 | 1.05729 | 1.19264 | 6.42892 | 0.77375 |
| 22 | NOX | 1.30570 | 1.50708 | 2.10369 | 3.90076 | 1.03898 | 1.17198 | 6.31758 | 0.78941 |
| 23 | NOX | 1.31255 | 1.50851 | 2.10569 | 3.93450 | 1.02244 | 1.15332 | 6.21699 | 0.80527 |
| 24 | NOX | 1.31883 | 1.50982 | 2.10752 | 3.96823 | 1.00759 | 1.13657 | 6.12670 | 0.82115 |
| 25 | NOX | 1.32460 | 1.51103 | 2.10921 | 4.00196 | 0.99436 | 1.12166 | 6.04630 | 0.83690 |
| 26 | NOX | 1.32993 | 1.51215 | 2.11076 | 4.03570 | 0.98271 | 1.10851 | 5.97543 | 0.85237 |
| 27 | NOX | 1.33487 | 1.51318 | 2.11220 | 4.06943 | 0.97257 | 1.09707 | 5.91379 | 0.86746 |
| 28 | NOX | 1.33946 | 1.51414 | 2.11354 | 4.10316 | 0.96391 | 1.08730 | 5.86109 | 0.88205 |
| 29 | NOX | 1.34372 | 1.51503 | 2.11479 | 4.13690 | 0.95668 | 1.07914 | 5.81713 | 0.89605 |
| 30 | NOX | 1.34771 | 1.51586 | 2.11595 | 4.17063 | 0.95085 | 1.07257 | 5.78169 | 0.90939 |
| 31 | NOX | 1.35143 | 1.51664 | 2.11704 | 4.20436 | 0.94640 | 1.06755 | 5.75464 | 0.92201 |
| 32 | NOX | 1.35493 | 1.51737 | 2.11806 | 4.23809 | 0.94331 | 1.06406 | 5.73585 | 0.93388 |
| 33 | NOX | 1.35821 | 1.51806 | 2.11901 | 4.27183 | 0.94157 | 1.06210 | 5.72525 | 0.94496 |
| 34 | NOX | 1.36130 | 1.51870 | 2.11992 | 4.30556 | 0.94116 | 1.06164 | 5.72279 | 0.95526 |
| 35 | NOX | 1.36421 | 1.51931 | 2.12077 | 4.33929 | 0.94209 | 1.06269 | 5.72846 | 0.96477 |
| 36 | NOX | 1.36696 | 1.51989 | 2.12157 | 4.37303 | 0.94437 | 1.06526 | 5.74228 | 0.97353 |
| 37 | NOX | 1.36956 | 1.52043 | 2.12233 | 4.40676 | 0.94799 | 1.06934 | 5.76431 | 0.98157 |
| 38 | NOX | 1.37203 | 1.52095 | 2.12305 | 4.44049 | 0.95298 | 1.07497 | 5.79466 | 0.98896 |
| 39 | NOX | 1.37436 | 1.52144 | 2.12373 | 4.47423 | 0.95936 | 1.08217 | 5.83344 | 0.99576 |
| 40 | NOX | 1.37659 | 1.52190 | 2.12438 | 4.50796 | 0.96715 | 1.09096 | 5.88082 | 1.00206 |
| 41 | NOX | 1.37870 | 1.52234 | 2.12500 | 4.54169 | 0.97639 | 1.10138 | 5.93701 | 1.00798 |
| 42 | NOX | 1.38071 | 1.52276 | 2.12558 | 4.57542 | 0.98712 | 1.11349 | 6.00226 | 1.01363 |
| 43 | NOX | 1.38263 | 1.52317 | 2.12614 | 4.60916 | 0.99939 | 1.12732 | 6.07685 | 1.01915 |
| 44 | NOX | 1.38446 | 1.52355 | 2.12668 | 4.64289 | 1.01325 | 1.14295 | 6.16111 | 1.02470 |
| 45 | NOX | 1.38621 | 1.52391 | 2.12719 | 4.67662 | 1.02875 | 1.16045 | 6.25541 | 1.03044 |
| 46 | NOX | 1.38789 | 1.52426 | 2.12768 | 4.71036 | 1.04598 | 1.17988 | 6.36018 | 1.03657 |
| 47 | NOX | 1.38949 | 1.52460 | 2.12815 | 4.74409 | 1.06501 | 1.20135 | 6.47589 | 1.04329 |
| 48 | NOX | 1.39103 | 1.52492 | 2.12859 | 4.77782 | 1.08593 | 1.22494 | 6.60308 | 1.05082 |
| 49 | NOX | 1.43084 | 1.58146 | 2.20751 | 4.81156 | 1.10883 | 1.25078 | 6.74233 | 1.08504 |
| 50 | NOX | 1.47065 | 1.63800 | 2.28643 | 4.84529 | 1.13383 | 1.27897 | 6.89431 | 1.11926 |
| 51 | NOX | 1.51046 | 1.69453 | 2.36535 | 4.87902 | 1.16103 | 1.30966 | 7.05973 | 1.15347 |
| 52 | NOX | 1.55028 | 1.75107 | 2.44427 | 4.91275 | 1.19058 | 1.34299 | 7.23939 | 1.18769 |
| 53 | NOX | 1.59009 | 1.80761 | 2.52319 | 4.94649 | 1.22261 | 1.37912 | 7.43417 | 1.22191 |
| 54 | NOX | 1.62990 | 1.86415 | 2.60211 | 4.98022 | 1.25729 | 1.41824 | 7.64503 | 1.25613 |
| 55 | NOX | 1.66971 | 1.92068 | 2.68103 | 5.01395 | 1.29479 | 1.46054 | 7.87306 | 1.29034 |
| 56 | NOX | 1.70953 | 1.97722 | 2.75995 | 5.04769 | 1.33530 | 1.50624 | 8.11940 | 1.32456 |
| 57 | NOX | 1.74934 | 2.03376 | 2.83887 | 5.08142 | 1.37904 | 1.55558 | 8.38535 | 1.35878 |
| 58 | NOX | 1.78915 | 2.09030 | 2.91779 | 5.11515 | 1.42624 | 1.60881 | 8.67232 | 1.39300 |
| 59 | NOX | 1.82897 | 2.14684 | 2.99671 | 5.14889 | 1.47714 | 1.66623 | 8.98185 | 1.42721 |
| 60 | NOX | 1.86878 | 2.20337 | 3.07563 | 5.18262 | 1.53204 | 1.72816 | 9.31565 | 1.46143 |
| 61 | NOX | 1.90859 | 2.25991 | 3.15455 | 5.21635 | 1.59123 | 1.79493 | 9.67559 | 1.49565 |
| 62 | NOX | 1.94840 | 2.31645 | 3.23347 | 5.25009 | 1.65506 | 1.86693 | 10.06371 | 1.52986 |
| 63 | NOX | 1.98822 | 2.37299 | 3.31238 | 5.28382 | 1.72390 | 1.94458 | 10.48228 | 1.56408 |
| 64 | NOX | 2.02803 | 2.42952 | 3.39130 | 5.31755 | 1.79815 | 2.02834 | 10.93377 | 1.59830 |
| 65 | NOX | 2.06784 | 2.48606 | 3.47022 | 5.35128 | 1.87827 | 2.11871 | 11.42092 | 1.63252 |

# Table A-58
# Victoria 2015 VOC Emission Rates
# for Time Period 4

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 VOC | 8.51203 | 10.16920 | 14.19217 | 13.22126 | 1.09706 | 1.49251 | 4.43163 | 10.13553 |
| 4 VOC | 5.99993 | 7.21066 | 10.07327 | 10.13867 | 1.04156 | 1.41700 | 4.20741 | 8.60033 |
| 5 VOC | 4.67745 | 5.63540 | 7.87674 | 8.44648 | 0.98973 | 1.34649 | 3.99805 | 7.46328 |
| 6 VOC | 3.87279 | 4.66849 | 6.52689 | 7.33423 | 0.94131 | 1.28062 | 3.80246 | 6.60505 |
| 7 VOC | 3.33574 | 4.01863 | 5.61880 | 6.51949 | 0.89605 | 1.21904 | 3.61962 | 5.94605 |
| 8 VOC | 3.01454 | 3.61994 | 5.05665 | 5.98635 | 0.85371 | 1.16144 | 3.44860 | 5.43208 |
| 9 VOC | 2.77035 | 3.31520 | 4.62738 | 5.53442 | 0.81409 | 1.10754 | 3.28855 | 5.02545 |
| 10 VOC | 2.57391 | 3.06948 | 4.28214 | 5.13594 | 0.77699 | 1.05707 | 3.13870 | 4.69947 |
| 11 VOC | 2.41218 | 2.86668 | 3.99802 | 4.78191 | 0.74224 | 1.00979 | 2.99831 | 4.43488 |
| 12 VOC | 2.27650 | 2.69607 | 3.75974 | 4.46558 | 0.70966 | 0.96547 | 2.86672 | 4.21757 |
| 13 VOC | 2.16085 | 2.55022 | 3.55672 | 4.18161 | 0.67912 | 0.92391 | 2.74332 | 4.03705 |
| 14 VOC | 2.06093 | 2.42383 | 3.38141 | 3.92575 | 0.65046 | 0.88492 | 2.62754 | 3.88538 |
| 15 VOC | 1.97361 | 2.31300 | 3.22826 | 3.69445 | 0.62355 | 0.84832 | 2.51886 | 3.75649 |
| 16 VOC | 1.89651 | 2.21482 | 3.09312 | 3.48478 | 0.59829 | 0.81395 | 2.41681 | 3.64571 |
| 17 VOC | 1.82785 | 2.12705 | 2.97280 | 3.29423 | 0.57455 | 0.78166 | 2.32093 | 3.54938 |
| 18 VOC | 1.76620 | 2.04796 | 2.86485 | 3.12067 | 0.55225 | 0.75131 | 2.23082 | 3.46462 |
| 19 VOC | 1.71046 | 1.97619 | 2.76730 | 2.96224 | 0.53127 | 0.72277 | 2.14609 | 3.38916 |
| 20 VOC | 1.64157 | 1.89590 | 2.65566 | 2.81924 | 0.51154 | 0.69594 | 2.06640 | 3.32119 |
| 21 VOC | 1.57162 | 1.82126 | 2.54935 | 2.69122 | 0.49298 | 0.67068 | 1.99142 | 3.25928 |
| 22 VOC | 1.50794 | 1.75334 | 2.45265 | 2.57409 | 0.47551 | 0.64692 | 1.92085 | 3.20232 |
| 23 VOC | 1.44973 | 1.69129 | 2.36431 | 2.46680 | 0.45907 | 0.62454 | 1.85441 | 3.14941 |
| 24 VOC | 1.39629 | 1.63437 | 2.28329 | 2.36836 | 0.44358 | 0.60347 | 1.79185 | 3.09987 |
| 25 VOC | 1.34705 | 1.58195 | 2.20871 | 2.27795 | 0.42899 | 0.58362 | 1.73292 | 3.05316 |
| 26 VOC | 1.30153 | 1.53352 | 2.13984 | 2.19480 | 0.41525 | 0.56493 | 1.67740 | 3.00891 |
| 27 VOC | 1.25931 | 1.48864 | 2.07602 | 2.11826 | 0.40230 | 0.54731 | 1.62510 | 2.96682 |
| 28 VOC | 1.22005 | 1.44693 | 2.01673 | 2.04771 | 0.39010 | 0.53071 | 1.57581 | 2.92670 |
| 29 VOC | 1.18343 | 1.40806 | 1.96149 | 1.98263 | 0.37860 | 0.51507 | 1.52936 | 2.88842 |
| 30 VOC | 1.14919 | 1.37174 | 1.90990 | 1.92253 | 0.36776 | 0.50032 | 1.48558 | 2.85191 |
| 31 VOC | 1.11710 | 1.33773 | 1.86160 | 1.86700 | 0.35755 | 0.48643 | 1.44433 | 2.81715 |
| 32 VOC | 1.08696 | 1.30581 | 1.81629 | 1.81564 | 0.34793 | 0.47334 | 1.40546 | 2.78412 |
| 33 VOC | 1.05859 | 1.27580 | 1.77370 | 1.76811 | 0.33886 | 0.46101 | 1.36885 | 2.75286 |
| 34 VOC | 1.03183 | 1.24752 | 1.73358 | 1.72410 | 0.33032 | 0.44939 | 1.33435 | 2.72339 |
| 35 VOC | 1.00656 | 1.22082 | 1.69573 | 1.68332 | 0.32228 | 0.43845 | 1.30188 | 2.69576 |
| 36 VOC | 0.98263 | 1.19557 | 1.65995 | 1.64554 | 0.31472 | 0.42816 | 1.27131 | 2.67000 |
| 37 VOC | 0.95995 | 1.17166 | 1.62607 | 1.61051 | 0.30760 | 0.41847 | 1.24255 | 2.64614 |
| 38 VOC | 0.93842 | 1.14898 | 1.59395 | 1.57803 | 0.30090 | 0.40937 | 1.21552 | 2.62422 |
| 39 VOC | 0.91794 | 1.12744 | 1.56346 | 1.54792 | 0.29462 | 0.40081 | 1.19011 | 2.60423 |
| 40 VOC | 0.89845 | 1.10695 | 1.53446 | 1.52001 | 0.28871 | 0.39278 | 1.16627 | 2.58618 |
| 41 VOC | 0.87985 | 1.08742 | 1.50685 | 1.49414 | 0.28318 | 0.38525 | 1.14391 | 2.57003 |
| 42 VOC | 0.86211 | 1.06881 | 1.48053 | 1.47019 | 0.27799 | 0.37820 | 1.12296 | 2.55575 |
| 43 VOC | 0.84514 | 1.05103 | 1.45541 | 1.44802 | 0.27314 | 0.37160 | 1.10337 | 2.54325 |
| 44 VOC | 0.82890 | 1.03404 | 1.43142 | 1.42753 | 0.26861 | 0.36544 | 1.08507 | 2.53242 |
| 45 VOC | 0.81335 | 1.01777 | 1.40846 | 1.40861 | 0.26439 | 0.35969 | 1.06802 | 2.52314 |
| 46 VOC | 0.79843 | 1.00220 | 1.38648 | 1.39118 | 0.26047 | 0.35435 | 1.05216 | 2.51521 |
| 47 VOC | 0.78411 | 0.98726 | 1.36542 | 1.37515 | 0.25682 | 0.34940 | 1.03745 | 2.50842 |
| 48 VOC | 0.77026 | 0.97278 | 1.34500 | 1.36023 | 0.25346 | 0.34482 | 1.02385 | 2.50249 |
| 49 VOC | 0.76691 | 0.96916 | 1.34005 | 1.34475 | 0.25035 | 0.34060 | 1.01131 | 2.50249 |
| 50 VOC | 0.76376 | 0.96576 | 1.33540 | 1.33071 | 0.24751 | 0.33672 | 0.99981 | 2.50249 |
| 51 VOC | 0.76079 | 0.96255 | 1.33102 | 1.31804 | 0.24491 | 0.33318 | 0.98931 | 2.50249 |
| 52 VOC | 0.75799 | 0.95953 | 1.32689 | 1.30668 | 0.24255 | 0.32997 | 0.97978 | 2.50249 |
| 53 VOC | 0.75534 | 0.95667 | 1.32299 | 1.29657 | 0.24042 | 0.32708 | 0.97119 | 2.50249 |
| 54 VOC | 0.75284 | 0.95397 | 1.31930 | 1.28767 | 0.23852 | 0.32450 | 0.96353 | 2.50249 |
| 55 VOC | 0.75047 | 0.95141 | 1.31581 | 1.27994 | 0.23685 | 0.32223 | 0.95677 | 2.50249 |
| 56 VOC | 0.76901 | 0.97022 | 1.34299 | 1.27333 | 0.23540 | 0.32025 | 0.95089 | 2.57815 |
| 57 VOC | 0.78766 | 0.98916 | 1.37034 | 1.26783 | 0.23416 | 0.31856 | 0.94589 | 2.65381 |
| 58 VOC | 0.80642 | 1.00821 | 1.39786 | 1.26341 | 0.23313 | 0.31716 | 0.94173 | 2.72947 |
| 59 VOC | 0.82527 | 1.02737 | 1.42552 | 1.26004 | 0.23231 | 0.31605 | 0.93843 | 2.80513 |
| 60 VOC | 0.84423 | 1.04663 | 1.45333 | 1.25773 | 0.23170 | 0.31522 | 0.93595 | 2.88080 |
| 61 VOC | 0.86327 | 1.06599 | 1.48126 | 1.25647 | 0.23129 | 0.31466 | 0.93431 | 2.95646 |
| 62 VOC | 0.88239 | 1.08543 | 1.50932 | 1.25624 | 0.23109 | 0.31438 | 0.93348 | 3.03212 |
| 63 VOC | 0.90160 | 1.10496 | 1.53749 | 1.25706 | 0.23109 | 0.31438 | 0.93348 | 3.10778 |
| 64 VOC | 0.92087 | 1.12457 | 1.56576 | 1.25895 | 0.23129 | 0.31466 | 0.93431 | 3.18344 |
| 65 VOC | 0.94021 | 1.14425 | 1.59414 | 1.26190 | 0.23170 | 0.31522 | 0.93595 | 3.25910 |

# Table A-59
# Victoria 2015 CO Emission Rates
# for Time Period 4

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| 3 CO | 71.28481 | 76.00851 | 105.38741 | 70.96711 | 4.40297 | 4.87025 | 34.21423 | 140.47540 |
| 4 CO | 55.96429 | 60.07481 | 83.29500 | 64.83958 | 4.05783 | 4.48849 | 31.53227 | 112.03207 |
| 5 CO | 46.77199 | 50.51459 | 70.03955 | 59.37163 | 3.74656 | 4.14418 | 29.11349 | 91.50290 |
| 6 CO | 40.64378 | 44.14110 | 61.20258 | 54.48450 | 3.46547 | 3.83326 | 26.92921 | 76.35404 |
| 7 CO | 36.26649 | 39.58862 | 54.89045 | 50.10979 | 3.21131 | 3.55212 | 24.95419 | 64.94732 |
| 8 CO | 32.98353 | 36.17425 | 50.15636 | 46.18783 | 2.98121 | 3.29760 | 23.16614 | 56.19786 |
| 9 CO | 30.43011 | 33.51863 | 46.47430 | 42.66660 | 2.77264 | 3.06690 | 21.54539 | 49.37113 |
| 10 CO | 28.38737 | 31.39414 | 43.52864 | 39.50063 | 2.58335 | 2.85752 | 20.07453 | 43.95937 |
| 11 CO | 26.71605 | 29.65592 | 41.11856 | 36.65011 | 2.41138 | 2.66730 | 18.73815 | 39.60484 |
| 12 CO | 25.32327 | 28.20740 | 39.11016 | 34.08020 | 2.25495 | 2.49427 | 17.52260 | 36.05098 |
| 13 CO | 24.14477 | 26.98173 | 37.41074 | 31.76028 | 2.11251 | 2.33671 | 16.41576 | 33.11077 |
| 14 CO | 23.13462 | 25.93116 | 35.95410 | 29.66348 | 1.98268 | 2.19310 | 15.40684 | 30.64584 |
| 15 CO | 22.25917 | 25.02066 | 34.69167 | 27.76612 | 1.86421 | 2.06206 | 14.48627 | 28.55246 |
| 16 CO | 21.49314 | 24.22397 | 33.58705 | 26.04736 | 1.75602 | 1.94238 | 13.64552 | 26.75192 |
| 17 CO | 20.81723 | 23.52102 | 32.61238 | 24.48882 | 1.65712 | 1.83298 | 12.87698 | 25.18394 |
| 18 CO | 20.21643 | 22.89617 | 31.74602 | 23.07423 | 1.56663 | 1.73290 | 12.17387 | 23.80196 |
| 19 CO | 19.67887 | 22.33708 | 30.97084 | 21.78925 | 1.48379 | 1.64126 | 11.53011 | 22.56982 |
| 20 CO | 18.84953 | 21.48932 | 29.79539 | 20.62113 | 1.40789 | 1.55730 | 10.94028 | 21.45932 |
| 21 CO | 17.77657 | 20.35062 | 28.21657 | 19.55863 | 1.33830 | 1.48033 | 10.39954 | 20.44845 |
| 22 CO | 16.80115 | 19.31545 | 26.78128 | 18.59172 | 1.27447 | 1.40973 | 9.90353 | 19.52009 |
| 23 CO | 15.91055 | 18.37029 | 25.47080 | 17.71154 | 1.21589 | 1.34494 | 9.44836 | 18.66086 |
| 24 CO | 15.09416 | 17.50389 | 24.26953 | 16.91019 | 1.16212 | 1.28546 | 9.03053 | 17.86049 |
| 25 CO | 14.34309 | 16.70681 | 23.16435 | 16.18066 | 1.11276 | 1.23085 | 8.64691 | 17.11110 |
| 26 CO | 13.64979 | 15.97104 | 22.14419 | 15.51669 | 1.06742 | 1.18071 | 8.29466 | 16.40670 |
| 27 CO | 13.00784 | 15.28977 | 21.19960 | 14.91275 | 1.02581 | 1.13467 | 7.97125 | 15.74283 |
| 28 CO | 12.41175 | 14.65717 | 20.32248 | 14.36388 | 0.98761 | 1.09242 | 7.67441 | 15.11619 |
| 29 CO | 11.85677 | 14.06819 | 19.50585 | 13.86568 | 0.95256 | 1.05366 | 7.40208 | 14.52438 |
| 30 CO | 11.33879 | 13.51848 | 18.74366 | 13.41424 | 0.92043 | 1.01812 | 7.15243 | 13.96566 |
| 31 CO | 10.85423 | 13.00423 | 18.03064 | 13.00607 | 0.89101 | 0.98557 | 6.92378 | 13.43878 |
| 32 CO | 10.39995 | 12.52212 | 17.36219 | 12.63811 | 0.86410 | 0.95580 | 6.71465 | 12.94285 |
| 33 CO | 9.97320 | 12.06924 | 16.73425 | 12.30759 | 0.83952 | 0.92862 | 6.52370 | 12.47716 |
| 34 CO | 9.57156 | 11.64299 | 16.14325 | 12.01213 | 0.81713 | 0.90386 | 6.34973 | 12.04116 |
| 35 CO | 9.19287 | 11.24110 | 15.58602 | 11.74957 | 0.79679 | 0.88136 | 6.19165 | 11.63429 |
| 36 CO | 8.83521 | 10.86153 | 15.05975 | 11.51806 | 0.77837 | 0.86098 | 6.04851 | 11.25600 |
| 37 CO | 8.49689 | 10.50249 | 14.56192 | 11.31599 | 0.76176 | 0.84261 | 5.91944 | 10.90571 |
| 38 CO | 8.17637 | 10.16234 | 14.09030 | 11.14194 | 0.74686 | 0.82613 | 5.80368 | 10.58267 |
| 39 CO | 7.87230 | 9.83963 | 13.64286 | 10.99474 | 0.73359 | 0.81145 | 5.70054 | 10.28607 |
| 40 CO | 7.58342 | 9.53306 | 13.21779 | 10.87337 | 0.72187 | 0.79848 | 5.60944 | 10.01491 |
| 41 CO | 7.30864 | 9.24145 | 12.81346 | 10.77703 | 0.71163 | 0.78715 | 5.52985 | 9.76801 |
| 42 CO | 7.04694 | 8.96371 | 12.42838 | 10.70506 | 0.70281 | 0.77740 | 5.46133 | 9.54406 |
| 43 CO | 6.79741 | 8.69890 | 12.06121 | 10.65700 | 0.69536 | 0.76916 | 5.40347 | 9.34146 |
| 44 CO | 6.55923 | 8.44613 | 11.71074 | 10.63251 | 0.68925 | 0.76240 | 5.35597 | 9.15840 |
| 45 CO | 6.33163 | 8.20459 | 11.37584 | 10.63145 | 0.68444 | 0.75707 | 5.31855 | 8.99277 |
| 46 CO | 6.11393 | 7.97355 | 11.05550 | 10.65380 | 0.68089 | 0.75315 | 5.29102 | 8.84219 |
| 47 CO | 5.90549 | 7.75234 | 10.74879 | 10.69971 | 0.67860 | 0.75062 | 5.27322 | 8.70386 |
| 48 CO | 5.70574 | 7.54035 | 10.45486 | 10.76948 | 0.67755 | 0.74946 | 5.26506 | 8.57468 |
| 49 CO | 5.70574 | 7.54035 | 10.45486 | 10.86359 | 0.67773 | 0.74966 | 5.26648 | 8.57468 |
| 50 CO | 5.70574 | 7.54035 | 10.45486 | 10.98265 | 0.67915 | 0.75123 | 5.27750 | 8.57468 |
| 51 CO | 5.70574 | 7.54035 | 10.45486 | 11.12747 | 0.68181 | 0.75417 | 5.29817 | 8.57468 |
| 52 CO | 5.70574 | 7.54035 | 10.45486 | 11.29903 | 0.68573 | 0.75851 | 5.32862 | 8.57468 |
| 53 CO | 5.70574 | 7.54035 | 10.45486 | 11.49850 | 0.69093 | 0.76425 | 5.36900 | 8.57468 |
| 54 CO | 5.70574 | 7.54035 | 10.45486 | 11.72727 | 0.69743 | 0.77145 | 5.41954 | 8.57468 |
| 55 CO | 5.70574 | 7.54035 | 10.45486 | 11.98693 | 0.70528 | 0.78013 | 5.48053 | 8.57468 |
| 56 CO | 6.22817 | 8.14939 | 11.29931 | 12.27932 | 0.71452 | 0.79035 | 5.55230 | 10.63971 |
| 57 CO | 6.75060 | 8.75843 | 12.14375 | 12.60655 | 0.72519 | 0.80215 | 5.63525 | 12.70474 |
| 58 CO | 7.27304 | 9.36747 | 12.98820 | 12.97101 | 0.73737 | 0.81562 | 5.72986 | 14.76977 |
| 59 CO | 7.79547 | 9.97651 | 13.83265 | 13.37539 | 0.75111 | 0.83083 | 5.83668 | 16.83480 |
| 60 CO | 8.31790 | 10.58555 | 14.67710 | 13.82276 | 0.76651 | 0.84786 | 5.95631 | 18.89984 |
| 61 CO | 8.84033 | 11.19459 | 15.52154 | 14.31656 | 0.78364 | 0.86681 | 6.08947 | 20.96487 |
| 62 CO | 9.36277 | 11.80364 | 16.36599 | 14.86065 | 0.80262 | 0.88780 | 6.23695 | 23.02990 |
| 63 CO | 9.88520 | 12.41267 | 17.21044 | 15.45939 | 0.82356 | 0.91096 | 6.39964 | 25.09493 |
| 64 CO | 10.40763 | 13.02172 | 18.05488 | 16.11767 | 0.84658 | 0.93643 | 6.57853 | 27.15997 |
| 65 CO | 10.93006 | 13.63076 | 18.89933 | 16.84100 | 0.87183 | 0.96436 | 6.77474 | 29.22500 |

# Table A-60
# Victoria 2015 NOX Emission Rates
# for Time Period 4

| | | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|---|
| 3 | NOX | 1.78656 | 2.10121 | 2.93205 | 3.21087 | 1.84594 | 2.08224 | 11.22436 | 0.89063 |
| 4 | NOX | 1.63297 | 1.92057 | 2.67998 | 3.24409 | 1.76819 | 1.99454 | 10.75162 | 0.85187 |
| 5 | NOX | 1.54081 | 1.81218 | 2.52874 | 3.27732 | 1.69613 | 1.91325 | 10.31342 | 0.81971 |
| 6 | NOX | 1.47938 | 1.73993 | 2.42791 | 3.31054 | 1.62931 | 1.83789 | 9.90715 | 0.79364 |
| 7 | NOX | 1.43549 | 1.68832 | 2.35589 | 3.34377 | 1.56735 | 1.76799 | 9.53040 | 0.77317 |
| 8 | NOX | 1.40258 | 1.64961 | 2.30188 | 3.37700 | 1.50989 | 1.70318 | 9.18100 | 0.75783 |
| 9 | NOX | 1.37698 | 1.61950 | 2.25987 | 3.41022 | 1.45661 | 1.64307 | 8.85699 | 0.74717 |
| 10 | NOX | 1.35650 | 1.59541 | 2.22626 | 3.44345 | 1.40720 | 1.58733 | 8.55654 | 0.74075 |
| 11 | NOX | 1.33975 | 1.57571 | 2.19876 | 3.47668 | 1.36139 | 1.53567 | 8.27804 | 0.73817 |
| 12 | NOX | 1.32579 | 1.55929 | 2.17584 | 3.50990 | 1.31895 | 1.48780 | 8.01998 | 0.73901 |
| 13 | NOX | 1.31397 | 1.54539 | 2.15645 | 3.54313 | 1.27965 | 1.44346 | 7.78101 | 0.74289 |
| 14 | NOX | 1.30384 | 1.53348 | 2.13983 | 3.57635 | 1.24329 | 1.40244 | 7.55989 | 0.74946 |
| 15 | NOX | 1.29507 | 1.52316 | 2.12543 | 3.60958 | 1.20967 | 1.36452 | 7.35549 | 0.75837 |
| 16 | NOX | 1.28739 | 1.51412 | 2.11282 | 3.64281 | 1.17864 | 1.32952 | 7.16678 | 0.76929 |
| 17 | NOX | 1.28061 | 1.50615 | 2.10170 | 3.67603 | 1.15003 | 1.29725 | 6.99284 | 0.78191 |
| 18 | NOX | 1.27459 | 1.49907 | 2.09182 | 3.70926 | 1.12371 | 1.26756 | 6.83281 | 0.79594 |
| 19 | NOX | 1.26920 | 1.49273 | 2.08297 | 3.74249 | 1.09956 | 1.24032 | 6.68594 | 0.81109 |
| 20 | NOX | 1.27220 | 1.48286 | 2.06920 | 3.77571 | 1.07745 | 1.21538 | 6.55152 | 0.82713 |
| 21 | NOX | 1.28033 | 1.48456 | 2.07157 | 3.80894 | 1.05729 | 1.19264 | 6.42892 | 0.84380 |
| 22 | NOX | 1.28773 | 1.48611 | 2.07373 | 3.84216 | 1.03898 | 1.17198 | 6.31758 | 0.86088 |
| 23 | NOX | 1.29449 | 1.48752 | 2.07570 | 3.87539 | 1.02244 | 1.15332 | 6.21699 | 0.87817 |
| 24 | NOX | 1.30068 | 1.48881 | 2.07751 | 3.90862 | 1.00759 | 1.13657 | 6.12670 | 0.89549 |
| 25 | NOX | 1.30638 | 1.49001 | 2.07917 | 3.94184 | 0.99436 | 1.12166 | 6.04630 | 0.91266 |
| 26 | NOX | 1.31163 | 1.49110 | 2.08070 | 3.97507 | 0.98271 | 1.10851 | 5.97543 | 0.92954 |
| 27 | NOX | 1.31650 | 1.49212 | 2.08212 | 4.00830 | 0.97257 | 1.09707 | 5.91379 | 0.94599 |
| 28 | NOX | 1.32102 | 1.49307 | 2.08344 | 4.04152 | 0.96391 | 1.08730 | 5.86109 | 0.96190 |
| 29 | NOX | 1.32523 | 1.49395 | 2.08467 | 4.07475 | 0.95668 | 1.07914 | 5.81713 | 0.97717 |
| 30 | NOX | 1.32916 | 1.49477 | 2.08582 | 4.10798 | 0.95085 | 1.07257 | 5.78169 | 0.99171 |
| 31 | NOX | 1.33284 | 1.49554 | 2.08689 | 4.14120 | 0.94640 | 1.06755 | 5.75464 | 1.00548 |
| 32 | NOX | 1.33628 | 1.49626 | 2.08789 | 4.17443 | 0.94331 | 1.06406 | 5.73585 | 1.01842 |
| 33 | NOX | 1.33952 | 1.49694 | 2.08884 | 4.20765 | 0.94157 | 1.06210 | 5.72525 | 1.03051 |
| 34 | NOX | 1.34256 | 1.49757 | 2.08973 | 4.24088 | 0.94116 | 1.06164 | 5.72279 | 1.04174 |
| 35 | NOX | 1.34544 | 1.49817 | 2.09057 | 4.27411 | 0.94209 | 1.06269 | 5.72846 | 1.05211 |
| 36 | NOX | 1.34815 | 1.49874 | 2.09136 | 4.30733 | 0.94437 | 1.06526 | 5.74228 | 1.06166 |
| 37 | NOX | 1.35071 | 1.49928 | 2.09211 | 4.34056 | 0.94799 | 1.06934 | 5.76431 | 1.07043 |
| 38 | NOX | 1.35315 | 1.49978 | 2.09281 | 4.37379 | 0.95298 | 1.07497 | 5.79466 | 1.07849 |
| 39 | NOX | 1.35545 | 1.50027 | 2.09349 | 4.40701 | 0.95936 | 1.08217 | 5.83344 | 1.08590 |
| 40 | NOX | 1.35764 | 1.50073 | 2.09413 | 4.44024 | 0.96715 | 1.09096 | 5.88082 | 1.09278 |
| 41 | NOX | 1.35973 | 1.50116 | 2.09474 | 4.47346 | 0.97639 | 1.10138 | 5.93701 | 1.09923 |
| 42 | NOX | 1.36171 | 1.50158 | 2.09531 | 4.50669 | 0.98712 | 1.11349 | 6.00226 | 1.10539 |
| 43 | NOX | 1.36360 | 1.50197 | 2.09587 | 4.53992 | 0.99939 | 1.12732 | 6.07685 | 1.11141 |
| 44 | NOX | 1.36541 | 1.50235 | 2.09639 | 4.57314 | 1.01325 | 1.14295 | 6.16111 | 1.11746 |
| 45 | NOX | 1.36714 | 1.50271 | 2.09690 | 4.60637 | 1.02875 | 1.16045 | 6.25541 | 1.12373 |
| 46 | NOX | 1.36879 | 1.50306 | 2.09738 | 4.63960 | 1.04598 | 1.17988 | 6.36018 | 1.13041 |
| 47 | NOX | 1.37037 | 1.50339 | 2.09784 | 4.67282 | 1.06501 | 1.20135 | 6.47589 | 1.13774 |
| 48 | NOX | 1.37188 | 1.50370 | 2.09828 | 4.70605 | 1.08593 | 1.22494 | 6.60308 | 1.14595 |
| 49 | NOX | 1.41115 | 1.55945 | 2.17608 | 4.73927 | 1.10883 | 1.25078 | 6.74233 | 1.18327 |
| 50 | NOX | 1.45041 | 1.61520 | 2.25387 | 4.77250 | 1.13383 | 1.27897 | 6.89431 | 1.22058 |
| 51 | NOX | 1.48968 | 1.67096 | 2.33167 | 4.80573 | 1.16103 | 1.30966 | 7.05973 | 1.25790 |
| 52 | NOX | 1.52894 | 1.72671 | 2.40946 | 4.83895 | 1.19058 | 1.34299 | 7.23939 | 1.29521 |
| 53 | NOX | 1.56821 | 1.78246 | 2.48726 | 4.87218 | 1.22261 | 1.37912 | 7.43417 | 1.33253 |
| 54 | NOX | 1.60747 | 1.83821 | 2.56505 | 4.90541 | 1.25729 | 1.41824 | 7.64503 | 1.36984 |
| 55 | NOX | 1.64674 | 1.89396 | 2.64285 | 4.93863 | 1.29479 | 1.46054 | 7.87306 | 1.40716 |
| 56 | NOX | 1.68600 | 1.94971 | 2.72065 | 4.97186 | 1.33530 | 1.50624 | 8.11940 | 1.44447 |
| 57 | NOX | 1.72527 | 2.00546 | 2.79844 | 5.00508 | 1.37904 | 1.55558 | 8.38535 | 1.48179 |
| 58 | NOX | 1.76453 | 2.06121 | 2.87624 | 5.03831 | 1.42624 | 1.60881 | 8.67232 | 1.51910 |
| 59 | NOX | 1.80380 | 2.11696 | 2.95403 | 5.07154 | 1.47714 | 1.66623 | 8.98185 | 1.55642 |
| 60 | NOX | 1.84306 | 2.17271 | 3.03183 | 5.10476 | 1.53204 | 1.72816 | 9.31565 | 1.59373 |
| 61 | NOX | 1.88233 | 2.22847 | 3.10962 | 5.13799 | 1.59123 | 1.79493 | 9.67559 | 1.63105 |
| 62 | NOX | 1.92159 | 2.28422 | 3.18742 | 5.17122 | 1.65506 | 1.86693 | 10.06371 | 1.66836 |
| 63 | NOX | 1.96086 | 2.33997 | 3.26521 | 5.20444 | 1.72390 | 1.94458 | 10.48228 | 1.70568 |
| 64 | NOX | 2.00012 | 2.39572 | 3.34301 | 5.23767 | 1.79815 | 2.02834 | 10.93377 | 1.74299 |
| 65 | NOX | 2.03939 | 2.45147 | 3.42080 | 5.27089 | 1.87827 | 2.11871 | 11.42092 | 1.78031 |

## Table A-61
## Victoria 1990 24-Hour Diurnal Rates

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| WtDiurnal (Gm/Mile) | 6.93 | 11.73 | 18.65 | 37.19 | 0. | 0. | 0. | 28.19 |
| Multiple (Gm/Mile) | 14.53 | 21.50 | 23.93 | 39.03 | 0. | 0. | 0. | 0. |
| Vehicles | 39253. | 9801. | 4525. | 2087. | 530. | 130. | 1259. | 1336. |

## Table A-62
## Victoria 1996 24-Hour Diurnal Rates

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| WtDiurnal (Gm/Mile) | 3.03 | 4.65 | 7.80 | 29.58 | 0. | 0. | 0. | 13.86 |
| Multiple (Gm/Mile) | 8.86 | 11.13 | 13.16 | 37.20 | 0. | 0. | 0. | 0. |
| Vehicles | 41976. | 11451. | 5010. | 2293. | 437. | 167. | 1621. | 1360. |

## Table A-63
## Victoria 2006 24-Hour Diurnal Rates

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| WtDiurnal (Gm/Mile) | 2.09 | 2.91 | 3.47 | 17.41 | 0. | 0. | 0. | 13.86 |
| Multiple (Gm/Mile) | 5.56 | 6.38 | 6.95 | 28.17 | 0. | 0. | 0. | 0. |
| Vehicles | 44383. | 14620. | 5927. | 2634. | 117. | 142. | 2599. | 1161. |

## Table A-64
## Victoria 2015 24-Hour Diurnal Rates

| | LDGV | LTGT1 | LDGT2 | HDGV | LDDV | LDDT | HDDV | MC |
|---|---|---|---|---|---|---|---|---|
| WtDiurnal (Gm/Mile) | 1.96 | 2.68 | 3.20 | 12.86 | 0. | 0. | 0. | 13.86 |
| Multiple (Gm/Mile) | 4.36 | 4.84 | 5.24 | 21.02 | 0. | 0. | 0. | 0. |
| Vehicles | 48885. | 17110. | 6832. | 3135. | 141. | 266. | 3180. | 1116. |