TRC

Technical Memorandum

AIR QUALITY ANALYSIS

STAMFORD URBAN TRANSITWAY PHASE II
Stamford, Connecticut

Prepared under contract to:
City of Stamford

For:

City of Stamford

By:

TRC Environmental Corporation
21 Griffin Rd North
Windsor, Connecticut 06095

March 2006

INTRODUCTION

As part of the Draft Environmental Assessment review for the Stamford Urban Transitway Phase II Project, TRC conducted a microscale air quality analysis for four intersections within the project vicinity that had a poor level of service (LOS), high traffic volumes or a combination of both. These criteria are in accordance with the US Environmental Protection Agency (EPA) *Guideline for Modeling Carbon Monoxide from Roadway Intersections*; (U.S. EPA Guidance Document) dated November 1992. Although an examination of LOS and traffic volumes showed no decrease in LOS from the No-Build to the Build scenarios and generally no increase in traffic volumes from the No-Build to the Build scenario TRC, in consultation with the Connecticut Department of Transportation (CTDOT), determined that based on poor LOS for all signalized intersections within the project corridor, particularly during the PM peak period, it would be prudent to conduct a microscale analysis (see Table 1 for LOS and Volume Summary). Based on the EPA guidance, all signalized intersections within the project vicinity were included in the model, due to their proximity to one another. For these intersections, it is primarily the evening (PM) peak hour which has the poor LOS, but as recommended by CTDOT, the air quality analysis examined both the morning (AM) peak hour and the afternoon (PM) peak hour traffic.

Table 1

LOS & Volume Summary of Signalized Intersection

	AM Peak Hour					
	LOS			**VOLUME**		
	2005 Existing	**2025 No-Build**	**2025 Full Build**	**2005 Existing**	**2025 No-Build**	**2025 Full Build**
Elm St & Myrtle Ave/ Jefferson Ave	D	C	C	2506	2852	2852
East Main St & Myrtle Ave	B	C	C	1973	2850	2850
East Main St & Lockwood Ave/ Lincoln Ave	B	C	C	1918	2787	2787
East Main St & North State St #1(+)	A	A	A	1831	2529	2529

Table 1 cont.						
	PM Peak Hour					
	LOS			VOLUME		
	2005 Existing	2025 No-Build	2025 Full Build	2005 Existing	2025 No-Build	2025 Full Build
Elm St & Myrtle Ave/ Jefferson Ave	D	D	D	2768	3476	3476
East Main St & Myrtle Ave	B	E	E	2372	3624	3624
East Main St & Lockwood Ave/ Lincoln Ave	C	E	E	2240	3427	3427
East Main St & North State St #1 (+)	A	D	B	2241	3427	3427

The air quality analysis used the Connecticut Department of Environmental Protection (CTDEP) and United States Environmental Protection Agency (U.S. EPA) approved dispersion models and procedures to determine the air quality impacts related to the proposed project. Conservative assumptions (e.g., default values where appropriate) were input to the model to develop a conservative estimate of the air quality impacts associated with the proposed Stamford Urban Transitway Phase II project. Only carbon monoxide (CO) impacts were modeled for this project because of the nature of mobile source (i.e., automobile) emissions.

The maximum 1-hour and 8-hour CO modeled concentrations were calculated for receptors near the intersections of Elm St & Myrtle Ave/Jefferson Ave, East Main St & Myrtle Ave, East Main St & Lockwood Ave/Lincoln Ave and East Main St & North State St (Modeled Intersections) during the AM and PM peak projected hours of traffic for 2025. The maximum calculated 1-hour and 8-hour modeled CO concentrations were well below the CTDEP's Ambient Air Quality Standards and National Ambient Air Quality Standards (CAAQS and NAAQS). Therefore, the proposed Stamford Urban Transitway Phase II project will not interfere with the compliance with ambient air quality standards for CO.

POLLUTANTS OF CONCERN

The air quality analysis conducted for the proposed Stamford Urban Transitway Phase II project evaluated the potential ambient air quality impacts of the project against those pollutants for which a federal or state AAQS exist. The CO CAAQS are equal to the CO NAAQS, 1-hour and 8-hour. For purposes of this report, the CAAQS and NAAQS are referred to as the AAQS. Currently, the U.S. EPA and the CTDEP enforce AAQS for the following six pollutants: nitrogen dioxide (NO_2), sulfur dioxide (SO_2), particulate matter less than 10 microns in diameter (PM_{10}), particulate matter less than 2.5 microns in diameter ($PM_{2.5}$) ozone (O_3) (which is controlled

through limiting of NO_x and volatile organic compound (VOC) emissions as ozone precursors), carbon monoxide (CO), and lead (Pb).

For this project, increases in emissions are associated with the increased vehicular traffic projected with development. Emissions of CO, Pb, NO_x and VOC are associated with mobile emission sources, whereas emissions of SO_2 and particulate are associated with stationary sources. Since no major stationary sources emitting significant quantities of pollutants are planned for this project, only emissions of CO, Pb, NO_x, and VOC from mobile sources were of initial concern.

Up until the 1970's, lead emissions were associated with vehicular fuel combustion. At that time, federal clean air legislation prompted the conversion of lead-based gasoline to lead-free fuels, which began a systematic phase-out of the sale of leaded gasoline. Since that time, lead emissions have dropped dramatically nationwide and further reductions in atmospheric lead levels will occur as older vehicles are replaced with vehicles that use unleaded gasoline. Generally, an analysis of lead impacts occurs only for those stationary sources that emit lead in significant quantities (i.e., smelters, certain incinerators); therefore, lead impacts were not evaluated for this analysis.

Carbon monoxide emissions from vehicles are associated with incomplete fuel combustion. CO impacts from vehicles generally are localized and can cause elevated concentrations within a relatively short distance from heavily traveled roadways and intersections. Consequently, it is appropriate to calculate concentrations of CO from motor vehicles on a localized or microscale basis.

Nitrogen compounds combine with hydrocarbons to produce ozone and other compounds in the atmosphere that can cause potential health effects including eye and lung irritation. Nitrogen compounds, generally nitric oxide (NO), are formed from high temperature fuel combustion and within a few hours of release are converted to NO_2 in the atmosphere. Further complex reactions occur with VOCs in the atmosphere to produce ozone. Since these reactions occur several hours after release of the initial nitrogen compounds, the pollutant effects occur at some distance downwind from release. For this reason, NO_x impacts are normally studied within the context of a large scale analysis encompassing tens of kilometers from a release point and including regional sources of nitrogen oxide emitters. Thus, a microscale analysis was not conducted for NO_x impacts from localized traffic.

Emissions of VOCs occur from many processes including stationary fuel combustion sources and process sources (e.g., dry cleaning, painting, and coating), as well as mobile sources. VOC emissions contribute to the formation of smog and when reacted with other chemicals (such as NO_x) in the atmosphere ultimately produce ozone. As discussed for nitrogen compounds, studies of VOC emissions usually entail evaluations of large areas (i.e., mesoscale analysis) accounting

for many emissions sources including vehicles. For this reason, a microscale analysis was not conducted for VOC emissions for localized traffic.

Of the pollutants discussed, the CTDEP recommended the evaluation of only CO emissions from mobile sources for the Stamford Urban Transitway Phase II project. The remainder of this report discusses the procedures and methodology followed to perform a micro scale air quality analysis of CO impacts and the results of that analysis.

AIR QUALITY STANDARDS

Because carbon monoxide was the only pollutant of concern for this analysis, 1-hour and 8-hour CO concentrations were calculated for comparison to the CO AAQS as presented in Table 2.

Table 2: Carbon Monoxide Ambient Air Quality Standards

Averaging Period	Primary Standard		Secondary Standard	
	ppm	mg/m^3	ppm	mg/m^3
1-Hour	35	40	35	40
8-Hour	9	10	9	10

The 1-hour and 8-hour CO AAQS cannot be exceeded more than once per year at a given location. The primary standards are designed to protect human health and the secondary standards are designed to protect the "welfare" of the nation and account for effects to materials, soil, and vegetation. As shown, the primary and secondary standards for CO are identical.

MOBILE SOURCE MODELING METHODOLOGY

Air quality analyses are used by regulatory agencies to determine the impact of proposed projects for comparison against ambient air quality standards. The methodology for performing such a study depends upon the type of source to be modeled and the characteristics of the source and surrounding area. For a mobile source impact study, information is needed regarding the street locations and geometry, traffic volumes, intersection traffic signal parameters, local meteorological conditions and the location of receptors (areas where impacts will be calculated). Determining impacts from mobile sources is a complex task, which must account for many variables of traffic, meteorology and geometry to calculate with any accuracy the impacts at a given receptor.

Site and source-specific information is input to the air quality dispersion model to determine the air quality impacts associated with the source. Computer-based models simulate atmospheric conditions through a series of mathematical formulas, which break down and quantify the effect of complex atmospheric conditions upon the source data input. These models are developed and run using various assumptions, which tend to simplify the analysis. These simplifications act to

calculate a worst-case or conservative final impact and the models are actually designed to produce such conservative results. To aid in this conservative analysis, the U.S. EPA provides modeling procedures that are followed to ensure consistency and yield a conservative estimate of impacts. These procedures are outlined in the U.S. EPA Guidance Document.

The air quality models and assumptions used represent the most up-to-date tools for an assessment of this kind and in combination result in a conservative estimate of CO impacts expected to be caused by the project on the surrounding area. The specifics of the modeling study are outlined in the following sections.

a. Models Used in the Analysis

The USEPA approved model, CAL3QHC (version 2.0), was used to calculate impacts from the traffic volume around the modeled intersections. The CAL3QHC model is designed to calculate air pollutant concentrations near highways, arterial streets, and queued intersections (i.e., intersections with traffic signals). The model permits the estimation of total air pollutant concentrations from both moving and idling vehicles. CAL3QHC requires inputs for roadway geometries, receptor locations, meteorological conditions, vehicular emission rates, signal timing data, and information describing the configuration of the intersections being modeled.

The CAL3QHC model is based on the CALINE-3 model, which is used to evaluate free-flow non-intersection arterials and highways. An additional algorithm was incorporated into CALINE-3 to estimate queued intersection impacts. These models use Gaussian (or normal) dispersion characteristics to estimate receptor concentrations from line sources. This assumes that impacts downwind from a source will be distributed in accordance with a statistical normal (or Gaussian) distribution.

b. Receptor Locations

Receptors (or points of impact) were input to the CAL3QHC model to determine the CO impacts near the modeled intersections and roadways. These receptors were located according to the guidance provided in the U.S. EPA Guidance Document. Specifically, receptors were placed 10 feet from the edge of the roadways that comprise the intersection and at the nearest locations reasonably accessible to the public, such as the sidewalks or bus stops positioned along the project corridor. Receptors were also placed in reasonable access locations proximal to the I-95 northbound and southbound overpasses on Myrtle Ave and Lockwood Ave. A total of 48 receptors were input into the model. The locations of modeled receptors are provided in Figure 1.

c. Meteorological Parameters

The CAL3QHC model calculates CO impacts at each receptor based upon predetermined meteorological conditions. These meteorological conditions include variables such as wind speed, wind direction, and atmospheric stability. To determine the maximum CO concentrations as a result of screening meteorological conditions as defined in the U.S. EPA Guidance Document, a wind speed of 1 meter/second was modeled with a “D” atmospheric stability class

and an ambient temperature of 41° F. D stability was specified to account for the urban setting. The ambient temperature was provided by CTDEP and is representative of temperatures for which maximum CO concentrations have been measured in the area. A surface roughness length of 175 cm, representative of an urban office area, was specified, and the mixing height was set to 1,000 meters in accordance with the guidance. The wind direction input to the model ranged from 0 degrees to 350 degrees every 10 degrees.

d. Analysis Years and Traffic Data

The air quality analysis was performed for the year 2005 for existing conditions and 2025, which is when the proposed project will be complete and operational. The analysis was conducted using traffic count data provided by the City of Stamford Traffic Engineering Department in February 2006.

e. Free Flow and Queue Link Geometry

For this analysis, the four analyzed intersections were linked into one geometry to allow emissions from each intersection to contribute to the other intersections. Because of the proximity of I-95 to the project corridor, free flow links for both northbound and southbound lanes of I-95 were included in the model. Free flow link lengths were determined from the lesser of either 1,000 feet or the distance from the modeled intersection to the midpoint of the next closest intersection for each travel direction. For the 2005 existing conditions geometry there were a total of 76 links with 19 queued links. For the 2025 No-Build geometry there were a total of 78 links with 21 queued links. The 2025 Build geometry had a total of 80 links with 23 of those being queued. The difference between the existing conditions and No-Build geometry is due to incorporating the Stamford Urban Transitway Phase I improvements to the Elm St & Jefferson Ave/Myrtle Ave intersection into the geometry. Geo-rectified aerial photography provided by the city of Stamford was utilized to obtain the proper link relationships between the four intersections.

f. Vehicle Emissions Data

Another important input to the CAL3QHC model is the emission rates from the vehicles traveling on the free-flow links and idling at the modeled intersections. The emission estimates for the vehicles are calculated by another recommended computer model, MOBILE6.2. MOBILE6.2 emission factors are based upon the average vehicle speed and vehicle type (i.e., light duty gasoline-powered vehicles, light duty gasoline-powered trucks, heavy duty gasoline-powered trucks, light duty diesel-powered vehicles, light-duty diesel powered trucks, heavy duty diesel-powered vehicles and motorcycles).

MOBILE6.2 was run accounting for the latest Connecticut control programs, reformulated gasoline requirements, and vehicle type distributions to yield representative emissions for the model years. The MOBILE6.2 input and output files are included in the appendix to this technical memorandum.

g. Background Concentrations

Background concentrations are pollutant levels not accounted for by sources in the modeling analysis but which must be added to the modeled impacts to arrive at a total impact. The total impact is then compared to the appropriate AAQS to determine compliance. CTDEP is responsible for the operation of numerous ambient air quality monitors located throughout Connecticut. The State and Local Air Monitoring Stations (SLAMS) consist of a network of approximately 4,000 monitoring stations across the country whose size and distribution is largely determined by the needs of State and local air pollution control agencies to meet their respective state implementation plan (SIP) requirements. The operation of these SLAMS includes the responsibility to maintain maximum data collection recovery following rigorous quality assurance protocols

Through consultation with the CTDEP it was determined that a background concentration of 3 ppm of CO for this area would be a conservative concentration.

h. Summary of Modeling Settings and Assumptions

A summary of the settings and assumptions used in the modeling analysis are provided in Table 3.

Table 3:
Model Settings/Assumptions

Setting Description	Variable	Value/Setting Used
Vehicle Travel Speeds[a]	Free Flow Links Local Streets (Existing and No-Build)	25 mph
	Free Flow Links Local Streets (Build)	30 mph
	Free Flow Links I-95	65 mph
	Idling Traffic	0 mph
Vehicle Emission Rates[b] (2005 Existing)	Free Flow Links Local Streets	15.77 gm/veh-mi
	Free Flow Links I-95	17.96 gm/veh-mi
	Idling Traffic	91.21 gm/veh-hr[c]
Vehicle Emission Rates[b] (2025 Build & No-Build)	Free Flow Links Local Streets 25 mph	7.97 gm/veh-mi
	Free Flow Links Local Streets 30 mph	7.90 gm/veh-mi
	Free Flow Links I-95	9.01 gm/veh-mi
	Idling Traffic	42.43 gm/veh-hr[c]

Table 3 cont: Model Settings/Assumptions		
Setting Description	**Variable**	**Value/Setting Used**
Traffic/Intersection Data[e]	Level-of-Service, (LOS), Link Volumes, Total Signal Length, Red Times	As Provided by the City of Stamford in SYNCRO reports (2/22/06)
	Clearance Lost Time	1.0 sec
Receptors[f]	Location and Height	Receptor Locations Shown in Figure 1. Receptor Height of 6 feet. With exception of Bus Stops where a Receptor Height of 4 feet was used
Meteorological Parameters	Ambient temperature	41°F
	Surface Roughness Length	175 cm
	Stability Class	D
	Wind Speed	1 m/sec
	Mixing Height	1000 m
Background CO Concentration[g]	1-Hour	3 ppm
	8-Hour	3 ppm
Source Height (i.e., exhaust pipe)	Local Roads	0 ft
	I-95	30 ft
Carbon Monoxide Characteristics[h]	Settling Velocity	0 cm/sec
	Deposition Velocity	0 cm/sec

[a]Vehicle speeds based on posted speed limits on the roadways modeled.
[b]Emission factors used to calculate these emission rates were acquired from the U.S. EPA MOBILE 6.2 model output.
[c]Idling emission rates were calculated by multiplying the 2.5 mph emission factor by 2.5 per EPA guidance
[e]Traffic/Intersection data separately included in the *Stamford Urban Transitway Phase II reference Document.*
[f]Receptor locations and heights based on guidance in the U.S. EPA *Guideline for Modeling Carbon Monoxide from Roadway Intersections*.
[g]Background CO concentrations from discussion with Paul Bodner of CT DEP.
[h]Carbon monoxide has a molecular weight of 28 which is essentially equivalent to ambient air (~29), thus it was assumed that no settling or deposition of CO will occur.

AIR QUALITY IMPACTS

Results of the air quality analysis are presented in Table 4. The maximum CO concentrations for each intersection are calculated to be below the applicable AAQS for both the 1-hour and 8-hour periods during all periods studied. For all three scenarios, 2005 Existing Conditions, 2025 No-Build and 2025 Build, the highest calculated 1-hour and 8-hour concentrations were modeled at Receptor 16. Receptor 16 is located 10 feet east of Myrtle Ave just north of the I-95 overpass.

These concentrations are well below the applicable AAQS of 35 and 9 ppm, respectively. These maximum concentrations are associated with winds from the east for the AM & PM Peak periods for the Existing Conditions Scenario. During the 2025 No-Build and Build Scenarios, the highest concentrations for Receptor 16 were from the east for the AM Peak period and from the WSW for the PM Peak period. This indicates that the primary contributor for this receptor is I-95 for both morning and evening periods.

Table 4:

Results of the Air Quality Modeling Analysis

	Highest 1-hour Concentration (ppm)	**Corresponding 8-hour Concentration[a] (ppm)**	**Receptor/ Location/ Wind Direction**
Existing Conditions			
2005 Peak AM Elm St & Myrtle Ave/ Jefferson Ave	5.4	3.78	Receptor 4: Mid-block northwest approach along Elm St; from WNW
2005 Peak AM East Main St & Myrtle Ave	**8.7**	6.09	Receptor 16: Northeast of I-95 overpass of Myrtle Ave; from East
2005 Peak AM East Main St & Lockwood Ave/ Lincoln Ave	7.2	5.04	Receptor 36: Northeast of I-95 overpass of Lockwood Ave; from WSW
2005 Peak AM East Main St & North State St #1	6.2	4.34	Receptor 24: Northwest corner of East Main St & Crystal St; from ESE
2005 Peak PM Elm St & Myrtle Ave/ Jefferson Ave	5.4	3.78	Receptor 2: Southeast corner of Elm St & Jefferson St and Receptor 3: Mid block southeast departure Elm St &Jefferson St; from NNW
2005 Peak PM East Main St & Myrtle Ave	**7.6**	5.32	Receptor 16: Northeast of I-95 overpass of Myrtle Ave; from East
2005 Peak PM East Main St & Lockwood Ave/ Lincoln Ave	6.7	4.69	Receptor 36: Northeast of I-95 overpass of Lockwood Ave; from WSW
2005 Peak PM East Main St & North State St #1	6.3	4.41	Northwest corner of East Main St & Crystal St; from ESE
2025 No-Build Scenario			
2025 Peak AM No-Build Elm St & Myrtle Ave/ Jefferson Ave	4.3	3.01	Receptor 5: Northeast corner Elm St & Myrtle Ave; from SE
2025 Peak AM No-Build East Main St & Myrtle Ave	**6.3**	4.41	Receptor 16: Northeast of I-95 overpass of Myrtle Ave; from East
2025 Peak AM No-Build East Main St & Lockwood Ave/ Lincoln Ave	5.6	3.92	Receptor 36: Northeast of I-95 overpass of Lockwood Ave; from WSW
2025 Peak AM No-Build East Main St & North State St #1	4.7	3.29	Receptor 24: Northwest corner of East Main St & Crystal St; from ESE

Table 4 cont: Results of the Air Quality Modeling Analysis			
	Highest 1-hour Concentration (ppm)	**Corresponding 8-hour Concentration[a] (ppm)**	**Receptor/ Location/ Wind Direction**
2025 No-Build Scenario cont			
2025 Peak PM No-Build Elm St & Myrtle Ave/ Jefferson Ave	4.5	3.15	Receptor 13: Mid-block southeast approach along Elm St; from North
2025 Peak PM No-Build East Main St & Myrtle Ave	**6.2**	4.34	Receptor 16: Northeast of I-95 overpass of Myrtle Ave; from WSW
2025 Peak PM No-Build East Main St & Lockwood Ave/ Lincoln Ave	5.2	3.64	Receptor 36: Northeast of I-95 overpass of Lockwood Ave; from WSW
2025 Peak PM No-Build East Main St & North State St #1	4.8	3.36	Receptors 21 & 24: Northwest and northeast corners of East Main St & Crystal St; from East to SE
2025 Build Scenario			
2025 Peak AM Build Elm St & Myrtle Ave/ Jefferson Ave	4.3	3.01	Receptors 4 & 14: Mid-block northwest approach along Elm St; from WNW and southwest corner of Elm St & Jefferson St; from NE
2025 Peak AM Build East Main St & Myrtle Ave	**6.3**	4.41	Receptor 16: Northeast of I-95 overpass of Myrtle Ave; from East
2025 Peak AM Build East Main St & Lockwood Ave/ Lincoln Ave	5.6	3.92	Receptor 36: Northeast of I-95 overpass of Lockwood Ave; from WSW
2025 Peak AM Build East Main St & North State St #1	4.5	3.15	Receptors 21 & 24: Northwest and northeast corners of East Main St & Crystal St; from ESE and WSW respectively
2025 Peak PM Build Elm St & Myrtle Ave/ Jefferson Ave	4.4	3.08	Receptors 1 & 14: Mid-block northeast approach along Jefferson St and southwest corner of Elm St & Jefferson St; from North & NE respectively
2025 Peak PM Build East Main St & Myrtle Ave	**5.8**	4.06	Receptor 16: Northeast of I-95 overpass of Myrtle Ave; from WSW
2025 Peak PM Build East Main St & Lockwood Ave/ Lincoln Ave	5.2	3.64	Receptor 36: Northeast of I-95 overpass of Lockwood Ave; from WSW
2025 Peak PM Build East Main St & North State St #1	4.8	3.36	Receptors 21 & 24: Northwest and northeast corners of East Main St & Crystal St; from SE & East respectively

[a]Modeled 8-hour concentrations calculated from an 1-hour to 8-hour persistence factor of 0.7 as recommended in the U.S. EPA *Guideline for Modeling Carbon Monoxide from Roadway Intersections*.

I-95 is indicated as the primary contributor for Receptor 36 as well. Receptor 36 is located approximately 200 ft south of the East Main & Lockwood Ave intersection and just north of the I-95 overpass of Lockwood Ave.

The Elm St & Jefferson Ave/Myrtle Ave intersection, which is the highest volume and worst LOS intersection, had the lowest modeled maximum CO concentrations for all periods and all scenarios. This contradiction is likely due to this intersections relatively remote proximity to I-95 and to the other three modeled intersections. The Elm St & Jefferson Ave/Myrtle Ave intersection is approximately 1000 ft from I-95 and approximately 1500 ft from the other three modeled intersections.

All CAL3QHC output files have been provided in Appendix B for review of all receptor concentrations. The MOBILE 6.2 output files for each modeled year have also been provided in Appendix A.

Legend

Analyzed Intersection

Receptor Location

0 300 600 Feet

TRC
Customer-Focused Solutions

21 Griffin Road North
Windsor, CT 06095
(860) 298-9692

PHASE II URBAN TRANSITWAY
STAMFORD, CONNECTICUT

FIGURE 1
Analyzed Intersections & Receptor Locations

Date: 03/02/06

Project No: 51043-0000-00003

APPENDIX A
MOBILE 6.2 Output Files for Years 2005 and 2025

MOBILE 6.2 Output File
2005

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: C:\MOBILE62\MOBILE6\RUN\SUT05.IN (file 1, run 1).        *
************************************************************************
* 2005 winter CO inputs for DOT intersection analysis (provided by DEP's PMB April 22, 2004).
* Input data provided for each of CT's 8 counties. Also uses same 8-hr CO temperature value
* of 41.0 F statewide.  This is conservative for New Haven where CO SIP used 49.9 F.
*
* ***************************************************************************************
* Note that the composite emission factors produced with this input file include both start
* and running emissions.  EPA Guidance indicates that start emissions are typically negligible
* at intersections; therefore, use of composite emission factors will produce CO impacts that
* are conservatively high.  If modeled impacts (including background CO) approach or exceed the
* CO NAAQS, consult CTDEP to discuss applying a more refined method that excludes start emissions.
* ***************************************************************************************
*
********************* Expressway (USE FOR FREEWAYS ONLY, NOT RAMPS)*************************

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.

*2002 Registration Age distribution

* Reading Registration Distributions from the following external
* data file: CTREG02.D

* Reading I/M program description records from the following external
* data file: CTIM05PL.D
*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)
*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced
the ASM
*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR
*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)
*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR
  M615 Comment:
               User supplied VMT mix.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 2005 CO Season Intersections Freeway Freeflow @ 65 mph
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 65.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M112 Warning:
               Wintertime Reformulated Gasoline Rules Apply
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file NLEVNE.D
                    Calendar Year:  2005
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  41.0 (F)
             Maximum Temperature:  41.0 (F)
               Absolute Humidity:   75. grains/lb
             Fuel Sulfur Content:   90. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  Yes
```

Vehicle Type:	LDGV	LDGT12	LDGT34	LDGT	HDGV	LDDV	LDDT	HDDV	MC	All Veh
GVWR:		<6000	>6000	(All)						
VMT Distribution:	0.4794	0.3156	0.1076		0.0282	0.0006	0.0016	0.0662	0.0008	1.0000
Composite Emission Factors (g/mi):										
Composite CO :	18.33	19.89	21.02	20.18	15.41	1.342	0.798	2.624	23.45	17.958

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: C:\MOBILE62\MOBILE6\RUN\SUT05.IN (file 1, run 2).        *
************************************************************************
******************* Arterial/Collector/Local Freeflow (DO NOT USE FOR RAMPS)

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.

*2002 Registration Age distribution

* Reading Registration Distributions from the following external
* data file: CTREG02.D

* Reading I/M program description records from the following external
* data file: CTIM05PL.D
*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)
*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced
the ASM
*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR
*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)
*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR
  M615 Comment:
               User supplied VMT mix.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 2005 CO SEASON Arterial/Collector/Local @ 25 mph
* File 1, Run 2, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M112 Warning:
               Wintertime Reformulated Gasoline Rules Apply
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file NLEVNE.D
                    Calendar Year:  2005
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  41.0 (F)
             Maximum Temperature:  41.0 (F)
               Absolute Humidity:   75. grains/lb
             Fuel Sulfur Content:   90. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  Yes

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:    0.5125    0.3374    0.1151              0.0092    0.0006    0.0017    0.0217    0.0018    1.0000
 ---------------------------------------------------------------------------------------------------------------------------
 Composite Emission Factors (g/mi):
    Composite CO  :     15.39     16.70     17.41     16.88     14.83     1.524     0.935     3.346     16.09    15.770
 ---------------------------------------------------------------------------------------------------------------------------
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: C:\MOBILE62\MOBILE6\RUN\SUT05.IN (file 1, run 3).        *
************************************************************************
******************** Ramp Freeflow (Use for all freeway ramps; MOBILE6 assumes avg freeflow ramp speed=34.6mph)

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.

*2002 Registration Age distribution

* Reading Registration Distributions from the following external
* data file: CTREG02.D

* Reading I/M program description records from the following external
* data file: CTIM05PL.D
*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)
*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced
the ASM
*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR
*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)
*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading Hourly Roadway VMT distribution from the following external
* data file: FCVMTR.CTY

  Reading User Supplied ROADWAY VMT Factors
  M615 Comment:
               User supplied VMT mix.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 2005 CO SEASON intersection: M6 assumes Ramp @ 34.6mph
* File 1, Run 3, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M112 Warning:
               Wintertime Reformulated Gasoline Rules Apply
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file NLEVNE.D
                   Calendar Year:  2005
                           Month:  Jan.
                        Altitude:  Low
             Minimum Temperature:  41.0 (F)
             Maximum Temperature:  41.0 (F)
               Absolute Humidity:   75. grains/lb
             Fuel Sulfur Content:   90. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  Yes

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
               GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:    0.4794    0.3156    0.1076              0.0282    0.0006    0.0016    0.0662    0.0008    1.0000
 ---------------------------------------------------------------------------------------------------------------------------
 Composite Emission Factors (g/mi):
    Composite CO  :     23.91     24.39     24.04     24.30     10.84     1.291     0.759     2.422     12.78    22.224
 ---------------------------------------------------------------------------------------------------------------------------
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: C:\MOBILE62\MOBILE6\RUN\SUT05.IN (file 1, run 4).        *
************************************************************************
******************* Arterial/Collector/Local/Ramp Idle @ 2.5 mph (Use for queues after multiplying by 2.5)

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.

*2002 Registration Age distribution

* Reading Registration Distributions from the following external
* data file: CTREG02.D

* Reading I/M program description records from the following external
* data file: CTIM05PL.D
*CT I/M PROGRAMS for all years 2005 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,501-10,000 lb get TSI & GC (no OBD)
*Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR. Program start year reflects OBD test that replaced
the ASM
*Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR
*Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,501 - 10,000 lbs GVWR (per above comment)
*Biennial GC evaporative "test" for all HDGT 8,501 - 10,000 lbs (per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR
  M615 Comment:
               User supplied VMT mix.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 2005 winter intersection: Idle @ 2.5 mph (x 2.5 to get idle rate for CAL3QHC)
* File 1, Run 4, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M112 Warning:
               Wintertime Reformulated Gasoline Rules Apply
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
             there are no sales for vehicle class HDGV8b

 LEV phase-in data read from file NLEVNE.D
                    Calendar Year:  2005
                            Month:  Jan.
                         Altitude:  Low
             Minimum Temperature:  41.0 (F)
             Maximum Temperature:  41.0 (F)
               Absolute Humidity:   75. grains/lb
             Fuel Sulfur Content:   90. ppm

             Exhaust I/M Program:  Yes
                Evap I/M Program:  Yes
                     ATP Program:  Yes
                Reformulated Gas:  Yes

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:    0.5125    0.3374    0.1151              0.0092    0.0006    0.0017    0.0217    0.0018    1.0000
 ---------------------------------------------------------------------------------------------------------------------------
 Composite Emission Factors (g/mi):
    Composite CO  :     35.14     36.72     43.20     38.37     68.09     4.148     2.918    13.799    102.25    36.485
 ---------------------------------------------------------------------------------------------------------------------------
```

MOBILE 6.2 Output File
2025

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: C:\MOBILE62\MOBILE6\RUN\SUT25.IN (file 1, run 1).        *
************************************************************************
* 2025 winter CO inputs for DOT intersection analysis (provided by DEP's PMB April 22, 2004).
* Input data provided for each of CT's 8 counties. Also uses same 8-hr CO temperature value
* of 41.0 F statewide.  This is conservative for New Haven where CO SIP used 49.9 F.
*
* ************************************************************************************************
* Note that the composite emission factors produced with this input file include both start
* and running emissions.  EPA Guidance indicates that start emissions are typically negligible
* at intersections; therefore, use of composite emission factors will produce CO impacts that
* are conservatively high.  If modeled impacts (including background CO) approach or exceed the
* CO NAAQS, consult CTDEP to discuss applying a more refined method that excludes start emissions.
* ************************************************************************************************
*
******************** Expressway (USE FOR FREEWAYS ONLY, NOT RAMPS)*************************

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.

*2002 Registration Age distribution

* Reading Registration Distributions from the following external
* data file: CTREG02.D

* Reading I/M program description records from the following external
* data file: CTIM07.D
*CT I/M PROGRAMS for all years 2005 and later
*Biennial OBDII I/M tailpipe "test" for post-95 gasoline vehicles up to 10,000 lbs GVWR
*Biennial OBDII & GC evaporative "test" for post-95 gasoline vehicles up to 8,500 lbs GVWR
*HDGT 8,500 - 10,000 lbs not included because M6 won't allow OBD evap before MY2007
*Biennial GC evaporative "test" post-95 HDGT 8,500 - 10,000 lbs (no OBD evap per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial 2500/IDLE I/M tailpipe test for pre-96 gasoline vehicles 8,500 - 10,000 lbs GVWR
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 10,000 lbs GVWR
  M615 Comment:
               User supplied VMT mix.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 2025 CO Season Intersections Freeway Freeflow @ 65 mph
* File 1, Run 1, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M581 Warning:
            The user supplied freeway average speed of 65.0
            will be used for all hours of the day. 100% of VMT
            has been assigned to the freeway roadway type for
            all hours of the day and all vehicle types.
  M112 Warning:
               Wintertime Reformulated Gasoline Rules Apply
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
  M 48 Warning:
              there are no sales for vehicle class LDDT12

 LEV phase-in data read from file NLEVNE.D
                    Calendar Year:  2025
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  41.0 (F)
              Maximum Temperature:  41.0 (F)
                Absolute Humidity:   75. grains/lb
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  Yes

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                        ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:     0.2898    0.4571    0.1559              0.0275    0.0003    0.0023    0.0663    0.0008    1.0000
 ---------------------------------------------------------------------------------------------------------------------------
 Composite Emission Factors (g/mi):
    Composite CO  :     10.21      9.27      9.99      9.45      8.02     0.528     0.288     0.276     23.42     9.010
 ---------------------------------------------------------------------------------------------------------------------------
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: C:\MOBILE62\MOBILE6\RUN\SUT25.IN (file 1, run 2).        *
************************************************************************
******************* Arterial/Collector/Local Freeflow (DO NOT USE FOR RAMPS) 25 mph

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.

*2002 Registration Age distribution

* Reading Registration Distributions from the following external
* data file: CTREG02.D

* Reading I/M program description records from the following external
* data file: CTIM07.D
*CT I/M PROGRAMS for all years 2005 and later
*Biennial OBDII I/M tailpipe "test" for post-95 gasoline vehicles up to 10,000 lbs GVWR
*Biennial OBDII & GC evaporative "test" for post-95 gasoline vehicles up to 8,500 lbs GVWR
*HDGT 8,500 - 10,000 lbs not included because M6 won't allow OBD evap before MY2007
*Biennial GC evaporative "test" post-95 HDGT 8,500 - 10,000 lbs (no OBD evap per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial 2500/IDLE I/M tailpipe test for pre-96 gasoline vehicles 8,500 - 10,000 lbs GVWR
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 10,000 lbs GVWR
  M615 Comment:
               User supplied VMT mix.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 2025 CO SEASON Arterial/Collector/Local @ 25 mph
* File 1, Run 2, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 25.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M112 Warning:
               Wintertime Reformulated Gasoline Rules Apply
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
  M 48 Warning:
              there are no sales for vehicle class LDDT12

 LEV phase-in data read from file NLEVNE.D
                    Calendar Year:  2025
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  41.0 (F)
              Maximum Temperature:  41.0 (F)
                Absolute Humidity:   75. grains/lb
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  Yes

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:    0.3096    0.4882    0.1664              0.0091    0.0003    0.0025    0.0221    0.0018    1.0000
 ---------------------------------------------------------------------------------------------------------------------
 Composite Emission Factors (g/mi):
    Composite CO  :      8.78      7.72      8.28      7.87      7.69     0.614     0.340     0.353     16.06     7.974
 ---------------------------------------------------------------------------------------------------------------------
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: C:\MOBILE62\MOBILE6\RUN\SUT25.IN (file 1, run 3).        *
************************************************************************
******************* Arterial/Collector/Local Freeflow (DO NOT USE FOR RAMPS) 30 mph

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.

*2002 Registration Age distribution

* Reading Registration Distributions from the following external
* data file: CTREG02.D

* Reading I/M program description records from the following external
* data file: CTIM07.D
*CT I/M PROGRAMS for all years 2005 and later
*Biennial OBDII I/M tailpipe "test" for post-95 gasoline vehicles up to 10,000 lbs GVWR
*Biennial OBDII & GC evaporative "test" for post-95 gasoline vehicles up to 8,500 lbs GVWR
*HDGT 8,500 - 10,000 lbs not included because M6 won't allow OBD evap before MY2007
*Biennial GC evaporative "test" post-95 HDGT 8,500 - 10,000 lbs (no OBD evap per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial 2500/IDLE I/M tailpipe test for pre-96 gasoline vehicles 8,500 - 10,000 lbs GVWR
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 10,000 lbs GVWR
  M615 Comment:
               User supplied VMT mix.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 2025 CO SEASON Arterial/Collector/Local @ 30 mph
* File 1, Run 3, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of 30.0
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M112 Warning:
               Wintertime Reformulated Gasoline Rules Apply
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
  M 48 Warning:
              there are no sales for vehicle class LDDT12

 LEV phase-in data read from file NLEVNE.D
                    Calendar Year:  2025
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  41.0 (F)
              Maximum Temperature:  41.0 (F)
                Absolute Humidity:   75. grains/lb
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  Yes

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:    0.3096    0.4882    0.1664              0.0091    0.0003    0.0025    0.0221    0.0018    1.0000
 ---------------------------------------------------------------------------------------------------------------------
 Composite Emission Factors (g/mi):
    Composite CO  :      8.72      7.67      8.21      7.80      6.38     0.545     0.298     0.292     14.15     7.900
 ---------------------------------------------------------------------------------------------------------------------
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: C:\MOBILE62\MOBILE6\RUN\SUT25.IN (file 1, run 4).        *
************************************************************************
******************** Ramp Freeflow (Use for all freeway ramps; MOBILE6 assumes avg freeflow ramp speed=34.6mph)

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.

*2002 Registration Age distribution

* Reading Registration Distributions from the following external
* data file: CTREG02.D

* Reading I/M program description records from the following external
* data file: CTIM07.D
*CT I/M PROGRAMS for all years 2005 and later
*Biennial OBDII I/M tailpipe "test" for post-95 gasoline vehicles up to 10,000 lbs GVWR
*Biennial OBDII & GC evaporative "test" for post-95 gasoline vehicles up to 8,500 lbs GVWR
*HDGT 8,500 - 10,000 lbs not included because M6 won't allow OBD evap before MY2007
*Biennial GC evaporative "test" post-95 HDGT 8,500 - 10,000 lbs (no OBD evap per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial 2500/IDLE I/M tailpipe test for pre-96 gasoline vehicles 8,500 - 10,000 lbs GVWR
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 10,000 lbs GVWR

* Reading Hourly Roadway VMT distribution from the following external
* data file: FCVMTR.CTY

  Reading User Supplied ROADWAY VMT Factors
  M615 Comment:
               User supplied VMT mix.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 2025 CO SEASON intersection: M6 assumes Ramp @ 34.6mph
* File 1, Run 4, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M112 Warning:
               Wintertime Reformulated Gasoline Rules Apply
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
  M 48 Warning:
              there are no sales for vehicle class LDDT12

 LEV phase-in data read from file NLEVNE.D
                    Calendar Year:  2025
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  41.0 (F)
              Maximum Temperature:  41.0 (F)
                Absolute Humidity:   75. grains/lb
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  Yes

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:    0.2898    0.4571    0.1559              0.0275    0.0003    0.0023    0.0663    0.0008    1.0000
 ---------------------------------------------------------------------------------------------------------------------
 Composite Emission Factors (g/mi):
    Composite CO  :     11.06      9.90     10.54     10.06      5.64     0.504     0.273     0.255     12.76     9.556
 ---------------------------------------------------------------------------------------------------------------------
```

```
************************************************************************
* MOBILE6.2.03 (24-Sep-2003)                                           *
* Input file: C:\MOBILE62\MOBILE6\RUN\SUT25.IN (file 1, run 5).        *
************************************************************************
******************* Arterial/Collector/Local/Ramp Idle @ 2.5 mph (Use for queues after multiplying by 2.5)

* Reading 94+ LEV IMPLEMENTATION SCHEDULE from the following external
* data file: NLEVNE.D
  M616 Comment:
               User has supplied post-1999 sulfur levels.
  M603 Comment:
               User has disabled the calculation of REFUELING emissions.

*2002 Registration Age distribution

* Reading Registration Distributions from the following external
* data file: CTREG02.D

* Reading I/M program description records from the following external
* data file: CTIM07.D
*CT I/M PROGRAMS for all years 2005 and later
*Biennial OBDII I/M tailpipe "test" for post-95 gasoline vehicles up to 10,000 lbs GVWR
*Biennial OBDII & GC evaporative "test" for post-95 gasoline vehicles up to 8,500 lbs GVWR
*HDGT 8,500 - 10,000 lbs not included because M6 won't allow OBD evap before MY2007
*Biennial GC evaporative "test" post-95 HDGT 8,500 - 10,000 lbs (no OBD evap per above comment)
*Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR

* Reading ASM I/M Test Credits from ASMDATA.D
*Biennial 2500/IDLE I/M tailpipe test for pre-96 gasoline vehicles 8,500 - 10,000 lbs GVWR
*Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 10,000 lbs GVWR
  M615 Comment:
               User supplied VMT mix.
```

```
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
* 2025 winter intersection: Idle @ 2.5 mph (x 2.5 to get idle rate for CAL3QHC)
* File 1, Run 5, Scenario 1.
* # # # # # # # # # # # # # # # # # # # # # # # # # # #
  M583 Warning:
            The user supplied arterial average speed of  2.5
            will be used for all hours of the day.  100% of VMT
            has been assigned to the arterial/collector roadway
            type for all hours of the day and all vehicle types.
  M112 Warning:
               Wintertime Reformulated Gasoline Rules Apply
*** I/M credits for Tech1&2 vehicles were read from the following external
    data file: TECH12.D
  M 48 Warning:
              there are no sales for vehicle class HDGV8b
  M 48 Warning:
              there are no sales for vehicle class LDDT12

 LEV phase-in data read from file NLEVNE.D
                    Calendar Year:  2025
                            Month:  Jan.
                         Altitude:  Low
              Minimum Temperature:  41.0 (F)
              Maximum Temperature:  41.0 (F)
                Absolute Humidity:   75. grains/lb
              Fuel Sulfur Content:   30. ppm

              Exhaust I/M Program:  Yes
                 Evap I/M Program:  Yes
                      ATP Program:  Yes
                 Reformulated Gas:  Yes

      Vehicle Type:      LDGV    LDGT12    LDGT34      LDGT      HDGV      LDDV      LDDT      HDDV        MC   All Veh
              GVWR:                <6000     >6000     (All)
                       ------    ------    ------    ------    ------    ------    ------    ------    ------    ------
  VMT Distribution:    0.3096    0.4882    0.1664              0.0091    0.0003    0.0025    0.0221    0.0018    1.0000
 ---------------------------------------------------------------------------------------------------------------------
 Composite Emission Factors (g/mi):
    Composite CO  :     17.53     16.32     18.24     16.81     35.33     1.857     1.088     1.455    102.11    16.972
 ---------------------------------------------------------------------------------------------------------------------
```

APPENDIX B
CAL3QHC Output Files for the Following Scenarios:

2005 AM Peak
2005 PM Peak

2025 No-Build AM Peak
2025 No-Build PM Peak

2025 Build AM Peak
2025 Build PM Peak

CAL3QHC Output Files for the Following Scenario:
2005 AM Peak

```
                 CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221
JOB: SUT2005 AM Peak                                     RUN: SUT2005AMPeak

DATE :  3/ 1/ 6
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   The MODE flag has been set to C for calculating CO averages.

 SITE & METEOROLOGICAL VARIABLES
 -------------------------------
 VS =    .0 CM/S       VD =    .0 CM/S       Z0 = 175. CM
  U =  1.0 M/S         CLAS =   4  (D)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =  3.0 PPM

 LINK VARIABLES
 --------------
   LINK DESCRIPTION     *         LINK COORDINATES (FT)          *    LENGTH  BRG TYPE   VPH    EF      H   W    V/C QUEUE
                        *   X1        Y1        X2        Y2     *     (FT)  (DEG)            (G/MI)  (FT) (FT)       (VEH)
------------------------*----------------------------------------*-------------------------------------------------------
 1. JeffersonNBApp1     *       .0     268.0     662.0     332.0 *     665.    84. AG    463.  15.8    .0 42.0
 2. JeffersonNBApp2     *    662.0     332.0     774.0     395.0 *     129.    61. AG    463.  15.8    .0 42.0
 3. JeffersonNBApp3     *    774.0     395.0     897.0     597.0 *     237.    31. AG    463.  15.8    .0 42.0
 4. JeffersonNBRTQueue  *    872.0     548.0     839.4     496.8 *      61.   212. AG    173. 100.0    .0 11.0  .32   3.1
 5. JeffersonNBLQueue   *    862.0     554.0     600.5     112.7 *     513.   211. AG    243. 100.0    .0 11.0 1.11  26.1
 6. MyrtleNBDep         *    915.0     588.0    1280.0    1190.0 *     704.    31. AG    218.  15.8    .0 42.0
 7. MyrtleNBMid1        *   1280.0    1190.0    1722.0    1827.0 *     775.    35. AG    218.  15.8    .0 42.0
 8. ElmEBApp            *    218.0    1100.0     883.0     593.0 *     836.   127. AG    633.  15.8    .0 42.0
 9. ElmEBTRLQueue       *    842.0     626.0     770.7     680.7 *      90.   307. AG    301. 100.0    .0 22.0  .34   4.6
10. ElmEBDep            *    883.0     593.0    1668.0        .0 *     984.   127. AG    462.  15.8    .0 42.0
11. MyrtleSBApp         *   1262.0    1202.0     883.0     607.0 *     705.   212. AG    349.  15.8    .0 42.0
12. MyrtleSBRTQueue     *    904.0     651.0    1199.7    1131.6 *     564.    32. AG    228. 100.0    .0 11.0 1.10  28.7
13. MyrtleSBLQueue      *    914.0     646.0     916.4     650.0 *       5.    31. AG    286. 100.0    .0 11.0  .17    .2
14. Jefferson SBDep     *    883.0     607.0     758.0     408.0 *     235.   212. AG    487.  15.8    .0 42.0
15. ElmWBApp            *   1681.0      19.0     894.0     610.0 *     984.   307. AG    990.  15.8    .0 42.0
16. ElmWBTRLQueue       *    942.0     578.0    1054.2     493.0 *     141.   127. AG    301. 100.0    .0 22.0  .37   7.2
17. ElmWBDep            *    894.0     610.0     226.0    1116.0 *     838.   307. AG   1268.  15.8    .0 42.0
18. MyrtleNBMid2        *   1722.0    1827.0    1797.0    1956.0 *     149.    30. AG    341.  15.8    .0 42.0
19. MyrtleNBApp         *   1797.0    1956.0    2027.0    2542.0 *     630.    21. AG    341.  15.8    .0 42.0
20. MyrtleNBRLQueue     *   2011.0    2478.0    1993.0    2429.2 *      52.   200. AG    324. 100.0    .0 22.0  .24   2.6
21. Mtl-EMDepLinApp     *   2023.0    2542.0    2679.0    2626.0 *     661.    83. AG    735.  15.8    .0 42.0
22. EMLincolnEBLQueue   *   2611.0    2626.0    2600.6    2624.8 *      10.   263. AG    116. 100.0    .0 11.0  .05    .5
23. EMLincolnEBRTQueue  *   2613.0    2612.0    2523.8    2601.9 *      90.   264. AG    278. 100.0    .0 22.0  .19   4.6
```

LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
24. EMLinEBDep1	2679.0	2626.0	3132.0	2681.0	456.	83.	AG	802.	15.8	.0	42.0		
25. EMLinEBDep2	3132.0	2681.0	3622.0	2847.0	517.	71.	AG	802.	15.8	.0	42.0		
26. EMLinWBApp1	3614.0	2877.0	3127.0	2709.0	515.	251.	AG	751.	15.8	.0	42.0		
27. EMLinWBApp2	3127.0	2709.0	2659.0	2648.0	472.	263.	AG	751.	15.8	.0	42.0		
28. EMLinWBLQueue	2710.0	2640.0	2736.2	2643.5	26.	82.	AG	101.	100.0	.0	11.0	.12	1.3
29. EMLinWBRTQueue	2708.0	2655.0	2777.7	2664.2	70.	82.	AG	243.	100.0	.0	22.0	.15	3.6
30. EMLinDepMtlApp	2659.0	2648.0	2018.0	2560.0	647.	262.	AG	812.	15.8	.0	42.0		
31. EMWBMtlTLQueue	2053.0	2566.0	2067.6	2568.0	15.	82.	AG	283.	100.0	.0	22.0	.05	.7
32. LockwoodNBApp	2621.0	1608.0	2690.0	2628.0	1022.	4.	AG	300.	15.8	.0	42.0		
33. LockwoodNBLRTQueue	2691.0	2578.0	2686.8	2520.7	57.	184.	AG	405.	100.0	.0	22.0	.38	2.9
34. LincolnNBDep	2663.0	2622.0	2619.0	3342.0	721.	357.	AG	72.	15.8	.0	35.0		
35. LincolnSBApp	2605.0	3341.0	2645.0	2621.0	721.	177.	AG	134.	15.8	.0	35.0		
36. LincolnSBRLTQueue	2643.0	2675.0	2640.1	2726.2	51.	357.	AG	202.	100.0	.0	15.0	.31	2.6
37. LockwoodSBDep	2679.0	2626.0	2608.0	1610.0	1018.	184.	AG	238.	15.8	.0	35.0		
38. MyrtleSBDep	2000.0	2546.0	1778.0	1967.0	620.	201.	AG	319.	15.8	.0	42.0		
39. MyrtleSBMid1	1778.0	1967.0	1703.0	1838.0	149.	210.	AG	319.	15.8	.0	42.0		
40. MyrtleSBMid2	1703.0	1838.0	1262.0	1202.0	774.	215.	AG	349.	15.8	.0	42.0		
41. MtlEMWBDepCstlApp	2018.0	2560.0	1826.0	2532.0	194.	262.	AG	919.	15.8	.0	35.0		
42. CrystalNBDep	1836.0	2533.0	1912.0	3113.0	585.	7.	AG	30.	15.8	.0	35.0		
43. CrystalSBApp	1902.0	3115.0	1814.0	2529.0	593.	189.	AG	100.	15.8	.0	35.0		
44. CrystalSBRLQueue	1818.0	2554.0	1823.3	2593.8	40.	8.	AG	202.	100.0	.0	11.0	.23	2.0

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LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
45. EMCstlWBDepStateApp	1826.0	2532.0	1658.0	2488.0	174.	255.	AG	976.	15.8	.0	35.0		
46. EMStateWBTLQueue	1698.0	2499.0	1951.5	2563.3	262.	76.	AG	142.	100.0	.0	11.0	.59	13.3
47. EMStateWBDep	1658.0	2488.0	1085.0	2350.0	589.	256.	AG	963.	15.8	.0	35.0		
48. EMStateEBApp	1090.0	2330.0	1662.0	2465.0	588.	77.	AG	770.	15.8	.0	35.0		
49. EMStateEBTRQueue	1610.0	2452.0	1409.1	2404.9	206.	257.	AG	142.	100.0	.0	11.0	.43	10.5
50. StateSBDep1	1671.0	2468.0	1639.0	2394.0	81.	203.	AG	23.	15.8	.0	35.0		
51. StateSBDep2	1639.0	2394.0	1592.0	2336.0	75.	219.	AG	23.	15.8	.0	35.0		
52. StateSBDep3	1592.0	2336.0	1305.0	2072.0	390.	227.	AG	23.	15.8	.0	35.0		
53. StateNBApp1	1318.0	2059.0	1602.0	2324.0	388.	47.	AG	60.	15.8	.0	35.0		
54. StateNBApp2	1602.0	2324.0	1652.0	2386.0	80.	39.	AG	60.	15.8	.0	35.0		
55. StateNBApp3	1652.0	2386.0	1692.0	2472.0	95.	25.	AG	60.	15.8	.0	35.0		
56. StateNBRLQueue	1674.0	2433.0	1667.2	2418.4	16.	205.	AG	142.	100.0	.0	11.0	.08	.8
57. EMStateEBDepCstlApp	1662.0	2465.0	1832.0	2508.0	175.	76.	AG	820.	15.8	.0	35.0		
58. EMCstlEBDepMyrtleApp	1832.0	2508.0	2023.0	2542.0	194.	80.	AG	820.	15.8	.0	35.0		
59. EMEBMyrtleTRQueue	1918.0	2520.0	1809.2	2504.8	110.	262.	AG	283.	100.0	.0	11.0	.25	5.6
60. I-95 SB-1	3700.0	2570.0	2700.0	2320.0	1031.	256.	FL	6264.	18.0	30.0	52.0		
61. I-95 SBBR-2	2700.0	2320.0	2600.0	2300.0	102.	259.	BR	6264.	18.0	30.0	52.0		
62. I-95 SB-3	2600.0	2300.0	1955.0	2140.0	665.	256.	FL	6264.	18.0	30.0	52.0		
63. I-95 SBBR-4	1955.0	2140.0	1160.0	1940.0	820.	256.	BR	6264.	18.0	30.0	52.0		
64. I-95 SBBR-5	1160.0	1940.0	1000.0	1895.0	166.	254.	BR	6264.	18.0	30.0	52.0		
65. I-95 SB-6	1000.0	1895.0	640.0	1700.0	409.	242.	FL	6224.	18.0	30.0	52.0		
66. I-95 SB-7	640.0	1700.0	475.0	1580.0	204.	234.	FL	6224.	18.0	30.0	52.0		
67. I-95 SB-8	475.0	1580.0	290.0	1435.0	235.	232.	FL	6224.	18.0	30.0	52.0		
68. I-95 NB-1	290.0	1375.0	470.0	1525.0	234.	50.	FL	4840.	18.0	30.0	52.0		
69. I-95 NB-2	470.0	1525.0	575.0	1600.0	129.	54.	FL	4840.	18.0	30.0	52.0		
70. I-95 NB-3	575.0	1600.0	760.0	1715.0	218.	58.	FL	4840.	18.0	30.0	52.0		
71. I-95 NB-4	760.0	1715.0	950.0	1815.0	215.	62.	FL	4840.	18.0	30.0	52.0		
72. I-95 NBBR-5	950.0	1815.0	1160.0	1890.0	223.	70.	BR	4840.	18.0	30.0	52.0		
73. I-95 NBBR-6	1160.0	1890.0	1933.0	2082.0	796.	76.	BR	4840.	18.0	30.0	52.0		
74. I-95 NB-7	1933.0	2082.0	2600.0	2240.0	685.	77.	FL	4840.	18.0	30.0	52.0		
75. I-95 NBBR-8	2600.0	2240.0	2700.0	2270.0	104.	73.	BR	4840.	18.0	30.0	52.0		
76. I-95 NB-9	2700.0	2270.0	3700.0	2500.0	1026.	77.	FL	4840.	18.0	30.0	52.0		

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ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. JeffersonNBRTQueue	*	105	60	1.0	185	1467	113.17	2	3
5. JeffersonNBLQueue	*	105	84	1.0	278	1459	113.17	2	1
9. ElmEBTRLQueue	*	105	52	1.0	633	1928	113.17	2	1
12. MyrtleSBRTQueue	*	105	79	1.0	342	1428	113.17	2	1
13. MyrtleSBLQueue	*	105	99	1.0	7	1459	113.17	2	1
16. ElmWBTRLQueue	*	105	52	1.0	990	2787	113.17	2	1
20. MyrtleNBRLQueue	*	105	56	1.0	341	1595	113.17	2	4
22. EMLincolnEBLQueue	*	105	40	1.0	48	1770	113.17	2	4
23. EMLincolnEBRTQueue	*	105	48	1.0	685	3428	113.17	2	5
28. EMLinWBLQueue	*	105	35	1.0	138	1770	113.17	2	4
29. EMLinWBRTQueue	*	105	42	1.0	613	3514	113.17	2	4
31. EMWBMtlTLQueue	*	105	49	1.0	111	2337	113.17	2	3
33. LockwoodNBLRTQueue	*	105	70	1.0	300	1305	113.17	2	3
36. LincolnSBRLTQueue	*	105	70	1.0	134	1398	113.17	2	4
44. CrystalSBRLQueue	*	105	70	1.0	100	1447	113.17	2	1
46. EMStateWBTLQueue	*	105	49	1.0	976	3294	113.17	2	4
49. EMStateEBTRQueue	*	105	49	1.0	770	3533	113.17	2	4
56. StateNBRLQueue	*	105	49	1.0	60	1447	113.17	2	5
59. EMEBMyrtleTRQueue	*	105	49	1.0	820	3304	113.17	2	5

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. Rec 1 ElmMyrtle	850.0	460.0	6.0
2. Rec 2 ElmMyrtle	900.0	550.0	6.0
3. Rec 3 ElmMyrtle	980.0	490.0	6.0
4. Rec 4 ElmMyrtle	1060.0	515.0	6.0
5. Rec 5 ElmMyrtle	960.0	593.0	6.0
6. Rec 6 ElmMyrtle	975.0	636.0	6.0
7. Rec 7 ElmMyrtle	1030.0	730.0	6.0
8. Rec 8 ElmMyrtle	1100.0	845.0	6.0
9. Rec 9 ElmMyrtle	1040.0	896.0	6.0
10. Rec 10 ElmMyrtle	952.0	760.0	6.0
11. Rec 11 ElmMyrtle	883.0	658.0	6.0
12. Rec 12 ElmMyrtle	790.0	723.0	6.0
13. Rec 13 ElmMyrtle	710.0	690.0	6.0
14. Rec 14 ElmMyrtle	845.0	590.0	6.0
15. Rec 15 ElmMyrtle	780.0	495.0	6.0
16. Rec 16 MyrtleEMain	1915.0	2160.0	6.0
17. Rec 17 MyrtleEMain	2010.0	2410.0	6.0
18. Rec 18 MyrtleEMain	2045.0	2505.0	6.0
19. Rec 19 MyrtleEMain	2090.0	2525.0	6.0
20. Rec 20 MyrtleEMain	2040.0	2588.0	6.0
21. Rec 21 MyrtleEMain	1860.0	2560.0	6.0
22. Rec 22 MyrtleEMain	1925.0	2425.0	6.0
23. Rec 23 MyrtleEMain	1840.0	2240.0	6.0
24. Rec 24 EMState	1760.0	2540.0	6.0
25. Rec 25 EMState	1655.0	2515.0	6.0
26. Rec 26 EMState	1510.0	2480.0	6.0

JOB: SUT2005 AM Peak RUN: SUT2005AMPeak

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RECEPTOR LOCATIONS (cont)

RECEPTOR	COORDINATES (FT) X	Y	Z
27. Rec 27 EMState	1520.0	2405.0	6.0
28. Rec 28 EMState	1620.0	2430.0	6.0
29. Rec 29 EMState	1492.0	2275.0	6.0
30. Rec 30 EMState	1605.0	2295.0	6.0
31. Rec 31 EMState	1715.0	2450.0	6.0
32. Rec 32 EMState	1765.0	2463.0	6.0
33. Rec 33 EMLinLoc	2500.0	2577.0	6.0
34. Rec 34 EMLinLoc	2610.0	2590.0	6.0
35. Rec 35 EMLinLoc	2640.0	2400.0	6.0
36. Rec 36 EMLinLoc	2705.0	2395.0	6.0
37. Rec 37 EMLinLoc	2712.0	2575.0	6.0
38. Rec 38 EMLinLoc	2790.0	2608.0	6.0
39. Rec 39 EMLinLoc	2770.0	2690.0	6.0
40. Rec 40 EMLinLoc	2715.0	2680.0	6.0
41. Rec 41 EMLinLoc	2670.0	2830.0	6.0
42. Rec 42 EMLinLoc	2615.0	2760.0	6.0
43. Rec 43 EMLinLoc	2620.0	2670.0	6.0
44. Rec 44 EMLinLoc	2520.0	2655.0	6.0
45. Rec 45 Lockwood-S95	2690.0	2145.0	6.0
46. Rec 46 Myrtle-S95E	1820.0	1925.0	6.0
47. Rec 47 Myrtle-S95W	1750.0	1990.0	6.0

JOB: SUT2005 AM Peak RUN: SUT2005AMPeak

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	5.0	5.0	5.1	3.8	4.1	4.1	4.1	4.1	3.7	3.6	3.6	3.5	4.3	4.6	4.0	3.5	4.3	3.6	3.7	3.0
10.	4.9	4.8	5.1	3.4	4.1	4.2	4.2	4.2	3.7	3.7	3.7	3.7	4.5	4.7	4.1	3.3	3.8	3.7	3.6	3.0
20.	4.7	4.6	4.6	3.5	3.8	4.0	4.1	4.0	3.9	3.9	3.7	3.6	4.4	4.6	4.1	3.3	3.5	3.7	3.7	3.0
30.	4.4	4.7	4.6	3.4	3.9	4.0	3.9	3.9	4.5	4.4	4.3	3.6	4.1	5.1	4.4	3.3	3.3	3.7	3.7	3.0
40.	4.1	4.6	4.5	3.4	3.6	3.8	3.8	3.7	4.9	4.8	4.6	3.6	4.4	5.0	4.6	3.2	3.3	3.6	3.7	3.0
50.	3.9	4.3	4.4	3.2	3.4	3.4	3.4	3.5	4.8	4.7	4.5	3.7	4.4	4.9	4.6	3.4	3.4	3.7	3.9	3.0
60.	3.7	4.1	4.3	3.2	3.2	3.2	3.2	3.2	4.5	4.4	4.2	3.5	4.3	4.4	4.4	4.0	3.3	3.7	3.9	3.1
70.	3.5	4.0	4.1	3.0	3.0	3.0	3.0	3.0	4.1	4.0	3.9	3.3	4.1	4.3	4.6	6.2	3.3	3.7	4.0	3.3
80.	3.4	4.2	4.1	3.0	3.0	3.0	3.0	3.0	4.0	3.9	3.8	3.3	4.1	4.3	4.6	8.2	3.7	3.8	4.1	3.9
90.	3.4	4.3	4.0	3.0	3.0	3.0	3.0	3.0	4.0	3.9	3.8	3.3	4.2	4.4	4.3	8.7	4.5	4.0	4.2	4.6
100.	3.3	4.3	4.0	3.1	3.1	3.0	3.0	3.0	4.0	3.9	3.7	3.3	4.5	4.5	4.3	7.5	4.7	4.3	4.4	5.2
110.	3.3	4.3	4.0	3.2	3.3	3.0	3.0	3.0	4.0	3.9	3.8	3.4	4.6	4.7	4.1	6.4	4.8	4.4	4.4	5.4
120.	3.2	4.0	3.8	3.6	3.7	3.1	3.0	3.0	3.9	3.9	4.1	3.8	4.3	4.6	4.0	5.8	4.5	4.4	4.3	5.3
130.	3.0	3.7	3.6	4.0	4.4	3.3	3.1	3.0	4.0	4.0	4.5	4.3	4.2	4.0	3.8	5.3	4.5	4.2	4.2	5.4
140.	3.0	3.2	3.2	4.1	4.8	3.5	3.2	3.0	4.0	4.2	4.6	4.5	3.6	3.8	3.8	4.9	4.5	4.2	4.2	5.1
150.	3.0	3.0	3.1	4.0	4.9	3.8	3.3	3.1	4.1	4.3	4.3	4.9	3.3	3.7	3.8	4.7	4.5	4.2	4.2	5.0
160.	3.0	3.0	3.0	4.0	4.8	3.8	3.3	3.1	4.1	4.4	4.2	4.8	3.2	4.0	3.8	4.4	4.5	4.2	4.2	4.9
170.	3.0	3.0	3.0	3.9	4.8	3.9	3.4	3.1	4.2	4.5	4.1	4.9	3.2	4.1	3.9	4.3	4.4	4.2	4.2	4.8
180.	3.0	3.0	3.0	3.9	4.6	3.8	3.5	3.1	4.4	4.4	4.3	4.8	3.1	4.2	3.9	4.2	4.4	4.2	4.2	4.9
190.	3.0	3.0	3.0	4.0	4.5	3.8	3.4	3.2	4.5	4.4	4.7	4.4	3.1	4.3	3.9	4.2	4.6	4.5	4.3	5.3
200.	3.1	3.2	3.0	4.2	4.5	3.8	3.5	3.3	4.6	4.4	4.7	4.2	3.0	4.1	3.7	4.4	4.6	4.6	4.4	5.1
210.	3.4	3.7	3.0	4.4	4.6	3.9	3.6	3.5	4.1	4.4	4.4	4.0	3.0	3.8	3.5	4.9	4.8	5.1	4.5	5.3
220.	3.6	4.1	3.1	4.5	4.9	4.2	3.7	3.7	3.9	3.9	4.1	3.9	3.0	3.4	3.3	5.5	4.8	5.0	4.6	5.2
230.	3.9	4.4	3.2	4.6	4.7	4.1	3.9	3.8	3.5	3.6	3.9	3.8	3.0	3.2	3.1	6.4	5.1	5.2	4.8	5.3
240.	4.0	4.4	3.2	4.8	4.7	3.9	3.8	3.8	3.2	3.4	4.1	3.8	3.0	3.1	3.1	8.1	5.0	5.0	4.8	5.4

WIND * CONCENTRATION (cont)
ANGLE * (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
250. *	4.0	4.3	3.4	4.8	4.3	4.1	3.8	3.7	3.2	3.4	4.2	3.8	3.0	3.0	3.1	8.1	4.1	4.1	4.2	4.7
260. *	3.9	4.1	3.4	5.2	4.2	3.9	3.9	3.7	3.2	3.3	4.3	4.0	3.0	3.0	3.0	6.2	3.5	4.1	4.2	4.2
270. *	3.8	3.9	3.5	5.1	4.3	4.0	3.8	3.7	3.2	3.3	4.5	4.1	3.0	3.0	3.0	4.2	3.4	4.3	4.5	3.4
280. *	3.8	3.7	3.5	5.4	4.6	4.1	3.8	3.7	3.1	3.3	4.5	4.2	3.0	3.0	3.0	3.4	3.6	4.3	4.3	3.1
290. *	3.8	3.7	3.6	5.3	4.6	4.2	3.8	3.6	3.1	3.3	4.4	4.3	3.1	3.2	3.0	3.4	3.6	4.1	4.1	3.0
300. *	3.8	3.9	3.9	5.0	4.6	3.9	3.6	3.7	3.2	3.1	4.1	4.2	3.4	3.6	3.0	3.4	3.9	4.0	3.9	3.0
310. *	4.0	4.6	4.2	4.4	4.2	3.9	3.7	3.9	3.6	3.2	3.6	3.7	3.8	4.3	3.1	3.4	4.0	3.9	3.9	3.0
320. *	4.1	5.0	4.5	3.7	3.9	3.8	4.0	4.0	3.6	3.4	3.4	3.5	4.3	4.9	3.3	3.2	4.2	3.7	3.9	3.0
330. *	4.6	5.0	4.6	3.7	3.9	4.0	4.1	4.1	3.6	3.5	3.6	3.6	4.3	5.1	3.5	3.5	4.3	3.8	3.8	3.0
340. *	4.8	5.0	5.0	3.5	4.0	4.0	4.0	4.0	3.5	3.5	3.6	3.6	4.6	5.2	3.7	3.4	4.2	3.7	3.7	3.0
350. *	4.9	4.8	5.0	3.6	4.0	4.0	4.0	4.0	3.7	3.5	3.5	3.6	4.5	4.9	4.0	3.4	4.3	3.6	3.8	3.0
360. *	5.0	5.0	5.1	3.8	4.1	4.1	4.1	4.1	3.7	3.6	3.6	3.5	4.3	4.6	4.0	3.5	4.3	3.6	3.7	3.0
MAX *	5.0	5.0	5.1	5.4	4.9	4.2	4.2	4.2	4.9	4.8	4.7	4.9	4.6	5.2	4.6	8.7	5.1	5.2	4.8	5.4
DEGR. *	0	0	0	280	150	220	10	10	40	40	190	150	340	340	40	90	230	230	230	110

WIND * CONCENTRATION (cont)
ANGLE * (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0. *	3.0	3.6	3.3	3.0	3.0	3.0	3.9	3.7	3.3	3.3	3.9	3.9	3.7	4.4	3.6	3.6	3.9	3.7	3.0	3.0
10. *	3.0	3.5	3.4	3.0	3.0	3.0	4.0	3.7	3.3	3.2	3.9	3.9	3.6	4.2	3.6	3.5	3.8	3.5	3.0	3.0
20. *	3.0	3.4	3.3	3.0	3.0	3.0	4.0	3.8	3.3	3.4	3.9	4.0	3.8	4.0	3.9	3.2	3.8	3.6	3.0	3.0
30. *	3.0	3.5	3.4	3.0	3.0	3.0	4.0	3.9	3.3	3.3	3.9	4.2	3.9	4.0	3.7	3.2	3.7	3.6	3.0	3.0
40. *	3.0	3.8	3.6	3.1	3.0	3.0	4.0	3.9	3.4	3.4	4.1	4.3	4.1	3.9	3.6	3.2	3.6	3.7	3.0	3.0
50. *	3.0	3.9	3.5	3.1	3.0	3.0	4.2	4.0	3.3	3.6	4.1	4.3	4.4	3.9	3.4	3.2	3.6	3.8	3.0	3.0
60. *	3.1	4.0	3.4	3.2	3.1	3.0	4.1	4.3	3.1	3.5	4.4	4.5	4.6	4.0	3.6	3.4	3.5	3.9	3.0	3.1
70. *	3.4	4.0	3.8	3.6	3.5	3.3	4.3	4.2	3.5	3.4	4.2	4.2	4.7	4.2	4.0	4.1	3.7	3.9	3.2	3.2
80. *	4.1	4.3	5.2	4.4	4.5	4.5	4.3	4.4	3.9	3.9	3.9	4.2	4.6	4.6	5.3	5.7	3.8	3.9	3.6	3.9
90. *	4.9	4.7	6.1	5.3	5.2	5.0	4.2	4.3	4.7	4.7	4.6	4.5	4.5	4.5	6.5	6.9	4.0	3.9	4.2	4.6
100. *	5.4	4.9	5.9	6.1	5.5	5.2	4.4	4.5	4.7	4.7	4.5	4.5	4.6	4.9	6.6	7.1	4.5	4.4	4.6	5.2
110. *	5.8	4.9	5.8	6.2	5.3	5.0	4.3	4.5	4.6	4.7	4.3	4.4	4.6	5.1	6.4	6.8	4.7	4.6	5.0	5.6
120. *	6.1	4.7	5.6	5.6	4.9	5.2	4.2	4.2	4.5	4.6	4.2	4.2	4.4	5.1	6.2	6.7	4.7	4.5	5.0	5.8
130. *	5.7	4.6	5.3	5.3	4.8	5.1	4.2	4.2	4.4	4.5	4.2	4.2	4.3	4.9	5.8	6.4	4.5	4.5	4.9	5.6
140. *	5.7	4.7	5.2	5.2	4.7	4.9	4.1	4.2	4.3	4.4	4.2	4.0	4.2	4.8	5.6	6.3	4.5	4.5	5.0	5.6
150. *	5.6	4.6	4.8	5.0	4.5	4.8	4.0	4.1	4.2	4.2	4.1	4.0	4.4	4.6	5.4	6.3	4.5	4.4	4.9	5.7
160. *	5.7	4.6	4.8	5.1	4.6	4.7	4.0	4.0	4.2	4.3	4.1	4.1	4.3	4.5	5.2	6.1	4.5	4.5	5.1	5.6

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	(PPM)																			
170.	5.6	4.6	4.9	5.1	4.6	4.7	4.0	4.0	4.2	4.3	4.0	4.1	4.2	4.5	4.9	6.0	4.5	4.5	5.3	5.8
180.	5.5	4.7	4.8	4.9	4.8	4.8	4.0	4.0	4.2	4.2	4.0	4.0	4.2	4.5	5.2	5.8	4.8	4.5	5.4	6.0
190.	5.3	4.5	4.9	5.1	4.6	4.9	4.0	4.0	4.3	4.4	4.1	4.1	4.3	4.3	5.1	5.6	5.3	4.5	5.7	5.9
200.	5.4	4.5	4.8	5.1	4.7	5.1	4.0	4.1	4.3	4.4	4.2	4.2	4.4	4.4	5.3	5.5	5.4	4.7	5.9	5.5
210.	5.6	4.5	5.0	5.1	4.9	5.2	4.1	4.2	4.5	4.5	4.2	4.2	4.4	4.5	5.6	5.6	5.8	4.7	5.9	5.5
220.	5.7	4.4	5.2	5.5	5.0	5.6	4.4	4.6	4.7	4.7	4.4	4.3	4.5	4.7	6.0	6.0	6.1	4.8	6.2	5.4
230.	5.9	4.6	5.5	5.6	5.3	5.0	4.2	4.4	5.1	5.1	4.6	4.5	4.5	4.6	6.4	6.7	6.3	5.2	6.1	5.4
240.	5.7	4.4	5.9	5.1	4.7	4.4	3.8	4.0	4.3	4.5	4.1	4.1	4.5	4.6	6.8	7.2	6.2	5.0	5.6	5.4
250.	4.7	3.5	5.0	4.2	4.0	3.8	3.3	3.6	3.2	3.6	3.6	3.6	3.9	4.1	6.3	7.0	5.3	4.4	4.9	4.7
260.	4.1	3.2	3.6	3.6	3.5	3.4	3.7	4.0	3.0	3.0	3.9	3.9	3.7	3.9	4.5	5.2	4.6	3.9	4.1	4.1
270.	3.5	3.3	3.0	3.2	3.1	3.1	4.1	4.3	3.0	3.2	4.1	4.0	3.8	4.2	3.2	3.7	4.6	4.0	3.5	3.5
280.	3.3	3.4	3.2	3.0	3.0	3.0	4.2	4.3	3.2	3.2	4.0	3.9	4.0	4.7	3.1	3.3	4.5	3.9	3.2	3.3
290.	3.3	3.4	3.2	3.0	3.0	3.0	4.2	4.3	3.2	3.2	3.9	4.0	3.9	4.7	3.2	3.4	4.3	3.9	3.1	3.2
300.	3.2	3.4	3.2	3.0	3.0	3.0	4.1	4.1	3.2	3.3	3.9	3.9	3.8	4.6	3.2	3.4	3.9	4.1	3.0	3.1
310.	3.2	3.7	3.2	3.0	3.0	3.0	4.0	4.0	3.2	3.3	3.7	3.9	3.7	4.6	3.2	3.4	3.9	4.0	3.0	3.1
320.	3.1	3.7	3.1	3.0	3.0	3.0	4.0	3.9	3.2	3.3	3.8	3.9	3.7	4.5	3.2	3.6	3.8	3.9	3.0	3.0
330.	3.1	3.6	3.2	3.0	3.0	3.0	3.9	3.9	3.3	3.3	3.7	3.9	3.6	4.4	3.3	3.7	3.8	3.8	3.0	3.0
340.	3.0	3.7	3.2	3.0	3.0	3.0	4.0	3.8	3.3	3.3	3.8	3.9	3.6	4.4	3.3	3.7	3.7	3.8	3.0	3.0
350.	3.0	3.7	3.4	3.0	3.0	3.0	4.0	3.8	3.3	3.3	3.8	3.9	3.7	4.4	3.3	3.6	3.6	3.8	3.0	3.0
360.	3.0	3.6	3.3	3.0	3.0	3.0	3.9	3.7	3.3	3.3	3.9	3.9	3.7	4.4	3.6	3.6	3.9	3.7	3.0	3.0
MAX	6.1	4.9	6.1	6.2	5.5	5.6	4.4	4.6	5.1	5.1	4.6	4.5	4.7	5.1	6.8	7.2	6.3	5.2	6.2	6.0
DEGR.	120	100	90	110	100	220	100	220	230	230	90	60	70	110	240	240	230	230	220	180

JOB: SUT2005 AM Peak RUN: SUT2005AMPeak

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (cont) (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47
0.	3.0	3.1	3.2	3.0	4.9	4.8	4.3
10.	3.0	3.1	3.3	3.0	5.2	4.9	4.5
20.	3.0	3.1	3.4	3.0	5.5	5.2	4.8
30.	3.0	3.1	3.5	3.0	5.5	5.2	5.4
40.	3.0	3.1	3.6	3.0	5.6	5.4	6.0
50.	3.0	3.1	3.5	3.0	5.8	5.7	6.6
60.	3.0	3.1	3.5	3.1	5.7	5.8	7.5
70.	3.0	3.1	3.6	3.3	4.8	5.2	7.6
80.	3.0	3.1	4.2	3.8	3.6	3.8	5.8
90.	3.3	3.6	4.7	4.5	3.1	3.1	3.9
100.	3.6	3.9	5.2	5.2	3.0	3.0	3.3
110.	4.0	4.5	5.3	5.5	3.0	3.0	3.2
120.	4.2	4.6	5.2	5.4	3.0	3.0	3.2
130.	4.2	4.6	5.2	5.4	3.0	3.0	3.3
140.	4.3	4.6	5.4	5.5	3.0	3.0	3.2
150.	4.2	4.7	5.2	5.2	3.0	3.0	3.2
160.	4.2	4.9	5.2	5.4	3.0	3.0	3.2
170.	4.4	4.9	5.2	5.0	3.0	3.0	3.2
180.	4.5	4.6	5.2	5.1	3.1	3.0	3.3
190.	4.6	4.5	5.1	5.0	3.3	3.0	3.2
200.	4.5	4.5	5.2	4.9	3.3	3.0	3.3
210.	4.4	4.4	5.3	4.9	3.3	3.2	3.2
220.	4.5	4.5	5.5	5.2	3.3	3.3	3.1
230.	4.1	4.5	5.4	5.1	3.3	3.4	3.0
240.	4.0	4.0	5.2	5.1	3.2	3.4	3.5

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	*	(PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47
250.	*	3.6	3.5	4.4	4.3	4.0	4.1	5.1
260.	*	3.1	3.1	3.7	3.7	5.3	5.0	6.4
270.	*	3.1	3.0	3.4	3.4	6.1	5.5	6.8
280.	*	3.1	3.0	3.1	3.1	6.1	5.6	6.2
290.	*	3.1	3.0	3.0	3.0	5.8	5.3	5.6
300.	*	3.1	3.0	3.0	3.0	5.6	5.1	5.1
310.	*	3.1	3.0	3.0	3.0	5.4	5.1	5.0
320.	*	3.1	3.0	3.0	3.0	5.5	5.1	4.7
330.	*	3.2	3.0	3.0	3.0	5.2	4.9	4.5
340.	*	3.2	3.0	3.0	3.0	5.1	4.7	4.4
350.	*	3.2	3.1	3.1	3.0	5.1	4.8	4.3
360.	*	3.0	3.1	3.2	3.0	4.9	4.8	4.3
MAX	*	4.6	4.9	5.5	5.5	6.1	5.8	7.6
DEGR.	*	190	160	220	110	270	60	70

THE HIGHEST CONCENTRATION OF 8.70 PPM OCCURRED AT RECEPTOR REC16.

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JOB: SUT2005 AM Peak RUN: SUT2005AMPeak

DATE : 3/ 1/ 6
TIME : 12:40: 8

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	0	0	0	280	150	220	10	10	40	40	190	150	340	340	40	90	230	230	230	110
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.3	.2	.0	.1	.0	.1	.0	.0	.0	.0	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0
4	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.3	.0	.0	.1	.0	.3	.0	.0	.0	.0	.3	.1	.0	.0	.1	.0	.0	.0	.0	.0
6	.0	.0	.1	.0	.0	.1	.2	.2	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.4	.4	.1	.0	.0	.0	.0	.0
9	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.6	.0	.0	.0	.0	.0	.0
10	.0	.2	.3	.2	.2	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.1	.1	.0	.0	.0	.1	.1	.3	.3	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0
12	.0	.2	.2	.0	.0	.0	.3	.3	.9	.8	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.2	.1	.0	.1	.0	.1	.0	.0	.0	.0	.2	.1	.0	.0	.2	.0	.0	.0	.0	.0
15	.0	.3	.4	.7	.7	.3	.0	.0	.0	.0	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0
16	.0	.0	.5	1.1	1.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
17	.2	.2	.0	.1	.0	.0	.0	.0	.0	.0	.5	.8	.6	.6	.1	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.2	.0
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	0	0	0	280	150	220	10	10	40	40	190	150	340	340	40	90	230	230	230	110
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: SUT2005 AM Peak RUN: SUT2005AMPeak

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	0	0	0	280	150	220	10	10	40	40	190	150	340	340	40	90	230	230	230	110
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.3	.0	.0	.0	.4
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
62	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.1	3.2	.0	.0	.0	.2
63	.0	.0	.1	.0	.0	.0	.2	.2	.1	.1	.0	.0	.0	.0	.1	.0	.9	.7	.7	.0
64	.0	.1	.1	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0
65	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.1	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0
70	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
71	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
72	.1	.1	.1	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0
73	.0	.0	.0	.0	.0	.0	.2	.2	.1	.1	.0	.0	.0	.0	.1	.0	.6	.4	.4	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	1.7	.0	.0	.0	.1
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.3

JOB: SUT2005 AM Peak RUN: SUT2005AMPeak

DATE : 3/ 1/ 6
TIME : 12:40: 8

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 120	REC22 100	REC23 90	REC24 110	REC25 100	REC26 220	REC27 100	REC28 220	REC29 230	REC30 230	REC31 90	REC32 60	REC33 70	REC34 110	REC35 240	REC36 240	REC37 230	REC38 230	REC39 220	REC40 180
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.5	.0	.0	.0	.0	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3	.3
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.4	.4

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 120	REC22 100	REC23 90	REC24 110	REC25 100	REC26 220	REC27 100	REC28 220	REC29 230	REC30 230	REC31 90	REC32 60	REC33 70	REC34 110	REC35 240	REC36 240	REC37 230	REC38 230	REC39 220	REC40 180
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.6	.5
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.0	.0
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.1	.1	.1
33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	1.2	.2	.1	.2
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.1	.1
38	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41	.6	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.0	.0	.0	.5	.6	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC21 120	REC22 100	REC23 90	REC24 110	REC25 100	REC26 220	REC27 100	REC28 220	REC29 230	REC30 230	REC31 90	REC32 60	REC33 70	REC34 110	REC35 240	REC36 240	REC37 230	REC38 230	REC39 220	REC40 180
46	.4	.0	.0	.4	.3	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	120	100	90	110	100	220	100	220	230	230	90	60	70	110	240	240	230	230	220	180
58	.3	.0	.0	.2	.1	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
59	.2	.0	.0	.4	.1	.0	.0	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0
60	.1	.4	.4	.2	.3	.0	.2	.0	.0	.0	.4	.0	.0	.9	.0	.0	.0	.0	.0	.4
61	.1	.1	.1	.1	.1	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0	.3	.0	.1	.1	.2
62	.6	.5	1.4	.5	.3	.0	.6	.0	.0	.0	.2	.0	.0	.0	2.1	2.1	.9	.9	.7	.1
63	.0	.0	.0	.0	.0	.2	.0	.5	.3	.6	.0	.0	.0	.0	.3	.2	.2	.1	.1	.0
64	.0	.0	.0	.0	.0	.2	.0	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.3	.0	.2	.4	.3	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.1	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.1	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.2	.0	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.1	.0	.3	.2	.3	.0	.0	.0	.0	.3	.2	.1	.1	.1	.0
74	.3	.2	.6	.3	.1	.0	.3	.0	.0	.0	.1	.0	.0	.0	1.0	1.2	.6	.6	.5	.1
75	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
76	.1	.3	.3	.2	.3	.0	.2	.0	.0	.0	.3	.0	.0	.6	.0	.0	.0	.0	.0	.3

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC41	REC42	REC43	REC44	REC45	REC46	REC47
	190	160	220	110	270	60	70
1	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC41 190	REC42 160	REC43 220	REC44 110	REC45 270	REC46 60	REC47 70
10	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.1
20	.0	.0	.0	.0	.0	.0	.0
21	.1	.1	.3	.3	.0	.0	.0
22	.0	.0	.0	.0	.0	.0	.0
23	.1	.0	.4	.2	.0	.0	.0
24	.0	.0	.0	.1	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0
27	.0	.1	.0	.1	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0
30	.1	.1	.5	.5	.0	.0	.0
31	.0	.0	.0	.0	.0	.0	.0
32	.1	.1	.0	.0	.1	.0	.0
33	.0	.1	.0	.1	.0	.0	.0
34	.1	.0	.0	.0	.0	.0	.0
35	.1	.1	.0	.0	.0	.0	.0
36	.1	.3	.0	.0	.0	.0	.0
37	.0	.0	.0	.0	.1	.0	.0
38	.0	.0	.0	.0	.0	.0	.2
39	.0	.0	.0	.0	.0	.0	.0
40	.0	.0	.0	.0	.0	.0	.0
41	.0	.0	.0	.0	.0	.0	.0
42	.0	.0	.0	.0	.0	.0	.0
43	.0	.0	.0	.0	.0	.0	.0
44	.0	.0	.0	.0	.0	.0	.0
45	.0	.0	.0	.0	.0	.0	.0

JOB: SUT2005 AM Peak RUN: SUT2005AMPeak

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC41 190	REC42 160	REC43 220	REC44 110	REC45 270	REC46 60	REC47 70
46	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0
60	.1	.5	.0	.7	.0	.3	.4
61	.2	.1	.0	.0	.0	.1	.1
62	.3	.0	.7	.0	.8	1.0	1.2
63	.0	.0	.1	.0	.5	.0	.2
64	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.1	.0	.0
66	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.1	.0	.3	.0	.7
74	.2	.0	.4	.0	1.2	1.1	1.3
75	.1	.1	.0	.0	.0	.1	.1
76	.0	.3	.0	.5	.0	.2	.3

CAL3QHC Output Files for the Following Scenario:
2005 PM Peak

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

JOB: SUT2005 PM Peak RUN: SUT2005 PM Peak

DATE : 2/28/ 6
TIME : 12:57:12

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 3.0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. JeffersonNBApp1	.0	268.0	662.0	332.0	665.	84.	AG	764.	15.8	.0	42.0		
2. JeffersonNBApp2	662.0	332.0	774.0	395.0	129.	61.	AG	764.	15.8	.0	42.0		
3. JeffersonNBApp3	774.0	395.0	897.0	597.0	237.	31.	AG	764.	15.8	.0	42.0		
4. JeffersonNBRTQueue	872.0	548.0	725.8	318.3	272.	212.	AG	206.	100.0	.0	11.0	.97	13.8
5. JeffersonNBLQueue	862.0	554.0	442.5	-153.9	823.	211.	AG	232.	100.0	.0	11.0	1.17	41.8
6. MyrtleNBDep	915.0	588.0	1280.0	1190.0	704.	31.	AG	438.	15.8	.0	42.0		
7. MyrtleNBMid1	1280.0	1190.0	1722.0	1827.0	775.	35.	AG	438.	15.8	.0	42.0		
8. ElmEBApp	218.0	1100.0	883.0	593.0	836.	127.	AG	925.	15.8	.0	42.0		
9. ElmEBTRLQueue	842.0	626.0	733.8	709.0	136.	307.	AG	285.	100.0	.0	22.0	.49	6.9
10. ElmEBDep	883.0	593.0	1668.0	.0	984.	127.	AG	958.	15.8	.0	42.0		
11. MyrtleSBApp	1262.0	1202.0	883.0	607.0	705.	212.	AG	351.	15.8	.0	42.0		
12. MyrtleSBRTQueue	904.0	651.0	1186.7	1110.3	539.	32.	AG	245.	100.0	.0	11.0	1.14	27.4
13. MyrtleSBLQueue	914.0	646.0	957.8	718.9	85.	31.	AG	272.	100.0	.0	11.0	.87	4.3
14. Jefferson SBDep	883.0	607.0	758.0	408.0	235.	212.	AG	287.	15.8	.0	42.0		
15. ElmWBApp	1681.0	19.0	894.0	610.0	984.	307.	AG	728.	15.8	.0	42.0		
16. ElmWBTRLQueue	942.0	578.0	1027.6	513.1	107.	127.	AG	285.	100.0	.0	22.0	.38	5.5
17. ElmWBDep	894.0	610.0	226.0	1116.0	838.	307.	AG	1085.	15.8	.0	42.0		
18. MyrtleNBMid2	1722.0	1827.0	1797.0	1956.0	149.	30.	AG	393.	15.8	.0	42.0		
19. MyrtleNBApp	1797.0	1956.0	2027.0	2542.0	630.	21.	AG	393.	15.8	.0	42.0		
20. MyrtleNBRLQueue	2011.0	2478.0	1988.5	2416.6	65.	200.	AG	322.	100.0	.0	22.0	.28	3.3
21. Mtl-EMDepLinApp	2023.0	2542.0	2679.0	2626.0	661.	83.	AG	1114.	15.8	.0	42.0		
22. EMLincolnEBLQueue	2611.0	2626.0	2598.0	2624.5	13.	263.	AG	100.	100.0	.0	11.0	.14	.7
23. EMLincolnEBRTQueue	2613.0	2612.0	2485.9	2597.6	128.	264.	AG	238.	100.0	.0	22.0	.26	6.5

LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
24. EMLinEBDep1	2679.0	2626.0	3132.0	2681.0	456.	83.	AG	936.	15.8	.0	42.0		
25. EMLinEBDep2	3132.0	2681.0	3622.0	2847.0	517.	71.	AG	936.	15.8	.0	42.0		
26. EMLinWBApp1	3614.0	2877.0	3127.0	2709.0	515.	251.	AG	822.	15.8	.0	42.0		
27. EMLinWBApp2	3127.0	2709.0	2659.0	2648.0	472.	263.	AG	822.	15.8	.0	42.0		
28. EMLinWBLQueue	2710.0	2640.0	2744.6	2644.6	35.	82.	AG	74.	100.0	.0	11.0	.18	1.8
29. EMLinWBRTQueue	2708.0	2655.0	2767.6	2662.8	60.	82.	AG	195.	100.0	.0	22.0	.13	3.1
30. EMLinDepMtlApp	2659.0	2648.0	2018.0	2560.0	647.	262.	AG	791.	15.8	.0	42.0		
31. EMWBMtlTLQueue	2053.0	2566.0	2168.6	2581.6	117.	82.	AG	285.	100.0	.0	22.0	.35	5.9
32. LockwoodNBApp	2621.0	1608.0	2690.0	2628.0	1022.	4.	AG	192.	15.8	.0	42.0		
33. LockwoodNBLRTQueue	2691.0	2578.0	2687.7	2532.5	46.	184.	AG	459.	100.0	.0	22.0	.39	2.3
34. LincolnNBDep	2663.0	2622.0	2619.0	3342.0	721.	357.	AG	104.	15.8	.0	35.0		
35. LincolnSBApp	2605.0	3341.0	2645.0	2621.0	721.	177.	AG	122.	15.8	.0	35.0		
36. LincolnSBRLTQueue	2643.0	2675.0	2639.8	2732.9	58.	357.	AG	230.	100.0	.0	15.0	.39	2.9
37. LockwoodSBDep	2679.0	2626.0	2608.0	1610.0	1018.	184.	AG	409.	15.8	.0	35.0		
38. MyrtleSBDep	2000.0	2546.0	1778.0	1967.0	620.	201.	AG	320.	15.8	.0	42.0		
39. MyrtleSBMid1	1778.0	1967.0	1703.0	1838.0	149.	210.	AG	320.	15.8	.0	42.0		
40. MyrtleSBMid2	1703.0	1838.0	1262.0	1202.0	774.	215.	AG	351.	15.8	.0	42.0		
41. MtlEMWBDepCstlApp	2018.0	2560.0	1826.0	2532.0	194.	262.	AG	938.	15.8	.0	35.0		
42. CrystalNBDep	1836.0	2533.0	1912.0	3113.0	585.	7.	AG	15.	15.8	.0	35.0		
43. CrystalSBApp	1902.0	3115.0	1814.0	2529.0	593.	189.	AG	100.	15.8	.0	35.0		
44. CrystalSBRLQueue	1818.0	2554.0	1824.2	2600.6	47.	8.	AG	211.	100.0	.0	11.0	.25	2.4
45. EMCstlWBDepStateApp	1826.0	2532.0	1658.0	2488.0	174.	255.	AG	1002.	15.8	.0	35.0		
46. EMStateWBTLQueue	1698.0	2499.0	1984.8	2571.8	296.	76.	AG	143.	100.0	.0	11.0	.63	15.0
47. EMStateWBDep	1658.0	2488.0	1085.0	2350.0	589.	256.	AG	991.	15.8	.0	35.0		
48. EMStateEBApp	1090.0	2330.0	1662.0	2465.0	588.	77.	AG	1098.	15.8	.0	35.0		
49. EMStateEBTRQueue	1610.0	2452.0	1294.4	2377.9	324.	257.	AG	143.	100.0	.0	11.0	.62	16.5
50. StateSBDep1	1671.0	2468.0	1639.0	2394.0	81.	203.	AG	56.	15.8	.0	35.0		
51. StateSBDep2	1639.0	2394.0	1592.0	2336.0	75.	219.	AG	56.	15.8	.0	35.0		
52. StateSBDep3	1592.0	2336.0	1305.0	2072.0	390.	227.	AG	56.	15.8	.0	35.0		
53. StateNBApp1	1318.0	2059.0	1602.0	2324.0	388.	47.	AG	131.	15.8	.0	35.0		
54. StateNBApp2	1602.0	2324.0	1652.0	2386.0	80.	39.	AG	131.	15.8	.0	35.0		
55. StateNBApp3	1652.0	2386.0	1692.0	2472.0	95.	25.	AG	131.	15.8	.0	35.0		
56. StateNBRLQueue	1674.0	2433.0	1655.5	2393.4	44.	205.	AG	161.	100.0	.0	11.0	.21	2.2
57. EMStateEBDepCstlApp	1662.0	2465.0	1832.0	2508.0	175.	76.	AG	1184.	15.8	.0	35.0		
58. EMCstlEBDepMyrtleApp	1832.0	2508.0	2023.0	2542.0	194.	80.	AG	1179.	15.8	.0	35.0		
59. EMEBMyrtleTRQueue	1918.0	2520.0	1744.3	2495.8	175.	262.	AG	285.	100.0	.0	11.0	.35	8.9
60. I-95 SB-1	3700.0	2570.0	2700.0	2320.0	1031.	256.	FL	4643.	18.0	30.0	52.0		

LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
61. I-95 SBBR-2	2700.0	2320.0	2600.0	2300.0	102.	259.	BR	4643.	18.0	30.0	52.0		
62. I-95 SB-3	2600.0	2300.0	1955.0	2140.0	665.	256.	FL	4643.	18.0	30.0	52.0		
63. I-95 SBBR-4	1955.0	2140.0	1160.0	1940.0	820.	256.	BR	4643.	18.0	30.0	52.0		
64. I-95 SBBR-5	1160.0	1940.0	1000.0	1895.0	166.	254.	BR	4643.	18.0	30.0	52.0		
65. I-95 SB-6	1000.0	1895.0	640.0	1700.0	409.	242.	FL	4643.	18.0	30.0	52.0		
66. I-95 SB-7	640.0	1700.0	475.0	1580.0	204.	234.	FL	4643.	18.0	30.0	52.0		
67. I-95 SB-8	475.0	1580.0	290.0	1435.0	235.	232.	FL	4643.	18.0	30.0	52.0		
68. I-95 NB-1	290.0	1375.0	470.0	1525.0	234.	50.	FL	4840.	18.0	30.0	52.0		
69. I-95 NB-2	470.0	1525.0	575.0	1600.0	129.	54.	FL	4840.	18.0	30.0	52.0		
70. I-95 NB-3	575.0	1600.0	760.0	1715.0	218.	58.	FL	4840.	18.0	30.0	52.0		
71. I-95 NB-4	760.0	1715.0	950.0	1815.0	215.	62.	FL	4840.	18.0	30.0	52.0		
72. I-95 NBBR-5	950.0	1815.0	1160.0	1890.0	223.	70.	BR	4840.	18.0	30.0	52.0		
73. I-95 NBBR-6	1160.0	1890.0	1933.0	2082.0	796.	76.	BR	4840.	18.0	30.0	52.0		
74. I-95 NB-7	1933.0	2082.0	2600.0	2240.0	685.	77.	FL	4840.	18.0	30.0	52.0		
75. I-95 NBBR-8	2600.0	2240.0	2700.0	2270.0	104.	73.	BR	4840.	18.0	30.0	52.0		
76. I-95 NB-9	2700.0	2270.0	3700.0	2500.0	1026.	77.	FL	4840.	18.0	30.0	52.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. JeffersonNBRTQueue	115	78	1.0	407	1427	113.17	2	1
5. JeffersonNBLQueue	115	88	1.0	357	1459	113.17	2	1
9. ElmEBTRLQueue	115	54	1.0	925	1882	113.17	2	1
12. MyrtleSBRTQueue	115	93	1.0	252	1338	113.17	2	1
13. MyrtleSBLQueue	115	103	1.0	99	1459	113.17	2	1
16. ElmWBTRLQueue	115	54	1.0	728	1925	113.17	2	3
20. MyrtleNBRLQueue	115	61	1.0	393	1579	113.17	2	4
22. EMLincolnEBLQueue	115	38	1.0	63	715	113.17	2	1
23. EMLincolnEBRTQueue	115	45	1.0	1041	3391	113.17	2	1
28. EMLinWBLQueue	115	28	1.0	228	1770	113.17	2	4
29. EMLinWBRTQueue	115	37	1.0	594	3506	113.17	2	4
31. EMWBMtlTLQueue	115	54	1.0	790	2230	113.17	2	3
33. LockwoodNBLRTQueue	115	87	1.0	192	1123	113.17	2	2

ADDITIONAL QUEUE LINK PARAMETERS (cont)

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
36. LincolnSBRLTQueue	115	87	1.0	122	1456	113.17	2	3
44. CrystalSBRLQueue	115	80	1.0	100	1447	113.17	2	1
46. EMStateWBTLQueue	115	54	1.0	1002	3146	113.17	2	4
49. EMStateEBTRQueue	115	54	1.0	1098	3513	113.17	2	3
56. StateNBRLQueue	115	61	1.0	131	1439	113.17	2	4
59. EMEBMyrtleTRQueue	115	54	1.0	1189	3341	113.17	2	5

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. Rec 1 ElmMyrtle	850.0	460.0	6.0
2. Rec 2 ElmMyrtle	900.0	550.0	6.0
3. Rec 3 ElmMyrtle	980.0	490.0	6.0
4. Rec 4 ElmMyrtle	1060.0	515.0	6.0
5. Rec 5 ElmMyrtle	960.0	593.0	6.0
6. Rec 6 ElmMyrtle	975.0	636.0	6.0
7. Rec 7 ElmMyrtle	1030.0	730.0	6.0
8. Rec 8 ElmMyrtle	1100.0	845.0	6.0
9. Rec 9 ElmMyrtle	1040.0	896.0	6.0
10. Rec 10 ElmMyrtle	952.0	760.0	6.0
11. Rec 11 ElmMyrtle	883.0	658.0	6.0
12. Rec 12 ElmMyrtle	790.0	723.0	6.0
13. Rec 13 ElmMyrtle	710.0	690.0	6.0
14. Rec 14 ElmMyrtle	845.0	590.0	6.0
15. Rec 15 ElmMyrtle	780.0	495.0	6.0
16. Rec 16 MyrtleEMain	1915.0	2160.0	6.0
17. Rec 17 MyrtleEMain	2010.0	2410.0	6.0
18. Rec 18 MyrtleEMain	2040.0	2505.0	6.0
19. Rec 19 MyrtleEMain	2090.0	2525.0	6.0
20. Rec 20 MyrtleEMain	2040.0	2588.0	6.0
21. Rec 21 MyrtleEMain	1860.0	2560.0	6.0
22. Rec 22 MyrtleEMain	1925.0	2425.0	6.0
23. Rec 23 MyrtleEMain	1840.0	2240.0	6.0
24. Rec 24 EMState	1760.0	2540.0	6.0
25. Rec 25 EMState	1655.0	2515.0	6.0
26. Rec 26 EMState	1510.0	2480.0	6.0

JOB: SUT2005 PM Peak RUN: SUT2005 PM Peak

DATE : 2/28/ 6
TIME : 12:57:12

RECEPTOR LOCATIONS (cont)

RECEPTOR	COORDINATES (FT) X	Y	Z
27. Rec 27 EMState	1520.0	2405.0	6.0
28. Rec 28 EMState	1620.0	2430.0	6.0
29. Rec 29 EMState	1492.0	2275.0	6.0
30. Rec 30 EMState	1605.0	2295.0	6.0
31. Rec 31 EMState	1715.0	2450.0	6.0
32. Rec 32 EMState	1765.0	2463.0	6.0
33. Rec 33 EMLinLoc	2500.0	2577.0	6.0
34. Rec 34 EMLinLoc	2610.0	2590.0	6.0
35. Rec 35 EMLinLoc	2640.0	2400.0	6.0
36. Rec 36 EMLinLoc	2705.0	2395.0	6.0
37. Rec 37 EMLinLoc	2712.0	2575.0	6.0
38. Rec 38 EMLinLoc	2790.0	2608.0	6.0
39. Rec 39 EMLinLoc	2770.0	2690.0	6.0
40. Rec 40 EMLinLoc	2715.0	2680.0	6.0
41. Rec 41 EMLinLoc	2670.0	2830.0	6.0
42. Rec 42 EMLinLoc	2615.0	2760.0	6.0
43. Rec 43 EMLinLoc	2620.0	2670.0	6.0
44. Rec 44 EMLinLoc	2520.0	2655.0	6.0
45. Rec 45 Lockwood-S95	2690.0	2145.0	6.0
46. Rec 46 Myrtle-S95E	1820.0	1925.0	6.0
47. Rec 47 Myrtle-S95W	1750.0	1990.0	6.0

JOB: SUT2005 PM Peak RUN: SUT2005 PM Peak

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	5.1	4.9	5.1	3.9	4.1	4.2	4.3	4.3	3.6	3.4	3.5	3.4	4.3	4.6	3.9	3.6	4.4	3.8	4.3	3.0
10.	5.2	5.3	5.0	3.4	4.1	4.1	4.2	4.2	3.7	3.6	3.7	3.6	4.3	4.8	4.1	3.5	3.9	3.9	4.3	3.0
20.	4.8	5.2	4.8	3.4	4.1	4.1	4.2	4.0	3.8	3.8	3.7	3.4	4.4	4.5	4.0	3.5	3.7	4.1	4.3	3.0
30.	4.6	5.2	4.7	3.4	3.9	4.1	4.1	4.2	4.6	4.5	4.5	3.4	4.3	5.2	4.5	3.4	3.6	4.2	4.4	3.0
40.	4.3	4.9	4.7	3.4	3.7	3.8	3.8	3.6	4.8	4.7	4.7	3.5	4.6	5.3	4.5	3.2	3.5	4.2	4.5	3.0
50.	3.8	4.5	4.4	3.2	3.4	3.4	3.5	3.5	4.9	4.8	5.0	3.8	4.7	5.1	4.9	3.3	3.5	4.3	4.5	3.0
60.	3.6	4.3	4.2	3.1	3.2	3.2	3.2	3.2	4.7	4.5	4.7	3.6	4.9	4.8	4.6	3.9	3.3	4.2	4.4	3.1
70.	3.5	4.2	4.0	3.0	3.0	3.0	3.0	3.0	4.3	4.2	4.4	3.4	4.9	4.3	4.5	5.6	3.4	4.0	4.4	3.4
80.	3.4	4.3	4.0	3.0	3.0	3.0	3.0	3.0	4.2	4.1	4.4	3.4	5.1	4.4	4.6	7.3	3.6	4.0	4.7	4.3
90.	3.3	4.4	3.9	3.0	3.0	3.0	3.0	3.0	4.1	3.9	4.2	3.5	5.0	4.6	4.5	7.6	4.3	4.0	4.2	5.2
100.	3.3	4.5	4.1	3.1	3.0	3.0	3.0	3.0	4.0	3.9	4.0	3.5	5.1	4.6	4.4	6.8	4.5	4.3	4.3	5.8
110.	3.3	4.5	4.2	3.1	3.1	3.0	3.0	3.0	4.0	3.9	3.9	3.6	4.9	4.9	4.3	6.0	4.6	4.2	4.2	6.0
120.	3.2	4.2	4.1	3.5	3.7	3.2	3.0	3.0	4.0	3.9	4.0	4.0	4.8	4.6	4.2	5.5	4.3	4.3	4.1	5.8
130.	3.1	3.8	3.8	4.0	4.3	3.4	3.0	3.0	4.0	4.1	4.4	4.4	4.3	4.3	4.0	5.2	4.3	4.0	4.0	5.6
140.	3.0	3.4	3.4	4.1	4.8	3.7	3.2	3.0	4.0	4.1	4.5	4.7	3.7	3.9	4.0	4.8	4.3	4.0	4.0	5.2
150.	3.0	3.1	3.1	4.1	4.8	3.8	3.2	3.2	4.2	4.3	4.4	5.0	3.3	3.9	4.1	4.6	4.2	4.0	4.0	5.1
160.	3.0	3.0	3.0	3.9	4.8	3.8	3.3	3.2	4.4	4.5	4.4	4.9	3.3	4.0	4.1	4.3	4.3	4.0	4.0	4.9
170.	3.0	3.0	3.0	3.8	4.7	3.9	3.3	3.2	4.5	4.7	4.2	4.9	3.3	4.2	4.2	4.2	4.2	4.0	4.0	4.8
180.	3.0	3.0	3.0	3.8	4.6	3.8	3.3	3.2	4.6	4.8	4.5	4.8	3.3	4.5	4.3	4.1	4.2	4.2	4.0	5.1
190.	3.0	3.0	3.0	3.8	4.5	3.8	3.4	3.3	4.8	5.1	4.7	4.6	3.1	4.5	4.1	4.1	4.4	4.3	4.0	5.2
200.	3.1	3.4	3.0	3.7	4.4	3.8	3.6	3.5	5.1	5.1	4.9	4.5	3.2	4.4	4.1	4.3	4.4	4.8	4.2	5.1
210.	3.7	4.0	3.1	3.7	4.7	4.1	3.9	3.9	4.7	4.5	4.6	4.5	3.1	4.0	3.6	4.9	4.6	5.0	4.3	5.2
220.	4.1	4.6	3.1	3.8	4.9	4.4	4.1	4.1	4.0	4.1	4.5	4.4	3.1	3.6	3.3	5.2	4.7	5.0	4.4	5.2
230.	4.5	5.0	3.3	3.8	5.0	4.5	4.4	4.2	3.6	3.7	4.1	4.4	3.1	3.1	3.1	6.0	4.8	5.2	4.6	5.5
240.	4.7	4.7	3.6	4.1	4.8	4.3	4.3	4.1	3.3	3.5	4.2	4.2	3.0	3.1	3.1	7.2	4.6	4.6	4.4	5.6
250.	4.6	4.4	3.7	4.5	4.5	4.2	4.4	4.0	3.2	3.5	4.2	4.2	3.0	3.1	3.1	7.4	4.0	4.2	4.2	4.9

WIND * CONCENTRATION (cont)
ANGLE * (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
260. *	4.4	4.1	3.6	4.5	4.5	3.9	4.2	3.8	3.2	3.5	4.3	4.2	3.0	3.0	3.1	5.7	3.6	4.2	4.5	4.5
270. *	4.3	4.0	3.5	4.7	4.3	4.2	4.1	3.8	3.2	3.4	4.5	4.2	3.0	3.0	3.0	4.0	3.9	4.5	4.8	3.8
280. *	4.2	3.7	3.5	5.1	4.4	4.5	3.9	3.8	3.2	3.4	4.6	4.1	3.0	3.1	3.0	3.5	4.1	4.6	4.7	3.2
290. *	4.2	3.8	3.5	5.2	4.9	4.6	3.9	3.7	3.0	3.3	4.5	4.2	3.1	3.1	3.0	3.5	4.4	4.4	4.2	3.0
300. *	4.2	4.3	4.1	4.9	4.6	4.4	3.8	3.8	3.2	3.2	4.3	4.2	3.5	3.8	3.0	3.5	4.6	4.3	4.2	3.0
310. *	4.4	4.9	4.5	4.6	4.3	4.3	3.8	3.8	3.4	3.2	3.7	3.7	3.9	4.5	3.2	3.5	4.7	4.2	4.2	3.0
320. *	4.5	5.3	4.8	3.9	4.2	4.1	4.0	4.1	3.5	3.2	3.5	3.5	4.3	5.2	3.2	3.4	4.7	4.0	4.2	3.0
330. *	4.9	5.0	5.0	3.9	4.1	4.4	4.2	4.1	3.4	3.5	3.4	3.4	4.4	5.1	3.6	3.5	4.7	4.0	4.2	3.0
340. *	5.3	5.4	5.4	3.7	4.5	4.3	4.0	4.0	3.5	3.4	3.6	3.5	4.6	5.2	3.9	3.6	4.7	3.8	4.3	3.0
350. *	5.2	4.9	5.2	3.7	4.3	4.2	4.2	4.2	3.5	3.4	3.4	3.5	4.5	5.0	4.2	3.6	4.5	3.9	4.4	3.0
360. *	5.1	4.9	5.1	3.9	4.1	4.2	4.3	4.3	3.6	3.4	3.5	3.4	4.3	4.6	3.9	3.6	4.4	3.8	4.3	3.0
MAX *	5.3	5.4	5.4	5.2	5.0	4.6	4.4	4.3	5.1	5.1	5.0	5.0	5.1	5.3	4.9	7.6	4.8	5.2	4.8	6.0
DEGR. *	340	340	340	290	230	290	230	0	200	190	50	150	80	40	50	90	230	230	270	110

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0. *	3.0	3.6	3.5	3.0	3.0	3.0	4.1	3.8	3.4	3.4	4.0	4.5	4.4	4.5	3.4	3.6	3.6	3.7	3.0	3.0
10. *	3.0	3.5	3.4	3.0	3.0	3.0	4.1	3.8	3.4	3.3	4.0	4.6	4.5	4.3	3.7	3.3	3.8	3.7	3.0	3.0
20. *	3.0	3.5	3.4	3.0	3.0	3.0	4.1	3.9	3.4	3.6	4.2	4.7	4.5	4.2	3.8	3.2	3.7	3.7	3.0	3.0
30. *	3.0	3.8	3.5	3.0	3.0	3.0	4.3	4.0	3.4	3.5	4.3	4.8	4.6	4.1	3.7	3.2	3.7	3.8	3.0	3.0
40. *	3.0	3.9	3.7	3.1	3.0	3.0	4.3	4.1	3.4	3.4	4.6	4.8	4.8	4.2	3.7	3.2	3.6	3.8	3.0	3.0
50. *	3.0	4.1	3.6	3.2	3.0	3.0	4.5	4.3	3.5	3.6	4.7	4.7	4.9	4.1	3.5	3.2	3.6	3.8	3.0	3.0
60. *	3.1	4.2	3.5	3.3	3.1	3.0	4.4	4.6	3.5	3.5	5.1	5.0	5.1	4.3	3.8	3.4	3.6	4.0	3.0	3.1
70. *	3.5	4.2	3.8	3.8	3.9	3.6	4.6	4.5	3.4	3.4	4.6	4.6	4.9	4.5	4.0	3.9	3.7	4.0	3.3	3.3
80. *	4.3	4.3	5.0	4.7	4.7	4.5	4.3	4.6	3.9	3.8	4.5	4.4	4.8	4.6	5.0	5.2	3.8	3.8	3.6	3.7
90. *	5.1	4.6	5.6	5.4	5.5	5.2	4.3	4.4	4.5	4.5	4.4	4.3	4.6	4.4	6.0	6.2	3.9	4.0	4.2	4.5
100. *	5.6	4.8	5.5	6.2	5.9	5.2	4.0	4.4	4.6	4.5	4.3	4.3	4.5	4.6	6.1	6.4	4.3	4.2	4.6	5.1
110. *	5.9	4.8	5.4	6.3	5.3	5.2	4.1	4.3	4.4	4.5	4.1	4.3	4.5	4.9	6.0	6.2	4.5	4.3	4.9	5.5
120. *	5.8	4.5	5.3	5.8	4.9	5.0	4.0	4.2	4.3	4.4	4.0	4.1	4.3	4.9	5.7	6.1	4.4	4.3	5.0	5.5
130. *	5.7	4.4	4.9	5.6	4.8	5.1	4.0	4.1	4.2	4.3	4.0	4.0	4.2	4.6	5.4	5.9	4.3	4.3	4.7	5.4
140. *	5.7	4.5	4.9	5.4	4.6	5.0	3.9	4.1	4.1	4.2	4.0	4.0	4.1	4.5	5.3	5.7	4.3	4.3	4.7	5.3
150. *	5.5	4.4	4.6	5.4	4.6	4.8	3.8	3.9	4.0	4.0	3.8	3.9	4.2	4.4	5.0	5.7	4.2	4.2	4.7	5.3

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	(PPM)																			
160.	5.6	4.5	4.6	5.4	4.7	4.8	3.9	3.8	4.1	4.1	3.9	4.1	4.1	4.3	5.0	5.6	4.2	4.2	4.7	5.3
170.	5.6	4.5	4.7	5.4	4.8	4.9	3.9	3.9	4.2	4.1	3.9	3.9	4.2	4.4	4.7	5.4	4.3	4.2	4.8	5.4
180.	5.7	4.5	4.6	5.4	4.7	4.8	3.8	3.9	4.1	4.1	3.9	3.9	4.0	4.2	4.9	5.4	4.4	4.2	4.9	5.7
190.	5.3	4.4	4.6	5.3	4.8	4.8	3.9	3.9	4.2	4.2	4.0	4.0	4.1	4.0	4.9	5.3	5.0	4.3	5.4	5.5
200.	5.3	4.3	4.6	5.2	4.6	5.0	3.9	4.0	4.2	4.2	4.0	4.0	4.2	4.1	5.1	5.2	5.2	4.4	5.4	5.4
210.	5.5	4.3	4.7	5.1	4.9	5.1	4.0	4.0	4.4	4.2	4.1	4.0	4.2	4.2	5.2	5.2	5.6	4.5	5.5	5.3
220.	5.8	4.2	4.9	5.4	5.0	5.3	4.2	4.2	4.5	4.5	4.3	4.1	4.3	4.4	5.5	5.5	5.8	4.4	5.8	5.5
230.	6.0	4.4	5.2	5.8	5.3	5.1	4.0	4.2	4.8	4.9	4.6	4.4	4.3	4.3	5.9	6.2	6.1	4.7	6.1	5.3
240.	5.9	4.3	5.6	4.9	4.5	4.4	3.6	3.9	4.1	4.3	4.3	4.2	4.3	4.3	6.1	6.7	6.1	4.8	5.8	5.5
250.	4.9	3.5	4.6	4.3	4.2	4.0	3.5	3.6	3.1	3.4	3.8	3.7	3.7	4.0	5.7	6.3	5.5	4.3	5.0	4.9
260.	4.4	3.2	3.5	3.8	3.7	3.5	4.1	4.3	3.0	3.1	4.3	4.1	4.0	4.1	4.3	4.8	4.9	4.1	4.2	4.2
270.	3.7	3.5	3.0	3.3	3.2	3.1	4.5	4.6	3.1	3.3	4.5	4.3	4.2	4.7	3.2	3.6	4.9	4.3	3.5	3.7
280.	3.3	3.6	3.2	3.0	3.0	3.0	4.5	4.6	3.2	3.4	4.3	4.3	4.3	4.9	3.1	3.3	4.8	4.1	3.2	3.3
290.	3.3	3.8	3.3	3.0	3.0	3.0	4.5	4.5	3.3	3.5	4.2	4.2	4.1	4.9	3.2	3.4	4.5	4.2	3.1	3.2
300.	3.3	3.8	3.3	3.0	3.0	3.0	4.3	4.3	3.5	3.6	4.0	4.1	4.1	4.8	3.3	3.4	4.2	4.4	3.0	3.2
310.	3.2	3.8	3.2	3.0	3.0	3.0	4.2	4.2	3.4	3.5	3.9	4.2	4.1	4.7	3.3	3.6	3.9	4.1	3.0	3.1
320.	3.2	3.9	3.3	3.0	3.0	3.0	4.1	4.0	3.4	3.5	3.9	4.2	4.2	4.6	3.3	3.6	3.8	3.9	3.0	3.1
330.	3.1	3.8	3.2	3.0	3.0	3.0	4.1	4.0	3.4	3.5	3.8	4.3	4.2	4.5	3.3	3.6	3.9	3.9	3.0	3.0
340.	3.0	3.7	3.3	3.0	3.0	3.0	4.1	3.9	3.4	3.4	3.9	4.3	4.3	4.5	3.3	3.7	3.8	3.8	3.0	3.0
350.	3.0	3.7	3.4	3.0	3.0	3.0	4.1	3.9	3.4	3.4	3.9	4.4	4.4	4.4	3.4	3.5	3.7	3.8	3.0	3.0
360.	3.0	3.6	3.5	3.0	3.0	3.0	4.1	3.8	3.4	3.4	4.0	4.5	4.4	4.5	3.4	3.6	3.6	3.7	3.0	3.0
MAX	6.0	4.8	5.6	6.3	5.9	5.3	4.6	4.6	4.8	4.9	5.1	5.0	5.1	4.9	6.1	6.7	6.1	4.8	6.1	5.7
DEGR.	230	100	240	110	100	220	70	60	230	230	60	60	60	110	100	240	230	240	230	180

JOB: SUT2005 PM Peak RUN: SUT2005 PM Peak

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (cont) (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47
0.	3.1	3.1	3.2	3.0	4.7	4.6	4.2
10.	3.0	3.2	3.5	3.0	5.1	4.6	4.3
20.	3.0	3.2	3.6	3.0	5.2	5.0	4.6
30.	3.0	3.1	3.6	3.0	5.2	5.0	5.2
40.	3.0	3.1	3.7	3.0	5.3	5.2	5.8
50.	3.0	3.1	3.6	3.1	5.5	5.4	6.3
60.	3.0	3.1	3.5	3.1	5.3	5.5	6.8
70.	3.0	3.1	3.6	3.3	4.6	5.0	7.2
80.	3.0	3.1	4.2	4.1	3.6	3.8	5.4
90.	3.2	3.7	4.7	4.7	3.1	3.1	3.9
100.	3.6	3.9	5.0	5.2	3.0	3.0	3.3
110.	3.8	4.3	5.1	5.4	3.0	3.0	3.2
120.	4.0	4.6	5.1	5.4	3.0	3.0	3.2
130.	4.0	4.6	5.1	5.4	3.0	3.0	3.4
140.	4.0	4.5	5.2	5.2	3.0	3.0	3.2
150.	4.1	4.7	5.2	5.2	3.0	3.0	3.2
160.	4.1	4.9	5.2	5.2	3.0	3.0	3.2
170.	4.3	4.8	5.3	5.2	3.0	3.0	3.2
180.	4.5	4.5	5.0	5.2	3.2	3.0	3.3
190.	4.2	4.2	5.1	5.2	3.2	3.0	3.3
200.	4.2	4.4	5.1	5.1	3.3	3.0	3.3
210.	4.5	4.4	5.2	5.0	3.3	3.3	3.3
220.	4.4	4.4	5.4	5.1	3.3	3.3	3.1
230.	4.2	4.4	5.5	5.2	3.3	3.5	3.0
240.	3.8	4.1	5.3	5.1	3.2	3.4	3.4
250.	3.5	3.5	4.7	4.6	3.8	4.1	5.0

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC41	REC42	REC43	REC44	REC45	REC46	REC47
	(PPM)						
260.	3.1	3.2	3.9	3.9	5.0	4.8	5.9
270.	3.1	3.0	3.4	3.4	5.6	5.3	6.2
280.	3.1	3.0	3.1	3.1	5.7	5.5	5.8
290.	3.1	3.0	3.0	3.0	5.5	5.1	5.2
300.	3.1	3.0	3.0	3.0	5.3	5.0	4.8
310.	3.2	3.0	3.0	3.0	5.1	4.9	4.7
320.	3.2	3.0	3.0	3.0	5.3	5.0	4.4
330.	3.2	3.0	3.0	3.0	5.0	4.8	4.3
340.	3.2	3.0	3.0	3.0	4.9	4.5	4.3
350.	3.2	3.1	3.1	3.0	4.9	4.6	4.1
360.	3.1	3.1	3.2	3.0	4.7	4.6	4.2
MAX	4.5	4.9	5.5	5.4	5.7	5.5	7.2
DEGR.	180	160	230	110	280	60	70

THE HIGHEST CONCENTRATION OF 7.60 PPM OCCURRED AT RECEPTOR REC16.

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	340	340	340	290	230	290	230	0	200	190	50	150	80	40	50	90	230	230	270	110
1	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.4	.3	.0	.1	.2	.0	.1	.0	.1	.1	.0	.1	.0	.0	.2	.0	.0	.0	.0	.0
4	.4	.0	.0	.0	.3	.0	.1	.0	.1	.1	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0
5	.4	.0	.0	.0	.3	.0	.1	.0	.1	.1	.0	.1	.0	.0	.2	.0	.0	.0	.0	.0
6	.0	.0	.1	.0	.0	.2	.3	.3	.1	.1	.2	.0	.1	.1	.1	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.2	.3	.0	.2	.0	.3	.1	.0	.0	.0	.0	.3	.5	.5	.1	.0	.0	.0	.0	.0
9	.2	.1	.0	.1	.0	.2	.0	.0	.0	.0	.0	.3	.7	.0	.0	.0	.0	.0	.0	.0
10	.0	.4	.6	.3	.3	.0	.1	.0	.1	.1	.0	.2	.0	.0	.1	.0	.0	.0	.0	.0
11	.0	.1	.1	.0	.0	.1	.1	.1	.3	.2	.3	.0	.1	.2	.1	.0	.0	.0	.0	.0
12	.0	.0	.1	.0	.0	.2	.1	.3	1.0	.8	.8	.0	.2	.4	.1	.0	.0	.0	.0	.0
13	.0	.0	.1	.0	.0	.2	.2	.0	.1	.4	.3	.0	.1	.2	.1	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1 340	REC2 340	REC3 340	REC4 290	REC5 230	REC6 290	REC7 230	REC8 0	REC9 200	REC10 190	REC11 50	REC12 150	REC13 80	REC14 40	REC15 50	REC16 90	REC17 230	REC18 230	REC19 270	REC20 110
14	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0
15	.0	.1	.3	.5	.3	.0	.0	.0	.1	.1	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0
16	.0	.0	.4	.8	.4	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
17	.2	.4	.1	.2	.0	.4	.1	.0	.0	.0	.0	.7	.4	.4	.1	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.1	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.5
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0

JOB: SUT2005 PM Peak RUN: SUT2005 PM Peak

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1 340	REC2 340	REC3 340	REC4 290	REC5 230	REC6 290	REC7 230	REC8 0	REC9 200	REC10 190	REC11 50	REC12 150	REC13 80	REC14 40	REC15 50	REC16 90	REC17 230	REC18 230	REC19 270	REC20 110
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.2	.0	.0	.0	.3
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	2.3	.0	.0	.0	.1
63	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.7	.5	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
65	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0
66	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.6	.4	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.1	1.7	.0	.0	.0	.1
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.3	.0	.0	.0	.3

JOB: SUT2005 PM Peak RUN: SUT2005 PM Peak

DATE : 2/28/ 6
TIME : 12:57:12

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 230	REC22 100	REC23 240	REC24 110	REC25 100	REC26 220	REC27 70	REC28 60	REC29 230	REC30 230	REC31 60	REC32 60	REC33 60	REC34 110	REC35 100	REC36 240	REC37 230	REC38 240	REC39 230	REC40 180
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.2	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.1	.1	.7	.0	.0	.0	.0	.0	.2	.0
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0	.1	.0
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.2	.3
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.5	.4
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 230	REC22 100	REC23 240	REC24 110	REC25 100	REC26 220	REC27 70	REC28 60	REC29 230	REC30 230	REC31 60	REC32 60	REC33 60	REC34 110	REC35 100	REC36 240	REC37 230	REC38 240	REC39 230	REC40 180
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
30	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.3	.0	.0	.0	.0	.0	.1	.0
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.1
33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	1.3	.3	.1	.2
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.2	.2	.2	.1	.1	.1
38	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41	.4	.0	.0	.2	.1	.0	.1	.1	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.3	.0	.0	.5	.6	.0	.1	.3	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
46	.4	.0	.0	.4	.3	.0	.1	.2	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.6	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.1	.0	.0	.0	.0	.4	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.4	.0	.0	.2	.4	.0	.2	.4	.0	.0	.6	.4	.0	.0	.0	.0	.0	.0	.0	.0
58	.1	.0	.0	.3	.1	.0	.1	.1	.0	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0
59	.4	.0	.0	.5	.3	.0	.1	.2	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.3	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.7	1.6	.0	.0	.0	.0	.3
61	.0	.1	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.2
62	.0	.4	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.5	.7	.5	.5	.0
63	.2	.0	1.0	.0	.0	.1	.0	.0	.2	.4	.0	.0	.0	.0	.0	.2	.1	.3	.2	.0
64	.1	.0	.1	.0	.0	.1	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.1	.0	.2	.0	.0	.2	.0	.0	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	230	100	240	110	100	220	70	60	230	230	60	60	60	110	100	240	230	240	230	180
66	.0	.0	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.1	.0	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.1	.0	.1	.0	.0	.1	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.1	.0	.1	.0	.0	.2	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.2	.0	.7	.0	.0	.1	.0	.0	.2	.3	.0	.0	.0	.0	.0	.2	.1	.3	.2	.0
74	.0	.2	.0	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.6	.3	.4	.1
75	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
76	.0	.3	.0	.2	.3	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.2	.0	.0	.0	.0	.3

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC41	REC42	REC43	REC44	REC45	REC46	REC47
	180	160	230	110	280	60	70
1	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0

```
        *    CO/LINK  (PPM) (cont)
        *    ANGLE (DEGREES)
        *  REC41 REC42 REC43 REC44 REC45 REC46 REC47
LINK # *   180   160   230   110   280    60    70
-------*-----------------------------------------
   18  *    .0    .0    .0    .0    .0    .0    .0
   19  *    .0    .0    .0    .0    .0    .0    .1
   20  *    .0    .0    .0    .0    .0    .0    .0
   21  *    .1    .1    .5    .4    .0    .0    .0
   22  *    .0    .0    .0    .0    .0    .0    .0
   23  *    .0    .0    .4    .2    .0    .0    .0
   24  *    .1    .1    .0    .1    .0    .0    .0
   25  *    .0    .0    .0    .0    .0    .0    .0
   26  *    .0    .0    .0    .0    .0    .0    .0
   27  *    .1    .1    .0    .1    .0    .0    .0
   28  *    .0    .0    .0    .0    .0    .0    .0
   29  *    .0    .0    .0    .0    .0    .0    .0
   30  *    .0    .1    .5    .5    .0    .0    .0
   31  *    .0    .0    .0    .0    .0    .0    .0
   32  *    .0    .0    .0    .0    .1    .0    .0
   33  *    .1    .1    .0    .1    .0    .0    .0
   34  *    .1    .0    .0    .0    .0    .0    .0
   35  *    .0    .1    .0    .0    .0    .0    .0
   36  *    .1    .4    .0    .0    .0    .0    .0
   37  *    .1    .1    .0    .0    .1    .0    .0
   38  *    .0    .0    .0    .0    .0    .0    .2
   39  *    .0    .0    .0    .0    .0    .0    .0
   40  *    .0    .0    .0    .0    .0    .0    .0
   41  *    .0    .0    .0    .0    .0    .0    .0
   42  *    .0    .0    .0    .0    .0    .0    .0
   43  *    .0    .0    .0    .0    .0    .0    .0
   44  *    .0    .0    .0    .0    .0    .0    .0
   45  *    .0    .0    .0    .0    .0    .0    .0
```

JOB: SUT2005 PM Peak RUN: SUT2005 PM Peak

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC41 180	REC42 160	REC43 230	REC44 110	REC45 280	REC46 60	REC47 70
46	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0
60	.2	.3	.0	.5	.0	.2	.3
61	.1	.1	.0	.0	.0	.1	.1
62	.1	.0	.4	.0	.9	.8	.9
63	.0	.0	.2	.0	.1	.0	.2
64	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.2	.0	.1	.0	.7
74	.1	.0	.3	.0	1.4	1.1	1.3
75	.1	.1	.0	.0	.0	.1	.1
76	.2	.3	.0	.5	.0	.2	.3

CAL3QHC Output Files for the Following Scenario:
2025 No-Build AM Peak

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221 PAGE 1

JOB: SUT2025 No-Build AM Peak RUN: SUT2025AMNoBuildPeak

DATE : 3/ 1/ 6
TIME : 12:31:59

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 3.0 PPM

LINK VARIABLES

	LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1.	JeffersonNBApp1	.0	268.0	662.0	332.0	665.	84.	AG	464.	8.0	.0	42.0		
2.	JeffersonNBApp2	662.0	332.0	774.0	395.0	129.	61.	AG	464.	8.0	.0	42.0		
3.	JeffersonNBApp3	774.0	395.0	910.0	587.0	235.	35.	AG	464.	8.0	.0	42.0		
4.	JeffersonNBRTQueue	881.0	542.0	833.5	469.2	87.	213.	AG	54.	100.0	.0	11.0	.42	4.4
5.	JeffersonNBLQueue	862.0	554.0	745.5	357.4	228.	211.	AG	100.	100.0	.0	11.0	1.06	11.6
6.	MyrtleNBDep	915.0	588.0	1280.0	1190.0	704.	31.	AG	338.	8.0	.0	42.0		
7.	MyrtleNBMid1	1280.0	1190.0	1722.0	1827.0	775.	35.	AG	338.	8.0	.0	42.0		
8.	ElmEBApp	218.0	1100.0	883.0	593.0	836.	127.	AG	473.	8.0	.0	42.0		
9.	ElmEBTRQueue	834.0	618.0	749.6	682.3	106.	307.	AG	173.	100.0	.0	22.0	.41	5.4
10.	ElmEBLQueue	844.0	630.0	808.1	657.5	45.	307.	AG	87.	100.0	.0	11.0	.83	2.3
11.	ElmEBDep	878.0	580.0	1668.0	.0	980.	126.	AG	301.	8.0	.0	42.0		
12.	MyrtleSBApp	1262.0	1202.0	883.0	608.0	705.	213.	AG	597.	8.0	.0	42.0		
13.	MyrtleSBRTQueue	904.0	651.0	1127.1	1013.5	426.	32.	AG	66.	100.0	.0	11.0	1.01	21.6
14.	MyrtleSBLQueue	914.0	646.0	919.1	654.5	10.	31.	AG	106.	100.0	.0	11.0	.27	.5
15.	Jefferson SBDep	883.0	608.0	758.0	408.0	236.	212.	AG	970.	8.0	.0	42.0		
16.	ElmWBApp	1681.0	19.0	894.0	610.0	984.	307.	AG	1318.	8.0	.0	42.0		
17.	ElmWBTRQueue	942.0	578.0	1089.1	464.9	186.	128.	AG	134.	100.0	.0	22.0	.48	9.4
18.	ElmWBLQueue	932.0	567.0	2163.7	-361.1	1542.	127.	AG	65.	100.0	.0	11.0	1.78	78.3
19.	ElmWBDep	894.0	610.0	226.0	1116.0	838.	307.	AG	1243.	8.0	.0	42.0		
20.	MyrtleNBMid2	1722.0	1827.0	1797.0	1956.0	149.	30.	AG	494.	8.0	.0	42.0		
21.	MyrtleNBApp	1797.0	1956.0	2027.0	2542.0	630.	21.	AG	494.	8.0	.0	42.0		
22.	MyrtleNBRLQueue	2011.0	2478.0	1973.3	2375.8	109.	200.	AG	169.	100.0	.0	22.0	.74	5.5
23.	Mtl-EMDepLinApp	2023.0	2542.0	2679.0	2626.0	661.	83.	AG	1065.	8.0	.0	42.0		

LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
24. EMLincolnEBLQueue	2611.0	2626.0	2590.8	2623.7	20.	263.	AG	57.	100.0	.0	11.0	.48	1.0
25. EMLincolnEBRTQueue	2613.0	2612.0	2454.0	2594.0	160.	264.	AG	128.	100.0	.0	22.0	.35	8.1
26. EMLinEBDep1	2679.0	2626.0	3132.0	2681.0	456.	83.	AG	1162.	8.0	.0	42.0		
27. EMLinEBDep2	3132.0	2681.0	3622.0	2847.0	517.	71.	AG	1162.	8.0	.0	42.0		
28. EMLinWBApp1	3614.0	2877.0	3127.0	2709.0	515.	251.	AG	1088.	8.0	.0	42.0		
29. EMLinWBApp2	3127.0	2709.0	2659.0	2648.0	472.	263.	AG	1088.	8.0	.0	42.0		
30. EMLinWBLQueue	2710.0	2640.0	3823.6	2788.5	1123.	82.	AG	49.	100.0	.0	11.0	2.02	57.1
31. EMLinWBRTQueue	2708.0	2655.0	2833.2	2671.5	126.	82.	AG	113.	100.0	.0	22.0	.27	6.4
32. EMLinDepMtlApp	2659.0	2648.0	2018.0	2560.0	647.	262.	AG	1167.	8.0	.0	42.0		
33. EMWBMtlTLQueue	2053.0	2566.0	2138.3	2577.5	86.	82.	AG	59.	100.0	.0	22.0	.42	4.4
34. LockwoodNBApp	2621.0	1608.0	2690.0	2628.0	1022.	4.	AG	442.	8.0	.0	42.0		
35. LockwoodNBLRTQueue	2691.0	2578.0	2685.2	2499.4	79.	184.	AG	132.	100.0	.0	22.0	.47	4.0
36. LincolnNBDep	2663.0	2622.0	2619.0	3342.0	721.	357.	AG	113.	8.0	.0	35.0		
37. LincolnSBApp	2605.0	3341.0	2645.0	2621.0	721.	177.	AG	194.	8.0	.0	35.0		
38. LincolnSBRLTQueue	2643.0	2675.0	2639.4	2739.6	65.	357.	AG	66.	100.0	.0	15.0	.38	3.3
39. LockwoodSBDep	2679.0	2626.0	2608.0	1610.0	1018.	184.	AG	345.	8.0	.0	35.0		
40. MyrtleSBDep	2000.0	2546.0	1778.0	1967.0	620.	201.	AG	462.	8.0	.0	42.0		
41. MyrtleSBMid1	1778.0	1967.0	1703.0	1838.0	149.	210.	AG	462.	8.0	.0	42.0		
42. MyrtleSBMid2	1703.0	1838.0	1262.0	1202.0	774.	215.	AG	597.	8.0	.0	42.0		
43. MtlEMWBDepCstlApp	2018.0	2560.0	1826.0	2532.0	194.	262.	AG	1335.	8.0	.0	35.0		
44. CrystalNBDep	1836.0	2533.0	1912.0	3113.0	585.	7.	AG	10.	8.0	.0	35.0		
45. CrystalSBApp	1902.0	3115.0	1814.0	2529.0	593.	189.	AG	85.	8.0	.0	35.0		
46. CrystalSBRLQueue	1818.0	2554.0	1823.2	2593.7	40.	8.	AG	85.	100.0	.0	11.0	.24	2.0
47. EMCstlWBDepStateApp	1826.0	2532.0	1658.0	2488.0	174.	255.	AG	1415.	8.0	.0	35.0		
48. EMStateWBTLQueue	1698.0	2499.0	1900.5	2550.4	209.	76.	AG	29.	100.0	.0	11.0	.61	10.6
49. EMStateWBDep	1658.0	2488.0	1085.0	2350.0	589.	256.	AG	1399.	8.0	.0	35.0		
50. EMStateEBApp	1090.0	2330.0	1662.0	2465.0	588.	77.	AG	1019.	8.0	.0	35.0		
51. EMStateEBTRQueue	1610.0	2452.0	1463.5	2417.6	150.	257.	AG	29.	100.0	.0	11.0	.40	7.6
52. StateSBDep1	1671.0	2468.0	1639.0	2394.0	81.	203.	AG	36.	8.0	.0	35.0		
53. StateSBDep2	1639.0	2394.0	1592.0	2336.0	75.	219.	AG	36.	8.0	.0	35.0		
54. StateSBDep3	1592.0	2336.0	1305.0	2072.0	390.	227.	AG	36.	8.0	.0	35.0		
55. StateNBApp1	1318.0	2059.0	1602.0	2324.0	388.	47.	AG	90.	8.0	.0	35.0		
56. StateNBApp2	1602.0	2324.0	1652.0	2386.0	80.	39.	AG	90.	8.0	.0	35.0		
57. StateNBApp3	1652.0	2386.0	1692.0	2472.0	95.	25.	AG	90.	8.0	.0	35.0		
58. StateNBRLQueue	1674.0	2433.0	1657.7	2398.2	38.	205.	AG	85.	100.0	.0	11.0	.26	2.0
59. EMStateEBDepCstlApp	1662.0	2465.0	1832.0	2508.0	175.	76.	AG	1089.	8.0	.0	35.0		
60. EMCstlEBDepMyrtleApp	1832.0	2508.0	2023.0	2542.0	194.	80.	AG	1189.	8.0	.0	35.0		

LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
61. EMEBMyrtleTRQueue	1918.0	2520.0	1831.1	2507.9	88.	262.	AG	59.	100.0	.0	11.0	.25	4.5
62. I-95 SB-1	3700.0	2570.0	2700.0	2320.0	1031.	256.	FL	7613.	9.0	30.0	52.0		
63. I-95 SBBR-2	2700.0	2320.0	2600.0	2300.0	102.	259.	BR	7613.	9.0	30.0	52.0		
64. I-95 SB-3	2600.0	2300.0	1955.0	2140.0	665.	256.	FL	7613.	9.0	30.0	52.0		
65. I-95 SBBR-4	1955.0	2140.0	1160.0	1940.0	820.	256.	BR	7613.	9.0	30.0	52.0		
66. I-95 SBBR-5	1160.0	1940.0	1000.0	1895.0	166.	254.	BR	7613.	9.0	30.0	52.0		
67. I-95 SB-6	1000.0	1895.0	640.0	1700.0	409.	242.	FL	7613.	9.0	30.0	52.0		
68. I-95 SB-7	640.0	1700.0	475.0	1580.0	204.	234.	FL	7613.	9.0	30.0	52.0		
69. I-95 SB-8	475.0	1580.0	290.0	1435.0	235.	232.	FL	7613.	9.0	30.0	52.0		
70. I-95 NB-1	290.0	1375.0	470.0	1525.0	234.	50.	FL	5882.	9.0	30.0	52.0		
71. I-95 NB-2	470.0	1525.0	575.0	1600.0	129.	54.	FL	5882.	9.0	30.0	52.0		
72. I-95 NB-3	575.0	1600.0	760.0	1715.0	218.	58.	FL	5882.	9.0	30.0	52.0		
73. I-95 NB-4	760.0	1715.0	950.0	1815.0	215.	62.	FL	5882.	9.0	30.0	52.0		
74. I-95 NBBR-5	950.0	1815.0	1160.0	1890.0	223.	70.	BR	5882.	9.0	30.0	52.0		
75. I-95 NBBR-6	1160.0	1890.0	1933.0	2082.0	796.	76.	BR	5882.	9.0	30.0	52.0		
76. I-95 NB-7	1933.0	2082.0	2600.0	2240.0	685.	77.	FL	5882.	9.0	30.0	52.0		
77. I-95 NBBR-8	2600.0	2240.0	2700.0	2270.0	104.	73.	BR	5882.	9.0	30.0	52.0		
78. I-95 NB-9	2700.0	2270.0	3700.0	2500.0	1026.	77.	FL	5882.	9.0	30.0	52.0		

JOB: SUT2025 No-Build AM Peak RUN: SUT2025AMNoBuildPeak

DATE : 3/ 1/ 6
TIME : 12:31:59

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	*	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. JeffersonNBRTQueue	*	105	50	1.0	318	1535	42.43	2	3
5. JeffersonNBLQueue	*	105	92	1.0	146	1459	42.43	2	1
9. ElmEBTRQueue	*	105	80	1.0	423	2484	42.43	2	1
10. ElmEBLQueue	*	105	80	1.0	50	287	42.43	1	1
13. MyrtleSBRTQueue	*	105	61	1.0	582	1470	42.43	2	1
14. MyrtleSBLQueue	*	105	98	1.0	15	1459	42.43	2	1
17. ElmWBTRQueue	*	105	62	1.0	1024	2788	42.43	2	1
18. ElmWBLQueue	*	105	60	1.0	294	413	42.43	1	1
22. MyrtleNBRLQueue	*	105	78	1.0	494	1473	42.43	2	2
24. EMLincolnEBLQueue	*	105	53	1.0	70	313	42.43	2	3
25. EMLincolnEBRTQueue	*	105	59	1.0	993	3428	42.43	2	2
30. EMLinWBLQueue	*	105	45	1.0	200	183	42.43	2	3
31. EMLinWBRTQueue	*	105	52	1.0	888	3514	42.43	2	2
33. EMWBMtlTLQueue	*	105	27	1.0	1167	1955	42.43	2	1
35. LockwoodNBLRTQueue	*	105	61	1.0	442	1204	42.43	2	1
38. LincolnSBRLTQueue	*	105	61	1.0	194	1319	42.43	2	4
46. CrystalSBRLQueue	*	105	78	1.0	85	1520	42.43	2	1
48. EMStateWBTLQueue	*	105	27	1.0	1415	3227	42.43	2	1
51. EMStateEBTRQueue	*	105	27	1.0	1019	3532	42.43	2	5
58. StateNBRLQueue	*	105	78	1.0	90	1520	42.43	2	4
61. EMEBMyrtleTRQueue	*	105	27	1.0	1189	3304	42.43	2	5

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. Rec 1 ElmMyrtle	850.0	440.0	6.0
2. Rec 2 ElmMyrtle	900.0	530.0	6.0
3. Rec 3 ElmMyrtle	980.0	475.0	6.0
4. Rec 4 ElmMyrtle	1060.0	515.0	6.0
5. Rec 5 ElmMyrtle	960.0	593.0	6.0
6. Rec 6 ElmMyrtle	975.0	636.0	6.0
7. Rec 7 ElmMyrtle	1030.0	730.0	6.0
8. Rec 8 ElmMyrtle	1100.0	845.0	6.0
9. Rec 9 ElmMyrtle	1040.0	896.0	6.0
10. Rec 10 ElmMyrtle	952.0	760.0	6.0
11. Rec 11 ElmMyrtle	883.0	658.0	6.0
12. Rec 12 ElmMyrtle	790.0	723.0	6.0
13. Rec 13 ElmMyrtle	710.0	690.0	6.0
14. Rec 14 ElmMyrtle	845.0	590.0	6.0
15. Rec 15 ElmMyrtle	780.0	495.0	6.0
16. Rec 16 MyrtleEMain	1915.0	2160.0	6.0
17. Rec 17 MyrtleEMain	2010.0	2410.0	6.0
18. Rec 18 MyrtleEMain	2045.0	2505.0	6.0
19. Rec 19 MyrtleEMain	2090.0	2525.0	6.0
20. Rec 20 MyrtleEMain	2040.0	2588.0	6.0
21. Rec 21 MyrtleEMain	1860.0	2560.0	6.0
22. Rec 22 MyrtleEMain	1925.0	2425.0	6.0
23. Rec 23 MyrtleEMain	1840.0	2240.0	6.0
24. Rec 24 EMState	1760.0	2540.0	6.0
25. Rec 25 EMState	1655.0	2515.0	6.0
26. Rec 26 EMState	1510.0	2480.0	6.0
27. Rec 27 EMState	1520.0	2405.0	6.0
28. Rec 28 EMState	1620.0	2430.0	6.0
29. Rec 29 EMState	1492.0	2275.0	6.0
30. Rec 30 EMState	1605.0	2295.0	6.0
31. Rec 31 EMState	1715.0	2450.0	6.0
32. Rec 32 EMState	1765.0	2463.0	6.0
33. Rec 33 EMLinLoc	2500.0	2577.0	6.0
34. Rec 34 EMLinLoc	2610.0	2590.0	6.0
35. Rec 35 EMLinLoc	2640.0	2400.0	6.0
36. Rec 36 EMLinLoc	2705.0	2395.0	6.0

RECEPTOR LOCATIONS (cont)

RECEPTOR	COORDINATES (FT) X	Y	Z
37. Rec 37 EMLinLoc	2712.0	2575.0	6.0
38. Rec 38 EMLinLoc	2790.0	2608.0	6.0
39. Rec 39 EMLinLoc	2770.0	2690.0	6.0
40. Rec 40 EMLinLoc	2715.0	2680.0	6.0
41. Rec 41 EMLinLoc	2670.0	2830.0	6.0
42. Rec 42 EMLinLoc	2615.0	2760.0	6.0
43. Rec 43 EMLinLoc	2620.0	2670.0	6.0
44. Rec 44 EMLinLoc	2520.0	2655.0	6.0
45. Rec 45 Lockwood-S95	2690.0	2145.0	6.0
46. Rec 46 Myrtle-S95E	1820.0	1925.0	6.0
47. Rec 47 Myrtle-S95W	1750.0	1990.0	6.0

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	3.7	3.6	3.8	3.2	3.4	3.4	3.6	3.8	3.4	3.3	3.2	3.3	3.6	3.7	3.3	3.2	3.7	3.4	3.6	3.0
10.	3.9	4.0	3.9	3.2	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.3	3.5	3.5	3.4	3.3	3.5	3.4	3.6	3.0
20.	3.8	3.9	3.8	3.2	3.5	3.5	3.6	3.5	3.5	3.5	3.4	3.2	3.7	3.7	3.5	3.2	3.3	3.5	3.6	3.0
30.	3.6	4.0	4.0	3.4	3.5	3.5	3.5	3.6	3.7	3.5	3.5	3.3	3.5	3.9	3.7	3.0	3.2	3.5	3.6	3.0
40.	3.4	3.7	3.9	3.3	3.2	3.3	3.4	3.4	3.9	3.9	3.9	3.4	3.7	4.2	3.9	3.2	3.2	3.5	3.7	3.0
50.	3.4	3.7	3.8	3.2	3.2	3.2	3.4	3.4	4.1	4.0	3.9	3.5	3.7	4.2	3.8	3.1	3.2	3.6	3.7	3.0
60.	3.2	3.6	3.6	3.0	3.0	3.1	3.2	3.2	3.8	3.7	3.6	3.4	3.5	3.9	3.6	3.5	3.2	3.5	3.7	3.1
70.	3.2	3.6	3.6	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.2	3.3	3.7	3.8	4.9	3.3	3.5	3.7	3.2
80.	3.2	3.6	3.6	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.4	3.2	3.4	3.6	3.9	6.3	3.3	3.5	3.8	3.5
90.	3.2	3.6	3.6	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.4	3.2	3.6	3.6	3.9	6.3	3.9	3.7	3.8	4.1
100.	3.2	3.7	3.6	3.1	3.0	3.0	3.0	3.0	3.4	3.4	3.4	3.1	3.6	4.0	3.8	5.5	4.0	3.8	4.0	4.4
110.	3.2	3.6	3.5	3.1	3.1	3.0	3.0	3.0	3.4	3.4	3.5	3.1	4.0	4.0	3.6	5.1	4.2	4.0	3.9	4.5
120.	3.1	3.5	3.4	3.4	3.5	3.1	3.0	3.0	3.5	3.5	3.5	3.4	4.0	4.0	3.5	4.7	4.0	3.9	3.9	4.6
130.	3.0	3.3	3.3	3.7	3.9	3.3	3.0	3.0	3.5	3.6	3.7	3.6	3.8	3.8	3.4	4.3	4.0	3.7	3.7	4.2

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	(PPM)																			
140.	3.0	3.0	3.0	4.1	4.3	3.4	3.1	3.0	3.4	3.6	4.0	3.8	3.2	3.5	3.4	4.1	3.9	3.7	3.7	4.3
150.	3.0	3.0	3.0	4.0	4.2	3.5	3.2	3.1	3.6	3.7	3.8	3.9	3.2	3.4	3.5	3.9	3.9	3.7	3.7	4.3
160.	3.0	3.0	3.0	4.1	4.1	3.5	3.1	3.1	3.6	3.8	3.6	3.9	3.2	3.6	3.6	3.8	3.9	3.7	3.7	4.2
170.	3.0	3.0	3.0	4.0	4.0	3.5	3.2	3.1	3.6	3.7	3.6	4.0	3.0	3.7	3.6	3.7	3.9	3.7	3.7	4.2
180.	3.0	3.0	3.0	4.0	3.9	3.5	3.2	3.1	3.7	3.7	3.6	3.9	3.0	3.7	3.6	3.7	3.9	3.8	3.7	4.3
190.	3.0	3.0	3.0	3.9	3.8	3.5	3.2	3.2	3.7	3.5	3.9	3.7	3.0	3.7	3.3	3.7	3.8	3.9	3.7	4.5
200.	3.0	3.0	3.0	3.8	3.8	3.4	3.2	3.2	3.6	3.6	3.9	3.7	3.0	3.7	3.3	3.9	4.0	4.0	3.8	4.6
210.	3.0	3.1	3.0	3.8	3.7	3.3	3.3	3.2	3.4	3.6	3.7	3.6	3.0	3.4	3.1	4.1	4.1	4.3	4.1	4.6
220.	3.0	3.4	3.0	3.8	4.0	3.6	3.4	3.2	3.3	3.5	3.6	3.6	3.0	3.2	3.1	4.6	4.6	4.5	4.1	4.5
230.	3.2	3.6	3.0	3.8	3.8	3.6	3.3	3.3	3.2	3.2	3.5	3.5	3.0	3.1	3.0	5.1	4.5	4.4	4.2	4.5
240.	3.3	3.7	3.0	3.8	3.7	3.4	3.5	3.4	3.1	3.2	3.7	3.4	3.0	3.0	3.0	5.8	4.5	4.0	3.9	3.9
250.	3.3	3.6	3.1	3.9	3.7	3.4	3.5	3.4	3.1	3.2	3.7	3.4	3.0	3.0	3.0	6.0	4.1	3.5	3.6	4.0
260.	3.3	3.6	3.2	4.2	3.5	3.7	3.5	3.4	3.1	3.1	3.8	3.4	3.0	3.0	3.0	5.0	3.7	3.6	3.7	3.7
270.	3.3	3.5	3.2	4.2	3.6	3.6	3.4	3.4	3.1	3.1	3.7	3.5	3.0	3.0	3.0	3.8	3.9	3.8	3.9	3.1
280.	3.3	3.5	3.2	4.2	3.9	3.6	3.4	3.4	3.1	3.1	3.7	3.5	3.0	3.0	3.0	3.3	4.0	3.7	3.7	3.0
290.	3.3	3.5	3.2	4.2	4.0	3.7	3.4	3.3	3.0	3.1	3.6	3.6	3.0	3.1	3.0	3.3	3.9	3.6	3.7	3.0
300.	3.3	3.7	3.2	4.1	3.9	3.6	3.4	3.5	3.2	3.1	3.5	3.6	3.2	3.4	3.0	3.3	3.9	3.6	3.7	3.0
310.	3.3	3.7	3.6	3.6	3.6	3.4	3.5	3.5	3.2	3.2	3.3	3.4	3.3	3.8	3.0	3.3	3.9	3.5	3.6	3.0
320.	3.4	3.8	3.6	3.5	3.5	3.5	3.5	3.6	3.4	3.2	3.3	3.3	3.5	4.1	3.1	3.2	3.9	3.6	3.6	3.0
330.	3.9	3.9	3.8	3.4	3.6	3.6	3.6	3.6	3.3	3.3	3.2	3.2	3.7	4.2	3.3	3.2	3.9	3.5	3.5	3.0
340.	4.0	3.9	3.7	3.3	3.6	3.6	3.6	3.6	3.4	3.3	3.3	3.4	3.7	4.2	3.3	3.2	3.9	3.6	3.6	3.0
350.	4.0	3.9	3.8	3.1	3.5	3.6	3.5	3.6	3.3	3.3	3.3	3.3	4.0	4.0	3.6	3.2	3.9	3.4	3.6	3.0
360.	3.7	3.6	3.8	3.2	3.4	3.4	3.6	3.8	3.4	3.3	3.2	3.3	3.6	3.7	3.3	3.2	3.7	3.4	3.6	3.0
MAX	4.0	4.0	4.0	4.2	4.3	3.7	3.6	3.8	4.1	4.0	4.0	4.0	4.0	4.2	3.9	6.3	4.6	4.5	4.2	4.6
DEGR.	340	10	30	260	140	260	0	0	50	50	140	170	110	40	40	80	220	220	230	200

JOB: SUT2025 No-Build AM Peak RUN: SUT2025AMNoBuildPeak

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION (cont)
ANGLE * (PPM)

(DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	3.0	3.2	3.0	3.0	3.0	3.0	3.5	3.4	3.2	3.2	3.4	3.4	3.9	3.7	3.2	3.2	3.4	3.8	3.0	3.0
10.	3.0	3.2	3.2	3.0	3.0	3.0	3.5	3.4	3.2	3.2	3.4	3.4	3.8	3.7	3.3	3.3	3.4	3.8	3.0	3.0
20.	3.0	3.3	3.3	3.0	3.0	3.0	3.6	3.5	3.2	3.1	3.5	3.5	3.9	3.6	3.5	3.2	3.5	3.8	3.0	3.0
30.	3.0	3.3	3.3	3.0	3.0	3.0	3.7	3.6	3.2	3.2	3.5	3.6	3.9	3.7	3.5	3.2	3.5	3.7	3.0	3.0
40.	3.0	3.5	3.4	3.0	3.0	3.0	3.7	3.6	3.3	3.2	3.5	3.6	3.9	3.5	3.4	3.2	3.6	3.7	3.0	3.0
50.	3.0	3.5	3.5	3.1	3.0	3.0	3.7	3.7	3.1	3.0	3.6	3.5	3.9	3.8	3.4	3.1	3.6	3.6	3.0	3.0
60.	3.0	3.6	3.4	3.1	3.0	3.0	3.7	3.7	3.0	3.0	3.6	3.8	4.1	3.7	3.3	3.1	3.6	3.7	3.0	3.1
70.	3.2	3.6	3.6	3.4	3.2	3.2	3.5	3.8	3.1	3.2	3.6	3.6	4.0	3.8	3.7	3.6	3.6	3.9	3.1	3.1
80.	3.5	3.9	4.5	3.8	4.0	3.7	3.5	3.7	3.6	3.6	3.7	3.6	4.0	3.7	4.5	4.6	3.5	3.8	3.6	3.8
90.	4.1	4.2	4.9	4.2	4.4	4.1	3.7	3.8	4.1	4.0	3.6	3.9	3.9	3.9	5.1	5.3	3.7	3.5	4.2	4.3
100.	4.5	4.5	5.0	4.6	4.5	4.2	3.7	3.8	4.2	4.2	3.9	3.9	4.0	4.0	5.3	5.4	3.9	3.8	4.3	4.5
110.	4.3	4.4	4.7	4.7	4.3	4.1	3.8	3.8	4.1	4.1	3.9	3.9	4.0	4.2	5.1	5.3	4.0	4.0	4.6	5.0
120.	4.3	4.2	4.6	4.4	4.3	4.2	3.7	3.9	4.0	4.0	3.7	3.7	3.9	4.1	5.0	5.3	4.0	4.0	4.7	4.8
130.	4.6	4.3	4.5	4.4	4.1	4.1	3.7	3.8	3.8	4.0	3.8	3.7	3.8	4.1	4.7	5.1	4.0	3.9	4.7	4.6
140.	4.5	4.1	4.3	4.2	4.2	4.2	3.6	3.7	3.8	3.8	3.7	3.7	3.8	4.1	4.6	5.0	4.0	3.9	4.6	4.6
150.	4.4	4.0	4.2	4.2	4.1	4.0	3.7	3.5	3.7	3.8	3.6	3.7	3.6	4.1	4.5	5.0	3.9	3.9	4.6	4.6
160.	4.3	4.0	4.1	4.1	3.9	4.0	3.7	3.7	3.8	3.8	3.6	3.7	3.6	4.0	4.3	4.9	3.9	3.9	4.6	4.6
170.	4.2	4.2	4.2	4.1	4.0	4.0	3.7	3.7	3.8	3.8	3.7	3.6	3.8	4.0	4.1	4.8	4.1	3.9	4.6	4.7
180.	4.4	4.2	4.2	4.1	4.0	4.0	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7	4.2	4.7	4.1	3.8	4.6	4.6
190.	4.2	4.2	4.2	4.1	4.0	4.0	3.7	3.7	3.8	3.8	3.7	3.7	3.8	3.9	4.3	4.6	4.5	3.8	4.6	4.7
200.	4.4	3.9	4.1	4.4	4.0	4.0	3.7	3.7	3.8	3.8	3.7	3.7	3.8	3.8	4.4	4.6	4.3	3.9	5.0	4.6
210.	4.4	3.9	4.2	4.2	4.0	4.2	3.7	3.6	4.0	3.9	3.7	3.7	3.8	3.9	4.7	4.7	4.6	4.0	4.8	4.6
220.	4.3	3.8	4.3	4.5	4.3	4.3	3.7	3.8	4.0	4.1	3.9	3.9	4.0	3.8	4.9	4.8	4.6	4.0	4.8	4.2
230.	4.4	4.0	4.4	4.4	4.3	4.4	3.9	3.9	4.2	4.2	3.8	3.7	3.9	4.0	5.0	5.3	4.7	4.2	4.7	4.6
240.	4.2	3.8	4.6	3.9	3.8	3.8	3.2	3.3	3.9	4.1	3.4	3.3	3.8	3.9	5.3	5.6	4.6	4.2	4.6	4.4

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	(PPM)																			
250.	3.9	3.2	4.1	3.6	3.6	3.6	3.3	3.3	3.1	3.2	3.3	3.3	3.5	3.7	4.8	5.5	4.2	3.9	4.4	4.2
260.	3.6	3.2	3.3	3.4	3.4	3.3	3.5	3.5	3.0	3.0	3.4	3.5	3.4	3.7	3.8	4.3	3.9	3.5	3.7	3.7
270.	3.3	3.2	3.0	3.1	3.1	3.1	3.7	3.8	3.0	3.0	3.7	3.7	3.7	3.9	3.2	3.5	3.8	3.7	3.3	3.4
280.	3.1	3.4	3.1	3.0	3.0	3.0	3.7	3.8	3.2	3.2	3.7	3.7	3.9	4.1	3.0	3.2	3.9	3.8	3.0	3.2
290.	3.1	3.2	3.2	3.0	3.0	3.0	3.6	3.7	3.2	3.2	3.6	3.6	4.0	4.2	3.2	3.4	3.8	3.7	3.0	3.1
300.	3.1	3.2	3.2	3.0	3.0	3.0	3.7	3.7	3.2	3.2	3.5	3.5	3.8	3.9	3.2	3.4	3.7	3.7	3.0	3.1
310.	3.1	3.3	3.1	3.0	3.0	3.0	3.6	3.6	3.2	3.2	3.5	3.5	3.9	3.9	3.2	3.4	3.5	3.7	3.0	3.0
320.	3.0	3.3	3.0	3.0	3.0	3.0	3.5	3.4	3.2	3.2	3.4	3.5	3.9	3.9	3.3	3.5	3.6	3.8	3.0	3.0
330.	3.0	3.2	3.0	3.0	3.0	3.0	3.5	3.4	3.2	3.2	3.4	3.4	3.9	3.8	3.3	3.5	3.5	3.8	3.0	3.0
340.	3.0	3.2	3.2	3.0	3.0	3.0	3.5	3.4	3.2	3.2	3.4	3.4	3.8	3.8	3.3	3.5	3.4	3.8	3.0	3.0
350.	3.0	3.2	3.1	3.0	3.0	3.0	3.5	3.4	3.2	3.2	3.4	3.4	3.9	3.9	3.3	3.3	3.4	3.8	3.0	3.0
360.	3.0	3.2	3.0	3.0	3.0	3.0	3.5	3.4	3.2	3.2	3.4	3.4	3.9	3.7	3.2	3.2	3.4	3.8	3.0	3.0
MAX	4.6	4.5	5.0	4.7	4.5	4.4	3.9	3.9	4.2	4.2	3.9	3.9	4.1	4.2	5.3	5.6	4.7	4.2	5.0	5.0
DEGR.	130	100	100	110	100	230	230	120	230	100	100	90	60	110	100	240	230	230	200	110

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION

ANGLE (DEGR)	REC41	REC42	REC43	REC44	REC45	REC46	REC47
	(PPM)						
0.	3.0	3.1	3.1	3.0	4.4	4.1	3.9
10.	3.0	3.1	3.2	3.0	4.4	4.1	3.9
20.	3.0	3.1	3.2	3.0	4.5	4.3	4.1
30.	3.0	3.1	3.3	3.0	4.5	4.3	4.4
40.	3.0	3.1	3.3	3.0	4.6	4.5	4.8
50.	3.0	3.1	3.2	3.0	4.6	4.7	5.3
60.	3.0	3.0	3.1	3.0	4.6	4.6	5.8

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	*	(PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47
70.	*	3.0	3.0	3.2	3.2	4.1	4.3	5.6
80.	*	3.0	3.0	3.6	3.5	3.4	3.5	4.7
90.	*	3.0	3.2	4.1	4.1	3.0	3.0	3.8
100.	*	3.2	3.5	4.4	4.3	3.0	3.0	3.2
110.	*	3.7	3.8	4.4	4.5	3.0	3.0	3.2
120.	*	3.7	4.1	4.3	4.6	3.0	3.0	3.2
130.	*	3.7	4.2	4.3	4.5	3.0	3.0	3.0
140.	*	3.8	4.2	4.5	4.4	3.0	3.0	3.2
150.	*	3.8	3.9	4.5	4.3	3.0	3.0	3.2
160.	*	3.8	4.1	4.5	4.4	3.0	3.0	3.2
170.	*	3.7	4.1	4.4	4.3	3.0	3.0	3.2
180.	*	3.7	4.0	4.4	4.3	3.1	3.0	3.2
190.	*	3.7	3.9	4.3	4.4	3.2	3.0	3.2
200.	*	3.8	3.8	4.4	4.4	3.2	3.0	3.2
210.	*	3.8	4.0	4.4	4.4	3.2	3.1	3.1
220.	*	4.0	4.0	4.6	4.5	3.2	3.3	3.0
230.	*	3.7	3.9	4.6	4.4	3.2	3.2	3.0
240.	*	3.6	3.6	4.6	4.4	3.2	3.2	3.1
250.	*	3.2	3.3	4.1	4.0	3.5	3.5	4.4
260.	*	3.0	3.0	3.6	3.5	4.4	4.4	5.0
270.	*	3.0	3.0	3.3	3.3	4.9	4.5	5.3
280.	*	3.0	3.0	3.1	3.1	4.9	4.6	4.9
290.	*	3.0	3.0	3.0	3.0	4.8	4.5	4.6
300.	*	3.0	3.0	3.0	3.0	4.8	4.4	4.3
310.	*	3.0	3.0	3.0	3.0	4.6	4.2	4.1
320.	*	3.0	3.0	3.0	3.0	4.4	4.2	3.9
330.	*	3.1	3.0	3.0	3.0	4.3	4.1	3.9
340.	*	3.2	3.0	3.0	3.0	4.2	4.1	3.7
350.	*	3.0	3.0	3.0	3.0	4.2	4.1	3.7
360.	*	3.0	3.1	3.1	3.0	4.4	4.1	3.9
MAX	*	4.0	4.2	4.6	4.6	4.9	4.7	5.8
DEGR.	*	220	130	220	120	270	50	60

THE HIGHEST CONCENTRATION OF 6.30 PPM OCCURRED AT RECEPTOR REC16.

JOB: SUT2025 No-Build AM Peak RUN: SUT2025AMNoBuildPeak

DATE : 3/ 1/ 6
TIME : 12:31:59

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC1 340	REC2 10	REC3 30	REC4 260	REC5 140	REC6 260	REC7 0	REC8 0	REC9 50	REC10 50	REC11 140	REC12 170	REC13 110	REC14 40	REC15 40	REC16 80	REC17 220	REC18 220	REC19 230	REC20 200
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.1	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.2	.1	.0	.0	.0	.0	.0	.0
9	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3	.4	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.1	.0	.0	.0	.1	.1	.1	.3	.3	.1	.0	.0	.2	.1	.0	.0	.0	.0	.0
13	.0	.1	.0	.0	.0	.0	.1	.1	.3	.2	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.2	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.1	.0	.1	.2	.0	.0	.0	.0	.0
16	.0	.2	.2	.4	.6	.1	.0	.0	.0	.0	.4	.0	.1	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.2	.4	.4	.0	.0	.0	.0	.0	.2	.0	.1	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.1	.1	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.4	.2	.2	.1	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.2
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.2	.1
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1 340	REC2 10	REC3 30	REC4 260	REC5 140	REC6 260	REC7 0	REC8 0	REC9 50	REC10 50	REC11 140	REC12 170	REC13 110	REC14 40	REC15 40	REC16 80	REC17 220	REC18 220	REC19 230	REC20 200
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
64	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	.1	1.9	.0	.0	.0	.1
65	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.6	.5	.4	.3

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	340	10	30	260	140	260	0	0	50	50	140	170	110	40	40	80	220	220	230	200
66	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.1	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
68	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.4	.3	.3	.2
76	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.1	.1	.6	.0	.0	.0	.1
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0

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CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	130	100	100	110	100	230	230	120	230	100	100	90	60	110	100	240	230	230	200	110
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 130	REC22 100	REC23 100	REC24 110	REC25 100	REC26 230	REC27 230	REC28 120	REC29 230	REC30 100	REC31 100	REC32 90	REC33 60	REC34 110	REC35 100	REC36 240	REC37 230	REC38 230	REC39 200	REC40 110
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22	.1	.3	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.3	.4
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4	.1	.1	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.0
40	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43	.4	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: SUT2025 No-Build AM Peak RUN: SUT2025AMNoBuildPeak

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 130	REC22 100	REC23 100	REC24 110	REC25 100	REC26 230	REC27 230	REC28 120	REC29 230	REC30 100	REC31 100	REC32 90	REC33 60	REC34 110	REC35 100	REC36 240	REC37 230	REC38 230	REC39 200	REC40 110
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.2	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
61	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.2	.1	.1	.2	.0	.0	.0	.0	.1	.2	.3	.0	.6	1.3	.0	.0	.0	.1	.5
63	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.0
64	.4	.3	1.0	.3	.2	.0	.0	.4	.0	.5	.3	.1	.0	.0	.0	1.3	.6	.5	.2	.0
65	.0	.0	.0	.0	.0	.0	.1	.1	.2	.1	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0
66	.0	.0	.0	.0	.0	.1	.1	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.2	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0
76	.3	.1	.6	.2	.1	.0	.0	.3	.0	.4	.1	.0	.0	.0	.0	.7	.3	.3	.1	.0
77	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
78	.0	.2	.1	.1	.2	.0	.0	.0	.0	.1	.2	.2	.0	.4	.8	.0	.0	.0	.1	.3

JOB: SUT2025 No-Build AM Peak RUN: SUT2025AMNoBuildPeak

DATE : 3/ 1/ 6
TIME : 12:31:59

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC41 220	REC42 130	REC43 220	REC44 120	REC45 270	REC46 50	REC47 60
1	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.1
22	.0	.0	.0	.0	.0	.0	.0
23	.1	.0	.2	.2	.0	.0	.0
24	.0	.0	.0	.0	.0	.0	.0
25	.1	.0	.2	.2	.0	.0	.0
26	.0	.1	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0

```
        *    CO/LINK  (PPM) (cont)
        *    ANGLE (DEGREES)
        *  REC41 REC42 REC43 REC44 REC45 REC46 REC47
LINK # *   220   130   220   120   270    50    60
-------*----------------------------------------
   28  *    .0    .0    .0    .0    .0    .0    .0
   29  *    .0    .1    .0    .0    .0    .0    .0
   30  *    .0    .0    .0    .0    .0    .0    .0
   31  *    .0    .1    .0    .0    .0    .0    .0
   32  *    .1    .0    .3    .4    .0    .0    .0
   33  *    .0    .0    .0    .0    .0    .0    .0
   34  *    .0    .0    .0    .0    .1    .0    .0
   35  *    .0    .0    .0    .1    .0    .0    .0
   36  *    .0    .0    .0    .0    .0    .0    .0
   37  *    .0    .1    .0    .0    .0    .0    .0
   38  *    .0    .1    .0    .0    .0    .0    .0
   39  *    .0    .0    .0    .0    .1    .0    .0
   40  *    .0    .0    .0    .0    .0    .0    .1
   41  *    .0    .0    .0    .0    .0    .0    .0
   42  *    .0    .0    .0    .0    .0    .0    .0
   43  *    .0    .0    .0    .0    .0    .0    .0
   44  *    .0    .0    .0    .0    .0    .0    .0
   45  *    .0    .0    .0    .0    .0    .0    .0
   46  *    .0    .0    .0    .0    .0    .0    .0
   47  *    .0    .0    .0    .0    .0    .0    .0
   48  *    .0    .0    .0    .0    .0    .0    .0
   49  *    .0    .0    .0    .0    .0    .0    .0
   50  *    .0    .0    .0    .0    .0    .0    .0
   51  *    .0    .0    .0    .0    .0    .0    .0
   52  *    .0    .0    .0    .0    .0    .0    .0
   53  *    .0    .0    .0    .0    .0    .0    .0
   54  *    .0    .0    .0    .0    .0    .0    .0
   55  *    .0    .0    .0    .0    .0    .0    .0
   56  *    .0    .0    .0    .0    .0    .0    .0
   57  *    .0    .0    .0    .0    .0    .0    .0
   58  *    .0    .0    .0    .0    .0    .0    .0
   59  *    .0    .0    .0    .0    .0    .0    .0
   60  *    .0    .0    .0    .0    .0    .0    .0
   61  *    .0    .0    .0    .0    .0    .0    .0
   62  *    .0    .4    .0    .4    .0    .1    .1
   63  *    .0    .0    .0    .0    .0    .0    .0
   64  *    .3    .0    .4    .0    .5    .7    .8
```

```
       *    CO/LINK  (PPM) (cont)
       *    ANGLE (DEGREES)
       *  REC41 REC42 REC43 REC44 REC45 REC46 REC47
LINK # *   220   130   220   120   270    50    60
-------*----------------------------------------
   65  *    .1    .0    .1    .0    .3    .1    .4
   66  *    .0    .0    .0    .0    .0    .0    .0
   67  *    .0    .0    .0    .0    .0    .0    .0
   68  *    .0    .0    .0    .0    .0    .0    .0
   69  *    .0    .0    .0    .0    .0    .0    .0
   70  *    .0    .0    .0    .0    .0    .0    .0
   71  *    .0    .0    .0    .0    .0    .0    .0
   72  *    .0    .0    .0    .0    .0    .0    .0
   73  *    .0    .0    .0    .0    .0    .0    .0
   74  *    .0    .0    .0    .0    .0    .0    .0
   75  *    .1    .0    .1    .0    .2    .1    .6
   76  *    .2    .0    .3    .0    .7    .7    .6
   77  *    .0    .0    .0    .0    .0    .0    .0
   78  *    .0    .3    .0    .3    .0    .0    .1
```

CAL3QHC Output Files for the Following Scenario:
2025 No-Build PM Peak

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

JOB: SUT2025 No-Build PM Peak RUN: SUT2025PMNoBuildPeak

DATE : 3/ 1/ 6
TIME : 12:29:24

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 3.0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. JeffersonNBApp1	.0	268.0	662.0	332.0	665.	84.	AG	846.	8.0	.0	42.0		
2. JeffersonNBApp2	662.0	332.0	774.0	395.0	129.	61.	AG	846.	8.0	.0	42.0		
3. JeffersonNBApp3	774.0	395.0	910.0	587.0	235.	35.	AG	846.	8.0	.0	42.0		
4. JeffersonNBRTQueue	881.0	542.0	-589.3	-1712.4	2691.	213.	AG	75.	100.0	.0	11.0	1.46	136.7
5. JeffersonNBLQueue	862.0	554.0	696.0	273.9	326.	211.	AG	101.	100.0	.0	11.0	1.13	16.5
6. MyrtleNBDep	915.0	588.0	1280.0	1190.0	704.	31.	AG	671.	8.0	.0	42.0		
7. MyrtleNBMid1	1280.0	1190.0	1722.0	1827.0	775.	35.	AG	671.	8.0	.0	42.0		
8. ElmEBApp	218.0	1100.0	883.0	593.0	836.	127.	AG	1177.	8.0	.0	42.0		
9. ElmEBTRQueue	834.0	618.0	661.1	749.7	217.	307.	AG	137.	100.0	.0	22.0	.52	11.0
10. ElmEBLQueue	844.0	630.0	806.2	658.9	48.	307.	AG	68.	100.0	.0	11.0	.57	2.4
11. ElmEBDep	878.0	580.0	1668.0	.0	980.	126.	AG	1284.	8.0	.0	42.0		
12. MyrtleSBApp	1262.0	1202.0	883.0	608.0	705.	213.	AG	580.	8.0	.0	42.0		
13. MyrtleSBRTQueue	904.0	651.0	1165.8	1076.4	499.	32.	AG	75.	100.0	.0	11.0	1.04	25.4
14. MyrtleSBLQueue	914.0	646.0	992.1	776.2	152.	31.	AG	102.	100.0	.0	11.0	1.02	7.7
15. Jefferson SBDep	883.0	608.0	758.0	408.0	236.	212.	AG	638.	8.0	.0	42.0		
16. ElmWBApp	1681.0	19.0	894.0	610.0	984.	307.	AG	873.	8.0	.0	42.0		
17. ElmWBTRQueue	942.0	578.0	1025.5	513.8	105.	128.	AG	111.	100.0	.0	22.0	.26	5.4
18. ElmWBLQueue	932.0	567.0	2035.9	-264.7	1382.	127.	AG	53.	100.0	.0	11.0	2.79	70.2
19. ElmWBDep	894.0	610.0	226.0	1116.0	838.	307.	AG	883.	8.0	.0	42.0		
20. MyrtleNBMid2	1722.0	1827.0	1797.0	1956.0	149.	30.	AG	602.	8.0	.0	42.0		
21. MyrtleNBApp	1797.0	1956.0	2027.0	2542.0	630.	21.	AG	602.	8.0	.0	42.0		
22. MyrtleNBRLQueue	2011.0	2478.0	1757.4	1790.4	733.	200.	AG	182.	100.0	.0	22.0	1.19	37.2
23. Mtl-EMDepLinApp	2023.0	2542.0	2679.0	2626.0	661.	83.	AG	1705.	8.0	.0	42.0		

LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
24. EMLincolnEBLQueue	2611.0	2626.0	2584.4	2622.9	27.	263.	AG	50.	100.0	.0	11.0	.39	1.4
25. EMLincolnEBRTQueue	2613.0	2612.0	2364.5	2583.8	250.	264.	AG	113.	100.0	.0	22.0	.49	12.7
26. EMLinEBDep1	2679.0	2626.0	3132.0	2681.0	456.	83.	AG	1432.	8.0	.0	42.0		
27. EMLinEBDep2	3132.0	2681.0	3622.0	2847.0	517.	71.	AG	1432.	8.0	.0	42.0		
28. EMLinWBApp1	3614.0	2877.0	3127.0	2709.0	515.	251.	AG	1258.	8.0	.0	42.0		
29. EMLinWBApp2	3127.0	2709.0	2659.0	2648.0	472.	263.	AG	1258.	8.0	.0	42.0		
30. EMLinWBLQueue	2710.0	2640.0	5572.8	3021.7	2888.	82.	AG	36.	100.0	.0	11.0	4.11	146.7
31. EMLinWBRTQueue	2708.0	2655.0	2818.8	2669.6	112.	82.	AG	89.	100.0	.0	22.0	.22	5.7
32. EMLinDepMtlApp	2659.0	2648.0	2018.0	2560.0	647.	262.	AG	1211.	8.0	.0	42.0		
33. EMWBMtlTLQueue	2053.0	2566.0	2127.9	2576.1	76.	82.	AG	46.	100.0	.0	22.0	.45	3.8
34. LockwoodNBApp	2621.0	1608.0	2690.0	2628.0	1022.	4.	AG	293.	8.0	.0	42.0		
35. LockwoodNBLRTQueue	2691.0	2578.0	2685.6	2505.0	73.	184.	AG	156.	100.0	.0	22.0	.52	3.7
36. LincolnNBDep	2663.0	2622.0	2619.0	3342.0	721.	357.	AG	158.	8.0	.0	35.0		
37. LincolnSBApp	2605.0	3341.0	2645.0	2621.0	721.	177.	AG	187.	8.0	.0	35.0		
38. LincolnSBRLTQueue	2643.0	2675.0	2638.5	2755.7	81.	357.	AG	78.	100.0	.0	15.0	.45	4.1
39. LockwoodSBDep	2679.0	2626.0	2608.0	1610.0	1018.	184.	AG	626.	8.0	.0	35.0		
40. MyrtleSBDep	2000.0	2546.0	1778.0	1967.0	620.	201.	AG	575.	8.0	.0	42.0		
41. MyrtleSBMid1	1778.0	1967.0	1703.0	1838.0	149.	210.	AG	575.	8.0	.0	42.0		
42. MyrtleSBMid2	1703.0	1838.0	1262.0	1202.0	774.	215.	AG	580.	8.0	.0	42.0		
43. MtlEMWBDepCstlApp	2018.0	2560.0	1826.0	2532.0	194.	262.	AG	1384.	8.0	.0	35.0		
44. CrystalNBDep	1836.0	2533.0	1912.0	3113.0	585.	7.	AG	20.	8.0	.0	35.0		
45. CrystalSBApp	1902.0	3115.0	1814.0	2529.0	593.	189.	AG	155.	8.0	.0	35.0		
46. CrystalSBRLQueue	1818.0	2554.0	1829.5	2640.7	87.	8.	AG	91.	100.0	.0	11.0	.62	4.4
47. EMCstlWBDepStateApp	1826.0	2532.0	1658.0	2488.0	174.	255.	AG	1524.	8.0	.0	35.0		
48. EMStateWBTLQueue	1698.0	2499.0	1883.8	2546.2	192.	76.	AG	23.	100.0	.0	11.0	.70	9.7
49. EMStateWBDep	1658.0	2488.0	1085.0	2350.0	589.	256.	AG	1507.	8.0	.0	35.0		
50. EMStateEBApp	1090.0	2330.0	1662.0	2465.0	588.	77.	AG	1687.	8.0	.0	35.0		
51. EMStateEBTRQueue	1610.0	2452.0	1403.4	2403.5	212.	257.	AG	23.	100.0	.0	11.0	.62	10.8
52. StateSBDep1	1671.0	2468.0	1639.0	2394.0	81.	203.	AG	86.	8.0	.0	35.0		
53. StateSBDep2	1639.0	2394.0	1592.0	2336.0	75.	219.	AG	86.	8.0	.0	35.0		
54. StateSBDep3	1592.0	2336.0	1305.0	2072.0	390.	227.	AG	86.	8.0	.0	35.0		
55. StateNBApp1	1318.0	2059.0	1602.0	2324.0	388.	47.	AG	201.	8.0	.0	35.0		
56. StateNBApp2	1602.0	2324.0	1652.0	2386.0	80.	39.	AG	201.	8.0	.0	35.0		
57. StateNBApp3	1652.0	2386.0	1692.0	2472.0	95.	25.	AG	201.	8.0	.0	35.0		
58. StateNBRLQueue	1674.0	2433.0	1621.0	2319.8	125.	205.	AG	91.	100.0	.0	11.0	.80	6.4
59. EMStateEBDepCstlApp	1662.0	2465.0	1832.0	2508.0	175.	76.	AG	1819.	8.0	.0	35.0		
60. EMCstlEBDepMyrtleApp	1832.0	2508.0	2023.0	2542.0	194.	80.	AG	1819.	8.0	.0	35.0		

LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
61. EMEBMyrtleTRQueue	1918.0	2520.0	1804.8	2504.2	114.	262.	AG	46.	100.0	.0	11.0	.35	5.8
62. I-95 SB-1	3700.0	2570.0	2700.0	2320.0	1031.	256.	FL	5643.	9.0	30.0	52.0		
63. I-95 SBBR-2	2700.0	2320.0	2600.0	2300.0	102.	259.	BR	5643.	9.0	30.0	52.0		
64. I-95 SB-3	2600.0	2300.0	1955.0	2140.0	665.	256.	FL	5643.	9.0	30.0	52.0		
65. I-95 SBBR-4	1955.0	2140.0	1160.0	1940.0	820.	256.	BR	5643.	9.0	30.0	52.0		
66. I-95 SBBR-5	1160.0	1940.0	1000.0	1895.0	166.	254.	BR	5643.	9.0	30.0	52.0		
67. I-95 SB-6	1000.0	1895.0	640.0	1700.0	409.	242.	FL	5643.	9.0	30.0	52.0		
68. I-95 SB-7	640.0	1700.0	475.0	1580.0	204.	234.	FL	5643.	9.0	30.0	52.0		
69. I-95 SB-8	475.0	1580.0	290.0	1435.0	235.	232.	FL	5643.	9.0	30.0	52.0		
70. I-95 NB-1	290.0	1375.0	470.0	1525.0	234.	50.	FL	5882.	9.0	30.0	52.0		
71. I-95 NB-2	470.0	1525.0	575.0	1600.0	129.	54.	FL	5882.	9.0	30.0	52.0		
72. I-95 NB-3	575.0	1600.0	760.0	1715.0	218.	58.	FL	5882.	9.0	30.0	52.0		
73. I-95 NB-4	760.0	1715.0	950.0	1815.0	215.	62.	FL	5882.	9.0	30.0	52.0		
74. I-95 NBBR-5	950.0	1815.0	1160.0	1890.0	223.	70.	BR	5882.	9.0	30.0	52.0		
75. I-95 NBBR-6	1160.0	1890.0	1933.0	2082.0	796.	76.	BR	5882.	9.0	30.0	52.0		
76. I-95 NB-7	1933.0	2082.0	2600.0	2240.0	685.	77.	FL	5882.	9.0	30.0	52.0		
77. I-95 NBBR-8	2600.0	2240.0	2700.0	2270.0	104.	73.	BR	5882.	9.0	30.0	52.0		
78. I-95 NB-9	2700.0	2270.0	3700.0	2500.0	1026.	77.	FL	5882.	9.0	30.0	52.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. JeffersonNBRTQueue	115	76	1.0	703	1535	42.43	2	1
5. JeffersonNBLQueue	115	102	1.0	143	1459	42.43	2	1
9. ElmEBTRQueue	115	69	1.0	1061	2738	42.43	2	1
10. ElmEBLQueue	115	69	1.0	116	548	42.43	1	2
13. MyrtleSBRTQueue	115	76	1.0	464	1428	42.43	2	1
14. MyrtleSBLQueue	115	103	1.0	116	1459	42.43	2	1
17. ElmWBTRQueue	115	56	1.0	689	2726	42.43	2	3
18. ElmWBLQueue	115	54	1.0	184	132	42.43	1	1
22. MyrtleNBRLQueue	115	92	1.0	602	1464	42.43	2	1
24. EMLincolnEBLQueue	115	51	1.0	96	468	42.43	2	4
25. EMLincolnEBRTQueue	115	57	1.0	1593	3391	42.43	2	1
30. EMLinWBLQueue	115	36	1.0	349	129	42.43	2	1

ADDITIONAL QUEUE LINK PARAMETERS (cont)

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
31. EMLinWBRTQueue	115	45	1.0	909	3506	42.43	2	4
33. EMWBMtlTLQueue	115	23	1.0	1203	1720	42.43	2	1
35. LockwoodNBLRTQueue	115	79	1.0	293	976	42.43	2	1
38. LincolnSBRLTQueue	115	79	1.0	187	1454	42.43	2	3
46. CrystalSBRLQueue	115	92	1.0	155	1439	42.43	2	1
48. EMStateWBTLQueue	115	23	1.0	1524	2803	42.43	2	1
51. EMStateEBTRQueue	115	23	1.0	1687	3513	42.43	2	1
58. StateNBRLQueue	115	92	1.0	201	1439	42.43	2	1
61. EMEBMyrtleTRQueue	115	23	1.0	1819	3341	42.43	2	5

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. Rec 1 ElmMyrtle	850.0	440.0	6.0
2. Rec 2 ElmMyrtle	900.0	530.0	6.0
3. Rec 3 ElmMyrtle	980.0	475.0	6.0
4. Rec 4 ElmMyrtle	1060.0	515.0	6.0
5. Rec 5 ElmMyrtle	960.0	593.0	6.0
6. Rec 6 ElmMyrtle	975.0	636.0	6.0
7. Rec 7 ElmMyrtle	1030.0	730.0	6.0
8. Rec 8 ElmMyrtle	1100.0	845.0	6.0
9. Rec 9 ElmMyrtle	1040.0	896.0	6.0
10. Rec 10 ElmMyrtle	952.0	760.0	6.0
11. Rec 11 ElmMyrtle	883.0	658.0	6.0
12. Rec 12 ElmMyrtle	790.0	723.0	6.0
13. Rec 13 ElmMyrtle	710.0	690.0	6.0
14. Rec 14 ElmMyrtle	845.0	590.0	6.0
15. Rec 15 ElmMyrtle	780.0	495.0	6.0
16. Rec 16 MyrtleEMain	1915.0	2160.0	6.0
17. Rec 17 MyrtleEMain	2010.0	2410.0	6.0
18. Rec 18 MyrtleEMain	2045.0	2505.0	6.0
19. Rec 19 MyrtleEMain	2090.0	2525.0	6.0
20. Rec 20 MyrtleEMain	2040.0	2588.0	6.0
21. Rec 21 MyrtleEMain	1860.0	2560.0	6.0
22. Rec 22 MyrtleEMain	1925.0	2425.0	6.0
23. Rec 23 MyrtleEMain	1840.0	2240.0	6.0
24. Rec 24 EMState	1760.0	2540.0	6.0

JOB: SUT2025 No-Build PM Peak RUN: SUT2025PMNoBuildPeak

DATE : 3/ 1/ 6
TIME : 12:29:24

RECEPTOR LOCATIONS (cont)

RECEPTOR	COORDINATES (FT) X	Y	Z
25. Rec 25 EMState	1655.0	2515.0	6.0
26. Rec 26 EMState	1510.0	2480.0	6.0
27. Rec 27 EMState	1520.0	2405.0	6.0
28. Rec 28 EMState	1620.0	2430.0	6.0
29. Rec 29 EMState	1492.0	2275.0	6.0
30. Rec 30 EMState	1605.0	2295.0	6.0
31. Rec 31 EMState	1715.0	2450.0	6.0
32. Rec 32 EMState	1765.0	2463.0	6.0
33. Rec 33 EMLinLoc	2500.0	2577.0	6.0
34. Rec 34 EMLinLoc	2610.0	2590.0	6.0
35. Rec 35 EMLinLoc	2640.0	2400.0	6.0
36. Rec 36 EMLinLoc	2705.0	2395.0	6.0
37. Rec 37 EMLinLoc	2712.0	2575.0	6.0
38. Rec 38 EMLinLoc	2790.0	2608.0	6.0
39. Rec 39 EMLinLoc	2770.0	2690.0	6.0
40. Rec 40 EMLinLoc	2715.0	2680.0	6.0
41. Rec 41 EMLinLoc	2670.0	2830.0	6.0
42. Rec 42 EMLinLoc	2615.0	2760.0	6.0
43. Rec 43 EMLinLoc	2620.0	2670.0	6.0
44. Rec 44 EMLinLoc	2520.0	2655.0	6.0
45. Rec 45 Lockwood-S95	2690.0	2145.0	6.0
46. Rec 46 Myrtle-S95E	1820.0	1925.0	6.0
47. Rec 47 Myrtle-S95W	1750.0	1990.0	6.0

JOB: SUT2025 No-Build PM Peak RUN: SUT2025PMNoBuildPeak

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	3.8	4.2	4.1	3.2	3.6	3.6	3.6	3.7	3.2	3.3	3.2	3.3	4.2	3.9	3.4	4.2	3.9	3.5	3.7	3.0
10.	4.0	4.2	4.2	3.3	3.7	3.8	3.7	3.7	3.3	3.3	3.4	3.3	4.1	3.6	3.4	4.1	3.6	3.5	3.7	3.0
20.	3.9	4.2	4.0	3.2	3.6	3.7	3.7	3.6	3.4	3.4	3.4	3.2	4.2	3.9	3.5	3.7	3.4	3.7	3.7	3.0
30.	3.8	4.1	4.1	3.4	3.4	3.5	3.5	3.6	3.7	3.7	3.6	3.2	4.1	4.2	3.8	3.3	3.3	3.7	3.8	3.0
40.	3.6	3.9	3.8	3.2	3.3	3.3	3.3	3.3	4.0	4.0	4.0	3.4	4.3	4.4	3.9	3.3	3.3	3.7	3.8	3.0
50.	3.5	3.8	3.8	3.2	3.2	3.2	3.3	3.4	4.0	4.0	4.0	3.4	4.3	4.2	3.9	3.2	3.3	3.6	3.9	3.0
60.	3.3	3.6	3.5	3.0	3.0	3.0	3.1	3.2	3.8	3.8	3.7	3.4	4.0	3.9	3.6	3.4	3.3	3.7	3.9	3.1
70.	3.2	3.7	3.5	3.0	3.0	3.0	3.0	3.0	3.6	3.6	3.7	3.3	4.0	3.7	3.9	4.5	3.2	3.7	4.0	3.3
80.	3.2	3.8	3.7	3.0	3.0	3.0	3.0	3.0	3.5	3.7	3.7	3.3	4.0	3.7	4.0	5.6	3.4	3.7	4.1	3.7
90.	3.2	3.8	3.7	3.0	3.0	3.0	3.0	3.0	3.5	3.7	3.5	3.4	4.0	4.0	3.8	5.7	3.7	3.7	3.8	4.4
100.	3.2	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.4	3.6	3.4	3.4	4.2	3.9	3.7	5.1	3.9	3.7	3.7	4.4
110.	3.2	3.8	3.9	3.1	3.1	3.0	3.0	3.0	3.4	3.6	3.4	3.1	4.3	4.2	3.7	4.9	4.0	3.8	3.8	4.5
120.	3.1	3.7	3.8	3.4	3.5	3.0	3.0	3.0	3.5	3.7	3.5	3.3	4.2	4.3	3.7	4.5	3.8	3.7	3.9	4.6
130.	3.0	3.5	3.6	3.6	3.7	3.3	3.0	3.0	3.4	3.6	3.8	3.7	3.8	3.9	3.5	4.2	3.8	3.6	3.6	4.3
140.	3.0	3.1	3.2	3.8	4.0	3.5	3.2	3.0	3.4	3.8	3.9	3.7	3.4	3.6	3.4	4.1	3.8	3.6	3.6	4.3
150.	3.0	3.0	3.1	3.7	4.0	3.6	3.2	3.1	3.5	3.8	3.9	3.9	3.2	3.6	3.6	3.9	3.8	3.6	3.6	4.3
160.	3.0	3.0	3.0	3.7	4.0	3.5	3.2	3.1	3.6	3.9	3.6	4.0	3.1	3.5	3.6	3.8	3.8	3.6	3.6	4.2
170.	3.0	3.0	3.0	3.6	3.9	3.5	3.2	3.1	3.7	4.0	3.8	3.9	3.1	3.7	3.6	3.7	3.8	3.6	3.6	4.2
180.	3.0	3.0	3.0	3.5	3.8	3.5	3.2	3.1	3.7	4.0	4.0	3.8	3.1	3.7	3.6	3.7	3.9	3.7	3.6	4.3
190.	3.0	3.0	3.0	3.5	3.8	3.4	3.3	3.1	3.7	3.9	4.0	3.8	3.1	3.6	3.7	4.0	4.0	4.0	3.8	4.8
200.	3.1	3.2	3.0	3.5	3.8	3.3	3.4	3.2	3.8	3.9	3.9	3.7	3.1	3.6	3.4	4.3	4.3	4.3	4.0	5.1
210.	3.1	3.4	3.0	3.5	4.0	3.7	3.5	3.3	3.7	4.0	3.8	3.6	3.0	3.5	3.4	4.8	4.7	4.5	4.3	4.8
220.	3.3	3.6	3.1	3.6	4.1	3.7	3.6	3.5	3.2	3.6	3.7	3.6	3.0	3.3	3.2	5.3	4.8	4.4	4.1	4.7
230.	3.5	3.8	3.1	3.6	4.1	3.7	3.4	3.6	3.3	3.3	3.5	3.6	3.0	3.1	3.1	5.6	4.7	4.3	4.1	4.6
240.	3.7	3.9	3.2	3.6	4.0	3.8	3.7	3.7	3.2	3.3	3.6	3.6	3.0	3.1	3.1	6.2	4.6	4.0	3.9	4.1
250.	3.9	3.9	3.4	3.8	3.8	3.6	3.8	3.6	3.1	3.3	3.7	3.6	3.0	3.0	3.1	6.1	4.2	3.6	3.7	4.2

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
260.	3.8	3.7	3.3	4.0	3.7	3.6	3.8	3.5	3.1	3.3	3.7	3.6	3.0	3.0	3.0	5.3	3.8	3.7	4.1	3.9
270.	3.5	3.6	3.4	3.9	3.9	3.7	3.8	3.5	3.1	3.3	3.7	3.8	3.0	3.0	3.0	4.2	3.9	4.0	4.4	3.1
280.	3.5	3.5	3.4	4.0	3.7	3.8	3.7	3.5	3.0	3.2	3.8	3.8	3.0	3.0	3.0	3.8	4.1	4.0	4.1	3.0
290.	3.5	3.5	3.4	4.2	4.1	4.0	3.7	3.4	3.0	3.2	3.8	3.7	3.1	3.2	3.0	3.9	4.0	3.8	3.9	3.0
300.	3.5	3.8	3.7	3.9	3.8	3.7	3.5	3.5	3.1	3.0	3.6	3.5	3.4	3.6	3.0	3.9	4.1	3.7	3.9	3.0
310.	3.5	4.0	3.8	3.6	3.8	3.7	3.6	3.6	3.2	3.1	3.3	3.3	3.7	4.0	3.0	3.9	3.9	3.8	3.8	3.0
320.	3.7	4.2	4.0	3.3	3.7	3.7	3.7	3.7	3.4	3.2	3.3	3.2	4.1	4.2	3.2	3.8	4.0	3.6	3.6	3.0
330.	3.9	4.2	4.0	3.4	3.6	3.7	3.6	3.7	3.3	3.3	3.2	3.2	4.3	4.3	3.4	3.9	4.0	3.7	3.7	3.0
340.	4.0	4.0	3.8	3.3	3.7	3.8	3.6	3.7	3.3	3.3	3.2	3.4	4.3	4.3	3.5	4.0	4.1	3.6	3.7	3.0
350.	4.1	4.2	4.2	3.2	3.7	3.8	3.6	3.7	3.2	3.3	3.2	3.3	4.5	4.0	3.5	4.0	4.0	3.6	3.7	3.0
360.	3.8	4.2	4.1	3.2	3.6	3.6	3.6	3.7	3.2	3.3	3.2	3.3	4.2	3.9	3.4	4.2	3.9	3.5	3.7	3.0
MAX	4.1	4.2	4.2	4.2	4.1	4.0	3.8	3.7	4.0	4.0	4.0	4.0	4.5	4.4	4.0	6.2	4.8	4.5	4.4	5.1
DEGR.	350	0	10	290	220	290	250	0	40	40	40	160	350	40	80	240	220	210	270	200

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION

ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0.	3.0	3.3	3.1	3.0	3.0	3.0	3.7	3.6	3.2	3.3	3.6	3.6	3.9	3.8	3.2	3.5	3.5	3.7	3.0	3.0
10.	3.0	3.3	3.2	3.0	3.0	3.0	3.7	3.6	3.2	3.3	3.6	3.6	3.9	3.8	3.5	3.3	3.5	3.7	3.0	3.0
20.	3.0	3.4	3.3	3.0	3.0	3.0	3.7	3.7	3.2	3.5	3.6	3.7	3.9	3.8	3.6	3.2	3.5	3.7	3.0	3.0
30.	3.0	3.4	3.4	3.1	3.0	3.0	3.9	3.8	3.2	3.4	3.8	3.9	4.0	3.7	3.6	3.2	3.5	3.8	3.0	3.0
40.	3.0	3.7	3.6	3.1	3.0	3.0	3.9	3.9	3.4	3.4	3.7	3.9	4.1	3.7	3.5	3.2	3.6	3.7	3.0	3.0
50.	3.0	3.8	3.7	3.1	3.0	3.0	3.9	3.9	3.2	3.3	3.9	4.0	4.1	3.8	3.5	3.2	3.7	3.7	3.0	3.0
60.	3.0	3.8	3.7	3.1	3.0	3.0	3.9	4.0	3.2	3.2	3.7	4.0	4.4	3.9	3.4	3.2	3.6	3.8	3.0	3.1
70.	3.3	3.8	3.8	3.5	3.3	3.3	3.9	4.0	3.1	3.4	3.9	3.9	4.1	4.1	3.7	3.5	3.7	3.9	3.1	3.2
80.	3.8	3.9	4.3	3.8	4.0	4.0	3.9	3.9	3.5	3.5	3.7	3.8	4.1	4.1	4.3	4.3	3.6	3.8	3.7	3.8
90.	4.3	4.0	4.8	4.2	4.3	4.2	3.9	4.0	3.9	4.0	3.8	3.8	4.0	4.0	4.9	4.9	3.6	3.5	4.1	4.2
100.	4.6	4.4	4.9	4.8	4.5	4.4	3.9	3.8	4.0	4.2	3.7	3.7	3.9	4.0	5.1	5.0	3.7	3.8	4.4	4.6
110.	4.4	4.3	4.7	4.8	4.4	4.3	3.9	3.8	4.1	4.1	3.8	3.8	3.9	4.0	4.8	4.9	3.9	3.8	4.5	4.8
120.	4.3	4.2	4.6	4.5	4.4	4.3	3.8	3.9	3.9	3.9	3.7	3.7	3.8	4.1	4.8	4.9	3.8	3.8	4.6	4.7
130.	4.4	4.3	4.5	4.5	4.2	4.4	3.7	3.8	3.8	3.8	3.7	3.7	3.7	4.1	4.6	4.7	3.8	3.8	4.5	4.7
140.	4.6	4.2	4.4	4.3	4.3	4.3	3.6	3.8	3.8	3.8	3.7	3.7	3.6	3.9	4.5	4.7	3.8	3.8	4.5	4.5
150.	4.8	4.2	4.4	4.4	4.2	4.1	3.7	3.7	3.6	3.7	3.6	3.7	3.7	3.8	4.4	4.7	3.8	3.8	4.4	4.5
160.	4.7	4.2	4.3	4.3	4.2	4.0	3.6	3.8	3.6	3.7	3.7	3.7	3.6	3.7	4.2	4.6	3.8	3.8	4.4	4.5

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	(PPM)																			
170.	4.6	4.3	4.3	4.2	4.2	4.0	3.6	3.7	3.6	3.6	3.7	3.6	3.7	3.9	4.2	4.5	3.8	3.8	4.4	4.3
180.	4.6	4.4	4.3	4.2	4.1	4.0	3.6	3.7	3.6	3.6	3.7	3.7	3.6	3.7	4.2	4.6	3.9	3.7	4.4	4.6
190.	4.4	4.3	4.2	4.2	4.2	4.0	3.6	3.6	3.6	3.7	3.6	3.6	3.7	3.8	4.1	4.4	4.3	3.8	4.5	4.6
200.	4.4	4.1	4.1	4.3	4.1	4.1	3.6	3.6	3.7	3.7	3.6	3.6	3.7	3.6	4.3	4.5	4.4	3.8	4.7	4.6
210.	4.6	3.9	4.0	4.3	4.1	4.3	3.6	3.5	3.7	3.8	3.7	3.6	3.7	3.8	4.4	4.4	4.6	3.8	4.6	4.5
220.	4.3	3.7	4.1	4.5	4.4	4.3	3.6	3.7	3.9	3.8	3.7	3.6	3.8	3.7	4.6	4.6	4.6	3.9	4.7	4.4
230.	4.5	3.8	4.1	4.4	4.3	4.1	3.6	3.7	3.9	4.1	3.8	3.8	3.9	3.9	4.7	4.9	4.6	4.1	4.6	4.6
240.	4.2	3.7	4.4	4.0	4.0	3.9	3.2	3.2	3.7	3.8	3.3	3.4	3.8	3.9	4.9	5.2	4.7	4.2	4.9	4.7
250.	4.0	3.2	3.9	3.8	3.8	3.7	3.4	3.4	3.1	3.2	3.4	3.5	3.5	3.6	4.5	5.1	4.2	3.8	4.3	4.2
260.	3.7	3.2	3.2	3.4	3.4	3.4	3.7	3.7	3.0	3.1	3.7	3.7	3.6	3.7	3.8	4.2	4.1	3.8	3.7	3.9
270.	3.3	3.3	3.0	3.2	3.1	3.1	3.9	4.0	3.0	3.2	3.9	4.0	4.0	4.1	3.1	3.4	4.0	3.8	3.3	3.5
280.	3.1	3.4	3.2	3.0	3.0	3.0	3.9	4.0	3.2	3.3	3.9	3.9	4.3	4.4	3.1	3.3	4.2	3.9	3.0	3.2
290.	3.1	3.3	3.2	3.0	3.0	3.0	3.9	3.9	3.2	3.3	3.8	3.9	4.3	4.3	3.2	3.4	3.9	3.8	3.0	3.1
300.	3.1	3.2	3.2	3.0	3.0	3.0	3.9	3.9	3.2	3.2	3.8	3.7	4.2	4.1	3.2	3.4	3.9	3.7	3.0	3.1
310.	3.1	3.3	3.2	3.0	3.0	3.0	3.7	3.7	3.2	3.2	3.7	3.6	4.1	4.1	3.3	3.5	3.5	3.8	3.0	3.1
320.	3.1	3.4	3.1	3.0	3.0	3.0	3.7	3.7	3.2	3.2	3.6	3.6	3.9	3.9	3.3	3.5	3.7	3.7	3.0	3.0
330.	3.1	3.3	3.2	3.0	3.0	3.0	3.7	3.7	3.2	3.2	3.6	3.6	3.9	4.0	3.3	3.5	3.6	3.7	3.0	3.0
340.	3.1	3.3	3.2	3.0	3.0	3.0	3.7	3.7	3.2	3.2	3.6	3.6	3.9	4.0	3.3	3.5	3.5	3.7	3.0	3.0
350.	3.0	3.3	3.2	3.0	3.0	3.0	3.6	3.7	3.2	3.2	3.6	3.6	3.9	4.0	3.2	3.4	3.4	3.7	3.0	3.0
360.	3.0	3.3	3.1	3.0	3.0	3.0	3.7	3.6	3.2	3.3	3.6	3.6	3.9	3.8	3.2	3.5	3.5	3.7	3.0	3.0
MAX	4.8	4.4	4.9	4.8	4.5	4.4	3.9	4.0	4.1	4.2	3.9	4.0	4.4	4.4	5.1	5.2	4.7	4.2	4.9	4.8
DEGR.	150	100	100	100	100	100	30	60	110	100	50	50	60	280	100	240	240	240	240	110

JOB: SUT2025 No-Build PM Peak RUN: SUT2025PMNoBuildPeak

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (cont) (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47
0.	3.0	3.1	3.2	3.0	4.2	5.2	3.7
10.	3.0	3.1	3.2	3.0	4.1	5.3	3.7
20.	3.0	3.1	3.3	3.0	4.3	5.2	4.2
30.	3.0	3.1	3.3	3.0	4.3	4.8	4.5
40.	3.0	3.1	3.3	3.0	4.4	4.6	5.0
50.	3.0	3.1	3.3	3.0	4.4	4.4	5.4
60.	3.0	3.0	3.2	3.0	4.4	4.5	5.9
70.	3.0	3.0	3.2	3.2	3.9	4.1	5.7
80.	3.0	3.0	3.9	3.4	3.4	3.5	4.9
90.	3.0	3.4	4.2	4.1	3.0	3.0	3.9
100.	3.3	3.6	4.4	4.3	3.0	3.0	3.4
110.	3.6	3.8	4.5	4.5	3.0	3.0	3.4
120.	3.7	4.1	4.3	4.5	3.0	3.0	3.4
130.	3.6	4.2	4.3	4.5	3.0	3.0	3.5
140.	3.6	4.1	4.6	4.5	3.0	3.0	3.4
150.	3.7	4.1	4.4	4.5	3.0	3.0	3.5
160.	3.6	4.2	4.5	4.5	3.0	3.1	3.5
170.	3.8	3.8	4.2	4.4	3.0	3.1	3.4
180.	4.0	3.8	4.2	4.3	3.1	3.2	3.3
190.	3.9	3.8	4.3	4.4	3.2	3.4	3.4
200.	3.9	3.9	4.3	4.4	3.2	3.8	3.3
210.	3.8	4.0	4.4	4.4	3.2	4.2	3.2
220.	3.9	4.0	4.6	4.6	3.2	4.3	3.0
230.	3.8	4.1	4.7	4.8	3.2	4.3	3.0
240.	3.4	3.7	4.7	4.7	3.2	4.0	3.1
250.	3.2	3.3	4.2	4.2	3.5	4.1	4.0

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC41	REC42	REC43	REC44	REC45	REC46	REC47
	(PPM)						
260.	3.0	3.0	3.7	3.6	4.2	4.8	4.7
270.	3.0	3.0	3.3	3.3	4.8	5.0	5.0
280.	3.0	3.0	3.1	3.1	4.8	5.0	4.6
290.	3.0	3.0	3.0	3.0	4.6	5.0	4.4
300.	3.0	3.0	3.0	3.0	4.6	4.9	4.1
310.	3.0	3.0	3.0	3.0	4.5	4.7	4.0
320.	3.1	3.0	3.0	3.0	4.4	5.0	3.9
330.	3.1	3.0	3.0	3.0	4.2	4.7	3.8
340.	3.1	3.0	3.0	3.0	4.1	4.8	3.6
350.	3.1	3.0	3.0	3.0	4.1	4.9	3.6
360.	3.0	3.1	3.2	3.0	4.2	5.2	3.7
MAX	4.0	4.2	4.7	4.8	4.8	5.3	5.9
DEGR.	180	130	230	230	270	10	60

THE HIGHEST CONCENTRATION OF 6.20 PPM OCCURRED AT RECEPTOR REC16.

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	350	0	10	290	220	290	250	0	40	40	40	160	350	40	80	240	220	210	270	200
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.2	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	.0	.0	.0	.0	.0
4	.2	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
5	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
6	.0	.1	.1	.0	.0	.2	.2	.2	.1	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.1	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.2	.3	.3	.0	.0	.0	.0	.0	.0
9	.1	.0	.0	.1	.0	.1	.1	.0	.0	.0	.0	.2	.5	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.3	.3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
12	.0	.1	.1	.0	.0	.1	.1	.1	.2	.2	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1 350	REC2 0	REC3 10	REC4 290	REC5 220	REC6 290	REC7 250	REC8 0	REC9 40	REC10 40	REC11 40	REC12 160	REC13 350	REC14 40	REC15 80	REC16 240	REC17 220	REC18 210	REC19 270	REC20 200
13	.0	.1	.1	.0	.0	.1	.1	.1	.3	.3	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0
14	.0	.1	.0	.0	.0	.1	.1	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0
15	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.0	.0	.0	.0	.0
16	.0	.1	.1	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
17	.0	.0	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
18	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.1	.1	.0	.1	.0	.2	.1	.0	.0	.0	.0	.3	.2	.2	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.1	.2
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7	.7	.6	.0	.4
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: SUT2025 No-Build PM Peak RUN: SUT2025PMNoBuildPeak

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1 350	REC2 0	REC3 10	REC4 290	REC5 220	REC6 290	REC7 250	REC8 0	REC9 40	REC10 40	REC11 40	REC12 160	REC13 350	REC14 40	REC15 80	REC16 240	REC17 220	REC18 210	REC19 270	REC20 200
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.1
65	.0	.0	.1	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.0	.0	1.1	.4	.3	.0	.2
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
72	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
75	.0	.0	.1	.0	.0	.0	.0	.1	.1	.1	.1	.0	.0	.1	.0	.9	.4	.3	.0	.2
76	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.1	.0	.0	.0	.0	.0	.1
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

JOB: SUT2025 No-Build PM Peak RUN: SUT2025PMNoBuildPeak

DATE : 3/ 1/ 6
TIME : 12:29:24

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 150	REC22 100	REC23 100	REC24 100	REC25 100	REC26 100	REC27 30	REC28 60	REC29 110	REC30 100	REC31 50	REC32 50	REC33 60	REC34 280	REC35 100	REC36 240	REC37 240	REC38 240	REC39 240	REC40 110
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22	.2	.3	.2	.0	.1	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0
23	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.0	.0	.0	.0	.2	.0
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4	.0	.0	.0	.0	.1	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.3
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	150	100	100	100	100	100	30	60	110	100	50	50	60	280	100	240	240	240	240	110
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.4	.5
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.0	.0	.1	.0
33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.0	.0
40	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43	.3	.0	.0	.2	.0	.0	.0	.1	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.3	.5	.1	.0	.2	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
48	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.4	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.2	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.1	.3	.1	.0	.3	.0	.0	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0
60	.3	.0	.0	.3	.1	.0	.0	.1	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0
61	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.2	.1	.2	.1	.1	.0	.0	.0	.1	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.3
63	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
64	.3	.2	.7	.1	.1	.2	.0	.0	.2	.4	.0	.0	.0	.0	.0	.9	.3	.3	.2	.0

```
       *    CO/LINK  (PPM) (cont)
       *    ANGLE (DEGREES)
       *  REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
LINK # *   150   100   100   100   100   100    30    60   110   100    50    50    60   280   100   240   240   240   240   110
-------*-----------------------------------------------------------------------------------------------------------------------
   65  *    .0    .0    .0    .0    .0    .0    .0    .0    .3    .1    .0    .0    .0    .0    .0    .1    .2    .2    .2    .0
   66  *    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
   67  *    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
   68  *    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
   69  *    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
   70  *    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
   71  *    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
   72  *    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
   73  *    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
   74  *    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
   75  *    .0    .0    .0    .0    .0    .0    .0    .0    .2    .0    .0    .0    .0    .0    .0    .1    .2    .2    .2    .0
   76  *    .3    .1    .6    .1    .1    .1    .0    .0    .3    .4    .0    .0    .0    .0    .0    .7    .2    .2    .1    .0
   77  *    .0    .1    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0    .0
   78  *    .0    .2    .1    .2    .2    .1    .0    .0    .0    .1    .0    .0    .0    .0    .8    .0    .0    .0    .0    .3

   RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
   THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

       *    CO/LINK  (PPM)
       *    ANGLE (DEGREES)
       *  REC41 REC42 REC43 REC44 REC45 REC46 REC47
LINK # *   180   130   230   230   270    10    60
-------*----------------------------------------
    1  *    .0    .0    .0    .0    .0    .0    .0
    2  *    .0    .0    .0    .0    .0    .0    .0
    3  *    .0    .0    .0    .0    .0    .0    .0
    4  *    .0    .0    .0    .0    .0    .0    .0
    5  *    .0    .0    .0    .0    .0    .0    .0
    6  *    .0    .0    .0    .0    .0    .0    .0
    7  *    .0    .0    .0    .0    .0    .0    .0
    8  *    .0    .0    .0    .0    .0    .0    .0
    9  *    .0    .0    .0    .0    .0    .0    .0
   10  *    .0    .0    .0    .0    .0    .0    .0
   11  *    .0    .0    .0    .0    .0    .0    .0
   12  *    .0    .0    .0    .0    .0    .0    .0
   13  *    .0    .0    .0    .0    .0    .0    .0
   14  *    .0    .0    .0    .0    .0    .0    .0
```

```
       *    CO/LINK  (PPM) (cont)
       *    ANGLE (DEGREES)
       *  REC41 REC42 REC43 REC44 REC45 REC46 REC47
LINK # *   180   130   230   230   270    10    60
-------*----------------------------------------
   15  *    .0    .0    .0    .0    .0    .0    .0
   16  *    .0    .0    .0    .0    .0    .0    .0
   17  *    .0    .0    .0    .0    .0    .0    .0
   18  *    .0    .0    .0    .0    .0    .0    .0
   19  *    .0    .0    .0    .0    .0    .0    .0
   20  *    .0    .0    .0    .0    .0    .0    .0
   21  *    .0    .0    .0    .0    .0    .2    .1
   22  *    .0    .0    .1    .1    .1   1.2    .3
   23  *    .1    .0    .4    .4    .0    .0    .0
   24  *    .0    .0    .0    .0    .0    .0    .0
   25  *    .0    .0    .2    .2    .0    .0    .0
   26  *    .0    .1    .0    .0    .0    .0    .0
   27  *    .0    .0    .0    .0    .0    .0    .0
   28  *    .0    .0    .0    .0    .0    .0    .0
   29  *    .1    .1    .0    .0    .0    .0    .0
   30  *    .0    .0    .0    .0    .0    .0    .0
   31  *    .0    .1    .0    .0    .0    .0    .0
   32  *    .0    .0    .4    .4    .0    .0    .0
   33  *    .0    .0    .0    .0    .0    .0    .0
   34  *    .0    .0    .0    .0    .1    .0    .0
   35  *    .0    .0    .0    .0    .0    .0    .0
   36  *    .1    .0    .0    .0    .0    .0    .0
   37  *    .0    .1    .0    .0    .0    .0    .0
   38  *    .0    .2    .0    .0    .0    .0    .0
   39  *    .1    .0    .0    .0    .1    .0    .0
   40  *    .0    .0    .0    .0    .0    .1    .2
   41  *    .0    .0    .0    .0    .0    .0    .0
   42  *    .0    .0    .0    .0    .0    .0    .0
   43  *    .0    .0    .0    .0    .0    .0    .0
   44  *    .0    .0    .0    .0    .0    .0    .0
   45  *    .0    .0    .0    .0    .0    .0    .0
```

JOB: SUT2025 No-Build PM Peak RUN: SUT2025PMNoBuildPeak

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC41 180	REC42 130	REC43 230	REC44 230	REC45 270	REC46 10	REC47 60
46	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0
62	.1	.3	.0	.0	.0	.0	.1
63	.1	.0	.0	.0	.0	.0	.0
64	.1	.0	.2	.2	.4	.0	.6
65	.0	.0	.1	.2	.2	.4	.3
66	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.1	.2	.2	.4	.6
76	.1	.0	.2	.1	.7	.0	.6
77	.1	.0	.0	.0	.0	.0	.0
78	.1	.3	.0	.0	.0	.0	.1

CAL3QHC Output Files for the Following Scenario:
2025 Build AM Peak

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

JOB: SUT2025 Build AM Peak RUN: SUT2025BuildAMPeak

DATE : 2/28/ 6
TIME : 15:12:12

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 3.0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. JeffersonNBApp1	.0	268.0	662.0	332.0	665.	84.	AG	464.	8.0	.0	42.0		
2. JeffersonNBApp2	662.0	332.0	774.0	395.0	129.	61.	AG	464.	8.0	.0	42.0		
3. JeffersonNBApp3	774.0	395.0	910.0	587.0	235.	35.	AG	464.	8.0	.0	42.0		
4. JeffersonNBRTQueue	881.0	542.0	852.5	498.3	52.	213.	AG	130.	100.0	.0	22.0	.26	2.6
5. JeffersonNBLQueue	865.0	554.0	676.0	246.6	361.	212.	AG	101.	100.0	.0	11.0	1.17	18.3
6. MyrtleNBDep	915.0	588.0	1280.0	1190.0	704.	31.	AG	317.	8.0	.0	42.0		
7. ElmEBApp	218.0	1100.0	878.0	580.0	840.	128.	AG	473.	8.0	.0	42.0		
8. ElmEBTRQueue	834.0	618.0	749.2	682.6	107.	307.	AG	173.	100.0	.0	22.0	.41	5.4
9. ElmEBLQueue	844.0	630.0	820.2	648.2	30.	307.	AG	83.	100.0	.0	11.0	.70	1.5
10. ElmEBDep	878.0	580.0	1668.0	.0	980.	126.	AG	337.	8.0	.0	42.0		
11. MyrtleNBMid1	1280.0	1190.0	1732.0	1820.0	775.	36.	AG	494.	8.0	.0	42.0		
12. MyrtleNBMid2	1732.0	1820.0	1808.0	1952.0	152.	30.	AG	494.	8.0	.0	42.0		
13. MyrtleSBApp	1262.0	1202.0	883.0	608.0	705.	213.	AG	717.	8.0	.0	42.0		
14. MyrtleSBRTQueue	908.0	649.0	976.8	761.0	131.	32.	AG	143.	100.0	.0	22.0	.65	6.7
15. MyrtleSBLQueue	922.0	640.0	932.2	656.7	20.	31.	AG	104.	100.0	.0	11.0	.36	1.0
16. Jefferson SBDep	875.0	612.0	758.0	408.0	235.	210.	AG	1050.	8.0	.0	42.0		
17. ElmWBApp	1681.0	19.0	894.0	610.0	984.	307.	AG	1318.	8.0	.0	42.0		
18. ElmWBTRLQueue	942.0	578.0	1089.8	465.9	186.	127.	AG	134.	100.0	.0	23.0	.48	9.4
19. ElmWBLQueue	932.0	567.0	1994.4	-233.2	1330.	127.	AG	59.	100.0	.0	11.0	1.62	67.6
20. ElmWBDep	894.0	610.0	226.0	1116.0	838.	307.	AG	1268.	8.0	.0	42.0		
21. MyrtleNBApp	1808.0	1952.0	2030.0	2529.0	618.	21.	AG	494.	8.0	.0	42.0		
22. MyrtleNBLQueue	1995.0	2485.0	1872.4	2151.1	356.	200.	AG	90.	100.0	.0	11.0	1.05	18.1
23. MyrtleNBRQueue	2011.0	2478.0	1994.9	2434.3	47.	200.	AG	180.	100.0	.0	22.0	.33	2.4

LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
24. Mtl-EMDepLinApp	2023.0	2542.0	2679.0	2626.0	661.	83.	AG	1065.	8.0	.0	42.0		
25. EMLincolnEBLQueue	2611.0	2626.0	2590.8	2623.7	20.	263.	AG	57.	100.0	.0	11.0	.48	1.0
26. EMLincolnEBRTQueue	2613.0	2612.0	2454.0	2594.0	160.	264.	AG	128.	100.0	.0	22.0	.35	8.1
27. EMLinEBDep1	2679.0	2626.0	3132.0	2681.0	456.	83.	AG	1162.	8.0	.0	42.0		
28. EMLinEBDep2	3132.0	2681.0	3622.0	2847.0	517.	71.	AG	1162.	8.0	.0	42.0		
29. EMLinWBApp1	3614.0	2877.0	3127.0	2709.0	515.	251.	AG	1088.	8.0	.0	42.0		
30. EMLinWBApp2	3127.0	2709.0	2659.0	2648.0	472.	263.	AG	1088.	8.0	.0	42.0		
31. EMLinWBLQueue	2710.0	2640.0	3823.6	2788.5	1123.	82.	AG	49.	100.0	.0	11.0	2.02	57.1
32. EMLinWBRTQueue	2708.0	2655.0	2833.2	2671.5	126.	82.	AG	113.	100.0	.0	22.0	.27	6.4
33. EMLinDepMtlApp	2659.0	2648.0	2018.0	2560.0	647.	262.	AG	1167.	8.0	.0	42.0		
34. EMWBMtl-LQueue	2054.0	2549.0	2498.7	2615.9	450.	81.	AG	24.	100.0	.0	11.0	1.14	22.8
35. EMWBMtl-TQueue	2053.0	2567.0	2105.7	2574.6	53.	82.	AG	48.	100.0	.0	22.0	.16	2.7
36. LockwoodNBApp	2621.0	1608.0	2690.0	2628.0	1022.	4.	AG	442.	8.0	.0	42.0		
37. LockwoodNBLRTQueue	2691.0	2578.0	2685.6	2504.5	74.	184.	AG	132.	100.0	.0	22.0	.47	3.7
38. LincolnNBDep	2663.0	2622.0	2619.0	3342.0	721.	357.	AG	113.	8.0	.0	35.0		
39. LincolnSBApp	2605.0	3341.0	2645.0	2621.0	721.	177.	AG	194.	8.0	.0	35.0		
40. LincolnSBRLTQueue	2643.0	2675.0	2639.4	2739.6	65.	357.	AG	66.	100.0	.0	15.0	.38	3.3
41. LockwoodSBDep	2679.0	2626.0	2608.0	1610.0	1018.	184.	AG	345.	8.0	.0	35.0		
42. MyrtleSBDep	2000.0	2546.0	1778.0	1967.0	620.	201.	AG	582.	8.0	.0	42.0		
43. MyrtleSBMid1	1778.0	1967.0	1703.0	1838.0	149.	210.	AG	717.	8.0	.0	42.0		
44. MyrtleSBMid2	1703.0	1838.0	1262.0	1202.0	774.	215.	AG	717.	8.0	.0	42.0		
45. MtlEMWBDepCstlApp	2018.0	2560.0	1826.0	2532.0	194.	262.	AG	1335.	8.0	.0	35.0		
46. CrystalNBDep	1836.0	2533.0	1912.0	3113.0	585.	7.	AG	10.	8.0	.0	35.0		
47. CrystalSBApp	1902.0	3115.0	1814.0	2529.0	593.	189.	AG	85.	8.0	.0	35.0		
48. CrystalSBRLQueue	1818.0	2554.0	1823.8	2597.9	44.	8.	AG	90.	100.0	.0	15.0	.31	2.3
49. EMCstlWBDepStateApp	1826.0	2532.0	1658.0	2488.0	174.	255.	AG	1415.	8.0	.0	35.0		
50. EMStateWBTLQueue	1698.0	2499.0	1863.0	2540.9	170.	76.	AG	24.	100.0	.0	15.0	.58	8.6
51. EMStateWBDep	1658.0	2488.0	1085.0	2350.0	589.	256.	AG	1399.	8.0	.0	35.0		
52. EMStateEBApp	1090.0	2330.0	1662.0	2465.0	588.	77.	AG	1019.	8.0	.0	35.0		
53. EMStateEBTRQueue	1610.0	2452.0	1490.7	2424.0	123.	257.	AG	24.	100.0	.0	11.0	.38	6.2
54. StateSBDep1	1671.0	2468.0	1639.0	2394.0	81.	203.	AG	36.	8.0	.0	35.0		
55. StateSBDep2	1639.0	2394.0	1592.0	2336.0	75.	219.	AG	36.	8.0	.0	35.0		
56. StateSBDep3	1592.0	2336.0	1305.0	2072.0	390.	227.	AG	36.	8.0	.0	35.0		
57. StateNBApp1	1318.0	2059.0	1602.0	2324.0	388.	47.	AG	90.	8.0	.0	35.0		
58. StateNBApp2	1602.0	2324.0	1652.0	2386.0	80.	39.	AG	90.	8.0	.0	35.0		
59. StateNBApp3	1652.0	2386.0	1692.0	2472.0	95.	25.	AG	90.	8.0	.0	35.0		
60. StateNBRLQueue	1674.0	2433.0	1656.7	2396.0	41.	205.	AG	90.	100.0	.0	11.0	.33	2.1

LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
61. EMStateEBDepCstlApp	1662.0	2465.0	1832.0	2508.0	175.	76.	AG	1089.	8.0	.0	35.0		
62. EMCstlEBDepMyrtleApp	1832.0	2508.0	2023.0	2542.0	194.	80.	AG	1089.	8.0	.0	35.0		
63. EMEBMyrtleTRQueue	1918.0	2520.0	1847.2	2510.1	71.	262.	AG	48.	100.0	.0	11.0	.23	3.6
64. I-95 SB-1	3700.0	2570.0	2700.0	2320.0	1031.	256.	FL	7613.	9.0	30.0	52.0		
65. I-95 SBBR-2	2700.0	2320.0	2600.0	2300.0	102.	259.	BR	7613.	9.0	30.0	52.0		
66. I-95 SB-3	2600.0	2300.0	1955.0	2140.0	665.	256.	FL	7613.	9.0	30.0	52.0		
67. I-95 SBBR-4	1955.0	2140.0	1160.0	1940.0	820.	256.	BR	7613.	9.0	30.0	52.0		
68. I-95 SBBR-5	1160.0	1940.0	1000.0	1895.0	166.	254.	BR	7613.	9.0	30.0	52.0		
69. I-95 SB-6	1000.0	1895.0	640.0	1700.0	409.	242.	FL	7613.	9.0	30.0	52.0		
70. I-95 SB-7	640.0	1700.0	475.0	1580.0	204.	234.	FL	7613.	9.0	30.0	52.0		
71. I-95 SB-8	475.0	1580.0	290.0	1435.0	235.	232.	FL	7613.	9.0	30.0	52.0		
72. I-95 NB-1	290.0	1375.0	470.0	1525.0	234.	50.	FL	5882.	9.0	30.0	52.0		
73. I-95 NB-2	470.0	1525.0	575.0	1600.0	129.	54.	FL	5882.	9.0	30.0	52.0		
74. I-95 NB-3	575.0	1600.0	760.0	1715.0	218.	58.	FL	5882.	9.0	30.0	52.0		
75. I-95 NB-4	760.0	1715.0	950.0	1815.0	215.	62.	FL	5882.	9.0	30.0	52.0		
76. I-95 NBBR-5	950.0	1815.0	1160.0	1890.0	223.	70.	BR	5882.	9.0	30.0	52.0		
77. I-95 NBBR-6	1160.0	1890.0	1933.0	2082.0	796.	76.	BR	5882.	9.0	30.0	52.0		
78. I-95 NB-7	1933.0	2082.0	2600.0	2240.0	685.	77.	FL	5882.	9.0	30.0	52.0		
79. I-95 NBBR-8	2600.0	2240.0	2700.0	2270.0	104.	73.	BR	5882.	9.0	30.0	52.0		
80. I-95 NB-9	2700.0	2270.0	3700.0	2500.0	1026.	77.	FL	5882.	9.0	30.0	52.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. JeffersonNBRTQueue	105	60	1.0	318	1535	42.43	2	3
5. JeffersonNBLQueue	105	93	1.0	146	1459	42.43	2	1
8. ElmEBTRQueue	105	80	1.0	425	2479	42.43	2	1
9. ElmEBLQueue	105	77	1.0	50	300	42.43	2	1
14. MyrtleSBRTQueue	105	66	1.0	687	1535	42.43	2	1
15. MyrtleSBLQueue	105	96	1.0	30	1459	42.43	2	1
18. ElmWBTRLQueue	105	62	1.0	1024	2788	42.43	2	1
19. ElmWBLQueue	105	54	1.0	294	396	42.43	2	1
22. MyrtleNBLQueue	105	83	1.0	316	1665	42.43	2	3
23. MyrtleNBRQueue	105	83	1.0	178	1473	42.43	2	1

ADDITIONAL QUEUE LINK PARAMETERS (cont)

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
25. EMLincolnEBLQueue	105	53	1.0	70	313	42.43	2	2
26. EMLincolnEBRTQueue	105	59	1.0	993	3428	42.43	2	2
31. EMLinWBLQueue	105	45	1.0	200	183	42.43	2	3
32. EMLinWBRTQueue	105	52	1.0	888	3514	42.43	2	3
34. EMWBMtl-LQueue	105	22	1.0	280	324	42.43	2	2
35. EMWBMtl-TQueue	105	22	1.0	887	3539	42.43	2	2
37. LockwoodNBLRTQueue	105	61	1.0	442	1204	42.43	2	2
40. LincolnSBRLTQueue	105	61	1.0	194	1319	42.43	2	4
48. CrystalSBRLQueue	105	83	1.0	85	1520	42.43	2	1
50. EMStateWBTLQueue	105	22	1.0	1415	3216	42.43	2	5
53. EMStateEBTRQueue	105	22	1.0	1019	3532	42.43	2	5
60. StateNBRLQueue	105	83	1.0	90	1520	42.43	2	4
63. EMEBMyrtleTRQueue	105	22	1.0	1189	3344	42.43	2	5

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. Rec 1 ElmMyrtle	850.0	440.0	6.0
2. Rec 2 ElmMyrtle	900.0	530.0	6.0
3. Rec 3 ElmMyrtle	980.0	475.0	6.0
4. Rec 4 ElmMyrtle	1060.0	515.0	6.0
5. Rec 5 ElmMyrtle	960.0	593.0	6.0
6. Rec 6 ElmMyrtle BS1	975.0	636.0	4.0
7. Rec 7 ElmMyrtle	1030.0	730.0	6.0
8. Rec 8 ElmMyrtle	1100.0	845.0	6.0
9. Rec 9 ElmMyrtle	1040.0	896.0	6.0
10. Rec 10 ElmMyrtle	952.0	760.0	6.0
11. Rec 11 ElmMyrtle BS2	903.0	702.0	4.0
12. Rec 12 ElmMyrtle	790.0	723.0	6.0
13. Rec 13 ElmMyrtle	705.0	680.0	6.0
14. Rec 14 ElmMyrtle	830.0	580.0	6.0
15. Rec 15 ElmMyrtle	780.0	495.0	6.0
16. Rec 16 MyrtleEMain	1915.0	2160.0	6.0
17. Rec 17 MyrtleEMain	2010.0	2410.0	6.0

RECEPTOR LOCATIONS (cont)

RECEPTOR	COORDINATES (FT) X	Y	Z
18. Rec 18 MyrtleEMain	2045.0	2505.0	6.0
19. Rec 19 MyrtleEMain	2090.0	2525.0	6.0
20. Rec 20 MyrtleEMain	2040.0	2588.0	6.0
21. Rec 21 MyrtleEMain	1860.0	2560.0	6.0
22. Rec 22 MyrtleEMain	1925.0	2425.0	6.0
23. Rec 23 MyrtleEMain B	1825.0	2160.0	4.0
24. Rec 24 EMState	1760.0	2540.0	6.0
25. Rec 25 EMState	1655.0	2515.0	6.0
26. Rec 26 EMState	1510.0	2480.0	6.0
27. Rec 27 EMState	1520.0	2405.0	6.0
28. Rec 28 EMState	1620.0	2430.0	6.0
29. Rec 29 EMState	1492.0	2275.0	6.0
30. Rec 30 EMState	1605.0	2295.0	6.0
31. Rec 31 EMState	1715.0	2450.0	6.0
32. Rec 32 EMState	1765.0	2463.0	6.0
33. Rec 33 EMLinLoc BS4	2433.0	2551.0	4.0
34. Rec 34 EMLinLoc	2610.0	2590.0	6.0
35. Rec 35 EMLinLoc	2640.0	2400.0	6.0
36. Rec 36 EMLinLoc	2705.0	2395.0	6.0
37. Rec 37 EMLinLoc	2712.0	2575.0	6.0
38. Rec 38 EMLinLoc	2790.0	2608.0	6.0
39. Rec 39 EMLinLoc	2770.0	2690.0	6.0
40. Rec 40 EMLinLoc	2715.0	2680.0	6.0
41. Rec 41 EMLinLoc	2670.0	2830.0	6.0
42. Rec 42 EMLinLoc	2615.0	2760.0	6.0
43. Rec 43 EMLinLoc	2620.0	2670.0	6.0
44. Rec 44 EMLinLoc	2520.0	2655.0	6.0
45. Rec 45 Lockwood-S95	2690.0	2145.0	6.0
46. Rec 46 Myrtle-S95E	1820.0	1925.0	6.0
47. Rec 47 Myrtle-S95W	1750.0	1990.0	6.0
48. Rec 48 EMainWB BS5	2380.0	2640.0	4.0

JOB: SUT2025 Build AM Peak RUN: SUT2025BuildAMPeak

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	3.7	3.7	3.9	3.3	3.5	3.4	3.5	3.7	3.4	3.3	3.2	3.3	3.6	3.8	3.3	3.5	3.8	3.4	3.6	3.0
10.	4.0	4.0	3.9	3.2	3.5	3.5	3.4	3.4	3.4	3.4	3.5	3.3	3.5	3.8	3.4	3.5	3.5	3.4	3.6	3.0
20.	3.7	3.9	3.8	3.2	3.4	3.4	3.5	3.5	3.4	3.4	3.2	3.2	3.7	3.8	3.5	3.2	3.4	3.5	3.5	3.0
30.	3.7	4.0	4.0	3.4	3.5	3.5	3.5	3.6	3.6	3.4	3.3	3.3	3.5	3.8	3.8	3.1	3.3	3.5	3.5	3.0
40.	3.4	3.7	3.9	3.3	3.2	3.3	3.4	3.4	3.7	3.8	3.7	3.4	3.7	4.3	4.0	3.2	3.2	3.4	3.7	3.0
50.	3.4	3.7	3.8	3.2	3.2	3.2	3.4	3.4	3.8	3.8	3.9	3.5	3.7	4.2	4.0	3.1	3.2	3.5	3.8	3.0
60.	3.2	3.6	3.6	3.0	3.0	3.1	3.2	3.2	3.6	3.7	3.8	3.3	3.6	4.0	3.7	3.5	3.2	3.5	3.8	3.1
70.	3.2	3.6	3.6	3.0	3.0	3.0	3.0	3.0	3.3	3.4	3.7	3.1	3.5	3.7	3.8	4.9	3.3	3.5	3.8	3.2
80.	3.2	3.6	3.6	3.0	3.0	3.0	3.0	3.0	3.3	3.5	3.6	3.2	3.7	3.7	3.9	6.3	3.3	3.5	3.8	3.5
90.	3.1	3.6	3.6	3.0	3.0	3.0	3.0	3.0	3.3	3.5	3.5	3.2	3.8	3.7	3.9	6.3	3.9	3.7	3.8	4.1
100.	3.2	3.7	3.6	3.1	3.0	3.0	3.0	3.0	3.3	3.6	3.5	3.2	3.7	3.9	3.7	5.5	4.0	3.8	4.0	4.4
110.	3.2	3.6	3.5	3.1	3.1	3.0	3.0	3.0	3.3	3.7	3.5	3.2	3.9	4.0	3.7	5.1	4.2	4.0	3.9	4.4
120.	3.1	3.5	3.4	3.4	3.5	3.1	3.0	3.0	3.3	3.7	3.6	3.5	4.0	4.1	3.6	4.7	4.0	3.9	3.9	4.5
130.	3.0	3.3	3.3	3.8	4.0	3.3	3.0	3.0	3.3	3.8	3.8	3.6	3.4	3.9	3.5	4.3	4.0	3.7	3.7	4.2
140.	3.0	3.0	3.0	4.0	4.2	3.4	3.1	3.0	3.3	3.8	3.9	3.8	3.1	3.6	3.4	4.1	3.9	3.7	3.7	4.3
150.	3.0	3.0	3.0	4.0	4.2	3.5	3.1	3.1	3.4	4.0	4.0	3.8	3.2	3.7	3.6	3.9	3.9	3.7	3.7	4.3
160.	3.0	3.0	3.0	4.1	4.1	3.5	3.1	3.1	3.4	3.9	3.9	3.8	3.2	3.7	3.6	3.8	3.9	3.7	3.7	4.2
170.	3.0	3.0	3.0	4.0	4.0	3.5	3.2	3.1	3.4	4.0	3.7	4.0	3.1	3.7	3.6	3.7	3.9	3.7	3.7	4.2
180.	3.0	3.0	3.0	4.0	4.0	3.5	3.2	3.1	3.5	4.0	3.7	3.9	3.0	3.7	3.6	3.7	3.9	3.8	3.7	4.3
190.	3.0	3.0	3.0	3.9	3.9	3.5	3.2	3.2	3.6	3.9	3.7	3.8	3.0	3.7	3.5	3.8	3.9	3.9	3.7	4.6
200.	3.0	3.0	3.0	3.9	3.9	3.3	3.2	3.2	3.4	3.9	3.5	3.7	3.0	3.6	3.3	3.9	4.1	4.2	3.8	4.6
210.	3.0	3.2	3.0	3.9	3.9	3.4	3.4	3.2	3.4	3.7	3.4	3.6	3.0	3.4	3.3	4.3	4.2	4.3	4.2	4.7
220.	3.1	3.4	3.0	3.9	4.2	3.8	3.4	3.3	3.4	3.5	3.4	3.6	3.0	3.1	3.1	4.7	4.5	4.6	4.1	4.5
230.	3.3	3.7	3.0	3.9	4.0	3.7	3.4	3.3	3.2	3.2	3.3	3.5	3.0	3.1	3.0	5.2	4.4	4.5	4.2	4.5
240.	3.4	3.9	3.1	4.0	3.8	3.5	3.6	3.4	3.1	3.2	3.4	3.5	3.0	3.0	3.0	5.9	4.4	4.2	4.0	3.9

WIND * CONCENTRATION (cont)
ANGLE * (PPM)

(DEGR)*	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
250. *	3.4	3.9	3.1	4.0	3.7	3.5	3.6	3.3	3.1	3.2	3.5	3.4	3.0	3.0	3.0	6.0	3.8	3.6	3.6	4.0
260. *	3.4	3.9	3.2	4.2	3.5	3.7	3.6	3.3	3.1	3.1	3.4	3.4	3.0	3.0	3.0	5.1	3.3	3.6	3.7	3.7
270. *	3.3	3.9	3.2	4.3	3.7	3.8	3.5	3.3	3.1	3.1	3.4	3.5	3.0	3.0	3.0	3.9	3.5	3.8	3.9	3.1
280. *	3.4	3.7	3.3	4.3	3.9	3.8	3.5	3.3	3.1	3.1	3.3	3.5	3.0	3.0	3.0	3.4	3.6	3.7	3.7	3.0
290. *	3.4	3.7	3.3	4.3	4.0	3.9	3.5	3.2	3.0	3.1	3.3	3.6	3.0	3.0	3.0	3.4	3.5	3.6	3.7	3.0
300. *	3.4	3.9	3.4	4.1	3.9	3.7	3.4	3.4	3.2	3.1	3.2	3.6	3.2	3.2	3.0	3.4	3.5	3.6	3.7	3.0
310. *	3.4	3.9	3.6	3.6	3.7	3.5	3.5	3.4	3.2	3.2	3.1	3.3	3.3	3.4	3.0	3.4	3.6	3.6	3.6	3.0
320. *	3.5	3.8	3.6	3.6	3.6	3.6	3.4	3.5	3.4	3.2	3.2	3.3	3.4	3.7	3.1	3.3	3.7	3.5	3.5	3.0
330. *	3.9	3.9	3.7	3.6	3.7	3.7	3.5	3.5	3.3	3.3	3.3	3.2	3.7	4.0	3.4	3.4	3.8	3.5	3.5	3.0
340. *	4.0	3.9	3.9	3.5	3.7	3.7	3.5	3.5	3.4	3.3	3.4	3.4	3.6	4.0	3.4	3.4	3.8	3.6	3.6	3.0
350. *	4.0	3.9	3.9	3.2	3.6	3.7	3.4	3.5	3.3	3.3	3.4	3.3	3.8	4.0	3.6	3.5	4.0	3.4	3.6	3.0
360. *	3.7	3.7	3.9	3.3	3.5	3.4	3.5	3.7	3.4	3.3	3.2	3.3	3.6	3.8	3.3	3.5	3.8	3.4	3.6	3.0
MAX *	4.0	4.0	4.0	4.3	4.2	3.9	3.6	3.7	3.8	4.0	4.0	4.0	4.0	4.3	4.0	6.3	4.5	4.6	4.2	4.7
DEGR. *	10	10	30	270	140	290	240	0	50	150	150	170	120	40	40	80	220	220	210	210

WIND * CONCENTRATION
ANGLE * (PPM)

(DEGR)*	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
0. *	3.0	3.2	3.0	3.0	3.0	3.0	3.4	3.4	3.2	3.2	3.4	3.4	3.4	3.7	3.2	3.2	3.4	3.8	3.0	3.0
10. *	3.0	3.2	3.1	3.0	3.0	3.0	3.4	3.4	3.2	3.2	3.4	3.4	3.4	3.7	3.3	3.2	3.4	3.8	3.0	3.0
20. *	3.0	3.3	3.3	3.0	3.0	3.0	3.5	3.5	3.2	3.1	3.5	3.5	3.5	3.6	3.5	3.2	3.5	3.8	3.0	3.0
30. *	3.0	3.3	3.4	3.0	3.0	3.0	3.7	3.6	3.2	3.2	3.5	3.6	3.6	3.7	3.5	3.2	3.5	3.7	3.0	3.0
40. *	3.0	3.5	3.5	3.0	3.0	3.0	3.7	3.6	3.3	3.2	3.5	3.6	3.6	3.5	3.4	3.2	3.6	3.7	3.0	3.0
50. *	3.0	3.7	3.6	3.1	3.0	3.0	3.7	3.7	3.1	3.0	3.6	3.5	3.7	3.8	3.4	3.1	3.6	3.6	3.0	3.0
60. *	3.0	3.7	3.7	3.1	3.0	3.0	3.7	3.7	3.0	3.0	3.6	3.6	3.8	3.7	3.3	3.1	3.6	3.7	3.0	3.1
70. *	3.2	3.8	4.6	3.4	3.2	3.2	3.5	3.8	3.1	3.2	3.6	3.6	3.7	3.8	3.7	3.6	3.6	3.9	3.1	3.1
80. *	3.5	3.9	5.8	3.8	4.0	3.7	3.5	3.6	3.6	3.6	3.7	3.6	3.6	3.7	4.5	4.6	3.5	3.8	3.6	3.8
90. *	4.1	4.1	6.1	4.0	4.4	4.1	3.7	3.8	4.1	4.0	3.5	3.7	3.7	3.9	5.1	5.3	3.7	3.5	4.2	4.3
100. *	4.5	4.3	5.6	4.5	4.4	4.2	3.7	3.8	4.2	4.2	3.8	3.8	3.8	4.0	5.3	5.4	3.9	3.8	4.3	4.5
110. *	4.2	4.3	5.2	4.5	4.3	4.1	3.8	3.8	4.1	4.1	3.9	3.8	3.9	4.2	5.1	5.3	4.0	4.0	4.6	5.0
120. *	4.3	4.1	4.7	4.3	4.3	4.2	3.7	3.9	4.0	4.0	3.7	3.7	3.8	4.1	5.0	5.3	4.0	4.0	4.7	4.8
130. *	4.4	4.2	4.3	4.4	4.1	4.1	3.7	3.8	3.8	4.0	3.8	3.7	3.8	4.1	4.7	5.1	4.0	3.9	4.7	4.6
140. *	4.5	4.1	4.2	4.2	4.2	4.2	3.6	3.7	3.8	3.8	3.7	3.8	3.8	4.1	4.6	5.0	4.0	3.9	4.6	4.6
150. *	4.4	4.2	4.1	4.2	4.1	4.0	3.7	3.5	3.7	3.8	3.6	3.7	3.7	4.0	4.5	5.0	3.9	3.9	4.6	4.6
160. *	4.4	4.2	4.0	4.1	3.9	4.0	3.7	3.7	3.8	3.8	3.6	3.7	3.8	4.0	4.3	4.9	3.9	3.9	4.6	4.6

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	(PPM)																			
170.	4.3	4.4	4.0	4.1	4.0	4.0	3.7	3.7	3.8	3.8	3.7	3.6	3.8	4.0	4.1	4.8	4.1	3.9	4.6	4.7
180.	4.4	4.3	4.1	4.1	4.0	4.0	3.7	3.7	3.7	3.8	3.7	3.7	3.8	3.7	4.2	4.7	4.1	3.8	4.6	4.6
190.	4.1	4.3	4.1	4.1	4.0	4.0	3.7	3.7	3.8	3.8	3.7	3.7	3.8	3.9	4.3	4.6	4.5	3.8	4.6	4.7
200.	4.3	4.0	4.1	4.4	4.0	4.0	3.7	3.7	3.8	3.8	3.7	3.7	3.8	3.8	4.4	4.6	4.3	3.9	5.0	4.6
210.	4.4	3.9	4.5	4.2	4.0	4.2	3.7	3.6	4.0	3.9	3.7	3.7	3.8	3.9	4.7	4.7	4.6	4.0	4.8	4.6
220.	4.3	3.8	4.6	4.5	4.3	4.3	3.7	3.8	4.0	4.1	3.9	3.9	4.0	3.8	4.9	4.8	4.6	4.0	4.8	4.2
230.	4.4	4.0	4.8	4.3	4.3	4.4	3.9	3.9	4.2	4.2	3.8	3.7	4.0	4.0	5.0	5.3	4.7	4.2	4.7	4.6
240.	4.2	3.8	5.5	3.9	3.8	3.8	3.2	3.3	3.9	4.1	3.4	3.3	3.8	3.9	5.3	5.6	4.6	4.2	4.6	4.4
250.	3.9	3.2	5.3	3.6	3.6	3.6	3.3	3.3	3.1	3.2	3.3	3.3	3.4	3.7	4.8	5.5	4.2	3.9	4.4	4.2
260.	3.6	3.2	4.2	3.4	3.4	3.3	3.5	3.5	3.0	3.0	3.4	3.5	3.2	3.7	3.8	4.3	3.9	3.5	3.7	3.7
270.	3.3	3.2	3.2	3.1	3.1	3.1	3.7	3.7	3.0	3.0	3.7	3.7	3.3	3.9	3.2	3.5	3.8	3.7	3.3	3.4
280.	3.1	3.4	3.0	3.0	3.0	3.0	3.7	3.8	3.2	3.2	3.7	3.7	3.5	4.1	3.0	3.2	3.9	3.8	3.0	3.2
290.	3.1	3.2	3.1	3.0	3.0	3.0	3.6	3.7	3.2	3.2	3.6	3.6	3.5	4.2	3.2	3.4	3.8	3.7	3.0	3.1
300.	3.1	3.2	3.1	3.0	3.0	3.0	3.6	3.7	3.2	3.2	3.5	3.5	3.4	3.9	3.2	3.4	3.7	3.7	3.0	3.1
310.	3.1	3.3	3.1	3.0	3.0	3.0	3.5	3.5	3.2	3.2	3.5	3.5	3.4	3.9	3.2	3.4	3.5	3.7	3.0	3.0
320.	3.1	3.3	3.1	3.0	3.0	3.0	3.4	3.4	3.2	3.2	3.4	3.5	3.4	3.9	3.3	3.5	3.6	3.8	3.0	3.0
330.	3.0	3.2	3.0	3.0	3.0	3.0	3.4	3.4	3.2	3.2	3.4	3.4	3.4	3.8	3.3	3.5	3.5	3.8	3.0	3.0
340.	3.0	3.2	3.0	3.0	3.0	3.0	3.4	3.4	3.2	3.2	3.4	3.4	3.4	3.8	3.3	3.5	3.4	3.8	3.0	3.0
350.	3.0	3.2	3.0	3.0	3.0	3.0	3.4	3.4	3.2	3.2	3.4	3.4	3.4	3.9	3.3	3.3	3.4	3.8	3.0	3.0
360.	3.0	3.2	3.0	3.0	3.0	3.0	3.4	3.4	3.2	3.2	3.4	3.4	3.4	3.7	3.2	3.2	3.4	3.8	3.0	3.0
MAX	4.5	4.4	6.1	4.5	4.4	4.4	3.9	3.9	4.2	4.2	3.9	3.9	4.0	4.2	5.3	5.6	4.7	4.2	5.0	5.0
DEGR.	100	170	90	100	90	230	230	120	230	100	110	220	220	110	100	240	230	230	200	110

JOB: SUT2025 Build AM Peak RUN: SUT2025BuildAMPeak

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (cont) (PPM) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48
0.	3.0	3.1	3.1	3.0	4.4	4.2	3.9	3.0
10.	3.0	3.1	3.2	3.0	4.4	4.3	3.9	3.0
20.	3.0	3.1	3.2	3.0	4.5	4.5	4.1	3.0
30.	3.0	3.1	3.3	3.0	4.5	4.3	4.6	3.0
40.	3.0	3.1	3.3	3.0	4.6	4.5	5.0	3.0
50.	3.0	3.1	3.2	3.0	4.6	4.7	5.4	3.0
60.	3.0	3.0	3.1	3.0	4.6	4.6	5.9	3.0
70.	3.0	3.0	3.2	3.2	4.1	4.3	5.6	3.1
80.	3.0	3.0	3.6	3.5	3.4	3.5	4.7	3.6
90.	3.0	3.2	4.1	4.1	3.0	3.0	3.8	4.0
100.	3.2	3.5	4.4	4.3	3.0	3.0	3.2	4.5
110.	3.7	3.8	4.4	4.5	3.0	3.0	3.2	4.5
120.	3.7	4.1	4.3	4.6	3.0	3.0	3.1	4.3
130.	3.7	4.2	4.3	4.4	3.0	3.0	3.2	4.2
140.	3.8	4.2	4.5	4.4	3.0	3.0	3.2	4.0
150.	3.8	3.9	4.5	4.3	3.0	3.0	3.2	4.1
160.	3.8	4.1	4.5	4.4	3.0	3.0	3.2	4.0
170.	3.7	4.1	4.4	4.3	3.0	3.0	3.3	4.2
180.	3.7	4.0	4.4	4.3	3.1	3.0	3.3	4.2
190.	3.7	3.9	4.3	4.4	3.2	3.0	3.3	4.2
200.	3.8	3.8	4.4	4.4	3.2	3.1	3.3	4.2
210.	3.8	4.0	4.4	4.4	3.2	3.3	3.3	4.3
220.	4.0	4.0	4.6	4.5	3.2	3.3	3.1	4.2
230.	3.7	3.9	4.6	4.4	3.2	3.5	3.0	4.3
240.	3.6	3.6	4.6	4.5	3.2	3.4	3.1	4.2
250.	3.2	3.3	4.1	4.0	3.5	3.5	4.4	3.8

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48
	(PPM)							
260.	3.0	3.0	3.6	3.5	4.4	4.4	5.0	3.4
270.	3.0	3.0	3.3	3.3	4.9	4.5	5.3	3.1
280.	3.0	3.0	3.1	3.1	4.9	4.6	4.9	3.0
290.	3.0	3.0	3.0	3.0	4.8	4.5	4.6	3.0
300.	3.0	3.0	3.0	3.0	4.8	4.4	4.3	3.0
310.	3.0	3.0	3.0	3.0	4.6	4.3	4.1	3.0
320.	3.0	3.0	3.0	3.0	4.4	4.2	3.9	3.0
330.	3.1	3.0	3.0	3.0	4.3	4.2	3.9	3.0
340.	3.2	3.0	3.0	3.0	4.2	4.2	3.7	3.0
350.	3.0	3.0	3.0	3.0	4.2	4.2	3.7	3.0
360.	3.0	3.1	3.1	3.0	4.4	4.2	3.9	3.0
MAX	4.0	4.2	4.6	4.6	4.9	4.7	5.9	4.5
DEGR.	220	130	220	120	270	50	60	100

THE HIGHEST CONCENTRATION OF 6.30 PPM OCCURRED AT RECEPTOR REC16.

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	10	10	30	270	140	290	240	0	50	150	150	170	120	40	40	80	220	220	210	210
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.1	.0	.0	.0	.1	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.1	.1	.0	.0	.0	.1	.1	.1	.3	.2	.2	.0	.0	.2	.1	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	10	10	30	270	140	290	240	0	50	150	150	170	120	40	40	80	220	220	210	210
14	.1	.1	.0	.0	.0	.2	.2	.0	.0	.4	.3	.0	.0	.2	.1	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.1	.2	.3	.0	.0	.0	.0	.0
17	.0	.2	.2	.4	.6	.0	.0	.0	.0	.1	.2	.0	.2	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.2	.5	.4	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.1	.1	.1	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0
20	.1	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.4	.1	.2	.1	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.1
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.1	.1
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.1
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.2
43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1

JOB: SUT2025 Build AM Peak RUN: SUT2025BuildAMPeak

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	10	10	30	270	140	290	240	0	50	150	150	170	120	40	40	80	220	220	210	210
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
66	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1	1.9	.0	.0	.1	.0
67	.1	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.6	.5	.4	.4
68	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.1	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.1	.1	.1	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.1	.1	.0	.4	.3	.3	.3
78	.0	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1	.6	.0	.0	.1	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0

JOB: SUT2025 Build AM Peak RUN: SUT2025BuildAMPeak

DATE : 2/28/ 6
TIME : 15:12:12

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 100	REC22 170	REC23 90	REC24 100	REC25 90	REC26 230	REC27 230	REC28 120	REC29 230	REC30 100	REC31 110	REC32 220	REC33 220	REC34 110	REC35 100	REC36 240	REC37 230	REC38 230	REC39 200	REC40 110
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 100	REC22 170	REC23 90	REC24 100	REC25 90	REC26 230	REC27 230	REC28 120	REC29 230	REC30 100	REC31 110	REC32 220	REC33 220	REC34 110	REC35 100	REC36 240	REC37 230	REC38 230	REC39 200	REC40 110
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4
33	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.1	.1	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.4	.1	.1	.0
38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.1	.0
42	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.5	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC21 100	REC22 170	REC23 90	REC24 100	REC25 90	REC26 230	REC27 230	REC28 120	REC29 230	REC30 100	REC31 110	REC32 220	REC33 220	REC34 110	REC35 100	REC36 240	REC37 230	REC38 230	REC39 200	REC40 110
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.3	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 100	REC22 170	REC23 90	REC24 100	REC25 90	REC26 230	REC27 230	REC28 120	REC29 230	REC30 100	REC31 110	REC32 220	REC33 220	REC34 110	REC35 100	REC36 240	REC37 230	REC38 230	REC39 200	REC40 110
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.2	.0	.0	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.3	.0	.2	.2	.2	.0	.0	.0	.0	.1	.1	.0	.0	.6	1.3	.0	.0	.0	.1	.5
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.2	.0
66	.1	.3	1.3	.1	.1	.0	.0	.4	.0	.5	.4	.0	.5	.0	.0	1.3	.6	.5	.2	.0
67	.0	.2	.3	.0	.0	.0	.1	.1	.2	.1	.0	.4	.1	.0	.0	.1	.1	.1	.0	.0
68	.0	.0	.0	.0	.0	.1	.1	.0	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.2	.2	.0	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.1	.1	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.2	.1	.0	.0	.1	.1	.1	.0	.0
78	.0	.3	.8	.1	.0	.0	.0	.3	.0	.4	.3	.0	.3	.0	.0	.7	.3	.3	.1	.0
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
80	.2	.0	.2	.2	.1	.0	.0	.0	.0	.1	.1	.0	.0	.4	.8	.0	.0	.0	.1	.3

JOB: SUT2025 Build AM Peak RUN: SUT2025BuildAMPeak

DATE : 2/28/ 6
TIME : 15:12:12

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC41 220	REC42 130	REC43 220	REC44 120	REC45 270	REC46 50	REC47 60	REC48 100
1	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.1	.0
22	.0	.0	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.0	.0	.0	.0
24	.1	.0	.2	.2	.0	.0	.0	.2
25	.0	.0	.0	.0	.0	.0	.0	.0
26	.1	.0	.2	.2	.0	.0	.0	.2
27	.0	.1	.0	.0	.0	.0	.0	.1
28	.0	.0	.0	.0	.0	.0	.0	.0

```
       *    CO/LINK  (PPM) (cont)
       *    ANGLE (DEGREES)
       *  REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48
LINK # *   220   130   220   120   270    50    60   100
-------*-----------------------------------------------
   29  *    .0    .0    .0    .0    .0    .0    .0    .0
   30  *    .0    .1    .0    .0    .0    .0    .0    .0
   31  *    .0    .0    .0    .0    .0    .0    .0    .0
   32  *    .0    .1    .0    .0    .0    .0    .0    .0
   33  *    .1    .0    .3    .4    .0    .0    .0    .4
   34  *    .0    .0    .0    .0    .0    .0    .0    .0
   35  *    .0    .0    .0    .0    .0    .0    .0    .0
   36  *    .0    .0    .0    .0    .1    .0    .0    .0
   37  *    .0    .0    .0    .1    .0    .0    .0    .0
   38  *    .0    .0    .0    .0    .0    .0    .0    .0
   39  *    .0    .1    .0    .0    .0    .0    .0    .0
   40  *    .0    .1    .0    .0    .0    .0    .0    .0
   41  *    .0    .0    .0    .0    .1    .0    .0    .0
   42  *    .0    .0    .0    .0    .0    .0    .2    .0
   43  *    .0    .0    .0    .0    .0    .0    .0    .0
   44  *    .0    .0    .0    .0    .0    .0    .0    .0
   45  *    .0    .0    .0    .0    .0    .0    .0    .0

       *    CO/LINK  (PPM)
       *    ANGLE (DEGREES)
       *  REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48
LINK # *   220   130   220   120   270    50    60   100
-------*-----------------------------------------------
   46  *    .0    .0    .0    .0    .0    .0    .0    .0
   47  *    .0    .0    .0    .0    .0    .0    .0    .0
   48  *    .0    .0    .0    .0    .0    .0    .0    .0
   49  *    .0    .0    .0    .0    .0    .0    .0    .0
   50  *    .0    .0    .0    .0    .0    .0    .0    .0
   51  *    .0    .0    .0    .0    .0    .0    .0    .0
   52  *    .0    .0    .0    .0    .0    .0    .0    .0
   53  *    .0    .0    .0    .0    .0    .0    .0    .0
   54  *    .0    .0    .0    .0    .0    .0    .0    .0
   55  *    .0    .0    .0    .0    .0    .0    .0    .0
   56  *    .0    .0    .0    .0    .0    .0    .0    .0
   57  *    .0    .0    .0    .0    .0    .0    .0    .0
   58  *    .0    .0    .0    .0    .0    .0    .0    .0
   59  *    .0    .0    .0    .0    .0    .0    .0    .0
```

```
        *    CO/LINK  (PPM) (cont)
        *    ANGLE (DEGREES)
        *  REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48
LINK # *   220   130   220   120   270    50    60   100
-------*-----------------------------------------------
   60  *    .0    .0    .0    .0    .0    .0    .0    .0
   61  *    .0    .0    .0    .0    .0    .0    .0    .0
   62  *    .0    .0    .0    .0    .0    .0    .0    .0
   63  *    .0    .0    .0    .0    .0    .0    .0    .0
   64  *    .0    .4    .0    .4    .0    .1    .1    .4
   65  *    .0    .0    .0    .0    .0    .0    .0    .0
   66  *    .3    .0    .4    .0    .5    .7    .8    .0
   67  *    .1    .0    .1    .0    .3    .1    .4    .0
   68  *    .0    .0    .0    .0    .0    .0    .0    .0
   69  *    .0    .0    .0    .0    .0    .0    .0    .0
   70  *    .0    .0    .0    .0    .0    .0    .0    .0
   71  *    .0    .0    .0    .0    .0    .0    .0    .0
   72  *    .0    .0    .0    .0    .0    .0    .0    .0
   73  *    .0    .0    .0    .0    .0    .0    .0    .0
   74  *    .0    .0    .0    .0    .0    .0    .0    .0
   75  *    .0    .0    .0    .0    .0    .0    .0    .0
   76  *    .0    .0    .0    .0    .0    .0    .0    .0
   77  *    .1    .0    .1    .0    .2    .1    .6    .0
   78  *    .2    .0    .3    .0    .7    .7    .6    .0
   79  *    .0    .0    .0    .0    .0    .0    .0    .0
   80  *    .0    .3    .0    .3    .0    .0    .1    .2
```

CAL3QHC Output Files for the Following Scenario:
2025 Build PM Peak

CAL3QHC: LINE SOURCE DISPERSION MODEL - VERSION 2.0 Dated 95221

JOB: SUT2025 Build PM Peak RUN: SUT2025BuildPMPeak

DATE : 2/28/ 6
TIME : 15:50: 5

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = .0 CM/S VD = .0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 3.0 PPM

LINK VARIABLES

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
1. JeffersonNBApp1	.0	268.0	662.0	332.0	665.	84.	AG	846.	8.0	.0	42.0		
2. JeffersonNBApp2	662.0	332.0	774.0	395.0	129.	61.	AG	846.	8.0	.0	42.0		
3. JeffersonNBApp3	774.0	395.0	910.0	587.0	235.	35.	AG	846.	8.0	.0	42.0		
4. JeffersonNBRTQueue	881.0	542.0	776.0	380.8	192.	213.	AG	160.	100.0	.0	22.0	.85	9.8
5. JeffersonNBLQueue	865.0	554.0	796.6	442.7	131.	212.	AG	99.	100.0	.0	11.0	.94	6.6
6. MyrtleNBDep	915.0	588.0	1280.0	1190.0	704.	31.	AG	616.	8.0	.0	42.0		
7. ElmEBApp	218.0	1100.0	878.0	580.0	840.	128.	AG	1177.	8.0	.0	42.0		
8. ElmEBTRQueue	834.0	618.0	680.5	734.9	193.	307.	AG	127.	100.0	.0	22.0	.46	9.8
9. ElmEBLQueue	844.0	630.0	808.6	657.0	44.	307.	AG	63.	100.0	.0	11.0	.51	2.3
10. ElmEBDep	878.0	580.0	1668.0	.0	980.	126.	AG	1344.	8.0	.0	42.0		
11. MyrtleNBMid1	1280.0	1190.0	1732.0	1820.0	775.	36.	AG	616.	8.0	.0	42.0		
12. MyrtleNBMid2	1732.0	1820.0	1808.0	1952.0	152.	30.	AG	616.	8.0	.0	42.0		
13. MyrtleSBApp	1262.0	1202.0	883.0	608.0	705.	213.	AG	680.	8.0	.0	42.0		
14. MyrtleSBRTQueue	908.0	649.0	986.7	777.0	150.	32.	AG	166.	100.0	.0	22.0	.75	7.6
15. MyrtleSBLQueue	922.0	640.0	1030.0	816.3	207.	31.	AG	102.	100.0	.0	11.0	1.06	10.5
16. Jefferson SBDep	875.0	612.0	758.0	408.0	235.	210.	AG	663.	8.0	.0	42.0		
17. ElmWBApp	1681.0	19.0	894.0	610.0	984.	307.	AG	873.	8.0	.0	42.0		
18. ElmWBTRLQueue	942.0	578.0	1018.4	520.0	96.	127.	AG	101.	100.0	.0	23.0	.24	4.9
19. ElmWBLQueue	932.0	567.0	1972.9	-216.9	1303.	127.	AG	48.	100.0	.0	11.0	2.75	66.2
20. ElmWBDep	894.0	610.0	226.0	1116.0	838.	307.	AG	953.	8.0	.0	42.0		
21. MyrtleNBApp	1808.0	1952.0	2030.0	2529.0	618.	21.	AG	602.	8.0	.0	42.0		
22. MyrtleNBLQueue	1995.0	2485.0	1751.0	1820.4	708.	200.	AG	89.	100.0	.0	11.0	1.14	36.0
23. MyrtleNBRQueue	2011.0	2478.0	1985.0	2407.6	75.	200.	AG	178.	100.0	.0	22.0	.46	3.8

LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
24. Mtl-EMDepLinApp	2023.0	2542.0	2679.0	2626.0	661.	83.	AG	1705.	8.0	.0	42.0		
25. EMLincolnEBLQueue	2611.0	2626.0	2584.4	2622.9	27.	263.	AG	50.	100.0	.0	11.0	.39	1.4
26. EMLincolnEBRTQueue	2613.0	2612.0	2364.5	2583.8	250.	264.	AG	113.	100.0	.0	22.0	.49	12.7
27. EMLinEBDep1	2679.0	2626.0	3132.0	2681.0	456.	83.	AG	1413.	8.0	.0	42.0		
28. EMLinEBDep2	3132.0	2681.0	3622.0	2847.0	517.	71.	AG	1413.	8.0	.0	42.0		
29. EMLinWBApp1	3614.0	2877.0	3127.0	2709.0	515.	251.	AG	1258.	8.0	.0	42.0		
30. EMLinWBApp2	3127.0	2709.0	2659.0	2648.0	472.	263.	AG	1258.	8.0	.0	42.0		
31. EMLinWBLQueue	2710.0	2640.0	5524.8	3015.3	2840.	82.	AG	36.	100.0	.0	11.0	4.11	144.3
32. EMLinWBRTQueue	2708.0	2655.0	2818.8	2669.6	112.	82.	AG	89.	100.0	.0	22.0	.22	5.7
33. EMLinDepMtlApp	2659.0	2648.0	2018.0	2560.0	647.	262.	AG	1211.	8.0	.0	42.0		
34. EMWBMtl-LQueue	2054.0	2549.0	4448.6	2909.4	2422.	81.	AG	25.	100.0	.0	11.0	3.74	123.0
35. EMWBMtl-TQueue	2053.0	2567.0	2113.9	2575.8	62.	82.	AG	49.	100.0	.0	22.0	.17	3.1
36. LockwoodNBApp	2621.0	1608.0	2690.0	2628.0	1022.	4.	AG	293.	8.0	.0	42.0		
37. LockwoodNBLRTQueue	2691.0	2578.0	2685.6	2505.0	73.	184.	AG	156.	100.0	.0	22.0	.52	3.7
38. LincolnNBDep	2663.0	2622.0	2619.0	3342.0	721.	357.	AG	158.	8.0	.0	35.0		
39. LincolnSBApp	2605.0	3341.0	2645.0	2621.0	721.	177.	AG	187.	8.0	.0	35.0		
40. LincolnSBRLTQueue	2643.0	2675.0	2638.5	2755.7	81.	357.	AG	78.	100.0	.0	15.0	.45	4.1
41. LockwoodSBDep	2679.0	2626.0	2608.0	1610.0	1018.	184.	AG	626.	8.0	.0	35.0		
42. MyrtleSBDep	2000.0	2546.0	1778.0	1967.0	620.	201.	AG	675.	8.0	.0	42.0		
43. MyrtleSBMid1	1778.0	1967.0	1703.0	1838.0	149.	210.	AG	680.	8.0	.0	42.0		
44. MyrtleSBMid2	1703.0	1838.0	1262.0	1202.0	774.	215.	AG	680.	8.0	.0	42.0		
45. MtlEMWBDepCstlApp	2018.0	2560.0	1826.0	2532.0	194.	262.	AG	1384.	8.0	.0	35.0		
46. CrystalNBDep	1836.0	2533.0	1912.0	3113.0	585.	7.	AG	20.	8.0	.0	35.0		
47. CrystalSBApp	1902.0	3115.0	1814.0	2529.0	593.	189.	AG	155.	8.0	.0	35.0		
48. CrystalSBRLQueue	1818.0	2554.0	1830.2	2646.5	93.	8.	AG	89.	100.0	.0	15.0	.56	4.7
49. EMCstlWBDepStateApp	1826.0	2532.0	1658.0	2488.0	174.	255.	AG	1524.	8.0	.0	35.0		
50. EMStateWBTLQueue	1698.0	2499.0	1899.9	2550.3	208.	76.	AG	25.	100.0	.0	15.0	.73	10.6
51. EMStateWBDep	1658.0	2488.0	1085.0	2350.0	589.	256.	AG	1507.	8.0	.0	35.0		
52. EMStateEBApp	1090.0	2330.0	1662.0	2465.0	588.	77.	AG	1687.	8.0	.0	35.0		
53. EMStateEBTRQueue	1610.0	2452.0	1385.5	2399.3	231.	257.	AG	25.	100.0	.0	11.0	.63	11.7
54. StateSBDep1	1671.0	2468.0	1639.0	2394.0	81.	203.	AG	86.	8.0	.0	35.0		
55. StateSBDep2	1639.0	2394.0	1592.0	2336.0	75.	219.	AG	86.	8.0	.0	35.0		
56. StateSBDep3	1592.0	2336.0	1305.0	2072.0	390.	227.	AG	86.	8.0	.0	35.0		
57. StateNBApp1	1318.0	2059.0	1602.0	2324.0	388.	47.	AG	201.	8.0	.0	35.0		
58. StateNBApp2	1602.0	2324.0	1652.0	2386.0	80.	39.	AG	201.	8.0	.0	35.0		
59. StateNBApp3	1652.0	2386.0	1692.0	2472.0	95.	25.	AG	201.	8.0	.0	35.0		
60. StateNBRLQueue	1674.0	2433.0	1630.3	2339.7	103.	205.	AG	89.	100.0	.0	11.0	.73	5.2

LINK VARIABLES (cont)

LINK DESCRIPTION	LINK COORDINATES (FT) X1	Y1	X2	Y2	LENGTH (FT)	BRG (DEG)	TYPE	VPH	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE (VEH)
61. EMStateEBDepCstlApp	1662.0	2465.0	1832.0	2508.0	175.	76.	AG	1819.	8.0	.0	35.0		
62. EMCstlEBDepMyrtleApp	1832.0	2508.0	2023.0	2542.0	194.	80.	AG	1819.	8.0	.0	35.0		
63. EMEBMyrtleTRQueue	1918.0	2520.0	1794.9	2502.8	124.	262.	AG	49.	100.0	.0	11.0	.36	6.3
64. I-95 SB-1	3700.0	2570.0	2700.0	2320.0	1031.	256.	FL	5643.	9.0	30.0	52.0		
65. I-95 SBBR-2	2700.0	2320.0	2600.0	2300.0	102.	259.	BR	5643.	9.0	30.0	52.0		
66. I-95 SB-3	2600.0	2300.0	1955.0	2140.0	665.	256.	FL	5643.	9.0	30.0	52.0		
67. I-95 SBBR-4	1955.0	2140.0	1160.0	1940.0	820.	256.	BR	5643.	9.0	30.0	52.0		
68. I-95 SBBR-5	1160.0	1940.0	1000.0	1895.0	166.	254.	BR	5643.	9.0	30.0	52.0		
69. I-95 SB-6	1000.0	1895.0	640.0	1700.0	409.	242.	FL	5643.	9.0	30.0	52.0		
70. I-95 SB-7	640.0	1700.0	475.0	1580.0	204.	234.	FL	5643.	9.0	30.0	52.0		
71. I-95 SB-8	475.0	1580.0	290.0	1435.0	235.	232.	FL	5643.	9.0	30.0	52.0		
72. I-95 NB-1	290.0	1375.0	470.0	1525.0	234.	50.	FL	5882.	9.0	30.0	52.0		
73. I-95 NB-2	470.0	1525.0	575.0	1600.0	129.	54.	FL	5882.	9.0	30.0	52.0		
74. I-95 NB-3	575.0	1600.0	760.0	1715.0	218.	58.	FL	5882.	9.0	30.0	52.0		
75. I-95 NB-4	760.0	1715.0	950.0	1815.0	215.	62.	FL	5882.	9.0	30.0	52.0		
76. I-95 NBBR-5	950.0	1815.0	1160.0	1890.0	223.	70.	BR	5882.	9.0	30.0	52.0		
77. I-95 NBBR-6	1160.0	1890.0	1933.0	2082.0	796.	76.	BR	5882.	9.0	30.0	52.0		
78. I-95 NB-7	1933.0	2082.0	2600.0	2240.0	685.	77.	FL	5882.	9.0	30.0	52.0		
79. I-95 NBBR-8	2600.0	2240.0	2700.0	2270.0	104.	73.	BR	5882.	9.0	30.0	52.0		
80. I-95 NB-9	2700.0	2270.0	3700.0	2500.0	1026.	77.	FL	5882.	9.0	30.0	52.0		

ADDITIONAL QUEUE LINK PARAMETERS

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
4. JeffersonNBRTQueue	115	81	1.0	703	1535	42.43	2	1
5. JeffersonNBLQueue	115	100	1.0	143	1459	42.43	2	1
8. ElmEBTRQueue	115	64	1.0	1061	2740	42.43	2	1
9. ElmEBLQueue	115	64	1.0	116	548	42.43	2	1
14. MyrtleSBRTQueue	115	84	1.0	558	1535	42.43	2	1
15. MyrtleSBLQueue	115	103	1.0	121	1459	42.43	2	1
18. ElmWBTRLQueue	115	51	1.0	689	2726	42.43	2	2
19. ElmWBLQueue	115	49	1.0	184	124	42.43	2	2
22. MyrtleNBLQueue	115	90	1.0	344	1579	42.43	2	1
23. MyrtleNBRQueue	115	90	1.0	258	1464	42.43	2	1

ADDITIONAL QUEUE LINK PARAMETERS (cont)

LINK DESCRIPTION	CYCLE LENGTH (SEC)	RED TIME (SEC)	CLEARANCE LOST TIME (SEC)	APPROACH VOL (VPH)	SATURATION FLOW RATE (VPH)	IDLE EM FAC (gm/hr)	SIGNAL TYPE	ARRIVAL RATE
25. EMLincolnEBLQueue	115	51	1.0	96	468	42.43	2	1
26. EMLincolnEBRTQueue	115	57	1.0	1593	3391	42.43	2	1
31. EMLinWBLQueue	115	36	1.0	349	129	42.43	2	2
32. EMLinWBRTQueue	115	45	1.0	909	3506	42.43	2	2
34. EMWBMtl-LQueue	115	25	1.0	303	108	42.43	2	1
35. EMWBMtl-TQueue	115	25	1.0	900	3539	42.43	2	1
37. LockwoodNBLRTQueue	115	79	1.0	293	976	42.43	2	1
40. LincolnSBRLTQueue	115	79	1.0	187	1454	42.43	2	3
48. CrystalSBRLQueue	115	90	1.0	155	1439	42.43	2	1
50. EMStateWBTLQueue	115	25	1.0	1524	2746	42.43	2	4
53. EMStateEBTRQueue	115	25	1.0	1687	3513	42.43	2	1
60. StateNBRLQueue	115	90	1.0	201	1439	42.43	2	2
63. EMEBMyrtleTRQueue	115	25	1.0	1819	3377	42.43	1	1

RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (FT) X	Y	Z
1. Rec 1 ElmMyrtle	850.0	440.0	6.0
2. Rec 2 ElmMyrtle	900.0	530.0	6.0
3. Rec 3 ElmMyrtle	980.0	475.0	6.0
4. Rec 4 ElmMyrtle	1060.0	515.0	6.0
5. Rec 5 ElmMyrtle	960.0	593.0	6.0
6. Rec 6 ElmMyrtle BS1	975.0	636.0	4.0
7. Rec 7 ElmMyrtle	1030.0	730.0	6.0
8. Rec 8 ElmMyrtle	1100.0	845.0	6.0
9. Rec 9 ElmMyrtle	1040.0	896.0	6.0
10. Rec 10 ElmMyrtle	952.0	760.0	6.0
11. Rec 11 ElmMyrtle BS2	903.0	702.0	4.0
12. Rec 12 ElmMyrtle	790.0	723.0	6.0
13. Rec 13 ElmMyrtle	705.0	680.0	6.0
14. Rec 14 ElmMyrtle	830.0	580.0	6.0
15. Rec 15 ElmMyrtle	780.0	495.0	6.0
16. Rec 16 MyrtleEMain	1915.0	2160.0	6.0
17. Rec 17 MyrtleEMain	2010.0	2410.0	6.0

RECEPTOR LOCATIONS (cont)

RECEPTOR	COORDINATES (FT) X	Y	Z
18. Rec 18 MyrtleEMain	2045.0	2505.0	6.0
19. Rec 19 MyrtleEMain	2090.0	2525.0	6.0
20. Rec 20 MyrtleEMain	2040.0	2588.0	6.0
21. Rec 21 MyrtleEMain	1860.0	2560.0	6.0
22. Rec 22 MyrtleEMain	1925.0	2425.0	6.0
23. Rec 23 MyrtleEMain B	1825.0	2160.0	4.0
24. Rec 24 EMState	1760.0	2540.0	6.0
25. Rec 25 EMState	1655.0	2515.0	6.0
26. Rec 26 EMState	1510.0	2480.0	6.0
27. Rec 27 EMState	1520.0	2405.0	6.0
28. Rec 28 EMState	1620.0	2430.0	6.0
29. Rec 29 EMState	1492.0	2275.0	6.0
30. Rec 30 EMState	1605.0	2295.0	6.0
31. Rec 31 EMState	1715.0	2450.0	6.0
32. Rec 32 EMState	1765.0	2463.0	6.0
33. Rec 33 EMLinLoc BS4	2433.0	2551.0	4.0
34. Rec 34 EMLinLoc	2610.0	2590.0	6.0
35. Rec 35 EMLinLoc	2640.0	2400.0	6.0
36. Rec 36 EMLinLoc	2705.0	2395.0	6.0
37. Rec 37 EMLinLoc	2712.0	2575.0	6.0
38. Rec 38 EMLinLoc	2790.0	2608.0	6.0
39. Rec 39 EMLinLoc	2770.0	2690.0	6.0
40. Rec 40 EMLinLoc	2715.0	2680.0	6.0
41. Rec 41 EMLinLoc	2670.0	2830.0	6.0
42. Rec 42 EMLinLoc	2615.0	2760.0	6.0
43. Rec 43 EMLinLoc	2620.0	2670.0	6.0
44. Rec 44 EMLinLoc	2520.0	2655.0	6.0
45. Rec 45 Lockwood-S95	2690.0	2145.0	6.0
46. Rec 46 Myrtle-S95E	1820.0	1925.0	6.0
47. Rec 47 Myrtle-S95W	1750.0	1990.0	6.0
48. Rec 48 EMainWB BS5	2380.0	2640.0	4.0

JOB: SUT2025 Build PM Peak RUN: SUT2025BuildPMPeak

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (PPM) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	4.1	4.1	4.3	3.3	3.7	3.8	3.6	3.6	3.2	3.3	3.2	3.3	4.0	3.9	3.4	3.6	4.0	3.5	3.7	3.0
10.	4.4	4.3	4.1	3.3	3.7	3.7	3.5	3.5	3.3	3.3	3.3	3.3	4.0	3.7	3.4	3.6	3.7	3.5	3.7	3.0
20.	4.1	4.2	3.9	3.2	3.7	3.7	3.6	3.5	3.3	3.3	3.2	3.2	4.1	3.9	3.6	3.5	3.4	3.7	3.7	3.0
30.	3.9	4.2	4.0	3.4	3.4	3.5	3.5	3.6	3.4	3.5	3.4	3.2	4.0	4.1	3.8	3.2	3.4	3.7	3.7	3.0
40.	3.6	3.9	3.8	3.2	3.3	3.3	3.3	3.3	3.8	3.9	4.0	3.4	4.1	4.4	4.0	3.2	3.3	3.7	3.9	3.0
50.	3.5	3.7	3.7	3.2	3.2	3.2	3.3	3.4	3.8	4.1	4.0	3.5	4.2	4.3	4.2	3.2	3.3	3.6	4.0	3.0
60.	3.3	3.6	3.5	3.0	3.0	3.0	3.1	3.2	3.6	3.8	3.9	3.3	4.0	4.1	3.7	3.4	3.3	3.8	4.0	3.1
70.	3.2	3.6	3.6	3.0	3.0	3.0	3.0	3.0	3.3	3.9	3.9	3.3	4.0	3.9	3.8	4.5	3.2	3.8	4.1	3.3
80.	3.2	3.7	3.7	3.0	3.0	3.0	3.0	3.0	3.3	4.0	3.9	3.3	4.1	3.8	4.0	5.6	3.4	3.7	4.2	3.7
90.	3.2	3.8	3.7	3.0	3.0	3.0	3.0	3.0	3.3	4.0	3.8	3.3	4.0	3.9	3.9	5.7	3.7	3.7	3.8	4.5
100.	3.3	3.9	3.8	3.0	3.0	3.0	3.0	3.0	3.3	4.0	3.8	3.3	3.9	4.1	3.9	5.1	3.9	3.7	3.7	4.5
110.	3.2	3.8	3.9	3.1	3.1	3.0	3.0	3.0	3.3	4.0	3.8	3.3	4.0	4.2	3.8	4.9	4.0	3.8	3.8	4.5
120.	3.1	3.7	3.9	3.4	3.4	3.0	3.0	3.0	3.3	4.0	3.8	3.5	4.0	4.1	3.7	4.5	3.8	3.7	3.9	4.6
130.	3.0	3.5	3.6	3.6	3.7	3.2	3.0	3.0	3.3	4.0	4.0	3.6	3.7	4.0	3.6	4.2	3.8	3.6	3.6	4.3
140.	3.0	3.1	3.2	3.8	4.0	3.5	3.2	3.0	3.3	4.2	4.1	3.7	3.4	3.7	3.6	4.1	3.8	3.6	3.6	4.3
150.	3.0	3.0	3.1	3.7	4.0	3.6	3.2	3.1	3.4	4.2	4.3	3.9	3.2	3.6	3.7	3.9	3.8	3.6	3.6	4.3
160.	3.0	3.0	3.0	3.7	4.0	3.5	3.2	3.1	3.4	4.2	4.1	4.0	3.1	3.6	3.7	3.8	3.8	3.6	3.6	4.2
170.	3.0	3.0	3.0	3.6	3.9	3.5	3.2	3.1	3.4	4.3	3.9	4.0	3.0	3.8	3.6	3.7	3.8	3.6	3.6	4.2
180.	3.0	3.0	3.0	3.5	3.8	3.5	3.2	3.1	3.5	4.3	3.9	3.8	3.0	3.7	3.5	3.6	3.8	3.6	3.6	4.3
190.	3.0	3.0	3.0	3.5	3.8	3.3	3.3	3.1	3.7	4.3	3.8	3.6	3.0	3.6	3.5	3.8	3.8	3.8	3.7	4.6
200.	3.0	3.2	3.0	3.5	3.8	3.4	3.4	3.2	3.6	4.1	3.7	3.6	3.0	3.5	3.3	3.9	4.1	4.2	4.0	5.0
210.	3.1	3.3	3.0	3.5	3.9	3.6	3.5	3.5	3.5	4.0	3.5	3.6	3.0	3.3	3.2	4.4	4.2	4.5	4.2	4.7
220.	3.1	3.7	3.0	3.5	3.9	3.8	3.6	3.5	3.2	3.4	3.4	3.6	3.0	3.1	3.1	4.7	4.3	4.5	4.0	4.6
230.	3.5	4.1	3.0	3.5	4.1	3.7	3.6	3.6	3.2	3.3	3.3	3.6	3.0	3.1	3.1	5.1	4.2	4.4	4.1	4.6
240.	3.7	4.2	3.1	3.6	4.1	3.8	3.8	3.6	3.1	3.3	3.3	3.6	3.0	3.1	3.1	5.7	4.3	4.1	3.9	4.1
250.	3.9	4.2	3.3	3.6	3.8	3.7	4.0	3.6	3.1	3.3	3.3	3.6	3.0	3.0	3.1	5.8	3.8	3.7	3.7	4.2

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	(PPM)																			
260.	3.8	4.0	3.3	3.9	3.7	3.6	4.1	3.5	3.2	3.3	3.3	3.7	3.0	3.0	3.0	4.9	3.7	3.8	4.1	3.9
270.	3.8	3.8	3.5	3.9	3.9	3.8	4.0	3.5	3.2	3.2	3.3	3.7	3.0	3.0	3.0	3.8	3.8	4.0	4.4	3.1
280.	3.8	3.8	3.5	4.1	3.7	4.0	3.8	3.2	3.0	3.2	3.4	3.6	3.0	3.0	3.0	3.4	4.1	4.1	4.0	3.0
290.	3.8	3.8	3.5	4.1	3.9	4.1	3.7	3.2	3.0	3.2	3.3	3.6	3.1	3.1	3.0	3.6	4.1	3.9	3.9	3.0
300.	3.8	4.0	3.8	3.9	3.8	3.8	3.6	3.4	3.1	3.0	3.2	3.5	3.2	3.4	3.0	3.5	4.2	3.7	3.9	3.0
310.	3.9	4.2	3.9	3.6	3.8	3.8	3.7	3.5	3.2	3.1	3.1	3.3	3.4	3.6	3.0	3.5	4.0	3.8	3.8	3.0
320.	4.0	4.3	4.0	3.4	3.7	3.8	3.6	3.5	3.4	3.2	3.2	3.2	3.7	3.9	3.2	3.4	4.2	3.6	3.7	3.0
330.	4.2	4.2	4.0	3.5	3.7	3.9	3.7	3.6	3.3	3.3	3.2	3.2	4.0	4.1	3.3	3.6	4.2	3.7	3.7	3.0
340.	4.3	3.8	3.9	3.5	3.7	4.1	3.6	3.6	3.3	3.3	3.2	3.4	4.0	4.1	3.5	3.6	4.2	3.6	3.7	3.0
350.	4.3	4.2	4.3	3.3	3.8	4.0	3.6	3.6	3.2	3.3	3.3	3.3	4.2	4.2	3.5	3.5	4.1	3.6	3.7	3.0
360.	4.1	4.1	4.3	3.3	3.7	3.8	3.6	3.6	3.2	3.3	3.2	3.3	4.0	3.9	3.4	3.6	4.0	3.5	3.7	3.0
MAX	4.4	4.3	4.3	4.1	4.1	4.1	4.1	3.6	3.8	4.3	4.3	4.0	4.2	4.4	4.2	5.8	4.3	4.5	4.4	5.0
DEGR.	10	10	0	280	230	290	260	0	40	170	150	160	50	40	50	250	220	210	270	200

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	(PPM)																			
0.	3.0	3.3	3.0	3.0	3.0	3.0	3.7	3.6	3.2	3.2	3.6	3.6	3.7	3.8	3.2	3.5	3.5	3.7	3.0	3.0
10.	3.0	3.3	3.2	3.0	3.0	3.0	3.7	3.6	3.2	3.3	3.6	3.6	3.7	3.8	3.5	3.3	3.5	3.7	3.0	3.0
20.	3.0	3.4	3.4	3.0	3.0	3.0	3.8	3.7	3.2	3.4	3.6	3.7	3.7	3.8	3.6	3.2	3.5	3.7	3.0	3.0
30.	3.0	3.5	3.5	3.1	3.0	3.0	3.9	3.8	3.2	3.3	3.8	3.9	3.8	3.7	3.6	3.2	3.5	3.7	3.0	3.0
40.	3.0	3.6	3.8	3.1	3.0	3.0	3.9	3.9	3.4	3.3	3.7	4.0	3.9	3.7	3.5	3.2	3.6	3.7	3.0	3.0
50.	3.0	3.9	3.7	3.1	3.0	3.0	4.0	3.9	3.2	3.3	3.9	4.0	3.9	3.8	3.5	3.2	3.7	3.7	3.0	3.0
60.	3.0	3.9	3.6	3.1	3.0	3.0	3.9	4.0	3.1	3.2	3.7	4.0	3.9	4.0	3.4	3.2	3.6	3.7	3.0	3.1
70.	3.3	3.9	4.4	3.5	3.3	3.3	3.9	4.0	3.1	3.3	3.9	3.9	3.8	4.2	3.7	3.5	3.7	3.9	3.1	3.2
80.	3.8	4.0	5.3	3.8	4.0	4.0	3.9	3.9	3.4	3.4	3.7	3.8	3.7	4.1	4.3	4.3	3.6	3.8	3.7	3.8
90.	4.3	4.1	5.7	4.3	4.4	4.2	3.8	3.9	3.8	3.9	3.7	3.8	3.7	4.0	4.9	4.9	3.6	3.5	4.2	4.3
100.	4.6	4.5	5.3	4.8	4.4	4.3	3.8	3.7	3.9	4.1	3.6	3.7	3.7	4.0	5.1	5.0	3.7	3.8	4.5	4.7
110.	4.6	4.3	5.0	4.8	4.3	4.2	3.8	3.7	4.0	4.0	3.7	3.7	3.8	4.0	4.8	4.9	3.9	3.8	4.6	4.9
120.	4.5	4.2	4.6	4.4	4.3	4.2	3.6	3.8	3.8	3.8	3.6	3.6	3.7	4.1	4.8	4.9	3.8	3.8	4.7	4.8
130.	4.6	4.2	4.4	4.6	4.1	4.3	3.6	3.7	3.7	3.7	3.6	3.6	3.6	4.1	4.6	4.7	3.8	3.8	4.5	4.7
140.	4.8	4.1	4.2	4.3	4.2	4.2	3.5	3.7	3.7	3.7	3.6	3.7	3.7	3.9	4.5	4.7	3.8	3.8	4.4	4.5
150.	4.6	4.0	4.1	4.4	4.1	4.0	3.6	3.6	3.6	3.6	3.5	3.8	3.6	3.8	4.4	4.7	3.8	3.8	4.4	4.5
160.	4.6	4.0	4.0	4.4	4.1	4.0	3.6	3.7	3.6	3.6	3.6	3.8	3.6	3.7	4.2	4.6	3.8	3.8	4.4	4.4
170.	4.5	4.2	4.1	4.2	4.1	4.0	3.6	3.7	3.6	3.6	3.6	3.6	3.7	3.9	4.2	4.5	3.8	3.8	4.4	4.3
180.	4.5	4.2	4.2	4.2	4.1	4.0	3.6	3.7	3.6	3.6	3.6	3.6	3.7	3.7	4.2	4.6	3.9	3.7	4.4	4.6

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	(PPM)																			
190.	4.3	4.3	4.2	4.3	4.2	4.0	3.6	3.6	3.6	3.7	3.6	3.6	3.7	3.8	4.1	4.4	4.3	3.8	4.5	4.6
200.	4.4	4.0	4.2	4.4	4.1	4.1	3.6	3.6	3.7	3.7	3.6	3.6	3.7	3.6	4.3	4.5	4.4	3.8	4.7	4.6
210.	4.6	3.8	4.2	4.3	4.1	4.3	3.6	3.5	3.7	3.8	3.7	3.6	3.7	3.8	4.4	4.4	4.6	3.8	4.6	4.5
220.	4.4	3.7	4.3	4.5	4.4	4.3	3.6	3.7	3.9	3.8	3.7	3.6	3.8	3.7	4.6	4.6	4.6	3.9	4.7	4.5
230.	4.5	3.8	4.6	4.4	4.3	4.1	3.6	3.7	3.9	4.1	3.7	3.8	3.8	3.8	4.7	4.9	4.6	4.1	4.7	4.7
240.	4.2	3.7	5.0	4.0	4.0	3.9	3.2	3.2	3.7	3.8	3.3	3.4	3.7	3.8	4.9	5.2	4.6	4.1	4.9	4.7
250.	4.1	3.2	4.8	3.8	3.8	3.7	3.4	3.4	3.1	3.2	3.4	3.5	3.3	3.5	4.4	5.0	4.1	3.7	4.4	4.3
260.	3.7	3.2	4.0	3.4	3.4	3.4	3.7	3.7	3.0	3.1	3.7	3.7	3.3	3.7	3.7	4.1	4.1	3.8	3.7	3.9
270.	3.3	3.3	3.2	3.2	3.1	3.1	3.9	4.0	3.0	3.2	3.9	4.0	3.4	4.1	3.1	3.4	4.0	3.8	3.3	3.5
280.	3.1	3.4	3.0	3.0	3.0	3.0	4.0	4.0	3.2	3.3	3.9	3.9	3.7	4.5	3.1	3.3	4.2	3.9	3.0	3.2
290.	3.1	3.3	3.2	3.0	3.0	3.0	3.9	3.9	3.2	3.3	3.8	3.9	3.7	4.3	3.2	3.4	3.9	3.8	3.0	3.1
300.	3.2	3.2	3.2	3.0	3.0	3.0	3.9	3.9	3.2	3.2	3.8	3.7	3.8	4.1	3.2	3.4	3.9	3.7	3.0	3.1
310.	3.2	3.3	3.2	3.0	3.0	3.0	3.8	3.7	3.2	3.2	3.7	3.6	3.8	4.1	3.3	3.5	3.5	3.8	3.0	3.1
320.	3.2	3.4	3.2	3.0	3.0	3.0	3.8	3.7	3.2	3.2	3.6	3.6	3.8	3.9	3.3	3.5	3.7	3.7	3.0	3.0
330.	3.1	3.3	3.0	3.0	3.0	3.0	3.7	3.7	3.2	3.2	3.6	3.6	3.7	4.0	3.3	3.5	3.6	3.7	3.0	3.0
340.	3.1	3.3	3.1	3.0	3.0	3.0	3.7	3.7	3.2	3.2	3.6	3.6	3.7	4.0	3.3	3.5	3.5	3.7	3.0	3.0
350.	3.1	3.3	3.1	3.0	3.0	3.0	3.6	3.7	3.2	3.2	3.6	3.6	3.7	4.0	3.2	3.4	3.4	3.7	3.0	3.0
360.	3.0	3.3	3.0	3.0	3.0	3.0	3.7	3.6	3.2	3.2	3.6	3.6	3.7	3.8	3.2	3.5	3.5	3.7	3.0	3.0
MAX	4.8	4.5	5.7	4.8	4.4	4.3	4.0	4.0	4.0	4.1	3.9	4.0	3.9	4.5	5.1	5.2	4.6	4.1	4.9	4.9
DEGR.	140	100	90	100	90	100	50	60	110	230	50	40	40	280	100	240	230	230	240	110

WIND * CONCENTRATION

ANGLE (DEGR)	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48
	(PPM)							
0.	3.0	3.1	3.2	3.0	4.2	4.4	3.7	3.0
10.	3.0	3.1	3.2	3.0	4.1	4.3	3.8	3.0
20.	3.0	3.1	3.3	3.0	4.3	4.5	4.1	3.0
30.	3.0	3.1	3.3	3.0	4.3	4.3	4.4	3.0
40.	3.0	3.1	3.3	3.0	4.4	4.3	4.8	3.0
50.	3.0	3.1	3.3	3.0	4.4	4.3	5.2	3.0
60.	3.0	3.0	3.2	3.0	4.4	4.4	5.7	3.0
70.	3.0	3.0	3.2	3.2	3.9	4.1	5.6	3.1
80.	3.0	3.0	3.9	3.4	3.4	3.5	4.8	3.5
90.	3.0	3.4	4.2	4.2	3.0	3.0	3.8	4.2
100.	3.3	3.6	4.5	4.4	3.0	3.0	3.3	4.7
110.	3.6	3.8	4.6	4.6	3.0	3.0	3.3	4.5

WIND * CONCENTRATION (cont)

ANGLE (DEGR)	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48
	(PPM)							
120.	3.7	4.1	4.3	4.5	3.0	3.0	3.3	4.5
130.	3.6	4.2	4.3	4.5	3.0	3.0	3.4	4.3
140.	3.6	4.1	4.6	4.5	3.0	3.0	3.3	4.3
150.	3.7	4.1	4.4	4.5	3.0	3.0	3.3	4.4
160.	3.6	4.2	4.5	4.5	3.0	3.0	3.3	4.3
170.	3.8	3.8	4.2	4.4	3.0	3.0	3.4	4.4
180.	4.0	3.8	4.2	4.3	3.1	3.0	3.4	4.4
190.	3.9	3.8	4.3	4.4	3.2	3.0	3.3	4.3
200.	3.9	3.9	4.3	4.4	3.2	3.2	3.3	4.3
210.	3.8	4.0	4.4	4.4	3.2	3.4	3.3	4.3
220.	3.9	4.0	4.6	4.6	3.2	3.6	3.1	4.3
230.	3.7	4.0	4.7	4.8	3.2	3.7	3.0	4.4
240.	3.4	3.6	4.7	4.7	3.2	3.6	3.1	4.3
250.	3.2	3.3	4.3	4.3	3.5	3.7	4.0	3.8
260.	3.0	3.0	3.7	3.6	4.2	4.4	4.7	3.6
270.	3.0	3.0	3.3	3.3	4.7	4.7	5.0	3.2
280.	3.0	3.0	3.1	3.1	4.7	4.7	4.6	3.0
290.	3.0	3.0	3.0	3.0	4.6	4.6	4.4	3.0
300.	3.0	3.0	3.0	3.0	4.6	4.6	4.1	3.0
310.	3.0	3.0	3.0	3.0	4.5	4.3	4.0	3.0
320.	3.1	3.0	3.0	3.0	4.4	4.4	3.9	3.0
330.	3.1	3.0	3.0	3.0	4.2	4.3	3.8	3.0
340.	3.1	3.0	3.0	3.0	4.1	4.3	3.6	3.0
350.	3.1	3.0	3.0	3.0	4.1	4.3	3.6	3.0
360.	3.0	3.1	3.2	3.0	4.2	4.4	3.7	3.0
MAX	4.0	4.2	4.7	4.8	4.7	4.7	5.7	4.7
DEGR.	180	130	230	230	270	270	60	100

THE HIGHEST CONCENTRATION OF 5.80 PPM OCCURRED AT RECEPTOR REC16.

JOB: SUT2025 Build PM Peak RUN: SUT2025BuildPMPeak

DATE : 2/28/ 6
TIME : 15:50: 5

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	10	10	0	280	230	290	260	0	40	170	150	160	50	40	50	250	220	210	270	200
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.2	.2	.0	.1	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0
4	.4	.0	.0	.1	.2	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0	.0	.0	.0
5	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0
6	.0	.1	.1	.0	.0	.2	.2	.2	.1	.1	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0
7	.1	.0	.0	.1	.0	.2	.1	.0	.0	.0	.0	.2	.3	.3	.1	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.3	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.1	.3	.4	.2	.2	.0	.0	.0	.0	.1	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.1	.1	.1	.0	.0	.1	.1	.1	.3	.2	.2	.0	.0	.2	.1	.0	.0	.0	.0	.0
14	.1	.2	.1	.0	.0	.2	.3	.0	.0	.6	.4	.0	.0	.2	.1	.0	.0	.0	.0	.0
15	.0	.1	.1	.0	.0	.1	.2	.0	.0	.2	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0
16	.1	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.1	.0	.1	.2	.0	.0	.0	.0	.0
17	.0	.1	.1	.3	.2	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.2	.2	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.2	.1	.0	.0	.0	.0	.3	.2	.1	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.3	.1	.2
22	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.2	.0	.1
23	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.1
24	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	10	10	0	280	230	290	260	0	40	170	150	160	50	40	50	250	220	210	270	200
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
33	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
42	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.1	.2
43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.2
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
	10	10	0	280	230	290	260	0	40	170	150	160	50	40	50	250	220	210	270	200
66	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1
67	.1	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	1.2	.4	.3	.0	.2
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
69	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
77	.1	.1	.0	.0	.0	.0	.0	.1	.1	.0	.0	.0	.0	.1	.0	.7	.4	.3	.0	.2
78	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.1
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0

CO/LINK (PPM)
ANGLE (DEGREES)

LINK #	REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
	140	100	90	100	90	100	50	60	110	230	50	40	40	280	100	240	230	230	240	110
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 140	REC22 100	REC23 90	REC24 100	REC25 90	REC26 100	REC27 50	REC28 60	REC29 110	REC30 230	REC31 50	REC32 40	REC33 40	REC34 280	REC35 100	REC36 240	REC37 230	REC38 230	REC39 240	REC40 110
17	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
22	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
23	.1	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
24	.0	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.4	.7	.0	.0	.0	.0	.2	.0
25	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3	.4	.0	.0	.0	.0	.1	.0
27	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3
28	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
29	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
30	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.5
31	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
32	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.3
33	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.2	.3	.0	.0	.0	.0	.1	.0
34	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.1	.1
35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
36	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.1	.1	.0	.0	.0
37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.1	.0	.0
38	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.1	.1	.0	.0
42	.1	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
44	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
45	.4	.0	.0	.2	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0

JOB: SUT2025 Build PM Peak RUN: SUT2025BuildPMPeak

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC21 140	REC22 100	REC23 90	REC24 100	REC25 90	REC26 100	REC27 50	REC28 60	REC29 110	REC30 230	REC31 50	REC32 40	REC33 40	REC34 280	REC35 100	REC36 240	REC37 230	REC38 230	REC39 240	REC40 110
46	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
49	.0	.0	.0	.3	.4	.1	.1	.2	.0	.0	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
50	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.4	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.2	.5	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.1	.2	.1	.1	.3	.0	.0	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
62	.3	.0	.0	.3	.1	.0	.0	.1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
63	.1	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.2	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0	.0	.0	.3
65	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0
66	.3	.2	1.0	.1	.0	.2	.0	.0	.2	.0	.0	.0	.0	.0	.0	.9	.4	.4	.2	.0
67	.0	.0	.2	.0	.0	.0	.0	.0	.3	.3	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.2	.2	.0	.0	.0	.0	.0	.1	.1	.1	.2	.0
78	.3	.1	.8	.1	.0	.1	.0	.0	.3	.0	.0	.0	.0	.0	.0	.7	.3	.3	.1	.0
79	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.2	.2	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0	.3

JOB: SUT2025 Build PM Peak RUN: SUT2025BuildPMPeak

DATE : 2/28/ 6
TIME : 15:50: 5

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

CO/LINK (PPM) (cont)
ANGLE (DEGREES)

LINK #	REC41 180	REC42 130	REC43 230	REC44 230	REC45 270	REC46 270	REC47 60	REC48 100
1	.0	.0	.0	.0	.0	.0	.0	.0
2	.0	.0	.0	.0	.0	.0	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0
5	.0	.0	.0	.0	.0	.0	.0	.0
6	.0	.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.0	.0
9	.0	.0	.0	.0	.0	.0	.0	.0
10	.0	.0	.0	.0	.0	.0	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0
12	.0	.0	.0	.0	.0	.2	.0	.0
13	.0	.0	.0	.0	.0	.0	.0	.0
14	.0	.0	.0	.0	.0	.0	.0	.0
15	.0	.0	.0	.0	.0	.0	.0	.0
16	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	.0	.0	.0	.0	.0	.0
18	.0	.0	.0	.0	.0	.0	.0	.0
19	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.0	.0	.0	.0	.0	.1	.0
22	.0	.0	.0	.0	.0	.2	.1	.0
23	.0	.0	.0	.0	.0	.0	.0	.0
24	.1	.0	.4	.4	.0	.0	.0	.3
25	.0	.0	.0	.0	.0	.0	.0	.0
26	.0	.0	.2	.2	.0	.0	.0	.2
27	.0	.1	.0	.0	.0	.0	.0	.1
28	.0	.0	.0	.0	.0	.0	.0	.0

```
        *    CO/LINK  (PPM) (cont)
        *    ANGLE (DEGREES)
        *  REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48
LINK # *   180   130   230   230   270   270    60   100
-------*-----------------------------------------------
   29  *    .0    .0    .0    .0    .0    .0    .0    .0
   30  *    .1    .1    .0    .0    .0    .0    .0    .1
   31  *    .0    .0    .0    .0    .0    .0    .0    .0
   32  *    .0    .1    .0    .0    .0    .0    .0    .0
   33  *    .0    .0    .4    .4    .0    .0    .0    .4
   34  *    .0    .0    .1    .1    .0    .0    .0    .1
   35  *    .0    .0    .0    .0    .0    .0    .0    .0
   36  *    .0    .0    .0    .0    .1    .0    .0    .0
   37  *    .0    .0    .0    .0    .0    .0    .0    .0
   38  *    .1    .0    .0    .0    .0    .0    .0    .0
   39  *    .0    .1    .0    .0    .0    .0    .0    .0
   40  *    .0    .2    .0    .0    .0    .0    .0    .0
   41  *    .1    .0    .0    .0    .1    .0    .0    .0
   42  *    .0    .0    .0    .0    .0    .0    .2    .0
   43  *    .0    .0    .0    .0    .0    .1    .0    .0
   44  *    .0    .0    .0    .0    .0    .0    .0    .0
   45  *    .0    .0    .0    .0    .0    .0    .0    .0
   46  *    .0    .0    .0    .0    .0    .0    .0    .0
   47  *    .0    .0    .0    .0    .0    .0    .0    .0
   48  *    .0    .0    .0    .0    .0    .0    .0    .0
   49  *    .0    .0    .0    .0    .0    .0    .0    .0
   50  *    .0    .0    .0    .0    .0    .0    .0    .0
   51  *    .0    .0    .0    .0    .0    .0    .0    .0
   52  *    .0    .0    .0    .0    .0    .0    .0    .0
   53  *    .0    .0    .0    .0    .0    .0    .0    .0
   54  *    .0    .0    .0    .0    .0    .0    .0    .0
   55  *    .0    .0    .0    .0    .0    .0    .0    .0
   56  *    .0    .0    .0    .0    .0    .0    .0    .0
   57  *    .0    .0    .0    .0    .0    .0    .0    .0
   58  *    .0    .0    .0    .0    .0    .0    .0    .0
   59  *    .0    .0    .0    .0    .0    .0    .0    .0
   60  *    .0    .0    .0    .0    .0    .0    .0    .0
   61  *    .0    .0    .0    .0    .0    .0    .0    .0
   62  *    .0    .0    .0    .0    .0    .0    .0    .0
   63  *    .0    .0    .0    .0    .0    .0    .0    .0
   64  *    .1    .3    .0    .0    .0    .0    .1    .3
   65  *    .1    .0    .0    .0    .0    .0    .0    .0
```

```
        *    CO/LINK  (PPM) (cont)
        *    ANGLE (DEGREES)
        *  REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48
LINK # *   180   130   230   230   270   270    60   100
-------*-----------------------------------------------
   66  *    .1    .0    .2    .2    .4    .0    .6    .0
   67  *    .0    .0    .1    .2    .2    .3    .3    .0
   68  *    .0    .0    .0    .0    .0    .1    .0    .0
   69  *    .0    .0    .0    .0    .0    .1    .0    .0
   70  *    .0    .0    .0    .0    .0    .0    .0    .0
   71  *    .0    .0    .0    .0    .0    .0    .0    .0
   72  *    .0    .0    .0    .0    .0    .0    .0    .0
   73  *    .0    .0    .0    .0    .0    .0    .0    .0
   74  *    .0    .0    .0    .0    .0    .0    .0    .0
   75  *    .0    .0    .0    .0    .0    .1    .0    .0
   76  *    .0    .0    .0    .0    .0    .1    .0    .0
   77  *    .0    .0    .1    .2    .2    .5    .6    .0
   78  *    .1    .0    .2    .1    .7    .0    .6    .0
   79  *    .1    .0    .0    .0    .0    .0    .0    .0
   80  *    .1    .3    .0    .0    .0    .0    .1    .2
```