Appendix 4.7 Sample Computer Outputs of CALINE4 Calculations for the Assessment Points near the Underpass

NO2 – daytime (without proposed noise barriers)

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                  JUNE 1989 VERSION
                  PAGE   1

            JOB: Lei Yue Mun Bypass - NO2, daytime, unmit
            RUN: NO2                (WORST CASE ANGLE)
      POLLUTANT: NO2

   I.  SITE VARIABLES

         U=   1.0 M/S            Z0= 100. CM            ALT=     1. (M)
       BRG= WORST CASE           VD=    .0 CM/S
      CLAS=    4 (D)             VS=    .0 CM/S
      MIXH=  500. M              TEMP= 25.0 DEGREE (C)
      SIGTH=   24. DEGREES

      NOX VARIABLES

       NO2=  .04 PPM      NO=  .07 PPM      O3=  .03 PPM       RK=  .004
1/SEC

   II.  LINK VARIABLES

      LINK      *  LINK COORDINATES (M)   *                    EF     H     W
   DESCRIPTION  *   X1     Y1     X2     Y2  * TYPE  VPH   (G/MI)   (M)   (M)
----------------*-----------------------------*-----------------------------------
 0. G1EB01      * 41768 18895 41857 18884 *  BG   5056  2.75   22.0  36.0
 1. G2EB01      * 41857 18884 41932 18834 *  BG   5056  2.75   17.0  40.0
 2. G3EB01      * 41932 18834 41964 18794 *  BG   5056  5.31   13.0  34.0
 3. G4EB01      * 41964 18794 41996 18756 *  BG   5056  7.88   13.0  34.0
 4. G1LYM1      * 41817 18951 41903 18896 *  AG   5737  2.75     .0  36.0
 5. G2LYM1      * 41903 18896 41933 18834 *  AG   5737  2.75     .0  36.0
 6. G3LYM1      * 41933 18834 41964 18794 *  AG   5737  5.31     .0  42.0
 7. G4LYM1      * 41964 18794 41996 18756 *  AG   5737  7.88     .0  49.5
 8. G1LYM2      * 42172 18507 42205 18497 *  DP   6181  7.88   -9.0  26.0
 9. G2LYM2      * 42205 18497 42236 18459 *  DP   6181  5.31   -8.6  26.0
10. G3LYM2      * 42236 18459 42258 18425 *  DP   6181  2.75   -8.3  26.0
11. G4LYM2      * 42258 18425 42282 18387 *  DP   6181  2.75   -8.1  26.0
12. G5LYM2      * 42282 18387 42295 18345 *  DP   6181  2.75   -8.4  26.0
13. G6LYM2      * 42295 18345 42307 18330 *  DP   6181  2.75   -9.1  26.0
14. G7LYM2      * 42307 18330 42301 18283 *  DP   6181  2.75  -10.4  26.0
15. G8LYM2      * 42301 18283 42296 18186 *  DP   6181  2.75  -12.1  26.0
16. G9LYM2      * 42296 18186 42266 18137 *  DP   6181  2.75  -14.8  26.0
17. G10LYM2     * 42266 18137 42233 18089 *  DP   6181  2.75  -18.3  26.0
18. G1LYM3      * 42318 18371 42356 18331 *  AG   3561  2.75     .0  26.0
19. G2LYM3      * 42356 18331 42388 18295 *  AG   3561  2.75     .0  26.0
20. G3LYM3      * 42388 18295 42405 18259 *  AG   3561  2.75     .0  26.0
21. G4LYM3      * 42405 18259 42414 18214 *  AG   3198  2.75     .0  26.0
22. G5LYM3      * 42414 18214 42443 18170 *  AG   3198  2.75     .0  26.0
23. G1HYP       * 42187 18960 42218 18922 *  DP    627  7.88   -2.3  14.0
24. G2HYP       * 42218 18922 42281 18683 *  DP    627  5.31   -6.8  14.0
25. G3HYP       * 42281 18683 42263 18447 *  DP    627  2.75   -6.8  14.0
26. G1HYP2      * 42291 18410 42305 18390 *  DP    627  8.24   -9.0  14.0
27. G1KTN       * 42131 19135 42102 19069 *  AG   1523  2.75     .0  16.0
28. G2KTN       * 42102 19069 42135 18912 *  AG   1523  2.75     .0  16.0
29. G3KTN       * 42135 18912 42280 18758 *  AG   1523  2.75     .0  16.0
30. G4KTN       * 42280 18758 42326 18615 *  AG   1523  2.75     .0  16.0
31. G5KTN       * 42326 18615 42315 18608 *  AG   1523  2.75     .0  16.0
32. G1LYN4      * 42443 18170 42569 18100 *  AG   2453  2.75     .0  32.0
33. G2LYN4      * 42569 18100 42556 18029 *  AG   2453  2.75     .0  32.0
34. G3LYN4      * 42556 18029 42599 17939 *  AG   2453  2.75     .0  32.0
35. G1LYN5      * 42606 17940 42642 17842 *  FL   1817  2.75   12.8  32.0
36. G2LYN5      * 42642 17842 42683 17723 *  FL   1817  2.75   12.8  32.0
37. G3LYN5      * 42683 17723 42716 17605 *  FL   1817  2.75   12.8  32.0
38. G4LYN5      * 42716 17604 42746 17516 *  FL   1817  2.75   14.8  32.0
39. G5LYN5      * 42746 17516 42777 17416 *  FL   1817  2.75   14.8  32.0
40. G1HYP3      * 42452 18206 42479 18145 *  DP    627 11.17   -6.8  14.0
41. G2HYP3      * 42479 18145 42507 18123 *  DP    627  6.56   -2.3  14.0
42. G3HYP3      * 42507 18123 42547 18043 *  AG    627  2.75     .0  26.0
43. G4HYP3      * 42547 18043 42486 17963 *  AG    627  2.75     .0  26.0
44. G1HSC       * 42333 18069 42385 18051 *  DP   6722  2.75  -21.5  42.0
45. G2HSC       * 42385 18051 42425 17949 *  DP   6722  2.75  -27.6  49.0
46. G3HSC       * 42425 17949 41853 17839 *  DP   6722  2.75  -35.9  56.0
47. G1CKL       * 41910 18091 41922 17842 *  AG   1860  3.49     .0  20.0
48. G2CKL       * 41922 17842 41714 17798 *  AG   1860  3.49     .0  26.0
49. G3CKL       * 41714 17798 41787 17767 *  AG   1860  3.49     .0  26.0
50. G4CKL       * 41787 17767 42394 17601 *  AG   1860  3.49     .0  26.0
51. G5CKL       * 42384 17601 42396 17026 *  AG   1860  3.49     .0  20.0
52. G6CKL       * 42396 17026 42356 17786 *  AG   1860  3.49     .0  20.0
53. G7CKL       * 42356 17786 42575 17466 *  AG   1860  3.49     .0  20.0
54. G8CKL       * 42575 17466 42674 17418 *  AG   1860  3.49     .0  20.0
55. G9CKL       * 42674 17418 42543 17277 *  AG   1860  3.49     .0  20.0
56. G10CKL      * 42543 17277 42581 17183 *  AG   1860  3.49     .0  20.0
57. G1ESL       * 42342 18174 42269 18148 *  AG   1623  2.75     .0  16.0
58. G2ESL       * 42269 18148 42335 18157 *  AG   1623  2.75    5.5  16.0
59. G3ESL       * 42335 18157 42315 18381 *  AG   1623  2.75     .0  16.0
60. G4ESL       * 42315 18381 42288 18425 *  AG   1623  2.75     .0  16.0
61. G5ESL       * 42288 18425 42250 18489 *  DG   1623  2.75    8.5  16.0
62. G6ESL       * 42250 18489 42242 18175 *  AG   1623  2.75     .0  16.0
63. G1STR1      * 42452 18173 42413 18163 *  FL   2295  2.75    6.0  26.0
64. G2STR1      * 42413 18163 42416 18085 *  FL   2295  2.75    6.0  24.0
65. G3STR1      * 42416 18085 42430 18031 *  FL   2295  2.75    6.0  24.0
66. G4STR1      * 42430 18031 42401 17985 *  FL   2295  3.04    6.0  24.0
67. G1STR2      * 42343 17952 42295 17937 *  FL   2295  3.04    6.0  22.0
68. G2STR2      * 42295 17937 42247 17926 *  FL   2295  3.04    6.0  22.0
69. G3STR2      * 42247 17926 42142 17893 *  FL   2295  2.75    6.0  22.0
70. G4STR2      * 42142 17893 42104 17884 *  FL   2295  2.75    6.0  26.0
71. G5STR2      * 42104 17884 42098 17817 *  AG   2295  2.75     .0  26.0
72. G1SR1       * 42142 18526 42191 18486 *  AG   2545  7.88     .0  14.0
73. G2SR1       * 42191 18486 42203 18469 *  AG   2545  5.31     .0  14.0
74. G3SR1       * 42203 18469 42246 18412 *  AG   2545  2.75     .0  14.0
75. G1SR51      * 42168 18540 42227 18507 *  BG   1928  7.88    1.4  14.0
76. G2SR51      * 42227 18507 42265 18474 *  BG   1928  5.31    4.1  14.0
77. G3SR51      * 42265 18474 42281 18410 *  BG   1928  2.75    5.5  14.0
78. G1SR4       * 42191 18262 42282 18120 *  DP    488  2.75   -5.8  14.0
79. G2SR4       * 42282 18120 42338 18060 *  DP    488  2.75  -10.8  14.0

   III.  RECEPTOR LOCATIONS

                *   COORDINATES (M)
  RECEPTOR      *    X      Y      Z
----------------*-------------------
 1. P1-1        *  42455  18209    .0
 2. P2-1        *  42447  18204    .0
 3. P3-1        *  42306  18382    .0
 4. P4-1        *  42304  18399    .0
 5. P5-1        *  42300  18404    .0
 6. P6-1        *  42284  18413    .0
 7. P7-1        *  42267  18456    .0
 8. P8-1        *  42268  18444    .0
 9. P1-2        *  42455  18209   -4.5
10. P2-2        *  42447  18204   -4.5
11. P3-2        *  42306  18382   -4.5
12. P4-2        *  42304  18399   -4.5
13. P5-2        *  42300  18404   -4.5
14. P6-2        *  42284  18413   -4.5
15. P7-2        *  42267  18456   -4.5
16. P8-2        *  42268  18444   -4.5
17. P1-3        *  42455  18209   -8.0
18. P2-3        *  42447  18204   -8.0
19. P3-3        *  42306  18382   -8.0
20. P4-3        *  42304  18399   -8.0
21. P5-3        *  42300  18404   -8.0
22. P6-3        *  42284  18413   -8.0
23. P7-3        *  42267  18456   -8.0
24. P8-3        *  42268  18444   -8.0

  IV.  MODEL RESULTS (WORST CASE WIND ANGLE )

                *        *  PRED  *                  CONC/LINK
                *        *  CONC  *                   (PPM)
  RECEPTOR      *  BRG   *  (PPM)  *    0     1     2     3     4     5     6     7
----------------*--------*--------*-------------------------------------------------
 1. P1-1        *  160.  *  .1761  *  .00   .00   .00   .00   .00   .00   .00   .00
 2. P2-1        *  146.  *  .1852  *  .00   .00   .00   .00   .00   .00   .00   .00
 3. P3-1        *  321.  *  .2017  *  .00   .00   .00   .00   .00   .00   .00   .00
 4. P4-1        *  314.  *  .2033  *  .00   .00   .00   .00   .00   .00   .00   .00
 5. P5-1        *  314.  *  .1981  *  .00   .00   .00   .00   .00   .00   .00   .00
 6. P6-1        *  316.  *  .2017  *  .00   .00   .00   .00   .00   .00   .00   .00
 7. P7-1        *  307.  *  .2038  *  .00   .00   .00   .00   .00   .00   .00   .00
 8. P8-1        *  316.  *  .2462  *  .00   .00   .00   .00   .00   .00   .00   .00
 9. P1-2        *  160.  *  .1958  *  .00   .00   .00   .00   .00   .00   .00   .00
10. P2-2        *  144.  *  .1939  *  .00   .00   .00   .00   .00   .00   .00   .00
11. P3-2        *  321.  *  .2141  *  .00   .00   .00   .00   .00   .00   .00   .00
12. P4-2        *  313.  *  .2093  *  .00   .00   .00   .00   .00   .00   .00   .00
13. P5-2        *  313.  *  .1939  *  .00   .00   .00   .00   .00   .00   .00   .00
14. P6-2        *  315.  *  .2208  *  .00   .00   .00   .00   .00   .00   .00   .00
15. P7-2        *  307.  *  .2246  *  .00   .00   .00   .00   .00   .00   .00   .00
16. P8-2        *  316.  *  .2729  *  .00   .00   .00   .00   .00   .00   .00   .00
17. P1-3        *  157.  *  .1785  *  .00   .00   .00   .00   .00   .00   .00   .00
18. P2-3        *  142.  *  .1721  *  .00   .00   .00   .00   .00   .00   .00   .00
19. P3-3        *  320.  *  .2131  *  .00   .00   .00   .00   .00   .00   .00   .00
20. P4-3        *  311.  *  .2052  *  .00   .00   .00   .00   .00   .00   .00   .00
21. P5-3        *  312.  *  .1876  *  .00   .00   .00   .00   .00   .00   .00   .00
22. P6-3        *  315.  *  .2110  *  .00   .00   .00   .00   .00   .00   .00   .00
23. P7-3        *  306.  *  .2168  *  .00   .00   .00   .00   .00   .00   .00   .00
24. P8-3        *  316.  *  .2741  *  .00   .00   .00   .00   .00   .00   .00   .00
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NO2 – daytime (with proposed noise barriers)

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
                  JUNE 1989 VERSION
                  PAGE   1

            JOB: Lei Yue Mun Bypass (2007) - NO2, daytime
            RUN: NO2                (WORST CASE ANGLE)
      POLLUTANT: NO2

   I.  SITE VARIABLES

         U=   1.0 M/S            Z0= 100. CM            ALT=     1. (M)
       BRG= WORST CASE           VD=    .0 CM/S
      CLAS=    4 (D)             VS=    .0 CM/S
      MIXH=  500. M              TEMP= 25.0 DEGREE (C)
      SIGTH=   24. DEGREES

      NOX VARIABLES

       NO2=  .04 PPM      NO=  .07 PPM      O3=  .03 PPM       RK=  .004
1/SEC

   II.  LINK VARIABLES

      LINK      *  LINK COORDINATES (M)   *                    EF     H     W
   DESCRIPTION  *   X1     Y1     X2     Y2  * TYPE  VPH   (G/MI)   (M)   (M)
----------------*-----------------------------*-----------------------------------
 0. G1EB01      * 41768 18895 41857 18884 *  BG   5056  2.75   22.0  36.0
 1. G2EB01      * 41857 18884 41932 18834 *  BG   5056  2.75   17.0  40.0
 2. G3EB01      * 41932 18834 41964 18794 *  BG   5056  5.31   13.0  34.0
 3. G4EB01      * 41964 18794 41996 18756 *  BG   5056  7.88   13.0  34.0
 4. G1LYM1      * 41817 18951 41903 18896 *  AG   5737  2.75     .0  36.0
 5. G2LYM1      * 41903 18896 41933 18834 *  AG   5737  2.75     .0  36.0
 6. G3LYM1      * 41933 18834 41964 18794 *  AG   5737  5.31     .0  42.0
 7. G4LYM1      * 41964 18794 41996 18756 *  AG   5737  7.88     .0  49.5
 8. G1LYM2      * 42172 18507 42205 18497 *  DP   6181  7.88   -9.0  26.0
 9. G2LYM2      * 42205 18497 42236 18459 *  DP   6181  5.31   -8.6  26.0
10. G3LYM2      * 42236 18459 42258 18425 *  DP   6181  2.75   -8.3  26.0
11. G4LYM2      * 42258 18425 42282 18387 *  DP   6181  2.75   -8.1  26.0
12. G5LYM2      * 42282 18387 42295 18345 *  DP   6181  2.75   -8.4  26.0
13. G6LYM2      * 42295 18345 42307 18330 *  DP   6181  2.75   -9.1  26.0
14. G7LYM2      * 42307 18330 42301 18283 *  DP   6181  2.75  -10.4  26.0
15. G8LYM2      * 42301 18283 42296 18186 *  DP   6181  2.75  -12.1  26.0
16. G9LYM2      * 42296 18186 42266 18137 *  DP   6181  2.75  -14.8  26.0
17. G10LYM2     * 42266 18137 42233 18089 *  DP   6181  2.75  -18.3  26.0
18. G1LYM3      * 42318 18371 42356 18331 *  AG   3561  2.75     .0  26.0
19. G2LYM3      * 42356 18331 42388 18295 *  AG   3561  2.75     .0  26.0
20. G3LYM3      * 42388 18295 42405 18259 *  AG   3561  2.75     .0  26.0
21. G4LYM3      * 42405 18259 42414 18214 *  AG   3198  2.75     .0  26.0
22. G5LYM3      * 42414 18214 42443 18170 *  AG   3198  2.75     .0  26.0
23. G1HYP       * 42187 18960 42218 18922 *  DP    627  7.88   -2.3  14.0
24. G2HYP       * 42218 18922 42281 18683 *  DP    627  5.31   -6.8  14.0
25. G3HYP       * 42281 18683 42263 18447 *  DP    627  2.75   -6.8  14.0
26. G1HYP2      * 42291 18410 42305 18390 *  DP    627  8.24   -9.0  14.0
27. G1KTN       * 42131 19135 42102 19069 *  AG   1523  2.75     .0  16.0
28. G2KTN       * 42102 19069 42135 18912 *  AG   1523  2.75     .0  16.0
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2. 03STR	* 42135	18912	42260	18759	* AG	1523	2.7%	.0	16.0	
3. 04STR	* 42260	18759	42326	18635	* AG	1523	2.7%	.0	16.0	
4. 05STR	* 42326	18635	42513	18408	* AG	1523	2.7%	.0	20.0	
6. s3	* 42468	18181	42507	18123	* FL	1227	2.7%	7.7	16.0	
7. s4	* 42438	18160	42477	18102	* FL	1227	2.7%	7.7	16.0	
8. Pl111	* 42529	18077	42489	18117	* FL	3083	3.39	7.7	26.0	
9. Pl112	* 42558	18036	42529	18077	* FL	3083	4.03	7.7	26.0	
10. Pl113	* 42594	17975	42613	17928	* FL	1817	4.90	12.0	22.0	
11. Pl114	* 42613	17928	42638	17880	* FL	1817	3.83	12.0	22.0	
12. 01LYN5	* 42638	17880	42642	17842	* FL	1817	2.75	12.0	22.0	
13. 02LYN5	* 42642	17842	42668	17723	* FL	1817	2.75	12.0	22.0	
14. 03LYN5	* 42668	17723	42718	17605	* FL	1817	2.75	12.0	22.0	
15. 04LYN5	* 42715	17634	42746	17510	* FL	1817	2.75	16.0	22.0	
16. 05LYN5	* 42746	17510	42777	17414	* FL	1817	2.75	16.0	22.0	
17. 01BYP3	* 42452	18206	42479	18165	* EP	627	11.17	-6.8	14.0	
18. 02BYP3	* 42479	18165	42567	18123	* EP	627	6.96	-2.3	14.0	
19. 01BHC	* 42234	18689	42185	18851	* DP	6722	2.7%	-31.5	46.0	
20. 02BHC	* 42185	18851	42035	17949	* DP	6722	2.7%	-27.0	66.0	
21. 03BHC	* 42035	17949	41853	17819	* DP	6722	2.7%	-35.0	56.0	
1. 01CRL	* 41913	18091	41832	17843	* AG	1863	3.49	.0	20.0	
2. 02CRL	* 41832	17843	41734	17780	* AG	1863	3.49	.0	20.0	
3. 03CRL	* 41734	17780	41797	17767	* AG	1863	3.49	.0	20.0	
4. 04CRL	* 41797	17767	42304	17821	* AG	1863	3.49	.0	20.0	
5. 05CRL	* 42304	17821	42396	17826	* AG	1863	3.49	.0	20.0	
6. 06CRL	* 42396	17826	42356	17786	* AG	1863	3.49	.0	20.0	
7. 07CRL	* 42356	17786	42575	17666	* AG	1863	3.49	.0	20.0	
8. 08CRL	* 42575	17666	42676	17610	* AG	1863	3.49	.0	20.0	
9. 09CRL	* 42676	17610	42643	17277	* AG	1863	3.49	.0	20.0	
0. 10CRL	* 42643	17277	42581	17203	* AG	1863	3.49	.0	20.0	
1. 01SB3	* 42242	18374	42269	18348	* AG	1623	2.7%	.0	16.0	
2. 02SB3	* 42269	18348	42305	18357	* AG	1623	2.7%	5.5	16.0	
3. 03SB3	* 42305	18357	42319	18391	* AG	1623	2.7%	.0	16.0	
4. 04SB3	* 42319	18391	42288	18429	* AG	1623	2.7%	.0	16.0	
5. 05SB3	* 42288	18429	42260	18469	* AG	1623	2.7%	5.5	16.0	
6. 06SB3	* 42260	18469	42242	18375	* AG	1623	2.7%	.0	16.0	
7. 01ay	* 42401	17984	42421	18030	* FL	2295	3.94	8.0	26.0	
8. 02ay	* 42421	18030	42417	18091	* FL	2295	3.34	8.0	24.0	
9. 03ay	* 42417	18091	42410	18133	* FL	2295	2.75	8.0	15.0	
0. 04ay	* 42410	18133	42443	18145	* FL	2295	2.75	8.0	15.0	
1. 01YTH2	* 42343	17982	42295	17837	* FL	2295	3.94	6.8	22.0	
2. 02YTH2	* 42295	17837	42247	17824	* FL	2295	3.34	6.8	22.0	
3. 03YTH2	* 42247	17824	42142	17803	* FL	2295	2.75	6.8	22.0	
4. 04YTH2	* 42142	17803	42184	17864	* FL	2295	2.75	6.8	26.0	
5. 05YTH2	* 42184	17864	42096	17917	* AG	2295	2.75	.0	26.0	
6. 01SR1	* 42161	18528	42191	18488	* AG	2565	7.88	.0	14.0	
7. 02SR1	* 42191	18488	42223	18449	* AG	2565	5.31	.0	14.0	
8. 03SR1	* 42223	18449	42246	18412	* AG	2565	2.75	.0	14.0	
9. 01SBF1	* 42188	18540	42227	18507	* BG	1928	7.88	1.4	14.0	
0. 02SBF1	* 42227	18507	42265	18474	* BG	1928	5.31	4.1	14.0	
1. 03SBF1	* 42265	18474	42281	18438	* BG	1928	2.75	9.5	16.0	
2. 01SB4	* 42191	18263	42282	18130	* DP	488	2.7%	-6.8	16.0	
3. 02SB4	* 42282	18130	42230	18080	* DP	488	2.7%	-16.8	16.0	

25. P9-1	* 333.	* .0830	* .00	.00	.00	.00	.00	.00	.00	.00
26. P9-2	* 333.	* .0841	* .00	.00	.00	.00	.00	.00	.00	.00
27. P9-3	* 348.	* .0855	* .00	.00	.00	.00	.00	.00	.00	.00
28. P10-1	* 327.	* .0780	* .00	.00	.00	.00	.00	.00	.00	.00
29. P10-2	* 327.	* .0787	* .00	.00	.00	.00	.00	.00	.00	.00
30. P10-3	* 348.	* .0881	* .00	.00	.00	.00	.00	.00	.00	.00
31. P11-1	* 331.	* .1043	* .00	.00	.00	.00	.00	.00	.00	.00
32. P11-2	* 331.	* .1290	* .00	.00	.00	.00	.00	.00	.00	.00
33. P11-3	* 331.	* .1504	* .00	.00	.00	.00	.00	.00	.00	.00
34. P12-1	* 327.	* .0965	* .00	.00	.00	.00	.00	.00	.00	.00
35. P12-2	* 330.	* .1339	* .00	.00	.00	.00	.00	.00	.00	.00
36. P12-3	* 331.	* .1290	* .00	.00	.00	.00	.00	.00	.00	.00

III. RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (M) X	Y	Z
1. P1-1	*	42455	18389	.0
2. P2-1	*	42467	18384	.0
3. P3-1	*	42306	18382	.0
4. P4-1	*	42304	18399	.0
5. P5-1	*	42300	18436	.0
6. P6-1	*	42286	18415	.0
7. P7-1	*	42267	18450	.0
8. P8-1	*	42260	18466	.0
9. P1-2	*	42455	18389	-4.5
10. P2-2	*	42467	18384	-4.5
11. P3-2	*	42306	18382	-4.5
12. P4-2	*	42304	18399	-4.5
13. P5-2	*	42300	18436	-4.5
14. P6-2	*	42286	18415	-4.5
15. P7-2	*	42267	18450	-4.5
16. P8-2	*	42260	18466	-4.5
17. P1-3	*	42455	18389	-9.0
18. P2-3	*	42467	18384	-9.0
19. P3-3	*	42306	18382	-9.0
20. P4-3	*	42304	18399	-9.0
21. P5-3	*	42300	18436	-9.0
22. P6-3	*	42286	18415	-9.0
23. P7-3	*	42267	18450	-9.0
24. P8-3	*	42260	18466	-9.0
25. P9-1	*	42601	17879	.0
26. P9-2	*	42601	17879	3.8
27. P9-3	*	42601	17879	7.7
28. P10-1	*	42585	17869	.0
29. P10-2	*	42585	17869	3.8
30. P10-3	*	42585	17869	7.7
31. P11-1	*	42564	18340	.0
32. P11-2	*	42564	18340	3.8
33. P11-3	*	42564	18340	7.7
34. P12-1	*	42548	18329	.0
35. P12-2	*	42548	18329	3.8
36. P12-3	*	42548	18329	7.7

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	*	BRG (DEG)	*	PRED CONC (PPM)	*	CONC/LINK (PPM) 0	1	2	3	4	5	6	7
1. P1-1	*	156.	*	.1616	*	.00	.00	.00	.00	.00	.00	.00	.00
2. P2-1	*	161.	*	.1572	*	.00	.00	.00	.00	.00	.00	.00	.00
3. P3-1	*	321.	*	.2017	*	.00	.00	.00	.00	.00	.00	.00	.00
4. P4-1	*	314.	*	.2013	*	.00	.00	.00	.00	.00	.00	.00	.00
5. P5-1	*	314.	*	.1981	*	.00	.00	.00	.00	.00	.00	.00	.00
6. P6-1	*	316.	*	.2017	*	.00	.00	.00	.00	.00	.00	.00	.00
7. P7-1	*	307.	*	.2018	*	.00	.00	.00	.00	.00	.00	.00	.00
8. P8-1	*	316.	*	.2402	*	.00	.00	.00	.00	.00	.00	.00	.00
9. P1-2	*	160.	*	.1721	*	.00	.00	.00	.00	.00	.00	.00	.00
10. P2-2	*	160.	*	.1641	*	.00	.00	.00	.00	.00	.00	.00	.00
11. P3-2	*	321.	*	.2141	*	.00	.00	.00	.00	.00	.00	.00	.00
12. P4-2	*	312.	*	.2073	*	.00	.00	.00	.00	.00	.00	.00	.00
13. P5-2	*	313.	*	.1939	*	.00	.00	.00	.00	.00	.00	.00	.00
14. P6-2	*	315.	*	.2068	*	.00	.00	.00	.00	.00	.00	.00	.00
15. P7-2	*	309.	*	.2048	*	.00	.00	.00	.00	.00	.00	.00	.00
16. P8-2	*	316.	*	.2729	*	.00	.00	.00	.00	.00	.00	.00	.00
17. P1-3	*	157.	*	.1663	*	.00	.00	.00	.00	.00	.00	.00	.00
18. P2-3	*	160.	*	.1585	*	.00	.00	.00	.00	.00	.00	.00	.00
19. P3-3	*	320.	*	.2131	*	.00	.00	.00	.00	.00	.00	.00	.00
20. P4-3	*	313.	*	.2052	*	.00	.00	.00	.00	.00	.00	.00	.00
21. P5-3	*	312.	*	.1876	*	.00	.00	.00	.00	.00	.00	.00	.00
22. P6-3	*	315.	*	.2110	*	.00	.00	.00	.00	.00	.00	.00	.00
23. P7-3	*	306.	*	.2068	*	.00	.00	.00	.00	.00	.00	.00	.00
24. P8-3	*	316.	*	.2761	*	.00	.00	.00	.00	.00	.00	.00	.00