Appendix - Air Quality

Air Quality

1. Background Concentrations
2. CAL3QHC Input Files (CO, PM10, PM2.5)
3. CAL3QHC Output Files (CO, PM10, PM2.5)
4. Microscale Results Summary

1. Background Concentrations

Summary of Background Concentrations

Carbon Monoxide (CO) Background Concentrations

Queens College (NYS Region 2)

Time Period	Background Concentration* (ppm)	Background Concentration* (Micrograms/meter3)	NAAQS Standard ug/m3 (ppm)
1-Hour	3.4	3,960	40,000 (35)
8-Hour	1.7	1,980	10,000 (9)
Calculated Persistance Factor	0.50		

Particulate Matter (PM2.5) Background Concentrations

New York State Ambient Air Quality Report, 2011
Babylon (NYSDEC Region1)

Time Period	Background Concentration* (ppm)	Background Concentration* (Micrograms/meter3)	NAAQS Standard ug/m3 (ppm)
24-Hour	-	23	35.0
Annual	-	8.5	15.0

* Average value of 2009,2010,2011

Particulate Matter (PM10) Background Concentrations

New York State Ambient Air Quality Report, 2011
Divison Street (NYSDCE Region 2)

Time Period	Background Concentration* (ppm)	Background Concentration* (Micrograms/meter3)	NAAQS Standard ug/m3 (ppm)
24-Hour	-	45.3	150.0

* Average value of 2009,2010,2011

Adjustment from 1-hour (DEP Standards, not project-specific)

Annual	24-Hour	8-Hour	3-Hour
0.08	**0.40**	**0.70**	**0.90**

2. CAL3QHC Input Files

a) CO

b) PM10

c) PM2.5

2.a CAL3QHC Input Files
Carbon Mondoxide (CO)

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'Ronkonkama'   60   175   0   0   55   0.3048   1   0
'LIE N/Hawk NE1'   3443.88   6057.47   6
'LIE N/Hawk NE2'   3441.99   5982.5   6
'LIE N/Hawk NE3'   3440.11   5907.52   6
'LIE N/Hawk NE4'   3514.28   5918.64   6
'LIE N/Hawk NE5'   3588.45   5929.76   6
'LIE N/Hawk SE1'   3590.32   5855.21   6
'LIE N/Hawk SE2'   3516.15   5844.09   6
'LIE N/Hawk SE3'   3441.98   5832.97   6
'LIE N/Hawk SE4'   3441.98   5757.97   6
'LIE N/Hawk SE5'   3441.98   5682.97   6
'LIE N/Hawk SW1'   3343.98   5669.13   6
'LIE N/Hawk SW2'   3343.98   5744.35   6
'LIE N/Hawk SW3'   3343.98   5819.13   6
'LIE N/Hawk SW4'   3269.65   5809.15   6
'LIE N/Hawk SW5'   3195.31   5799.16   6
'LIE N/Hawk NW1'   3199.08   5874.34   6
'LIE N/Hawk NW2'   3273.42   5884.32   6
'LIE N/Hawk NW3'   3347.75   5894.3   6
'LIE N/Hawk NW4'   3349.63   5969.27   6
'LIE N/Hawk NW5'   3351.51   6044.25   6
'LIE S/Hawk NE1'   3442.18   5637.26   6
'LIE S/Hawk NE2'   3440.02   5562.29   6
'LIE S/Hawk NE3'   3437.87   5487.32   6
'LIE S/Hawk NE4'   3506.8   5516.88   6
'LIE S/Hawk NE5'   3575.73   5546.45   6
'LIE S/Hawk SE1'   3567.47   5462.39   6
'LIE S/Hawk SE2'   3498.54   5432.82   6
'LIE S/Hawk SE3'   3429.61   5403.26   6
'LIE S/Hawk SE4'   3428.03   5328.27   6
'LIE S/Hawk SE5'   3426.44   5253.29   6
'LIE S/Hawk SW1'   3339.7   5219.15   6
'LIE S/Hawk SW2'   3341.28   5294.13   6
'LIE S/Hawk SW3'   3342.87   5369.12   6
'LIE S/Hawk SW4'   3272.67   5342.72   6
'LIE S/Hawk SW5'   3202.47   5316.32   6
'Hawk/Union NE1'   3417.13   4859.77   6
'Hawk/Union NE2'   3425.41   4785.26   6
'Hawk/Union NE3'   3433.7   4710.69   6
'Hawk/Union NE4'   3509.09   4721.17   6
'Hawk/Union NE5'   3582.27   4731.34   6
'Hawk/Union SE1'   3584.7   4656.96   6
'Hawk/Union SE2'   3510.41   4646.64   6
'Hawk/Union SE3'   3436.13   4636.32   6
'Hawk/Union SE4'   3444.81   4561.82   6
'Hawk/Union SE5'   3453   4487.27   6
'Hawk/Union W1'   3388.84   4506.46   6
'Hawk/Union W2'   3380.16   4580.96   6
'Hawk/Union W3'   3371.48   4655.45   6
'Hawk/Union W4'   3357.2   4729.08   6
'Hawk/Union W5'   3348.9   4803.74   6
'LIE S/Hawk NW1'   3198.26   5393.8   6
'LIE S/Hawk NW2'   3268.46   5420.19   6
'LIE S/Hawk NW3'   3338.66   5446.59   6
'LIE S/Hawk NW4'   3340.81   5521.56   6
'LIE S/Hawk NW5'   3342.97   5596.53   6
'EXISTING'   24   1   0   'C'
 2
'LIE N/Hawkins SB TTR'   'AG'   3375.06   5903.84   3376.91   6041.11   1   20   2
100   62   3   571   33.66   1600   1   3
 2
'LIE N/Hawk WB LTTR'   'AG'   3446.05   5872.52   3600.92   5899.23   1   30   3
100   50   3   678   33.66   1600   1   3
 2
'LIE N/Hawkins NB L'   'AG'   3393.34   5814.62   3391.43   5717.39   1   10   1
100   88   3   190   33.66   1600   1   3
 2
'LIE N/Hawkins NB TT'   'AG'   3416.23   5814.3   3415.91   5716.76   1   20   2
100   62   3   626   33.66   1600   1   3
 2
'LIE S/Hawkins SB L'   'AG'   3391.12   5495.92   3392.39   5586.16   1   10   1
100   78   3   335   33.66   1600   1   3
 2
'LIE S/Hawkins SB TT'   'AG'   3370.77   5481.62   3372.68   5585.84   1   20   2
100   75   3   308   33.66   1600   1   3
 2
'LIE S/Hawkins NB TTR'   'AG'   3405.1   5396.8   3402.87   5297.98   1   20   2
100   75   3   663   33.66   1600   1   3
 2
'LIE S/Hawk EB LTTR'   'AG'   3339.28   5401.89   3231.18   5361.53   1   30   3
100   50   3   2183   33.66   1600   1   3
 2
'Hawk/Union SB L'   'AG'   3390.64   4707.99   3384.87   4782.2   1   10   1
81   62   3   363   33.66   1600   1   3
 2
'Hawk/Union SB T'   'AG'   3377.83   4706.07   3370.15   4780.92   1   10   1
81   22   3   148   33.66   1600   1   3
 2
'Hawk/Union WB L'   'AG'   3438.01   4679.84   3503.31   4686.23   1   10   1
81   59   3   74   33.66   1600   1   3
 2
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'Hawk/Union WB R'   'AG'   3437.33   4691.34   3501.15   4700.39   1   10   1
81   40   3   417   33.66   1600   1   3
 2
'Hawk/Union NB TR'   'AG'   3412.48   4623.26   3422.65   4535.17   1   10   1
81   41   3   224   33.66   1600   1   3
 1
'LIE N/Hawkins N'   'AG'   3392.98   5863.04   3401.91   6218.76   1450   3.05   1   72
 1
'LIE N/Hawkins E'   'AG'   3392.98   5863.04   3735.38   5914.37   931   4.72   1   54
 1
'LIE N/Hawkins S'   'AG'   3392.98   5863.04   3392.98   5611.45   1459   3.05   1   78
 1
'LIE N/Hawkins W'   'AG'   3392.98   5863.04   3036.72   5815.2   796   4.72   1   54
 1
'LIE S/Hawkins N'   'AG'   3387.07   5425.27   3394.1   5670   1458   3.05   1   78
 1
'LIE S/Hawkins E'   'AG'   3387.07   5425.27   3651.88   5538.85   2191   4.72   1   54
 1
'LIE S/Hawkins S'   'AG'   3387.07   5425.27   3381.18   5147.08   1146   3.05   1   66
 1
'LIE S/Hawkins W'   'AG'   3387.07   5425.27   3108.17   5320.39   2183   4.72   1   54
 1
'Union/Hawkins N'   'AG'   3401.13   4668.81   3378.87   4869.05   641   3.05   1   54
 1
'Union/Hawkins E'   'AG'   3401.13   4668.81   3620.24   4699.26   941   3.05   1   54
 1
'Union/Hawkins S'   'AG'   3401.13   4668.81   3421.05   4497.85   533   3.05   1   42
1   0   4   1000   0   'Y'   5   0   72
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'Ronkonkama'   60   175   0   0   55   0.3048   1   0
'LIE N/Hawk NE1'   3443.88   6057.47   6
'LIE N/Hawk NE2'   3441.99   5982.5   6
'LIE N/Hawk NE3'   3440.11   5907.52   6
'LIE N/Hawk NE4'   3514.28   5918.64   6
'LIE N/Hawk NE5'   3588.45   5929.76   6
'LIE N/Hawk SE1'   3590.32   5855.21   6
'LIE N/Hawk SE2'   3516.15   5844.09   6
'LIE N/Hawk SE3'   3441.98   5832.97   6
'LIE N/Hawk SE4'   3441.98   5757.97   6
'LIE N/Hawk SE5'   3441.98   5682.97   6
'LIE N/Hawk SW1'   3343.98   5669.13   6
'LIE N/Hawk SW2'   3343.98   5744.35   6
'LIE N/Hawk SW3'   3343.98   5819.13   6
'LIE N/Hawk SW4'   3269.65   5809.15   6
'LIE N/Hawk SW5'   3195.31   5799.16   6
'LIE N/Hawk NW1'   3199.08   5874.34   6
'LIE N/Hawk NW2'   3273.42   5884.32   6
'LIE N/Hawk NW3'   3347.75   5894.3   6
'LIE N/Hawk NW4'   3349.63   5969.27   6
'LIE N/Hawk NW5'   3351.51   6044.25   6
'LIE S/Hawk NE1'   3442.18   5637.26   6
'LIE S/Hawk NE2'   3440.02   5562.29   6
'LIE S/Hawk NE3'   3437.87   5487.32   6
'LIE S/Hawk NE4'   3506.8   5516.88   6
'LIE S/Hawk NE5'   3575.73   5546.45   6
'LIE S/Hawk SE1'   3567.47   5462.39   6
'LIE S/Hawk SE2'   3498.54   5432.82   6
'LIE S/Hawk SE3'   3429.61   5403.26   6
'LIE S/Hawk SE4'   3428.03   5328.27   6
'LIE S/Hawk SE5'   3426.44   5253.29   6
'LIE S/Hawk SW1'   3339.7   5219.15   6
'LIE S/Hawk SW2'   3341.28   5294.13   6
'LIE S/Hawk SW3'   3342.87   5369.12   6
'LIE S/Hawk SW4'   3272.67   5342.72   6
'LIE S/Hawk SW5'   3202.47   5316.32   6
'Hawk/Union NE1'   3417.13   4859.77   6
'Hawk/Union NE2'   3425.41   4785.26   6
'Hawk/Union NE3'   3433.7   4710.69   6
'Hawk/Union NE4'   3509.09   4721.17   6
'Hawk/Union NE5'   3582.27   4731.34   6
'Hawk/Union SE1'   3584.7   4656.96   6
'Hawk/Union SE2'   3510.41   4646.64   6
'Hawk/Union SE3'   3436.13   4636.32   6
'Hawk/Union SE4'   3444.81   4561.82   6
'Hawk/Union SE5'   3453   4487.27   6
'Hawk/Union W1'   3388.84   4506.46   6
'Hawk/Union W2'   3380.16   4580.96   6
'Hawk/Union W3'   3371.48   4655.45   6
'Hawk/Union W4'   3357.2   4729.08   6
'Hawk/Union W5'   3348.9   4803.74   6
'LIE S/Hawk NW1'   3198.26   5393.8   6
'LIE S/Hawk NW2'   3268.46   5420.19   6
'LIE S/Hawk NW3'   3338.66   5446.59   6
'LIE S/Hawk NW4'   3340.81   5521.56   6
'LIE S/Hawk NW5'   3342.97   5596.53   6
'NOBUILD'   24   1   0   'C'
 2
'LIE N/Hawkins SB TTR'   'AG'   3375.06   5903.84   3376.91   6041.11   1   20   2
100   62   3   598   27.59   1600   1   3
 2
'LIE N/Hawk WB LTTR'   'AG'   3446.05   5872.52   3600.92   5899.23   1   30   3
100   50   3   710   27.59   1600   1   3
 2
'LIE N/Hawkins NB L'   'AG'   3393.34   5814.62   3391.43   5717.39   1   10   1
100   88   3   199   27.59   1600   1   3
 2
'LIE N/Hawkins NB TT'   'AG'   3416.23   5814.3   3415.91   5716.76   1   20   2
100   62   3   655   27.59   1600   1   3
 2
'LIE S/Hawkins SB L'   'AG'   3391.12   5495.92   3392.39   5586.16   1   10   1
100   78   3   351   27.59   1600   1   3
 2
'LIE S/Hawkins SB TT'   'AG'   3370.77   5481.62   3372.68   5585.84   1   20   2
100   75   3   323   27.59   1600   1   3
 2
'LIE S/Hawkins NB TTR'   'AG'   3405.1   5396.8   3402.87   5297.98   1   20   2
100   75   3   694   27.59   1600   1   3
 2
'LIE S/Hawk EB LTTR'   'AG'   3339.28   5401.89   3231.18   5361.53   1   30   3
100   50   3   2284   27.59   1600   1   3
 2
'Hawk/Union SB L'   'AG'   3390.64   4707.99   3384.87   4782.2   1   10   1
81   62   3   380   27.59   1600   1   3
 2
'Hawk/Union SB T'   'AG'   3377.83   4706.07   3370.15   4780.92   1   10   1
81   22   3   155   27.59   1600   1   3
 2
'Hawk/Union WB L'   'AG'   3438.01   4679.84   3503.31   4686.23   1   10   1
81   59   3   78   27.59   1600   1   3
 2
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'Hawk/Union WB R'   'AG'   3437.33   4691.34   3501.15   4700.39   1   10   1
81   40   3   436   27.59   1600   1   3
 2
'Hawk/Union NB TR'   'AG'   3412.48   4623.26   3422.65   4535.17   1   10   1
81   41   3   326   27.59   1600   1   3
 1
'LIE N/Hawkins N'   'AG'   3392.98   5863.04   3401.91   6218.76   1516   2.50   1   72
 1
'LIE N/Hawkins E'   'AG'   3392.98   5863.04   3735.38   5914.37   975   3.97   1   54
 1
'LIE N/Hawkins S'   'AG'   3392.98   5863.04   3392.98   5611.45   1527   2.50   1   78
 1
'LIE N/Hawkins W'   'AG'   3392.98   5863.04   3036.72   5815.2   834   3.97   1   54
 1
'LIE S/Hawkins N'   'AG'   3387.07   5425.27   3394.1   5670   1527   2.50   1   78
 1
'LIE S/Hawkins E'   'AG'   3387.07   5425.27   3651.88   5538.85   2293   3.97   1   54
 1
'LIE S/Hawkins S'   'AG'   3387.07   5425.27   3381.18   5147.08   1200   2.50   1   66
 1
'LIE S/Hawkins W'   'AG'   3387.07   5425.27   3108.17   5320.39   2284   3.97   1   54
 1
'Union/Hawkins N'   'AG'   3401.13   4668.81   3378.87   4869.05   1206   2.50   1   54
 1
'Union/Hawkins E'   'AG'   3401.13   4668.81   3620.24   4699.26   985   2.50   1   54
 1
'Union/Hawkins S'   'AG'   3401.13   4668.81   3421.05   4497.85   559   2.50   1   42
1   0   4   1000   0   'Y'   5   0   72
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'Ronkonkama'   60   175   0   0   55   0.3048   1   0
'LIE N/Hawk NE1'   3443.88   6057.47   6
'LIE N/Hawk NE2'   3441.99   5982.5   6
'LIE N/Hawk NE3'   3440.11   5907.52   6
'LIE N/Hawk NE4'   3514.28   5918.64   6
'LIE N/Hawk NE5'   3588.45   5929.76   6
'LIE N/Hawk SE1'   3590.32   5855.21   6
'LIE N/Hawk SE2'   3516.15   5844.09   6
'LIE N/Hawk SE3'   3441.98   5832.97   6
'LIE N/Hawk SE4'   3441.98   5757.97   6
'LIE N/Hawk SE5'   3441.98   5682.97   6
'LIE N/Hawk SW1'   3343.98   5669.13   6
'LIE N/Hawk SW2'   3343.98   5744.35   6
'LIE N/Hawk SW3'   3343.98   5819.13   6
'LIE N/Hawk SW4'   3269.65   5809.15   6
'LIE N/Hawk SW5'   3195.31   5799.16   6
'LIE N/Hawk NW1'   3199.08   5874.34   6
'LIE N/Hawk NW2'   3273.42   5884.32   6
'LIE N/Hawk NW3'   3347.75   5894.3   6
'LIE N/Hawk NW4'   3349.63   5969.27   6
'LIE N/Hawk NW5'   3351.51   6044.25   6
'LIE S/Hawk NE1'   3442.18   5637.26   6
'LIE S/Hawk NE2'   3440.02   5562.29   6
'LIE S/Hawk NE3'   3437.87   5487.32   6
'LIE S/Hawk NE4'   3506.8   5516.88   6
'LIE S/Hawk NE5'   3575.73   5546.45   6
'LIE S/Hawk SE1'   3567.47   5462.39   6
'LIE S/Hawk SE2'   3498.54   5432.82   6
'LIE S/Hawk SE3'   3429.61   5403.26   6
'LIE S/Hawk SE4'   3428.03   5328.27   6
'LIE S/Hawk SE5'   3426.44   5253.29   6
'LIE S/Hawk SW1'   3339.7   5219.15   6
'LIE S/Hawk SW2'   3341.28   5294.13   6
'LIE S/Hawk SW3'   3342.87   5369.12   6
'LIE S/Hawk SW4'   3272.67   5342.72   6
'LIE S/Hawk SW5'   3202.47   5316.32   6
'Hawk/Union NE1'   3417.13   4859.77   6
'Hawk/Union NE2'   3425.41   4785.26   6
'Hawk/Union NE3'   3433.7   4710.69   6
'Hawk/Union NE4'   3509.09   4721.17   6
'Hawk/Union NE5'   3582.27   4731.34   6
'Hawk/Union SE1'   3584.7   4656.96   6
'Hawk/Union SE2'   3510.41   4646.64   6
'Hawk/Union SE3'   3436.13   4636.32   6
'Hawk/Union SE4'   3444.81   4561.82   6
'Hawk/Union SE5'   3453   4487.27   6
'Hawk/Union W1'   3388.84   4506.46   6
'Hawk/Union W2'   3380.16   4580.96   6
'Hawk/Union W3'   3371.48   4655.45   6
'Hawk/Union W4'   3357.2   4729.08   6
'Hawk/Union W5'   3348.9   4803.74   6
'LIE S/Hawk NW1'   3198.26   5393.8   6
'LIE S/Hawk NW2'   3268.46   5420.19   6
'LIE S/Hawk NW3'   3338.66   5446.59   6
'LIE S/Hawk NW4'   3340.81   5521.56   6
'LIE S/Hawk NW5'   3342.97   5596.53   6
'BUILD'   24   1   0   'C'
 2
'LIE N/Hawkins SB TTR'   'AG'   3375.06   5903.84   3376.91   6041.11   1   20   2
100   62   3   676   27.59   1600   1   3
 2
'LIE N/Hawk WB LTTR'   'AG'   3446.05   5872.52   3600.92   5899.23   1   30   3
100   50   3   1092   27.59   1600   1   3
 2
'LIE N/Hawkins NB L'   'AG'   3393.34   5814.62   3391.43   5717.39   1   10   1
100   88   3   323   27.59   1600   1   3
 2
'LIE N/Hawkins NB TT'   'AG'   3416.23   5814.3   3415.91   5716.76   1   20   2
100   62   3   739   27.59   1600   1   3
 2
'LIE S/Hawkins SB L'   'AG'   3391.12   5495.92   3392.39   5586.16   1   10   1
100   78   3   390   27.59   1600   1   3
 2
'LIE S/Hawkins SB TT'   'AG'   3370.77   5481.62   3372.68   5585.84   1   20   2
100   75   3   479   27.59   1600   1   3
 2
'LIE S/Hawkins NB TTR'   'AG'   3405.1   5396.8   3402.87   5297.98   1   20   2
100   75   3   986   27.59   1600   1   3
 2
'LIE S/Hawk EB LTTR'   'AG'   3339.28   5401.89   3231.18   5361.53   1   30   3
100   50   3   2411   27.59   1600   1   3
 2
'Hawk/Union SB L'   'AG'   3390.64   4707.99   3384.87   4782.2   1   10   1
81   62   3   458   27.59   1600   1   3
 2
'Hawk/Union SB T'   'AG'   3377.83   4706.07   3370.15   4780.92   1   10   1
81   22   3   350   27.59   1600   1   3
 2
'Hawk/Union WB L'   'AG'   3438.01   4679.84   3503.31   4686.23   1   10   1
81   59   3   78   27.59   1600   1   3
 2
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'Hawk/Union WB R'   'AG'   3437.33   4691.34   3501.15   4700.39   1   10   1
81   40   3   520   27.59   1600   1   3
 2
'Hawk/Union NB TR'   'AG'   3412.48   4623.26   3422.65   4535.17   1   10   1
81   41   3   534   27.59   1600   1   3
 1
'LIE N/Hawkins N'   'AG'   3392.98   5863.04   3401.91   6218.76   1516   2.50   1   72
 1
'LIE N/Hawkins E'   'AG'   3392.98   5863.04   3735.38   5914.37   975   3.97   1   54
 1
'LIE N/Hawkins S'   'AG'   3392.98   5863.04   3392.98   5611.45   1527   2.50   1   78
 1
'LIE N/Hawkins W'   'AG'   3392.98   5863.04   3036.72   5815.2   834   3.97   1   54
 1
'LIE S/Hawkins N'   'AG'   3387.07   5425.27   3394.1   5670   1527   2.50   1   78
 1
'LIE S/Hawkins E'   'AG'   3387.07   5425.27   3651.88   5538.85   2293   3.97   1   54
 1
'LIE S/Hawkins S'   'AG'   3387.07   5425.27   3381.18   5147.08   1200   2.50   1   66
 1
'LIE S/Hawkins W'   'AG'   3387.07   5425.27   3108.17   5320.39   2284   3.97   1   54
 1
'Union/Hawkins N'   'AG'   3401.13   4668.81   3378.87   4869.05   1206   2.50   1   54
 1
'Union/Hawkins E'   'AG'   3401.13   4668.81   3620.24   4699.26   985   2.50   1   54
 1
'Union/Hawkins S'   'AG'   3401.13   4668.81   3421.05   4497.85   559   2.50   1   42
1   0   4   1000   0   'Y'   5   0   72
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2.b CAL3QHC Input Files
Particulate Matter 10 (PM_{10})

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'Ronkonkama'   60   175   0   0   55   0.3048   1   0
'LIE N/Hawk NE1'   3443.88   6057.47   6
'LIE N/Hawk NE2'   3441.99   5982.5   6
'LIE N/Hawk NE3'   3440.11   5907.52   6
'LIE N/Hawk NE4'   3514.28   5918.64   6
'LIE N/Hawk NE5'   3588.45   5929.76   6
'LIE N/Hawk SE1'   3590.32   5855.21   6
'LIE N/Hawk SE2'   3516.15   5844.09   6
'LIE N/Hawk SE3'   3441.98   5832.97   6
'LIE N/Hawk SE4'   3441.98   5757.97   6
'LIE N/Hawk SE5'   3441.98   5682.97   6
'LIE N/Hawk SW1'   3343.98   5669.13   6
'LIE N/Hawk SW2'   3343.98   5744.35   6
'LIE N/Hawk SW3'   3343.98   5819.13   6
'LIE N/Hawk SW4'   3269.65   5809.15   6
'LIE N/Hawk SW5'   3195.31   5799.16   6
'LIE N/Hawk NW1'   3199.08   5874.34   6
'LIE N/Hawk NW2'   3273.42   5884.32   6
'LIE N/Hawk NW3'   3347.75   5894.3   6
'LIE N/Hawk NW4'   3349.63   5969.27   6
'LIE N/Hawk NW5'   3351.51   6044.25   6
'LIE S/Hawk NE1'   3442.18   5637.26   6
'LIE S/Hawk NE2'   3440.02   5562.29   6
'LIE S/Hawk NE3'   3437.87   5487.32   6
'LIE S/Hawk NE4'   3506.8   5516.88   6
'LIE S/Hawk NE5'   3575.73   5546.45   6
'LIE S/Hawk SE1'   3567.47   5462.39   6
'LIE S/Hawk SE2'   3498.54   5432.82   6
'LIE S/Hawk SE3'   3429.61   5403.26   6
'LIE S/Hawk SE4'   3428.03   5328.27   6
'LIE S/Hawk SE5'   3426.44   5253.29   6
'LIE S/Hawk SW1'   3339.7   5219.15   6
'LIE S/Hawk SW2'   3341.28   5294.13   6
'LIE S/Hawk SW3'   3342.87   5369.12   6
'LIE S/Hawk SW4'   3272.67   5342.72   6
'LIE S/Hawk SW5'   3202.47   5316.32   6
'Hawk/Union NE1'   3417.13   4859.77   6
'Hawk/Union NE2'   3425.41   4785.26   6
'Hawk/Union NE3'   3433.7   4710.69   6
'Hawk/Union NE4'   3509.09   4721.17   6
'Hawk/Union NE5'   3582.27   4731.34   6
'Hawk/Union SE1'   3584.7   4656.96   6
'Hawk/Union SE2'   3510.41   4646.64   6
'Hawk/Union SE3'   3436.13   4636.32   6
'Hawk/Union SE4'   3444.81   4561.82   6
'Hawk/Union SE5'   3453   4487.27   6
'Hawk/Union W1'   3388.84   4506.46   6
'Hawk/Union W2'   3380.16   4580.96   6
'Hawk/Union W3'   3371.48   4655.45   6
'Hawk/Union W4'   3357.2   4729.08   6
'Hawk/Union W5'   3348.9   4803.74   6
'LIE S/Hawk NW1'   3198.26   5393.8   6
'LIE S/Hawk NW2'   3268.46   5420.19   6
'LIE S/Hawk NW3'   3338.66   5446.59   6
'LIE S/Hawk NW4'   3340.81   5521.56   6
'LIE S/Hawk NW5'   3342.97   5596.53   6
'EXISTING'   24   1   0   'P'
 2
'LIE N/Hawkins SB TTR'   'AG'   3375.06   5903.84   3376.91   6041.11   1   20   2
100   62   3   571   0.029   1600   1   3
 2
'LIE N/Hawk WB LTTR'   'AG'   3446.05   5872.52   3600.92   5899.23   1   30   3
100   50   3   678   0.029   1600   1   3
 2
'LIE N/Hawkins NB L'   'AG'   3393.34   5814.62   3391.43   5717.39   1   10   1
100   88   3   190   0.029   1600   1   3
 2
'LIE N/Hawkins NB TT'   'AG'   3416.23   5814.3   3415.91   5716.76   1   20   2
100   62   3   626   0.029   1600   1   3
 2
'LIE S/Hawkins SB L'   'AG'   3391.12   5495.92   3392.39   5586.16   1   10   1
100   78   3   335   0.029   1600   1   3
 2
'LIE S/Hawkins SB TT'   'AG'   3370.77   5481.62   3372.68   5585.84   1   20   2
100   75   3   308   0.029   1600   1   3
 2
'LIE S/Hawkins NB TTR'   'AG'   3405.1   5396.8   3402.87   5297.98   1   20   2
100   75   3   663   0.029   1600   1   3
 2
'LIE S/Hawk EB LTTR'   'AG'   3339.28   5401.89   3231.18   5361.53   1   30   3
100   50   3   2183   0.029   1600   1   3
 2
'Hawk/Union SB L'   'AG'   3390.64   4707.99   3384.87   4782.2   1   10   1
81   62   3   363   0.029   1600   1   3
 2
'Hawk/Union SB T'   'AG'   3377.83   4706.07   3370.15   4780.92   1   10   1
81   22   3   148   0.029   1600   1   3
 2
'Hawk/Union WB L'   'AG'   3438.01   4679.84   3503.31   4686.23   1   10   1
81   59   3   74   0.029   1600   1   3
 2
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'Hawk/Union WB R'   'AG'   3437.33   4691.34   3501.15   4700.39   1   10   1
81   40   3   417   0.029   1600   1   3
 2
'Hawk/Union NB TR'   'AG'   3412.48   4623.26   3422.65   4535.17   1   10   1
81   41   3   224   0.029   1600   1   3
 1
'LIE N/Hawkins N'   'AG'   3392.98   5863.04   3401.91   6218.76   1450   0.028   1   72
 1
'LIE N/Hawkins E'   'AG'   3392.98   5863.04   3735.38   5914.37   931   0.028   1   54
 1
'LIE N/Hawkins S'   'AG'   3392.98   5863.04   3392.98   5611.45   1459   0.028   1   78
 1
'LIE N/Hawkins W'   'AG'   3392.98   5863.04   3036.72   5815.2   796   0.028   1   54
 1
'LIE S/Hawkins N'   'AG'   3387.07   5425.27   3394.1   5670   1458   0.028   1   78
 1
'LIE S/Hawkins E'   'AG'   3387.07   5425.27   3651.88   5538.85   2191   0.028   1   54
 1
'LIE S/Hawkins S'   'AG'   3387.07   5425.27   3381.18   5147.08   1146   0.028   1   66
 1
'LIE S/Hawkins W'   'AG'   3387.07   5425.27   3108.17   5320.39   2183   0.028   1   54
 1
'Union/Hawkins N'   'AG'   3401.13   4668.81   3378.87   4869.05   641   0.028   1   54
 1
'Union/Hawkins E'   'AG'   3401.13   4668.81   3620.24   4699.26   941   0.028   1   54
 1
'Union/Hawkins S'   'AG'   3401.13   4668.81   3421.05   4497.85   533   0.028   1   42
1   0   4   1000   0   'Y'   5   0   72
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'Ronkonkama'   60   175   0   0   55   0.3048   1   0
'LIE N/Hawk NE1'   3443.88   6057.47   6
'LIE N/Hawk NE2'   3441.99   5982.5   6
'LIE N/Hawk NE3'   3440.11   5907.52   6
'LIE N/Hawk NE4'   3514.28   5918.64   6
'LIE N/Hawk NE5'   3588.45   5929.76   6
'LIE N/Hawk SE1'   3590.32   5855.21   6
'LIE N/Hawk SE2'   3516.15   5844.09   6
'LIE N/Hawk SE3'   3441.98   5832.97   6
'LIE N/Hawk SE4'   3441.98   5757.97   6
'LIE N/Hawk SE5'   3441.98   5682.97   6
'LIE N/Hawk SW1'   3343.98   5669.13   6
'LIE N/Hawk SW2'   3343.98   5744.35   6
'LIE N/Hawk SW3'   3343.98   5819.13   6
'LIE N/Hawk SW4'   3269.65   5809.15   6
'LIE N/Hawk SW5'   3195.31   5799.16   6
'LIE N/Hawk NW1'   3199.08   5874.34   6
'LIE N/Hawk NW2'   3273.42   5884.32   6
'LIE N/Hawk NW3'   3347.75   5894.3   6
'LIE N/Hawk NW4'   3349.63   5969.27   6
'LIE N/Hawk NW5'   3351.51   6044.25   6
'LIE S/Hawk NE1'   3442.18   5637.26   6
'LIE S/Hawk NE2'   3440.02   5562.29   6
'LIE S/Hawk NE3'   3437.87   5487.32   6
'LIE S/Hawk NE4'   3506.8   5516.88   6
'LIE S/Hawk NE5'   3575.73   5546.45   6
'LIE S/Hawk SE1'   3567.47   5462.39   6
'LIE S/Hawk SE2'   3498.54   5432.82   6
'LIE S/Hawk SE3'   3429.61   5403.26   6
'LIE S/Hawk SE4'   3428.03   5328.27   6
'LIE S/Hawk SE5'   3426.44   5253.29   6
'LIE S/Hawk SW1'   3339.7   5219.15   6
'LIE S/Hawk SW2'   3341.28   5294.13   6
'LIE S/Hawk SW3'   3342.87   5369.12   6
'LIE S/Hawk SW4'   3272.67   5342.72   6
'LIE S/Hawk SW5'   3202.47   5316.32   6
'Hawk/Union NE1'   3417.13   4859.77   6
'Hawk/Union NE2'   3425.41   4785.26   6
'Hawk/Union NE3'   3433.7   4710.69   6
'Hawk/Union NE4'   3509.09   4721.17   6
'Hawk/Union NE5'   3582.27   4731.34   6
'Hawk/Union SE1'   3584.7   4656.96   6
'Hawk/Union SE2'   3510.41   4646.64   6
'Hawk/Union SE3'   3436.13   4636.32   6
'Hawk/Union SE4'   3444.81   4561.82   6
'Hawk/Union SE5'   3453   4487.27   6
'Hawk/Union W1'   3388.84   4506.46   6
'Hawk/Union W2'   3380.16   4580.96   6
'Hawk/Union W3'   3371.48   4655.45   6
'Hawk/Union W4'   3357.2   4729.08   6
'Hawk/Union W5'   3348.9   4803.74   6
'LIE S/Hawk NW1'   3198.26   5393.8   6
'LIE S/Hawk NW2'   3268.46   5420.19   6
'LIE S/Hawk NW3'   3338.66   5446.59   6
'LIE S/Hawk NW4'   3340.81   5521.56   6
'LIE S/Hawk NW5'   3342.97   5596.53   6
'NOBUILD'   24   1   0   'P'
 2
'LIE N/Hawkins SB TTR'   'AG'   3375.06   5903.84   3376.91   6041.11   1   20   2
100   62   3   598   0.027   1600   1   3
 2
'LIE N/Hawk WB LTTR'   'AG'   3446.05   5872.52   3600.92   5899.23   1   30   3
100   50   3   710   0.027   1600   1   3
 2
'LIE N/Hawkins NB L'   'AG'   3393.34   5814.62   3391.43   5717.39   1   10   1
100   88   3   199   0.027   1600   1   3
 2
'LIE N/Hawkins NB TT'   'AG'   3416.23   5814.3   3415.91   5716.76   1   20   2
100   62   3   655   0.027   1600   1   3
 2
'LIE S/Hawkins SB L'   'AG'   3391.12   5495.92   3392.39   5586.16   1   10   1
100   78   3   351   0.027   1600   1   3
 2
'LIE S/Hawkins SB TT'   'AG'   3370.77   5481.62   3372.68   5585.84   1   20   2
100   75   3   323   0.027   1600   1   3
 2
'LIE S/Hawkins NB TTR'   'AG'   3405.1   5396.8   3402.87   5297.98   1   20   2
100   75   3   694   0.027   1600   1   3
 2
'LIE S/Hawk EB LTTR'   'AG'   3339.28   5401.89   3231.18   5361.53   1   30   3
100   50   3   2284   0.027   1600   1   3
 2
'Hawk/Union SB L'   'AG'   3390.64   4707.99   3384.87   4782.2   1   10   1
81   62   3   380   0.027   1600   1   3
 2
'Hawk/Union SB T'   'AG'   3377.83   4706.07   3370.15   4780.92   1   10   1
81   22   3   155   0.027   1600   1   3
 2
'Hawk/Union WB L'   'AG'   3438.01   4679.84   3503.31   4686.23   1   10   1
81   59   3   78   0.027   1600   1   3
 2
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'Hawk/Union WB R'   'AG'   3437.33   4691.34   3501.15   4700.39   1   10   1
81   40   3   436   0.027   1600   1   3
 2
'Hawk/Union NB TR'   'AG'   3412.48   4623.26   3422.65   4535.17   1   10   1
81   41   3   326   0.027   1600   1   3
 1
'LIE N/Hawkins N'   'AG'   3392.98   5863.04   3401.91   6218.76   1516   0.025   1   72
 1
'LIE N/Hawkins E'   'AG'   3392.98   5863.04   3735.38   5914.37   975   0.025   1   54
 1
'LIE N/Hawkins S'   'AG'   3392.98   5863.04   3392.98   5611.45   1527   0.025   1   78
 1
'LIE N/Hawkins W'   'AG'   3392.98   5863.04   3036.72   5815.2   834   0.025   1   54
 1
'LIE S/Hawkins N'   'AG'   3387.07   5425.27   3394.1   5670   1527   0.025   1   78
 1
'LIE S/Hawkins E'   'AG'   3387.07   5425.27   3651.88   5538.85   2293   0.025   1   54
 1
'LIE S/Hawkins S'   'AG'   3387.07   5425.27   3381.18   5147.08   1200   0.025   1   66
 1
'LIE S/Hawkins W'   'AG'   3387.07   5425.27   3108.17   5320.39   2284   0.025   1   54
 1
'Union/Hawkins N'   'AG'   3401.13   4668.81   3378.87   4869.05   1206   0.025   1   54
 1
'Union/Hawkins E'   'AG'   3401.13   4668.81   3620.24   4699.26   985   0.025   1   54
 1
'Union/Hawkins S'   'AG'   3401.13   4668.81   3421.05   4497.85   559   0.025   1   42
1   0   4   1000   0   'Y'   5   0   72
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'Ronkonkama'   60   175   0   0   55   0.3048   1   0
'LIE N/Hawk NE1'   3443.88   6057.47   6
'LIE N/Hawk NE2'   3441.99   5982.5   6
'LIE N/Hawk NE3'   3440.11   5907.52   6
'LIE N/Hawk NE4'   3514.28   5918.64   6
'LIE N/Hawk NE5'   3588.45   5929.76   6
'LIE N/Hawk SE1'   3590.32   5855.21   6
'LIE N/Hawk SE2'   3516.15   5844.09   6
'LIE N/Hawk SE3'   3441.98   5832.97   6
'LIE N/Hawk SE4'   3441.98   5757.97   6
'LIE N/Hawk SE5'   3441.98   5682.97   6
'LIE N/Hawk SW1'   3343.98   5669.13   6
'LIE N/Hawk SW2'   3343.98   5744.35   6
'LIE N/Hawk SW3'   3343.98   5819.13   6
'LIE N/Hawk SW4'   3269.65   5809.15   6
'LIE N/Hawk SW5'   3195.31   5799.16   6
'LIE N/Hawk NW1'   3199.08   5874.34   6
'LIE N/Hawk NW2'   3273.42   5884.32   6
'LIE N/Hawk NW3'   3347.75   5894.3   6
'LIE N/Hawk NW4'   3349.63   5969.27   6
'LIE N/Hawk NW5'   3351.51   6044.25   6
'LIE S/Hawk NE1'   3442.18   5637.26   6
'LIE S/Hawk NE2'   3440.02   5562.29   6
'LIE S/Hawk NE3'   3437.87   5487.32   6
'LIE S/Hawk NE4'   3506.8   5516.88   6
'LIE S/Hawk NE5'   3575.73   5546.45   6
'LIE S/Hawk SE1'   3567.47   5462.39   6
'LIE S/Hawk SE2'   3498.54   5432.82   6
'LIE S/Hawk SE3'   3429.61   5403.26   6
'LIE S/Hawk SE4'   3428.03   5328.27   6
'LIE S/Hawk SE5'   3426.44   5253.29   6
'LIE S/Hawk SW1'   3339.7   5219.15   6
'LIE S/Hawk SW2'   3341.28   5294.13   6
'LIE S/Hawk SW3'   3342.87   5369.12   6
'LIE S/Hawk SW4'   3272.67   5342.72   6
'LIE S/Hawk SW5'   3202.47   5316.32   6
'Hawk/Union NE1'   3417.13   4859.77   6
'Hawk/Union NE2'   3425.41   4785.26   6
'Hawk/Union NE3'   3433.7   4710.69   6
'Hawk/Union NE4'   3509.09   4721.17   6
'Hawk/Union NE5'   3582.27   4731.34   6
'Hawk/Union SE1'   3584.7   4656.96   6
'Hawk/Union SE2'   3510.41   4646.64   6
'Hawk/Union SE3'   3436.13   4636.32   6
'Hawk/Union SE4'   3444.81   4561.82   6
'Hawk/Union SE5'   3453   4487.27   6
'Hawk/Union W1'   3388.84   4506.46   6
'Hawk/Union W2'   3380.16   4580.96   6
'Hawk/Union W3'   3371.48   4655.45   6
'Hawk/Union W4'   3357.2   4729.08   6
'Hawk/Union W5'   3348.9   4803.74   6
'LIE S/Hawk NW1'   3198.26   5393.8   6
'LIE S/Hawk NW2'   3268.46   5420.19   6
'LIE S/Hawk NW3'   3338.66   5446.59   6
'LIE S/Hawk NW4'   3340.81   5521.56   6
'LIE S/Hawk NW5'   3342.97   5596.53   6
'BUILD'   24   1   0   'P'
 2
'LIE N/Hawkins SB TTR'   'AG'   3375.06   5903.84   3376.91   6041.11   1   20   2
100   62   3   676   0.027   1600   1   3
 2
'LIE N/Hawk WB LTTR'   'AG'   3446.05   5872.52   3600.92   5899.23   1   30   3
100   50   3   1092   0.027   1600   1   3
 2
'LIE N/Hawkins NB L'   'AG'   3393.34   5814.62   3391.43   5717.39   1   10   1
100   88   3   323   0.027   1600   1   3
 2
'LIE N/Hawkins NB TT'   'AG'   3416.23   5814.3   3415.91   5716.76   1   20   2
100   62   3   739   0.027   1600   1   3
 2
'LIE S/Hawkins SB L'   'AG'   3391.12   5495.92   3392.39   5586.16   1   10   1
100   78   3   390   0.027   1600   1   3
 2
'LIE S/Hawkins SB TT'   'AG'   3370.77   5481.62   3372.68   5585.84   1   20   2
100   75   3   479   0.027   1600   1   3
 2
'LIE S/Hawkins NB TTR'   'AG'   3405.1   5396.8   3402.87   5297.98   1   20   2
100   75   3   986   0.027   1600   1   3
 2
'LIE S/Hawk EB LTTR'   'AG'   3339.28   5401.89   3231.18   5361.53   1   30   3
100   50   3   2411   0.027   1600   1   3
 2
'Hawk/Union SB L'   'AG'   3390.64   4707.99   3384.87   4782.2   1   10   1
81   62   3   458   0.027   1600   1   3
 2
'Hawk/Union SB T'   'AG'   3377.83   4706.07   3370.15   4780.92   1   10   1
81   22   3   350   0.027   1600   1   3
 2
'Hawk/Union WB L'   'AG'   3438.01   4679.84   3503.31   4686.23   1   10   1
81   59   3   78   0.027   1600   1   3
 2
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'Hawk/Union WB R'   'AG'   3437.33   4691.34   3501.15   4700.39   1   10   1
81   40   3   520   0.027   1600   1   3
 2
'Hawk/Union NB TR'   'AG'   3412.48   4623.26   3422.65   4535.17   1   10   1
81   41   3   534   0.027   1600   1   3
 1
'LIE N/Hawkins N'   'AG'   3392.98   5863.04   3401.91   6218.76   1516   0.025   1   72
 1
'LIE N/Hawkins E'   'AG'   3392.98   5863.04   3735.38   5914.37   975   0.025   1   54
 1
'LIE N/Hawkins S'   'AG'   3392.98   5863.04   3392.98   5611.45   1527   0.025   1   78
 1
'LIE N/Hawkins W'   'AG'   3392.98   5863.04   3036.72   5815.2   834   0.025   1   54
 1
'LIE S/Hawkins N'   'AG'   3387.07   5425.27   3394.1   5670   1527   0.025   1   78
 1
'LIE S/Hawkins E'   'AG'   3387.07   5425.27   3651.88   5538.85   2293   0.025   1   54
 1
'LIE S/Hawkins S'   'AG'   3387.07   5425.27   3381.18   5147.08   1200   0.025   1   66
 1
'LIE S/Hawkins W'   'AG'   3387.07   5425.27   3108.17   5320.39   2284   0.025   1   54
 1
'Union/Hawkins N'   'AG'   3401.13   4668.81   3378.87   4869.05   1206   0.025   1   54
 1
'Union/Hawkins E'   'AG'   3401.13   4668.81   3620.24   4699.26   985   0.025   1   54
 1
'Union/Hawkins S'   'AG'   3401.13   4668.81   3421.05   4497.85   559   0.025   1   42
1   0   4   1000   0   'Y'   5   0   72
```

2.c CAL3QHC Input Files
Particulate Matter 2.5 ($PM_{2.5}$)

```
'Ronkonkama'   60   175   0   0   55   0.3048   1   0
'LIE N/Hawk NE1'   3443.88   6057.47   6
'LIE N/Hawk NE2'   3441.99   5982.5   6
'LIE N/Hawk NE3'   3440.11   5907.52   6
'LIE N/Hawk NE4'   3514.28   5918.64   6
'LIE N/Hawk NE5'   3588.45   5929.76   6
'LIE N/Hawk SE1'   3590.32   5855.21   6
'LIE N/Hawk SE2'   3516.15   5844.09   6
'LIE N/Hawk SE3'   3441.98   5832.97   6
'LIE N/Hawk SE4'   3441.98   5757.97   6
'LIE N/Hawk SE5'   3441.98   5682.97   6
'LIE N/Hawk SW1'   3343.98   5669.13   6
'LIE N/Hawk SW2'   3343.98   5744.35   6
'LIE N/Hawk SW3'   3343.98   5819.13   6
'LIE N/Hawk SW4'   3269.65   5809.15   6
'LIE N/Hawk SW5'   3195.31   5799.16   6
'LIE N/Hawk NW1'   3199.08   5874.34   6
'LIE N/Hawk NW2'   3273.42   5884.32   6
'LIE N/Hawk NW3'   3347.75   5894.3   6
'LIE N/Hawk NW4'   3349.63   5969.27   6
'LIE N/Hawk NW5'   3351.51   6044.25   6
'LIE S/Hawk NE1'   3442.18   5637.26   6
'LIE S/Hawk NE2'   3440.02   5562.29   6
'LIE S/Hawk NE3'   3437.87   5487.32   6
'LIE S/Hawk NE4'   3506.8   5516.88   6
'LIE S/Hawk NE5'   3575.73   5546.45   6
'LIE S/Hawk SE1'   3567.47   5462.39   6
'LIE S/Hawk SE2'   3498.54   5432.82   6
'LIE S/Hawk SE3'   3429.61   5403.26   6
'LIE S/Hawk SE4'   3428.03   5328.27   6
'LIE S/Hawk SE5'   3426.44   5253.29   6
'LIE S/Hawk SW1'   3339.7   5219.15   6
'LIE S/Hawk SW2'   3341.28   5294.13   6
'LIE S/Hawk SW3'   3342.87   5369.12   6
'LIE S/Hawk SW4'   3272.67   5342.72   6
'LIE S/Hawk SW5'   3202.47   5316.32   6
'Hawk/Union NE1'   3417.13   4859.77   6
'Hawk/Union NE2'   3425.41   4785.26   6
'Hawk/Union NE3'   3433.7   4710.69   6
'Hawk/Union NE4'   3509.09   4721.17   6
'Hawk/Union NE5'   3582.27   4731.34   6
'Hawk/Union SE1'   3584.7   4656.96   6
'Hawk/Union SE2'   3510.41   4646.64   6
'Hawk/Union SE3'   3436.13   4636.32   6
'Hawk/Union SE4'   3444.81   4561.82   6
'Hawk/Union SE5'   3453   4487.27   6
'Hawk/Union W1'   3388.84   4506.46   6
'Hawk/Union W2'   3380.16   4580.96   6
'Hawk/Union W3'   3371.48   4655.45   6
'Hawk/Union W4'   3357.2   4729.08   6
'Hawk/Union W5'   3348.9   4803.74   6
'LIE S/Hawk NW1'   3198.26   5393.8   6
'LIE S/Hawk NW2'   3268.46   5420.19   6
'LIE S/Hawk NW3'   3338.66   5446.59   6
'LIE S/Hawk NW4'   3340.81   5521.56   6
'LIE S/Hawk NW5'   3342.97   5596.53   6
'EXISTING'   24   1   0   'P'
 2
'LIE N/Hawkins SB TTR'   'AG'   3375.06   5903.84   3376.91   6041.11   1   20   2
100   62   3   571   0.026   1600   1   3
 2
'LIE N/Hawk WB LTTR'   'AG'   3446.05   5872.52   3600.92   5899.23   1   30   3
100   50   3   678   0.026   1600   1   3
 2
'LIE N/Hawkins NB L'   'AG'   3393.34   5814.62   3391.43   5717.39   1   10   1
100   88   3   190   0.026   1600   1   3
 2
'LIE N/Hawkins NB TT'   'AG'   3416.23   5814.3   3415.91   5716.76   1   20   2
100   62   3   626   0.026   1600   1   3
 2
'LIE S/Hawkins SB L'   'AG'   3391.12   5495.92   3392.39   5586.16   1   10   1
100   78   3   335   0.026   1600   1   3
 2
'LIE S/Hawkins SB TT'   'AG'   3370.77   5481.62   3372.68   5585.84   1   20   2
100   75   3   308   0.026   1600   1   3
 2
'LIE S/Hawkins NB TTR'   'AG'   3405.1   5396.8   3402.87   5297.98   1   20   2
100   75   3   663   0.026   1600   1   3
 2
'LIE S/Hawk EB LTTR'   'AG'   3339.28   5401.89   3231.18   5361.53   1   30   3
100   50   3   2183   0.026   1600   1   3
 2
'Hawk/Union SB L'   'AG'   3390.64   4707.99   3384.87   4782.2   1   10   1
81   62   3   363   0.026   1600   1   3
 2
'Hawk/Union SB T'   'AG'   3377.83   4706.07   3370.15   4780.92   1   10   1
81   22   3   148   0.026   1600   1   3
 2
'Hawk/Union WB L'   'AG'   3438.01   4679.84   3503.31   4686.23   1   10   1
81   59   3   74   0.026   1600   1   3
 2
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'Hawk/Union WB R'   'AG'   3437.33   4691.34   3501.15   4700.39   1   10   1
81   40   3   417   0.026   1600   1   3
 2
'Hawk/Union NB TR'   'AG'   3412.48   4623.26   3422.65   4535.17   1   10   1
81   41   3   224   0.026   1600   1   3
 1
'LIE N/Hawkins N'   'AG'   3392.98   5863.04   3401.91   6218.76   1450   0.012   1   72
 1
'LIE N/Hawkins E'   'AG'   3392.98   5863.04   3735.38   5914.37   931   0.012   1   54
 1
'LIE N/Hawkins S'   'AG'   3392.98   5863.04   3392.98   5611.45   1459   0.012   1   78
 1
'LIE N/Hawkins W'   'AG'   3392.98   5863.04   3036.72   5815.2   796   0.012   1   54
 1
'LIE S/Hawkins N'   'AG'   3387.07   5425.27   3394.1   5670   1458   0.012   1   78
 1
'LIE S/Hawkins E'   'AG'   3387.07   5425.27   3651.88   5538.85   2191   0.012   1   54
 1
'LIE S/Hawkins S'   'AG'   3387.07   5425.27   3381.18   5147.08   1146   0.012   1   66
 1
'LIE S/Hawkins W'   'AG'   3387.07   5425.27   3108.17   5320.39   2183   0.012   1   54
 1
'Union/Hawkins N'   'AG'   3401.13   4668.81   3378.87   4869.05   641   0.012   1   54
 1
'Union/Hawkins E'   'AG'   3401.13   4668.81   3620.24   4699.26   941   0.012   1   54
 1
'Union/Hawkins S'   'AG'   3401.13   4668.81   3421.05   4497.85   533   0.012   1   42
1   0   4   1000   0   'Y'   5   0   72
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'Ronkonkama'   60   175   0   0   55   0.3048   1   0
'LIE N/Hawk NE1'   3443.88   6057.47   6
'LIE N/Hawk NE2'   3441.99   5982.5   6
'LIE N/Hawk NE3'   3440.11   5907.52   6
'LIE N/Hawk NE4'   3514.28   5918.64   6
'LIE N/Hawk NE5'   3588.45   5929.76   6
'LIE N/Hawk SE1'   3590.32   5855.21   6
'LIE N/Hawk SE2'   3516.15   5844.09   6
'LIE N/Hawk SE3'   3441.98   5832.97   6
'LIE N/Hawk SE4'   3441.98   5757.97   6
'LIE N/Hawk SE5'   3441.98   5682.97   6
'LIE N/Hawk SW1'   3343.98   5669.13   6
'LIE N/Hawk SW2'   3343.98   5744.35   6
'LIE N/Hawk SW3'   3343.98   5819.13   6
'LIE N/Hawk SW4'   3269.65   5809.15   6
'LIE N/Hawk SW5'   3195.31   5799.16   6
'LIE N/Hawk NW1'   3199.08   5874.34   6
'LIE N/Hawk NW2'   3273.42   5884.32   6
'LIE N/Hawk NW3'   3347.75   5894.3   6
'LIE N/Hawk NW4'   3349.63   5969.27   6
'LIE N/Hawk NW5'   3351.51   6044.25   6
'LIE S/Hawk NE1'   3442.18   5637.26   6
'LIE S/Hawk NE2'   3440.02   5562.29   6
'LIE S/Hawk NE3'   3437.87   5487.32   6
'LIE S/Hawk NE4'   3506.8   5516.88   6
'LIE S/Hawk NE5'   3575.73   5546.45   6
'LIE S/Hawk SE1'   3567.47   5462.39   6
'LIE S/Hawk SE2'   3498.54   5432.82   6
'LIE S/Hawk SE3'   3429.61   5403.26   6
'LIE S/Hawk SE4'   3428.03   5328.27   6
'LIE S/Hawk SE5'   3426.44   5253.29   6
'LIE S/Hawk SW1'   3339.7   5219.15   6
'LIE S/Hawk SW2'   3341.28   5294.13   6
'LIE S/Hawk SW3'   3342.87   5369.12   6
'LIE S/Hawk SW4'   3272.67   5342.72   6
'LIE S/Hawk SW5'   3202.47   5316.32   6
'Hawk/Union NE1'   3417.13   4859.77   6
'Hawk/Union NE2'   3425.41   4785.26   6
'Hawk/Union NE3'   3433.7   4710.69   6
'Hawk/Union NE4'   3509.09   4721.17   6
'Hawk/Union NE5'   3582.27   4731.34   6
'Hawk/Union SE1'   3584.7   4656.96   6
'Hawk/Union SE2'   3510.41   4646.64   6
'Hawk/Union SE3'   3436.13   4636.32   6
'Hawk/Union SE4'   3444.81   4561.82   6
'Hawk/Union SE5'   3453   4487.27   6
'Hawk/Union W1'   3388.84   4506.46   6
'Hawk/Union W2'   3380.16   4580.96   6
'Hawk/Union W3'   3371.48   4655.45   6
'Hawk/Union W4'   3357.2   4729.08   6
'Hawk/Union W5'   3348.9   4803.74   6
'LIE S/Hawk NW1'   3198.26   5393.8   6
'LIE S/Hawk NW2'   3268.46   5420.19   6
'LIE S/Hawk NW3'   3338.66   5446.59   6
'LIE S/Hawk NW4'   3340.81   5521.56   6
'LIE S/Hawk NW5'   3342.97   5596.53   6
'NOBUILD'   24   1   0   'P'
 2
'LIE N/Hawkins SB TTR'   'AG'   3375.06   5903.84   3376.91   6041.11   1   20   2
100   62   3   598   0.025   1600   1   3
 2
'LIE N/Hawk WB LTTR'   'AG'   3446.05   5872.52   3600.92   5899.23   1   30   3
100   50   3   710   0.025   1600   1   3
 2
'LIE N/Hawkins NB L'   'AG'   3393.34   5814.62   3391.43   5717.39   1   10   1
100   88   3   199   0.025   1600   1   3
 2
'LIE N/Hawkins NB TT'   'AG'   3416.23   5814.3   3415.91   5716.76   1   20   2
100   62   3   655   0.025   1600   1   3
 2
'LIE S/Hawkins SB L'   'AG'   3391.12   5495.92   3392.39   5586.16   1   10   1
100   78   3   351   0.025   1600   1   3
 2
'LIE S/Hawkins SB TT'   'AG'   3370.77   5481.62   3372.68   5585.84   1   20   2
100   75   3   323   0.025   1600   1   3
 2
'LIE S/Hawkins NB TTR'   'AG'   3405.1   5396.8   3402.87   5297.98   1   20   2
100   75   3   694   0.025   1600   1   3
 2
'LIE S/Hawk EB LTTR'   'AG'   3339.28   5401.89   3231.18   5361.53   1   30   3
100   50   3   2284   0.025   1600   1   3
 2
'Hawk/Union SB L'   'AG'   3390.64   4707.99   3384.87   4782.2   1   10   1
81   62   3   380   0.025   1600   1   3
 2
'Hawk/Union SB T'   'AG'   3377.83   4706.07   3370.15   4780.92   1   10   1
81   22   3   155   0.025   1600   1   3
 2
'Hawk/Union WB L'   'AG'   3438.01   4679.84   3503.31   4686.23   1   10   1
81   59   3   78   0.025   1600   1   3
 2
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'Hawk/Union WB R'   'AG'   3437.33   4691.34   3501.15   4700.39   1   10   1
81   40   3   436   0.025   1600   1   3
 2
'Hawk/Union NB TR'   'AG'   3412.48   4623.26   3422.65   4535.17   1   10   1
81   41   3   326   0.025   1600   1   3
 1
'LIE N/Hawkins N'   'AG'   3392.98   5863.04   3401.91   6218.76   1516   0.010   1   72
 1
'LIE N/Hawkins E'   'AG'   3392.98   5863.04   3735.38   5914.37   975   0.010   1   54
 1
'LIE N/Hawkins S'   'AG'   3392.98   5863.04   3392.98   5611.45   1527   0.010   1   78
 1
'LIE N/Hawkins W'   'AG'   3392.98   5863.04   3036.72   5815.2   834   0.010   1   54
 1
'LIE S/Hawkins N'   'AG'   3387.07   5425.27   3394.1   5670   1527   0.010   1   78
 1
'LIE S/Hawkins E'   'AG'   3387.07   5425.27   3651.88   5538.85   2293   0.010   1   54
 1
'LIE S/Hawkins S'   'AG'   3387.07   5425.27   3381.18   5147.08   1200   0.010   1   66
 1
'LIE S/Hawkins W'   'AG'   3387.07   5425.27   3108.17   5320.39   2284   0.010   1   54
 1
'Union/Hawkins N'   'AG'   3401.13   4668.81   3378.87   4869.05   1206   0.010   1   54
 1
'Union/Hawkins E'   'AG'   3401.13   4668.81   3620.24   4699.26   985   0.010   1   54
 1
'Union/Hawkins S'   'AG'   3401.13   4668.81   3421.05   4497.85   559   0.010   1   42
1   0   4   1000   0   'Y'   5   0   72
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'Ronkonkama'   60   175   0   0   55   0.3048   1   0
'LIE N/Hawk NE1'   3443.88   6057.47   6
'LIE N/Hawk NE2'   3441.99   5982.5   6
'LIE N/Hawk NE3'   3440.11   5907.52   6
'LIE N/Hawk NE4'   3514.28   5918.64   6
'LIE N/Hawk NE5'   3588.45   5929.76   6
'LIE N/Hawk SE1'   3590.32   5855.21   6
'LIE N/Hawk SE2'   3516.15   5844.09   6
'LIE N/Hawk SE3'   3441.98   5832.97   6
'LIE N/Hawk SE4'   3441.98   5757.97   6
'LIE N/Hawk SE5'   3441.98   5682.97   6
'LIE N/Hawk SW1'   3343.98   5669.13   6
'LIE N/Hawk SW2'   3343.98   5744.35   6
'LIE N/Hawk SW3'   3343.98   5819.13   6
'LIE N/Hawk SW4'   3269.65   5809.15   6
'LIE N/Hawk SW5'   3195.31   5799.16   6
'LIE N/Hawk NW1'   3199.08   5874.34   6
'LIE N/Hawk NW2'   3273.42   5884.32   6
'LIE N/Hawk NW3'   3347.75   5894.3   6
'LIE N/Hawk NW4'   3349.63   5969.27   6
'LIE N/Hawk NW5'   3351.51   6044.25   6
'LIE S/Hawk NE1'   3442.18   5637.26   6
'LIE S/Hawk NE2'   3440.02   5562.29   6
'LIE S/Hawk NE3'   3437.87   5487.32   6
'LIE S/Hawk NE4'   3506.8   5516.88   6
'LIE S/Hawk NE5'   3575.73   5546.45   6
'LIE S/Hawk SE1'   3567.47   5462.39   6
'LIE S/Hawk SE2'   3498.54   5432.82   6
'LIE S/Hawk SE3'   3429.61   5403.26   6
'LIE S/Hawk SE4'   3428.03   5328.27   6
'LIE S/Hawk SE5'   3426.44   5253.29   6
'LIE S/Hawk SW1'   3339.7   5219.15   6
'LIE S/Hawk SW2'   3341.28   5294.13   6
'LIE S/Hawk SW3'   3342.87   5369.12   6
'LIE S/Hawk SW4'   3272.67   5342.72   6
'LIE S/Hawk SW5'   3202.47   5316.32   6
'Hawk/Union NE1'   3417.13   4859.77   6
'Hawk/Union NE2'   3425.41   4785.26   6
'Hawk/Union NE3'   3433.7   4710.69   6
'Hawk/Union NE4'   3509.09   4721.17   6
'Hawk/Union NE5'   3582.27   4731.34   6
'Hawk/Union SE1'   3584.7   4656.96   6
'Hawk/Union SE2'   3510.41   4646.64   6
'Hawk/Union SE3'   3436.13   4636.32   6
'Hawk/Union SE4'   3444.81   4561.82   6
'Hawk/Union SE5'   3453   4487.27   6
'Hawk/Union W1'   3388.84   4506.46   6
'Hawk/Union W2'   3380.16   4580.96   6
'Hawk/Union W3'   3371.48   4655.45   6
'Hawk/Union W4'   3357.2   4729.08   6
'Hawk/Union W5'   3348.9   4803.74   6
'LIE S/Hawk NW1'   3198.26   5393.8   6
'LIE S/Hawk NW2'   3268.46   5420.19   6
'LIE S/Hawk NW3'   3338.66   5446.59   6
'LIE S/Hawk NW4'   3340.81   5521.56   6
'LIE S/Hawk NW5'   3342.97   5596.53   6
'BUILD'   24   1   0   'P'
 2
'LIE N/Hawkins SB TTR'   'AG'   3375.06   5903.84   3376.91   6041.11   1   20   2
100   62   3   676   0.025   1600   1   3
 2
'LIE N/Hawk WB LTTR'   'AG'   3446.05   5872.52   3600.92   5899.23   1   30   3
100   50   3   1092   0.025   1600   1   3
 2
'LIE N/Hawkins NB L'   'AG'   3393.34   5814.62   3391.43   5717.39   1   10   1
100   88   3   323   0.025   1600   1   3
 2
'LIE N/Hawkins NB TT'   'AG'   3416.23   5814.3   3415.91   5716.76   1   20   2
100   62   3   739   0.025   1600   1   3
 2
'LIE S/Hawkins SB L'   'AG'   3391.12   5495.92   3392.39   5586.16   1   10   1
100   78   3   390   0.025   1600   1   3
 2
'LIE S/Hawkins SB TT'   'AG'   3370.77   5481.62   3372.68   5585.84   1   20   2
100   75   3   479   0.025   1600   1   3
 2
'LIE S/Hawkins NB TTR'   'AG'   3405.1   5396.8   3402.87   5297.98   1   20   2
100   75   3   986   0.025   1600   1   3
 2
'LIE S/Hawk EB LTTR'   'AG'   3339.28   5401.89   3231.18   5361.53   1   30   3
100   50   3   2411   0.025   1600   1   3
 2
'Hawk/Union SB L'   'AG'   3390.64   4707.99   3384.87   4782.2   1   10   1
81   62   3   458   0.025   1600   1   3
 2
'Hawk/Union SB T'   'AG'   3377.83   4706.07   3370.15   4780.92   1   10   1
81   22   3   350   0.025   1600   1   3
 2
'Hawk/Union WB L'   'AG'   3438.01   4679.84   3503.31   4686.23   1   10   1
81   59   3   78   0.025   1600   1   3
 2
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'Hawk/Union WB R'   'AG'   3437.33   4691.34   3501.15   4700.39   1   10   1
81   40   3   520   0.025   1600   1   3
 2
'Hawk/Union NB TR'   'AG'   3412.48   4623.26   3422.65   4535.17   1   10   1
81   41   3   534   0.025   1600   1   3
 1
'LIE N/Hawkins N'   'AG'   3392.98   5863.04   3401.91   6218.76   1516   0.010   1   72
 1
'LIE N/Hawkins E'   'AG'   3392.98   5863.04   3735.38   5914.37   975   0.010   1   54
 1
'LIE N/Hawkins S'   'AG'   3392.98   5863.04   3392.98   5611.45   1527   0.010   1   78
 1
'LIE N/Hawkins W'   'AG'   3392.98   5863.04   3036.72   5815.2   834   0.010   1   54
 1
'LIE S/Hawkins N'   'AG'   3387.07   5425.27   3394.1   5670   1527   0.010   1   78
 1
'LIE S/Hawkins E'   'AG'   3387.07   5425.27   3651.88   5538.85   2293   0.010   1   54
 1
'LIE S/Hawkins S'   'AG'   3387.07   5425.27   3381.18   5147.08   1200   0.010   1   66
 1
'LIE S/Hawkins W'   'AG'   3387.07   5425.27   3108.17   5320.39   2284   0.010   1   54
 1
'Union/Hawkins N'   'AG'   3401.13   4668.81   3378.87   4869.05   1206   0.010   1   54
 1
'Union/Hawkins E'   'AG'   3401.13   4668.81   3620.24   4699.26   985   0.010   1   54
 1
'Union/Hawkins S'   'AG'   3401.13   4668.81   3421.05   4497.85   559   0.010   1   42
1   0   4   1000   0   'Y'   5   0   72
```

3. CAL3QHC Output Files

a) CO

b) PM10

c) PM2.5

3.a CAL3QHC Output Files Carbon Mondoxide (CO)

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

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 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.	LIE N/Hawkins SB TTR	*	3375.1	5903.8	3376.4	6000.5	*	97.	1.	AG	112.	100.0	1.0	20.0	0.54	4.9
2.	LIE N/Hawk WB LTTR	*	3446.1	5872.5	3506.9	5883.0	*	62.	80.	AG	135.	100.0	1.0	30.0	0.31	3.1
3.	LIE N/Hawkins NB L	*	3393.3	5814.6	3374.7	4867.9	*	947.	181.	AG	79.	100.0	1.0	10.0	1.70	48.1
4.	LIE N/Hawkins NB TT	*	3416.2	5814.3	3415.9	5708.2	*	106.	180.	AG	112.	100.0	1.0	20.0	0.59	5.4
5.	LIE S/Hawkins SB L	*	3391.1	5495.9	3403.3	6357.9	*	862.	1.	AG	70.	100.0	1.0	10.0	1.23	43.8
6.	LIE S/Hawkins SB TT	*	3370.8	5481.6	3371.9	5544.8	*	63.	1.	AG	135.	100.0	1.0	20.0	0.48	3.2
7.	LIE S/Hawkins NB TTR	*	3405.1	5396.8	3397.6	5062.7	*	334.	181.	AG	135.	100.0	1.0	20.0	1.03	17.0
8.	LIE S/Hawk EB LTTR	*	3339.3	5401.9	2964.8	5262.1	*	400.	250.	AG	135.	100.0	1.0	30.0	1.01	20.3
9.	Hawk/Union SB L	*	3390.6	4708.0	3306.4	5790.8	*	1086.	356.	AG	69.	100.0	1.0	10.0	1.32	55.2
10.	Hawk/Union SB T	*	3377.8	4706.1	3376.0	4723.8	*	18.	354.	AG	25.	100.0	1.0	10.0	0.14	0.9
11.	Hawk/Union WB L	*	3438.0	4679.8	3461.8	4682.2	*	24.	84.	AG	66.	100.0	1.0	10.0	0.22	1.2
12.	Hawk/Union WB R	*	3437.3	4691.3	3527.6	4704.1	*	91.	82.	AG	45.	100.0	1.0	10.0	0.59	4.6
13.	Hawk/Union NB TR	*	3412.5	4623.3	3418.2	4573.4	*	50.	173.	AG	46.	100.0	1.0	10.0	0.32	2.6
14.	LIE N/Hawkins N	*	3393.0	5863.0	3401.9	6218.8	*	356.	1.	AG	1450.	3.0	1.0	72.0		
15.	LIE N/Hawkins E	*	3393.0	5863.0	3735.4	5914.4	*	346.	81.	AG	931.	4.7	1.0	54.0		
16.	LIE N/Hawkins S	*	3393.0	5863.0	3393.0	5611.5	*	252.	180.	AG	1459.	3.0	1.0	78.0		
17.	LIE N/Hawkins W	*	3393.0	5863.0	3036.7	5815.2	*	359.	262.	AG	796.	4.7	1.0	54.0		
18.	LIE S/Hawkins N	*	3387.1	5425.3	3394.1	5670.0	*	245.	2.	AG	1458.	3.0	1.0	78.0		
19.	LIE S/Hawkins E	*	3387.1	5425.3	3651.9	5538.9	*	288.	67.	AG	2191.	4.7	1.0	54.0		
20.	LIE S/Hawkins S	*	3387.1	5425.3	3381.2	5147.1	*	278.	181.	AG	1146.	3.0	1.0	66.0		
21.	LIE S/Hawkins W	*	3387.1	5425.3	3108.2	5320.4	*	298.	249.	AG	2183.	4.7	1.0	54.0		
22.	Union/Hawkins N	*	3401.1	4668.8	3378.9	4869.0	*	201.	354.	AG	641.	3.0	1.0	54.0		
23.	Union/Hawkins E	*	3401.1	4668.8	3620.2	4699.3	*	221.	82.	AG	941.	3.0	1.0	54.0		
24.	Union/Hawkins S	*	3401.1	4668.8	3421.1	4497.9	*	172.	173.	AG	533.	3.0	1.0	42.0		

JOB: Ronkonkama RUN: EXISTING

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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
1.	LIE N/Hawkins SB TTR	*	100	62	3.0	571	1600	33.66	1	3
2.	LIE N/Hawk WB LTTR	*	100	50	3.0	678	1600	33.66	1	3
3.	LIE N/Hawkins NB L	*	100	88	3.0	190	1600	33.66	1	3
4.	LIE N/Hawkins NB TT	*	100	62	3.0	626	1600	33.66	1	3
5.	LIE S/Hawkins SB L	*	100	78	3.0	335	1600	33.66	1	3
6.	LIE S/Hawkins SB TT	*	100	75	3.0	308	1600	33.66	1	3
7.	LIE S/Hawkins NB TTR	*	100	75	3.0	663	1600	33.66	1	3
8.	LIE S/Hawk EB LTTR	*	100	50	3.0	2183	1600	33.66	1	3
9.	Hawk/Union SB L	*	81	62	3.0	363	1600	33.66	1	3
10.	Hawk/Union SB T	*	81	22	3.0	148	1600	33.66	1	3
11.	Hawk/Union WB L	*	81	59	3.0	74	1600	33.66	1	3
12.	Hawk/Union WB R	*	81	40	3.0	417	1600	33.66	1	3
13.	Hawk/Union NB TR	*	81	41	3.0	224	1600	33.66	1	3

RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1.	LIE N/Hawk NE1	*	3443.9	6057.5	6.0	*
2.	LIE N/Hawk NE2	*	3442.0	5982.5	6.0	*
3.	LIE N/Hawk NE3	*	3440.1	5907.5	6.0	*
4.	LIE N/Hawk NE4	*	3514.3	5918.6	6.0	*
5.	LIE N/Hawk NE5	*	3588.4	5929.8	6.0	*
6.	LIE N/Hawk SE1	*	3590.3	5855.2	6.0	*
7.	LIE N/Hawk SE2	*	3516.2	5844.1	6.0	*
8.	LIE N/Hawk SE3	*	3442.0	5833.0	6.0	*
9.	LIE N/Hawk SE4	*	3442.0	5758.0	6.0	*
10.	LIE N/Hawk SE5	*	3442.0	5683.0	6.0	*
11.	LIE N/Hawk SW1	*	3344.0	5669.1	6.0	*
12.	LIE N/Hawk SW2	*	3344.0	5744.4	6.0	*
13.	LIE N/Hawk SW3	*	3344.0	5819.1	6.0	*
14.	LIE N/Hawk SW4	*	3269.6	5809.1	6.0	*
15.	LIE N/Hawk SW5	*	3195.3	5799.2	6.0	*
16.	LIE N/Hawk NW1	*	3199.1	5874.3	6.0	*
17.	LIE N/Hawk NW2	*	3273.4	5884.3	6.0	*
18.	LIE N/Hawk NW3	*	3347.8	5894.3	6.0	*
19.	LIE N/Hawk NW4	*	3349.6	5969.3	6.0	*
20.	LIE N/Hawk NW5	*	3351.5	6044.3	6.0	*
21.	LIE S/Hawk NE1	*	3442.2	5637.3	6.0	*
22.	LIE S/Hawk NE2	*	3440.0	5562.3	6.0	*
23.	LIE S/Hawk NE3	*	3437.9	5487.3	6.0	*
24.	LIE S/Hawk NE4	*	3506.8	5516.9	6.0	*
25.	LIE S/Hawk NE5	*	3575.7	5546.5	6.0	*
26.	LIE S/Hawk SE1	*	3567.5	5462.4	6.0	*
27.	LIE S/Hawk SE2	*	3498.5	5432.8	6.0	*
28.	LIE S/Hawk SE3	*	3429.6	5403.3	6.0	*
29.	LIE S/Hawk SE4	*	3428.0	5328.3	6.0	*
30.	LIE S/Hawk SE5	*	3426.4	5253.3	6.0	*
31.	LIE S/Hawk SW1	*	3339.7	5219.1	6.0	*
32.	LIE S/Hawk SW2	*	3341.3	5294.1	6.0	*

JOB: Ronkonkama RUN: EXISTING

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RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
33.	LIE S/Hawk SW3	*	3342.9	5369.1	6.0	*
34.	LIE S/Hawk SW4	*	3272.7	5342.7	6.0	*
35.	LIE S/Hawk SW5	*	3202.5	5316.3	6.0	*
36.	Hawk/Union NE1	*	3417.1	4859.8	6.0	*
37.	Hawk/Union NE2	*	3425.4	4785.3	6.0	*
38.	Hawk/Union NE3	*	3433.7	4710.7	6.0	*
39.	Hawk/Union NE4	*	3509.1	4721.2	6.0	*
40.	Hawk/Union NE5	*	3582.3	4731.3	6.0	*
41.	Hawk/Union SE1	*	3584.7	4657.0	6.0	*
42.	Hawk/Union SE2	*	3510.4	4646.6	6.0	*
43.	Hawk/Union SE3	*	3436.1	4636.3	6.0	*
44.	Hawk/Union SE4	*	3444.8	4561.8	6.0	*
45.	Hawk/Union SE5	*	3453.0	4487.3	6.0	*
46.	Hawk/Union W1	*	3388.8	4506.5	6.0	*
47.	Hawk/Union W2	*	3380.2	4581.0	6.0	*
48.	Hawk/Union W3	*	3371.5	4655.5	6.0	*
49.	Hawk/Union W4	*	3357.2	4729.1	6.0	*
50.	Hawk/Union W5	*	3348.9	4803.7	6.0	*
51.	LIE S/Hawk NW1	*	3198.3	5393.8	6.0	*
52.	LIE S/Hawk NW2	*	3268.5	5420.2	6.0	*
53.	LIE S/Hawk NW3	*	3338.7	5446.6	6.0	*
54.	LIE S/Hawk NW4	*	3340.8	5521.6	6.0	*
55.	LIE S/Hawk NW5	*	3343.0	5596.5	6.0	*

JOB: Ronkonkama RUN: EXISTING

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.	*	0.2	0.2	0.2	0.0	0.0	0.1	0.2	0.4	0.4	0.3	0.2	0.2	0.4	0.1	0.1	0.0	0.0	0.3	0.1	0.1
5.	*	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.3	0.3	0.2	0.3	0.4	0.4	0.1	0.1	0.0	0.0	0.3	0.2	0.2

```
  10.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.2   0.1   0.3   0.4   0.4   0.1   0.1   0.0   0.0   0.4
0.2   0.2
  15.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.2   0.0   0.3   0.4   0.4   0.1   0.1   0.0   0.0   0.4
0.2   0.2
  20.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.2   0.0   0.4   0.3   0.4   0.2   0.1   0.0   0.0   0.5
0.2   0.2
  25.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.4   0.2   0.0   0.4   0.3   0.4   0.4   0.1   0.0   0.2   0.6
0.3   0.2
  30.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.4   0.2   0.0   0.4   0.2   0.4   0.4   0.1   0.0   0.2   0.5
0.3   0.2
  35.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.4   0.2   0.0   0.4   0.4   0.4   0.4   0.1   0.0   0.2   0.5
0.3   0.2
  40.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.4   0.1   0.0   0.4   0.6   0.4   0.4   0.1   0.0   0.3   0.5
0.4   0.2
  45.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.1   0.0   0.4   0.6   0.5   0.4   0.1   0.0   0.3   0.5
0.4   0.2
  50.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.2   0.4   0.1   0.0   0.4   0.6   0.6   0.4   0.1   0.0   0.3   0.4
0.4   0.2
  55.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.2   0.4   0.1   0.0   0.4   0.5   0.5   0.2   0.1   0.0   0.3   0.4
0.4   0.2
  60.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.2   0.3   0.0   0.0   0.4   0.5   0.5   0.2   0.1   0.1   0.3   0.4
0.5   0.2
  65.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.2   0.3   0.0   0.0   0.4   0.4   0.4   0.3   0.1   0.1   0.3   0.4
0.5   0.2
  70.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.0   0.0   0.3   0.4   0.4   0.3   0.1   0.1   0.3   0.3
0.5   0.2
  75.  *   0.0   0.0   0.1   0.0   0.0   0.1   0.1   0.1   0.0   0.0   0.3   0.4   0.4   0.3   0.1   0.1   0.3   0.4
0.5   0.2
  80.  *   0.0   0.0   0.1   0.1   0.0   0.1   0.1   0.1   0.0   0.0   0.3   0.4   0.4   0.4   0.1   0.0   0.4   0.5
0.5   0.2
  85.  *   0.0   0.0   0.1   0.1   0.1   0.0   0.1   0.1   0.0   0.0   0.3   0.4   0.3   0.3   0.1   0.2   0.3   0.5
0.5   0.2
  90.  *   0.0   0.0   0.2   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.3   0.3   0.0   0.2   0.4   0.4
0.5   0.2
  95.  *   0.0   0.0   0.3   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.3   0.0   0.1   0.4   0.4
0.5   0.2
 100.  *   0.0   0.0   0.3   0.2   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.3   0.0   0.1   0.3   0.4
0.5   0.2
 105.  *   0.0   0.0   0.4   0.2   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.4   0.0   0.1   0.3   0.4
0.6   0.2
 110.  *   0.0   0.1   0.4   0.2   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.4   0.0   0.1   0.2   0.4
0.6   0.2
 115.  *   0.0   0.1   0.5   0.2   0.1   0.0   0.0   0.0   0.0   0.0   0.5   0.4   0.4   0.5   0.1   0.1   0.3   0.5
0.7   0.2
 120.  *   0.0   0.1   0.4   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.5   0.4   0.4   0.5   0.1   0.1   0.4   0.5
0.7   0.2
 125.  *   0.0   0.1   0.4   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.5   0.3   0.4   0.4   0.1   0.1   0.4   0.5
0.7   0.2
 130.  *   0.0   0.1   0.4   0.1   0.1   0.0   0.0   0.0   0.0   0.1   0.5   0.4   0.4   0.4   0.1   0.1   0.4   0.5
0.7   0.2
 135.  *   0.0   0.1   0.4   0.1   0.1   0.0   0.0   0.0   0.0   0.1   0.5   0.4   0.4   0.4   0.2   0.2   0.5   0.5
0.7   0.3
 140.  *   0.0   0.2   0.4   0.1   0.1   0.0   0.0   0.0   0.0   0.1   0.5   0.4   0.4   0.5   0.2   0.3   0.5   0.4
0.7   0.3
 145.  *   0.0   0.2   0.4   0.1   0.1   0.0   0.0   0.0   0.1   0.1   0.5   0.5   0.5   0.4   0.2   0.3   0.4   0.5
0.5   0.3
 150.  *   0.0   0.2   0.4   0.1   0.1   0.0   0.0   0.0   0.1   0.1   0.5   0.5   0.5   0.2   0.2   0.3   0.4   0.5
0.4   0.3
 155.  *   0.0   0.2   0.4   0.1   0.1   0.0   0.0   0.1   0.1   0.1   0.5   0.5   0.5   0.3   0.2   0.3   0.4   0.5
0.6   0.4
 160.  *   0.0   0.2   0.3   0.1   0.1   0.0   0.0   0.1   0.1   0.1   0.6   0.5   0.4   0.3   0.2   0.3   0.3   0.5
0.7   0.4
 165.  *   0.1   0.2   0.3   0.1   0.1   0.0   0.1   0.1   0.1   0.1   0.8   0.7   0.4   0.4   0.1   0.2   0.3   0.5
0.6   0.5
 170.  *   0.1   0.2   0.3   0.1   0.1   0.0   0.1   0.1   0.1   0.1   0.5   0.6   0.6   0.3   0.3   0.2   0.3   0.5
0.6   0.5
 175.  *   0.1   0.3   0.4   0.2   0.1   0.0   0.1   0.3   0.2   0.3   0.6   0.6   0.6   0.1   0.1   0.1   0.3   0.5
0.6   0.6
 180.  *   0.3   0.5   0.6   0.3   0.1   0.1   0.1   0.3   0.4   0.4   0.7   0.5   0.3   0.3   0.1   0.2   0.2   0.5
0.4   0.5
 185.  *   0.3   0.6   0.7   0.2   0.1   0.1   0.1   0.7   0.6   0.5   0.5   0.4   0.2   0.3   0.1   0.2   0.3   0.4
0.3   0.3
 190.  *   0.4   0.6   0.6   0.4   0.1   0.1   0.2   0.7   0.7   0.6   0.4   0.4   0.4   0.1   0.1   0.1   0.2   0.2
0.2   0.1
 195.  *   0.5   0.6   0.6   0.4   0.1   0.1   0.1   0.8   0.6   0.6   0.4   0.4   0.2   0.1   0.1   0.1   0.2   0.3
0.2   0.0
 200.  *   0.3   0.5   0.6   0.4   0.2   0.2   0.1   0.9   0.8   0.8   0.4   0.4   0.2   0.1   0.0   0.1   0.1   0.3
0.1   0.0
 205.  *   0.3   0.3   0.7   0.7   0.2   0.1   0.1   0.8   0.9   0.8   0.4   0.2   0.2   0.0   0.0   0.1   0.1   0.2
0.1   0.0
```


JOB: Ronkonkama RUN: EXISTING

```
 WIND  * CONCENTRATION
 ANGLE *      (PPM)
 (DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18
REC19 REC20
 REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
 REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

------*----------------------------------------------------------------------------------------------------------------
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------*----------------------------------------------------------------------------------------------------------------
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       -----*----------------------------------------------------------------------------------
 210.  *   0.3   0.2   0.6   0.8   0.2   0.1   0.3   0.8   0.9   0.7   0.4   0.2   0.1   0.0   0.0   0.1   0.1   0.1
0.1   0.0
 215.  *   0.3   0.3   0.4   0.8   0.2   0.1   0.5   0.8   0.7   0.7   0.2   0.2   0.1   0.0   0.0   0.1   0.1   0.1
0.1   0.0
 220.  *   0.3   0.3   0.4   0.8   0.2   0.2   0.5   0.6   0.7   0.7   0.2   0.1   0.1   0.0   0.0   0.1   0.1   0.1
0.1   0.0
 225.  *   0.3   0.4   0.5   0.7   0.2   0.1   0.4   0.6   0.7   0.6   0.2   0.1   0.1   0.0   0.0   0.1   0.1   0.1
0.1   0.0
 230.  *   0.3   0.4   0.5   0.6   0.3   0.0   0.4   0.5   0.7   0.6   0.1   0.1   0.1   0.0   0.0   0.1   0.1   0.1
0.1   0.0
 235.  *   0.3   0.4   0.4   0.4   0.3   0.1   0.4   0.4   0.7   0.5   0.1   0.1   0.0   0.0   0.0   0.1   0.1   0.1
0.1   0.0
 240.  *   0.2   0.3   0.4   0.4   0.3   0.1   0.4   0.4   0.7   0.5   0.1   0.1   0.0   0.0   0.0   0.1   0.1   0.1
0.0   0.0
 245.  *   0.2   0.4   0.4   0.5   0.2   0.1   0.3   0.4   0.7   0.5   0.1   0.1   0.0   0.0   0.0   0.1   0.1   0.1
0.0   0.0
 250.  *   0.2   0.4   0.3   0.4   0.2   0.1   0.3   0.4   0.6   0.5   0.1   0.1   0.0   0.0   0.0   0.1   0.1   0.1
0.0   0.0
 255.  *   0.2   0.3   0.3   0.4   0.2   0.0   0.3   0.2   0.6   0.5   0.1   0.1   0.0   0.0   0.0   0.1   0.1   0.1
0.0   0.0
 260.  *   0.2   0.3   0.4   0.4   0.2   0.1   0.2   0.3   0.6   0.4   0.1   0.1   0.1   0.1   0.0   0.1   0.1   0.1
0.0   0.0
 265.  *   0.2   0.3   0.4   0.3   0.1   0.2   0.4   0.3   0.6   0.4   0.1   0.1   0.1   0.1   0.1   0.0   0.1   0.1
0.0   0.0
 270.  *   0.2   0.3   0.3   0.3   0.0   0.2   0.3   0.3   0.6   0.4   0.1   0.1   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 275.  *   0.2   0.3   0.3   0.3   0.0   0.2   0.4   0.3   0.6   0.4   0.1   0.1   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 280.  *   0.2   0.3   0.3   0.3   0.0   0.2   0.4   0.3   0.6   0.4   0.1   0.1   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 285.  *   0.2   0.3   0.3   0.3   0.0   0.3   0.3   0.4   0.6   0.3   0.1   0.1   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 290.  *   0.2   0.3   0.3   0.3   0.0   0.3   0.4   0.4   0.7   0.3   0.1   0.1   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 295.  *   0.2   0.2   0.4   0.3   0.0   0.2   0.6   0.4   0.7   0.3   0.1   0.2   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 300.  *   0.2   0.2   0.4   0.3   0.0   0.2   0.6   0.5   0.7   0.4   0.1   0.2   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 305.  *   0.2   0.2   0.4   0.2   0.0   0.1   0.7   0.4   0.7   0.4   0.1   0.2   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 310.  *   0.2   0.2   0.3   0.2   0.0   0.1   0.7   0.5   0.7   0.4   0.1   0.2   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 315.  *   0.2   0.2   0.3   0.2   0.0   0.1   0.7   0.4   0.6   0.5   0.1   0.2   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 320.  *   0.2   0.2   0.3   0.2   0.0   0.1   0.6   0.4   0.6   0.5   0.1   0.2   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 325.  *   0.2   0.2   0.3   0.2   0.0   0.1   0.6   0.4   0.4   0.5   0.1   0.2   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 330.  *   0.2   0.2   0.3   0.2   0.0   0.1   0.5   0.4   0.4   0.5   0.1   0.1   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 335.  *   0.2   0.2   0.4   0.2   0.0   0.1   0.5   0.4   0.6   0.6   0.1   0.1   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 340.  *   0.2   0.2   0.3   0.1   0.0   0.1   0.4   0.4   0.6   0.6   0.1   0.1   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 345.  *   0.2   0.2   0.3   0.0   0.0   0.1   0.3   0.4   0.5   0.6   0.1   0.1   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 350.  *   0.2   0.2   0.2   0.0   0.0   0.1   0.2   0.4   0.5   0.5   0.1   0.1   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 355.  *   0.2   0.2   0.2   0.0   0.0   0.1   0.2   0.4   0.5   0.5   0.0   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 360.  *   0.2   0.2   0.2   0.0   0.0   0.1   0.2   0.4   0.4   0.3   0.2   0.2   0.4   0.1   0.1   0.0   0.0   0.3
0.1   0.1

------*----------------------------------------------------------------------------------------------------------------
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 MAX   *   0.5   0.6   0.7   0.8   0.3   0.3   0.7   0.9   0.9   0.8   0.8   0.7   0.6   0.5   0.3   0.3   0.5   0.6
0.7   0.6
 DEGR. *  195   185   185   210   230   285   305   200   205   200   165   165    50   115   170   140   135    25
115   175
```


JOB: Ronkonkama RUN: EXISTING

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 *      (PPM)
 (DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38
```

REC39 REC40

0.	*	0.3	0.3	0.4	0.0	0.0	0.3	0.3	0.6	0.5	0.6	0.7	1.0	1.3	0.6	0.6	0.3	0.3	0.3	0.0	0.0
5.	*	0.2	0.1	0.1	0.0	0.0	0.3	0.3	0.6	0.3	0.3	0.7	1.1	1.2	0.7	0.6	0.2	0.2	0.2	0.0	0.0
10.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.2	0.8	1.1	1.1	0.9	0.7	0.2	0.0	0.0	0.0	0.0
15.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.8	1.1	1.0	1.0	0.7	0.0	0.0	0.0	0.0	0.0
20.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.8	1.2	1.1	1.0	0.7	0.0	0.0	0.0	0.0	0.0
25.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.9	1.0	1.0	1.1	0.8	0.0	0.0	0.0	0.0	0.0
30.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.2	0.1	0.8	0.8	0.8	1.1	0.8	0.0	0.0	0.0	0.0	0.0
35.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.4	0.1	0.1	0.8	0.8	0.7	0.9	1.0	0.0	0.0	0.0	0.0	0.0
40.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.4	0.1	0.1	0.7	0.8	0.8	1.0	1.0	0.0	0.0	0.0	0.0	0.0
45.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.1	0.0	0.7	0.8	0.6	0.9	1.0	0.0	0.0	0.0	0.0	0.0
50.	*	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.1	0.0	0.6	0.8	0.7	0.8	1.1	0.0	0.0	0.0	0.0	0.0
55.	*	0.0	0.0	0.1	0.0	0.0	0.2	0.3	0.3	0.1	0.0	0.6	0.8	0.7	0.8	0.7	0.0	0.0	0.0	0.0	0.0
60.	*	0.0	0.0	0.1	0.1	0.0	0.2	0.2	0.3	0.0	0.0	0.6	0.8	0.6	0.7	0.7	0.0	0.0	0.0	0.0	0.0
65.	*	0.0	0.0	0.2	0.1	0.0	0.1	0.2	0.2	0.0	0.0	0.6	0.7	0.6	0.7	0.5	0.0	0.0	0.0	0.0	0.0
70.	*	0.0	0.0	0.2	0.2	0.1	0.1	0.1	0.2	0.0	0.0	0.6	0.6	0.5	0.6	0.5	0.0	0.0	0.0	0.0	0.0
75.	*	0.0	0.0	0.3	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.6	0.6	0.4	0.5	0.4	0.0	0.0	0.0	0.0	0.0
80.	*	0.0	0.0	0.3	0.3	0.1	0.0	0.0	0.1	0.0	0.0	0.6	0.6	0.5	0.4	0.2	0.0	0.0	0.0	0.0	0.0
85.	*	0.0	0.0	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.1	0.0	0.0	0.0	0.1	0.0
90.	*	0.0	0.1	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.1	0.0	0.0	0.0	0.2	0.0
95.	*	0.0	0.1	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.1	0.0	0.0	0.0	0.2	0.1
100.	*	0.0	0.1	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.4	0.1	0.0	0.0	0.0	0.2	0.1
105.	*	0.0	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.4	0.4	0.1	0.0	0.0	0.0	0.2	0.1
110.	*	0.0	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.4	0.4	0.1	0.0	0.0	0.0	0.2	0.1
115.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.4	0.4	0.1	0.0	0.0	0.0	0.2	0.1
120.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.4	0.4	0.2	0.0	0.0	0.0	0.2	0.1
125.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.4	0.3	0.2	0.0	0.0	0.0	0.2	0.1
130.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.5	0.3	0.3	0.0	0.0	0.0	0.2	0.1
135.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.5	0.3	0.3	0.0	0.0	0.0	0.3	0.2
140.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.5	0.3	0.3	0.0	0.0	0.0	0.3	0.2
145.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.5	0.3	0.2	0.0	0.0	0.0	0.3	0.2
150.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.9	0.6	0.3	0.1	0.0	0.0	0.0	0.3	0.2
155.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.9	0.7	0.3	0.1	0.0	0.0	0.0	0.3	0.2
160.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.6	1.0	0.8	0.3	0.0	0.0	0.0	0.0	0.3	0.2
165.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.1	0.0	0.0	0.6	1.0	0.9	0.2	0.0	0.0	0.0	0.0	0.3	0.2
170.	*	0.1	0.2	0.4	0.3	0.3	0.0	0.0	0.1	0.1	0.1	0.5	0.9	0.9	0.1	0.0	0.0	0.0	0.0	0.2	0.2
175.	*	0.2	0.2	0.4	0.3	0.3	0.0	0.0	0.2	0.2	0.1	0.4	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.1	0.2
180.	*	0.4	0.3	0.6	0.3	0.3	0.0	0.0	0.5	0.3	0.3	0.3	0.6	0.9	0.0	0.0	0.0	0.0	0.0	0.1	0.2
185.	*	0.5	0.5	0.8	0.4	0.3	0.0	0.1	0.6	0.6	0.5	0.1	0.5	0.7	0.0	0.0	0.2	0.0	0.1	0.2	0.1
190.	*	0.5	0.5	0.8	0.4	0.3	0.0	0.1	0.7	0.7	0.6	0.1	0.3	0.6	0.0	0.0	0.2	0.0	0.1	0.2	0.1
195.	*	0.6	0.6	0.8	0.5	0.3	0.0	0.2	0.8	0.7	0.7	0.1	0.2	0.5	0.0	0.0	0.2	0.1	0.1	0.2	0.1
200.	*	0.7	0.6	0.9	0.5	0.4	0.1	0.3	0.8	0.8	0.7	0.0	0.2	0.5	0.0	0.0	0.2	0.2	0.1	0.2	0.1
205.	*	0.7	0.7	0.9	0.6	0.4	0.1	0.4	0.8	0.7	0.7	0.0	0.1	0.4	0.0	0.0	0.2	0.2	0.1	0.2	0.1

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR) * CONCENTRATION (PPM)

REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40

210.	*	0.7	0.6	0.9	0.5	0.5	0.2	0.4	0.7	0.7	0.7	0.0	0.1	0.4	0.0	0.0	0.2	0.2	0.1	0.2	0.1
215.	*	0.7	0.7	1.0	0.5	0.6	0.2	0.5	0.7	0.7	0.7	0.0	0.1	0.4	0.0	0.0	0.2	0.2	0.1	0.2	0.1
220.	*	0.7	0.7	0.8	0.6	0.6	0.2	0.4	0.7	0.7	0.7	0.0	0.1	0.3	0.0	0.0	0.2	0.2	0.0	0.2	0.1
225.	*	0.6	0.7	0.8	0.7	0.6	0.2	0.4	0.7	0.7	0.7	0.0	0.0	0.3	0.0	0.0	0.2	0.2	0.0	0.2	0.1
230.	*	0.6	0.7	0.9	0.6	0.8	0.2	0.4	0.6	0.7	0.7	0.0	0.0	0.3	0.0	0.0	0.2	0.2	0.0	0.2	0.1
235.	*	0.6	0.7	0.8	0.6	0.5	0.3	0.3	0.8	0.7	0.7	0.0	0.0	0.4	0.1	0.0	0.2	0.2	0.0	0.2	0.1
240.	*	0.5	0.7	0.8	0.5	0.5	0.4	0.5	0.8	0.7	0.7	0.0	0.0	0.5	0.2	0.1	0.2	0.2	0.0	0.2	0.1
245.	*	0.5	0.6	0.8	0.6	0.4	0.4	0.5	0.9	0.7	0.7	0.0	0.0	0.5	0.3	0.2	0.2	0.2	0.0	0.2	0.2
250.	*	0.5	0.5	0.7	0.5	0.3	0.4	0.7	0.9	0.6	0.6	0.0	0.0	0.7	0.4	0.3	0.1	0.2	0.1	0.2	0.2
255.	*	0.5	0.5	0.5	0.6	0.3	0.5	0.8	1.1	0.7	0.6	0.0	0.1	0.8	0.5	0.4	0.1	0.2	0.1	0.1	0.2
260.	*	0.5	0.5	0.6	0.3	0.1	0.5	0.7	1.0	0.8	0.6	0.0	0.1	0.9	0.7	0.5	0.1	0.2	0.1	0.0	0.1
265.	*	0.5	0.5	0.4	0.3	0.0	0.5	0.7	1.1	0.8	0.6	0.0	0.1	1.0	0.7	0.6	0.1	0.2	0.1	0.0	0.0
270.	*	0.5	0.4	0.4	0.3	0.0	0.5	0.6	1.0	0.9	0.7	0.0	0.2	1.1	0.7	0.6	0.1	0.2	0.2	0.0	0.0
275.	*	0.5	0.4	0.4	0.3	0.0	0.4	0.6	0.9	0.9	0.7	0.1	0.3	1.1	0.7	0.7	0.1	0.2	0.2	0.0	0.0
280.	*	0.5	0.4	0.5	0.4	0.0	0.3	0.6	0.8	0.9	0.8	0.1	0.3	1.0	0.7	0.7	0.2	0.2	0.2	0.0	0.0
285.	*	0.5	0.4	0.6	0.3	0.0	0.3	0.5	0.7	1.0	0.8	0.1	0.3	1.0	0.7	0.7	0.2	0.2	0.2	0.0	0.0
290.	*	0.5	0.4	0.6	0.3	0.0	0.3	0.6	0.6	1.0	0.8	0.1	0.3	1.0	0.7	0.7	0.2	0.2	0.2	0.1	0.0
295.	*	0.5	0.4	0.6	0.3	0.0	0.3	0.6	0.8	1.0	0.8	0.2	0.3	1.0	0.7	0.7	0.2	0.2	0.2	0.1	0.0
300.	*	0.4	0.4	0.5	0.3	0.0	0.3	0.6	0.6	1.0	0.9	0.2	0.3	1.0	0.7	0.7	0.2	0.2	0.2	0.1	0.0
305.	*	0.4	0.4	0.5	0.3	0.0	0.3	0.6	0.6	0.9	0.9	0.2	0.3	1.0	0.7	0.7	0.2	0.2	0.2	0.1	0.0
310.	*	0.4	0.4	0.5	0.3	0.0	0.3	0.6	0.6	0.9	0.9	0.2	0.3	1.0	0.7	0.7	0.2	0.2	0.2	0.1	0.0
315.	*	0.3	0.5	0.5	0.3	0.0	0.3	0.6	0.7	0.9	0.9	0.2	0.4	0.9	0.6	0.6	0.2	0.2	0.2	0.1	0.0
320.	*	0.3	0.5	0.5	0.3	0.0	0.3	0.6	0.7	0.8	0.9	0.2	0.4	1.0	0.6	0.6	0.2	0.2	0.2	0.1	0.0
325.	*	0.4	0.4	0.4	0.3	0.0	0.4	0.6	0.7	0.8	0.9	0.2	0.4	1.0	0.6	0.6	0.2	0.3	0.2	0.1	0.1
330.	*	0.4	0.4	0.4	0.3	0.1	0.4	0.6	0.7	0.7	0.9	0.2	0.5	1.1	0.6	0.6	0.3	0.2	0.2	0.2	0.2
335.	*	0.4	0.4	0.3	0.3	0.0	0.4	0.5	0.8	0.9	0.8	0.2	0.5	1.1	0.6	0.6	0.3	0.2	0.2	0.2	0.2
340.	*	0.4	0.4	0.4	0.1	0.0	0.3	0.5	0.8	1.0	0.8	0.3	0.5	1.2	0.6	0.6	0.4	0.2	0.3	0.3	0.2
345.	*	0.4	0.5	0.4	0.1	0.0	0.3	0.4	0.7	0.9	0.8	0.3	0.6	1.1	0.6	0.6	0.4	0.3	0.2	0.3	0.1
350.	*	0.4	0.5	0.4	0.1	0.0	0.3	0.4	0.6	0.7	0.9	0.4	0.7	1.1	0.6	0.6	0.4	0.3	0.3	0.2	0.0
355.	*	0.3	0.5	0.4	0.0	0.0	0.3	0.4	0.6	0.5	0.8	0.5	0.9	1.2	0.6	0.6	0.3	0.3	0.3	0.1	0.0
360.	*	0.3	0.3	0.4	0.0	0.0	0.3	0.3	0.6	0.5	0.6	0.7	1.0	1.3	0.6	0.6	0.3	0.3	0.3	0.0	0.0
MAX	*	0.7	0.7	1.0	0.7	0.8	0.5	0.8	1.1	1.0	0.9	0.9	1.2	1.3	1.1	1.1	0.4	0.3	0.3	0.3	0.2
DEGR.	*	200	205	215	225	230	255	255	255	285	300	25	20	0	25	50	340	0	0	340	245

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)	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
	CONCENTRATION (PPM)														
0.	0.1	0.1	0.4	0.2	0.1	0.2	0.2	0.5	0.4	0.3	0.0	0.0	0.8	0.3	0.3
5.	0.1	0.1	0.1	0.0	0.0	0.1	0.2	0.5	0.4	0.5	0.0	0.1	0.7	0.5	0.3
10.	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.4	0.5	0.5	0.0	0.2	0.7	0.5	0.3
15.	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.2	0.5	0.5	0.0	0.2	0.8	0.4	0.5
20.	0.1	0.1	0.2	0.0	0.0	0.1	0.0	0.2	0.4	0.4	0.0	0.3	0.6	0.4	0.5
25.	0.1	0.1	0.2	0.0	0.0	0.1	0.0	0.2	0.3	0.2	0.0	0.3	0.6	0.4	0.5
30.	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.4	0.5	0.4	0.5
35.	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.1	0.5	0.5	0.4	0.5
40.	0.1	0.1	0.2	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.5	0.5	0.4	0.4
45.	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.2	0.2	0.5	0.4	0.4	0.4
50.	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.4	0.3	0.4	0.4
55.	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.4	0.4	0.5	0.4
60.	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.5	0.4	0.5	0.4
65.	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.5	0.4	0.5	0.4
70.	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.4	0.6	0.4	0.6	0.4
75.	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.4	0.7	0.5	0.6	0.3
80.	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.5	0.6	0.6	0.7	0.3
85.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.6	0.7	0.6	0.7	0.3
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.6	0.7	0.6	0.7	0.3
95.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.8	0.7	0.6	0.7	0.3
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.8	0.8	0.5	0.7	0.4
105.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.7	0.8	0.5	0.8	0.4
110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.7	0.8	0.6	0.8	0.4
115.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.8	0.8	0.5	0.7	0.4
120.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.8	0.9	0.6	0.6	0.4
125.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.2	0.8	0.9	0.6	0.6	0.4
130.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.8	0.9	0.6	0.6	0.4
135.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.9	1.0	0.6	0.5	0.5
140.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2	0.9	1.0	0.7	0.5	0.5
145.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.9	0.9	0.8	0.6	0.5
150.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.8	0.9	0.8	0.6	0.5
155.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.7	0.9	0.8	0.6	0.7
160.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.9	0.9	0.8	0.6
165.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.9	1.1	0.7	0.9
170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	1.2	0.8	0.6
175.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	1.2	0.8	0.7
180.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.3	0.7	0.8
185.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.1	0.7	0.7
190.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.0	0.5	0.4
195.	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.0	0.5	0.4
200.	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.0	0.7	0.4
205.	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.0	0.7	0.4

JOB: Ronkonkama RUN: EXISTING

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
	CONCENTRATION (PPM)														
210.	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.0	0.6	0.4
215.	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	1.0	0.6	0.4
220.	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	1.1	0.5	0.4
225.	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.8	1.1	0.5	0.3
230.	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	1.1	0.4	0.3
235.	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	1.1	0.4	0.2
240.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.9	0.3	0.1
245.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.8	0.3	0.1
250.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.2	0.1
255.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.2	0.1
260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.2	0.1
265.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1
270.	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1
275.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
280.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
285.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1
290.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1
295.	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1
300.	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2
305.	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2
310.	0.1	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2
315.	0.1	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2
320.	0.1	0.3	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.2
325.	0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.2
330.	0.2	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	0.2
335.	0.3	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.2
340.	0.2	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.2
345.	0.1	0.5	0.4	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.5	0.3	0.2
350.	0.1	0.5	0.3	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.5	0.2	0.1
355.	0.1	0.1	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.0	0.0	0.5	0.2	0.1
360.	0.1	0.1	0.4	0.2	0.1	0.2	0.2	0.5	0.4	0.3	0.0	0.0	0.8	0.3	0.3
MAX	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.9	1.0	1.3	0.8	0.9
DEGR.	335	345	0	0	355	0	0	0	10	5	135	135	180	160	165

THE HIGHEST CONCENTRATION OF 1.30 PPM OCCURRED AT RECEPTOR REC33.

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

JOB: Ronkonkama RUN: NOBUILD

DATE : 6/ 5/13
TIME : 9:18:34

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

	LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH (G/MI)	EF	H (FT)	W (FT)	V/C	QUEUE (VEH)
1.	LIE N/Hawkins SB TTR	*	3375.1	5903.8	3376.4	6005.2	*	101.	1.	AG	92.	100.0	1.0	20.0	0.57	5.1
2.	LIE N/Hawk WB LTTR	*	3446.1	5872.5	3509.6	5883.5	*	65.	80.	AG	111.	100.0	1.0	30.0	0.33	3.3
3.	LIE N/Hawkins NB L	*	3393.3	5814.6	3372.8	4770.8	*	1044.	181.	AG	65.	100.0	1.0	10.0	1.78	53.0
4.	LIE N/Hawkins NB TT	*	3416.2	5814.3	3415.9	5703.4	*	111.	180.	AG	92.	100.0	1.0	20.0	0.62	5.6
5.	LIE S/Hawkins SB L	*	3391.1	5495.9	3405.6	6526.9	*	1031.	1.	AG	58.	100.0	1.0	10.0	1.29	52.4
6.	LIE S/Hawkins SB TT	*	3370.8	5481.6	3372.0	5547.6	*	66.	1.	AG	111.	100.0	1.0	20.0	0.50	3.4
7.	LIE S/Hawkins NB TTR	*	3405.1	5396.8	3393.8	4894.3	*	503.	181.	AG	111.	100.0	1.0	20.0	1.08	25.5
8.	LIE S/Hawk EB LTTR	*	3339.3	5401.9	2636.8	5139.6	*	750.	250.	AG	111.	100.0	1.0	30.0	1.06	38.1
9.	Hawk/Union SB L	*	3390.6	4708.0	3292.6	5968.4	*	1264.	356.	AG	57.	100.0	1.0	10.0	1.38	64.2
10.	Hawk/Union SB T	*	3377.8	4706.1	3375.9	4724.6	*	19.	354.	AG	20.	100.0	1.0	10.0	0.15	0.9
11.	Hawk/Union WB L	*	3438.0	4679.8	3463.1	4682.3	*	25.	84.	AG	54.	100.0	1.0	10.0	0.23	1.3
12.	Hawk/Union WB R	*	3437.3	4691.3	3531.7	4704.7	*	95.	82.	AG	37.	100.0	1.0	10.0	0.61	4.8
13.	Hawk/Union NB TR	*	3412.5	4623.3	3420.9	4550.7	*	73.	173.	AG	37.	100.0	1.0	10.0	0.47	3.7
14.	LIE N/Hawkins N	*	3393.0	5863.0	3401.9	6218.8	*	356.	1.	AG	1516.	2.5	1.0	72.0		
15.	LIE N/Hawkins E	*	3393.0	5863.0	3735.4	5914.4	*	346.	81.	AG	975.	4.0	1.0	54.0		
16.	LIE N/Hawkins S	*	3393.0	5863.0	3393.0	5611.5	*	252.	180.	AG	1527.	2.5	1.0	78.0		
17.	LIE N/Hawkins W	*	3393.0	5863.0	3036.7	5815.2	*	359.	262.	AG	834.	4.0	1.0	54.0		
18.	LIE S/Hawkins N	*	3387.1	5425.3	3394.1	5670.0	*	245.	2.	AG	1527.	2.5	1.0	78.0		
19.	LIE S/Hawkins E	*	3387.1	5425.3	3651.9	5538.9	*	288.	67.	AG	2293.	4.0	1.0	54.0		
20.	LIE S/Hawkins S	*	3387.1	5425.3	3381.2	5147.1	*	278.	181.	AG	1200.	2.5	1.0	66.0		
21.	LIE S/Hawkins W	*	3387.1	5425.3	3108.2	5320.4	*	298.	249.	AG	2284.	4.0	1.0	54.0		
22.	Union/Hawkins N	*	3401.1	4668.8	3378.9	4869.0	*	201.	354.	AG	1206.	2.5	1.0	54.0		
23.	Union/Hawkins E	*	3401.1	4668.8	3620.2	4699.3	*	221.	82.	AG	985.	2.5	1.0	54.0		
24.	Union/Hawkins S	*	3401.1	4668.8	3421.1	4497.9	*	172.	173.	AG	559.	2.5	1.0	42.0		

PAGE 2

JOB: Ronkonkama RUN: NOBUILD

DATE : 6/ 5/13
TIME : 9:18:34

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
1.	LIE N/Hawkins SB TTR	*	100	62	3.0	598	1600	27.59	1	3
2.	LIE N/Hawk WB LTTR	*	100	50	3.0	710	1600	27.59	1	3
3.	LIE N/Hawkins NB L	*	100	88	3.0	199	1600	27.59	1	3
4.	LIE N/Hawkins NB TT	*	100	62	3.0	655	1600	27.59	1	3
5.	LIE S/Hawkins SB L	*	100	78	3.0	351	1600	27.59	1	3
6.	LIE S/Hawkins SB TT	*	100	75	3.0	323	1600	27.59	1	3
7.	LIE S/Hawkins NB TTR	*	100	75	3.0	694	1600	27.59	1	3
8.	LIE S/Hawk EB LTTR	*	100	50	3.0	2284	1600	27.59	1	3
9.	Hawk/Union SB L	*	81	62	3.0	380	1600	27.59	1	3
10.	Hawk/Union SB T	*	81	22	3.0	155	1600	27.59	1	3
11.	Hawk/Union WB L	*	81	59	3.0	78	1600	27.59	1	3
12.	Hawk/Union WB R	*	81	40	3.0	436	1600	27.59	1	3
13.	Hawk/Union NB TR	*	81	41	3.0	326	1600	27.59	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*

1.	LIE N/Hawk NE1	*	3443.9	6057.5	6.0 *
2.	LIE N/Hawk NE2	*	3442.0	5982.5	6.0 *
3.	LIE N/Hawk NE3	*	3440.1	5907.5	6.0 *
4.	LIE N/Hawk NE4	*	3514.3	5918.6	6.0 *
5.	LIE N/Hawk NE5	*	3588.4	5929.8	6.0 *
6.	LIE N/Hawk SE1	*	3590.3	5855.2	6.0 *
7.	LIE N/Hawk SE2	*	3516.2	5844.1	6.0 *
8.	LIE N/Hawk SE3	*	3442.0	5833.0	6.0 *
9.	LIE N/Hawk SE4	*	3442.0	5758.0	6.0 *
10.	LIE N/Hawk SE5	*	3442.0	5683.0	6.0 *
11.	LIE N/Hawk SW1	*	3344.0	5669.1	6.0 *
12.	LIE N/Hawk SW2	*	3344.0	5744.4	6.0 *
13.	LIE N/Hawk SW3	*	3344.0	5819.1	6.0 *
14.	LIE N/Hawk SW4	*	3269.6	5809.1	6.0 *
15.	LIE N/Hawk SW5	*	3195.3	5799.2	6.0 *
16.	LIE N/Hawk NW1	*	3199.1	5874.3	6.0 *
17.	LIE N/Hawk NW2	*	3273.4	5884.3	6.0 *
18.	LIE N/Hawk NW3	*	3347.8	5894.3	6.0 *
19.	LIE N/Hawk NW4	*	3349.6	5969.3	6.0 *
20.	LIE N/Hawk NW5	*	3351.5	6044.3	6.0 *
21.	LIE S/Hawk NE1	*	3442.2	5637.3	6.0 *
22.	LIE S/Hawk NE2	*	3440.0	5562.3	6.0 *
23.	LIE S/Hawk NE3	*	3437.9	5487.3	6.0 *
24.	LIE S/Hawk NE4	*	3506.8	5516.9	6.0 *
25.	LIE S/Hawk NE5	*	3575.7	5546.5	6.0 *
26.	LIE S/Hawk SE1	*	3567.5	5462.4	6.0 *
27.	LIE S/Hawk SE2	*	3498.5	5432.8	6.0 *
28.	LIE S/Hawk SE3	*	3429.6	5403.3	6.0 *
29.	LIE S/Hawk SE4	*	3428.0	5328.3	6.0 *
30.	LIE S/Hawk SE5	*	3426.4	5253.3	6.0 *
31.	LIE S/Hawk SW1	*	3339.7	5219.1	6.0 *
32.	LIE S/Hawk SW2	*	3341.3	5294.1	6.0 *

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JOB: Ronkonkama RUN: NOBUILD

DATE : 6/ 5/13
TIME : 9:18:34

RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
33.	LIE S/Hawk SW3	*	3342.9	5369.1	6.0	*
34.	LIE S/Hawk SW4	*	3272.7	5342.7	6.0	*
35.	LIE S/Hawk SW5	*	3202.5	5316.3	6.0	*
36.	Hawk/Union NE1	*	3417.1	4859.8	6.0	*
37.	Hawk/Union NE2	*	3425.4	4785.3	6.0	*
38.	Hawk/Union NE3	*	3433.7	4710.7	6.0	*
39.	Hawk/Union NE4	*	3509.1	4721.2	6.0	*
40.	Hawk/Union NE5	*	3582.3	4731.3	6.0	*
41.	Hawk/Union SE1	*	3584.7	4657.0	6.0	*
42.	Hawk/Union SE2	*	3510.4	4646.6	6.0	*
43.	Hawk/Union SE3	*	3436.1	4636.3	6.0	*
44.	Hawk/Union SE4	*	3444.8	4561.8	6.0	*
45.	Hawk/Union SE5	*	3453.0	4487.3	6.0	*
46.	Hawk/Union W1	*	3388.8	4506.5	6.0	*
47.	Hawk/Union W2	*	3380.2	4581.0	6.0	*
48.	Hawk/Union W3	*	3371.5	4655.5	6.0	*
49.	Hawk/Union W4	*	3357.2	4729.1	6.0	*
50.	Hawk/Union W5	*	3348.9	4803.7	6.0	*
51.	LIE S/Hawk NW1	*	3198.3	5393.8	6.0	*
52.	LIE S/Hawk NW2	*	3268.5	5420.2	6.0	*
53.	LIE S/Hawk NW3	*	3338.7	5446.6	6.0	*
54.	LIE S/Hawk NW4	*	3340.8	5521.6	6.0	*
55.	LIE S/Hawk NW5	*	3343.0	5596.5	6.0	*

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JOB: Ronkonkama RUN: NOBUILD

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.	*	0.2	0.2	0.2	0.0	0.0	0.1	0.2	0.4	0.4	0.2	0.3	0.1	0.4	0.1	0.1	0.0	0.0	0.3	0.2	0.0
5.	*	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.4	0.2	0.1	0.0	0.1	0.3	0.2	0.2

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  10.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.2   0.0   0.2   0.4   0.4   0.2   0.1   0.0   0.1   0.3
0.2   0.2
  15.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.2   0.0   0.3   0.3   0.4   0.2   0.1   0.0   0.1   0.4
0.2   0.2
  20.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.2   0.0   0.4   0.3   0.4   0.3   0.1   0.0   0.1   0.4
0.3   0.2
  25.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.2   0.0   0.4   0.2   0.4   0.4   0.1   0.0   0.2   0.4
0.3   0.2
  30.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.2   0.0   0.4   0.2   0.4   0.5   0.1   0.0   0.3   0.4
0.3   0.2
  35.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.1   0.0   0.4   0.3   0.3   0.5   0.1   0.0   0.3   0.4
0.3   0.2
  40.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.1   0.0   0.4   0.4   0.4   0.5   0.1   0.0   0.4   0.4
0.4   0.2
  45.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.1   0.0   0.4   0.5   0.4   0.4   0.1   0.0   0.3   0.4
0.4   0.2
  50.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.1   0.0   0.4   0.5   0.4   0.2   0.1   0.0   0.3   0.4
0.4   0.2
  55.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.0   0.0   0.4   0.5   0.5   0.2   0.1   0.0   0.3   0.4
0.4   0.2
  60.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.2   0.0   0.0   0.4   0.5   0.5   0.2   0.1   0.0   0.3   0.4
0.4   0.2
  65.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.2   0.0   0.0   0.4   0.4   0.4   0.3   0.1   0.0   0.3   0.3
0.4   0.2
  70.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.2   0.0   0.0   0.3   0.4   0.4   0.3   0.1   0.0   0.3   0.3
0.4   0.2
  75.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.1   0.0   0.0   0.3   0.4   0.4   0.3   0.1   0.0   0.3   0.3
0.4   0.2
  80.  *   0.0   0.0   0.1   0.1   0.0   0.1   0.1   0.1   0.0   0.0   0.3   0.4   0.3   0.2   0.1   0.0   0.2   0.4
0.4   0.2
  85.  *   0.0   0.0   0.1   0.1   0.1   0.0   0.1   0.1   0.0   0.0   0.3   0.4   0.3   0.1   0.0   0.1   0.2   0.4
0.4   0.2
  90.  *   0.0   0.0   0.2   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.2   0.2   0.0   0.1   0.3   0.4
0.4   0.2
  95.  *   0.0   0.0   0.2   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.3   0.3   0.0   0.1   0.3   0.4
0.4   0.2
 100.  *   0.0   0.0   0.2   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.3   0.0   0.1   0.3   0.4
0.4   0.2
 105.  *   0.0   0.0   0.3   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.3   0.0   0.1   0.2   0.4
0.5   0.2
 110.  *   0.0   0.0   0.3   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.3   0.0   0.1   0.2   0.4
0.5   0.2
 115.  *   0.0   0.1   0.3   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.3   0.0   0.1   0.2   0.3
0.6   0.2
 120.  *   0.0   0.1   0.3   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.5   0.4   0.4   0.4   0.0   0.2   0.2   0.4
0.6   0.2
 125.  *   0.0   0.1   0.4   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.5   0.3   0.4   0.3   0.0   0.2   0.4   0.5
0.6   0.2
 130.  *   0.0   0.1   0.4   0.1   0.1   0.0   0.0   0.0   0.0   0.1   0.5   0.3   0.4   0.3   0.1   0.2   0.4   0.3
0.6   0.2
 135.  *   0.0   0.1   0.4   0.1   0.1   0.0   0.0   0.0   0.0   0.1   0.5   0.4   0.4   0.2   0.1   0.2   0.4   0.4
0.6   0.3
 140.  *   0.0   0.1   0.4   0.1   0.1   0.0   0.0   0.0   0.0   0.1   0.5   0.4   0.4   0.2   0.1   0.2   0.4   0.4
0.4   0.3
 145.  *   0.0   0.2   0.3   0.1   0.1   0.0   0.0   0.0   0.0   0.1   0.5   0.4   0.4   0.2   0.1   0.2   0.4   0.4
0.4   0.3
 150.  *   0.0   0.2   0.3   0.1   0.1   0.0   0.0   0.0   0.1   0.1   0.5   0.5   0.4   0.2   0.1   0.2   0.3   0.5
0.4   0.3
 155.  *   0.0   0.2   0.3   0.1   0.1   0.0   0.0   0.0   0.1   0.1   0.4   0.5   0.3   0.2   0.1   0.2   0.4   0.5
0.4   0.4
 160.  *   0.0   0.2   0.3   0.1   0.1   0.0   0.0   0.1   0.1   0.1   0.5   0.5   0.3   0.2   0.2   0.2   0.4   0.5
0.5   0.4
 165.  *   0.0   0.2   0.3   0.1   0.1   0.0   0.0   0.1   0.1   0.1   0.5   0.5   0.3   0.3   0.1   0.2   0.4   0.5
0.6   0.4
 170.  *   0.0   0.2   0.2   0.1   0.1   0.0   0.0   0.1   0.1   0.1   0.5   0.6   0.5   0.3   0.0   0.1   0.4   0.4
0.6   0.5
 175.  *   0.0   0.2   0.4   0.2   0.1   0.0   0.1   0.2   0.1   0.2   0.5   0.5   0.5   0.1   0.0   0.1   0.2   0.5
0.5   0.5
 180.  *   0.2   0.4   0.5   0.2   0.1   0.0   0.1   0.4   0.3   0.4   0.5   0.4   0.4   0.1   0.1   0.1   0.2   0.4
0.3   0.5
 185.  *   0.3   0.4   0.6   0.2   0.1   0.1   0.1   0.5   0.4   0.4   0.4   0.3   0.2   0.0   0.1   0.1   0.2   0.3
0.2   0.2
 190.  *   0.3   0.4   0.5   0.4   0.1   0.1   0.2   0.5   0.6   0.4   0.4   0.2   0.1   0.1   0.1   0.1   0.1   0.2
0.1   0.1
 195.  *   0.2   0.5   0.6   0.4   0.1   0.1   0.1   0.6   0.6   0.5   0.4   0.3   0.2   0.1   0.1   0.1   0.2   0.3
0.1   0.1
 200.  *   0.3   0.5   0.6   0.4   0.1   0.0   0.1   0.6   0.7   0.6   0.3   0.3   0.2   0.1   0.1   0.1   0.2   0.3
0.1   0.1
 205.  *   0.3   0.2   0.6   0.5   0.1   0.0   0.1   0.7   0.9   0.7   0.3   0.2   0.2   0.1   0.1   0.1   0.2   0.3
0.1   0.1
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 WIND  * CONCENTRATION
 ANGLE *      (PPM)
 (DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18
REC19 REC20
  REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
  REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

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 210.  *   0.3   0.2   0.5   0.7   0.1   0.0   0.1   0.6   0.8   0.7   0.3   0.2   0.2   0.1   0.1   0.1   0.1   0.3
0.1   0.1
 215.  *   0.3   0.3   0.4   0.8   0.1   0.0   0.3   0.6   0.6   0.6   0.2   0.2   0.2   0.1   0.0   0.1   0.1   0.2
0.1   0.0
 220.  *   0.3   0.3   0.4   0.6   0.2   0.1   0.4   0.6   0.6   0.6   0.2   0.2   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.0
 225.  *   0.3   0.3   0.4   0.5   0.1   0.1   0.4   0.5   0.6   0.5   0.2   0.2   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.0
 230.  *   0.3   0.3   0.4   0.3   0.2   0.0   0.3   0.4   0.6   0.5   0.2   0.1   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.0
 235.  *   0.3   0.3   0.4   0.3   0.2   0.0   0.2   0.4   0.5   0.5   0.1   0.1   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.0
 240.  *   0.2   0.3   0.4   0.3   0.2   0.1   0.2   0.4   0.5   0.4   0.1   0.1   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.0
 245.  *   0.2   0.3   0.3   0.2   0.2   0.0   0.2   0.4   0.5   0.4   0.1   0.1   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.0
 250.  *   0.2   0.3   0.3   0.3   0.2   0.0   0.2   0.2   0.5   0.4   0.1   0.1   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.0
 255.  *   0.2   0.3   0.3   0.3   0.2   0.0   0.1   0.2   0.5   0.3   0.1   0.1   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.0
 260.  *   0.2   0.3   0.3   0.0   0.2   0.1   0.0   0.3   0.5   0.3   0.1   0.1   0.2   0.0   0.0   0.1   0.1   0.2
0.0   0.0
 265.  *   0.2   0.3   0.4   0.0   0.0   0.2   0.2   0.3   0.5   0.3   0.1   0.1   0.2   0.1   0.1   0.0   0.1   0.2
0.0   0.0
 270.  *   0.2   0.3   0.3   0.2   0.0   0.2   0.2   0.3   0.5   0.3   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 275.  *   0.2   0.3   0.3   0.2   0.0   0.2   0.3   0.3   0.5   0.3   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 280.  *   0.2   0.3   0.3   0.2   0.0   0.2   0.2   0.3   0.5   0.3   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 285.  *   0.2   0.3   0.3   0.2   0.0   0.2   0.2   0.3   0.5   0.3   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 290.  *   0.2   0.3   0.3   0.2   0.0   0.2   0.2   0.4   0.5   0.3   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 295.  *   0.2   0.2   0.3   0.2   0.0   0.2   0.3   0.4   0.6   0.4   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 300.  *   0.2   0.2   0.3   0.1   0.0   0.2   0.4   0.4   0.6   0.4   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 305.  *   0.2   0.2   0.3   0.1   0.0   0.1   0.5   0.4   0.5   0.4   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 310.  *   0.2   0.2   0.3   0.1   0.0   0.1   0.5   0.3   0.5   0.4   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 315.  *   0.2   0.2   0.3   0.2   0.0   0.1   0.4   0.4   0.5   0.5   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 320.  *   0.2   0.2   0.3   0.2   0.0   0.1   0.5   0.4   0.4   0.5   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.0   0.0
 325.  *   0.2   0.2   0.3   0.2   0.0   0.1   0.5   0.4   0.4   0.5   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 330.  *   0.2   0.2   0.3   0.2   0.0   0.1   0.5   0.4   0.4   0.5   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 335.  *   0.2   0.2   0.2   0.1   0.0   0.1   0.4   0.4   0.5   0.5   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 340.  *   0.2   0.2   0.2   0.1   0.0   0.1   0.4   0.4   0.5   0.5   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 345.  *   0.2   0.2   0.2   0.0   0.0   0.1   0.3   0.4   0.4   0.4   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 350.  *   0.2   0.2   0.2   0.0   0.0   0.1   0.2   0.3   0.4   0.4   0.1   0.1   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 355.  *   0.2   0.2   0.2   0.0   0.0   0.1   0.2   0.4   0.2   0.3   0.1   0.0   0.1   0.1   0.1   0.0   0.0   0.0
0.0   0.0
 360.  *   0.2   0.2   0.2   0.0   0.0   0.1   0.2   0.4   0.4   0.2   0.3   0.1   0.4   0.1   0.1   0.0   0.0   0.3
0.2   0.0

------*-----------------------------------------------------------------------------------------------------------
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 MAX   *   0.3   0.5   0.6   0.8   0.2   0.2   0.5   0.7   0.9   0.7   0.5   0.6   0.5   0.5   0.2   0.2   0.4   0.5
0.6   0.5
 DEGR. *  185   195   185   215   220   265   305   205   205   205   120   170    55    30   160   120    40   125
115   170
```



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 MODEL RESULTS
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 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 *      (PPM)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38
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REC39 REC40

0.	*	0.3	0.3	0.2	0.0	0.0	0.2	0.2	0.5	0.5	0.5	0.4	0.9	1.1	0.6	0.5	0.5	0.4	0.3	0.0 0.0
5.	*	0.1	0.1	0.1	0.0	0.0	0.2	0.3	0.5	0.2	0.3	0.7	0.8	1.1	0.6	0.5	0.3	0.2	0.1	0.0 0.0
10.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.2	0.7	1.0	1.0	0.8	0.6	0.1	0.1	0.1	0.0 0.0
15.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.7	1.0	0.8	0.8	0.6	0.1	0.0	0.0	0.0 0.0
20.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.6	0.8	0.8	0.9	0.6	0.0	0.0	0.0	0.0 0.0
25.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.6	0.9	0.6	0.9	0.6	0.0	0.0	0.0	0.0 0.0
30.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.7	0.7	0.6	0.9	0.6	0.0	0.0	0.0	0.0 0.0
35.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.7	0.7	0.7	0.9	0.6	0.0	0.0	0.0	0.0 0.0
40.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.7	0.7	0.7	0.9	0.6	0.0	0.0	0.0	0.0 0.0
45.	*	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.1	0.0	0.7	0.6	0.6	0.8	0.6	0.0	0.0	0.0	0.0 0.0
50.	*	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.1	0.0	0.6	0.7	0.5	0.8	0.7	0.0	0.0	0.0	0.0 0.0
55.	*	0.0	0.0	0.1	0.0	0.0	0.2	0.3	0.3	0.0	0.0	0.6	0.7	0.5	0.7	0.7	0.0	0.0	0.0	0.0 0.0
60.	*	0.0	0.0	0.1	0.1	0.0	0.1	0.2	0.3	0.0	0.0	0.6	0.7	0.6	0.6	0.6	0.0	0.0	0.0	0.0 0.0
65.	*	0.0	0.0	0.1	0.1	0.0	0.1	0.2	0.2	0.0	0.0	0.6	0.6	0.6	0.6	0.5	0.0	0.0	0.0	0.0 0.0
70.	*	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.6	0.6	0.4	0.5	0.3	0.0	0.0	0.0	0.0 0.0
75.	*	0.0	0.0	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.6	0.6	0.4	0.5	0.4	0.0	0.0	0.0	0.0 0.0
80.	*	0.0	0.0	0.3	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.6	0.6	0.4	0.3	0.2	0.0	0.0	0.0	0.0 0.0
85.	*	0.0	0.0	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.3	0.3	0.1	0.0	0.0	0.0	0.0 0.0
90.	*	0.0	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	0.0 0.0
95.	*	0.0	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	0.1 0.0
100.	*	0.0	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	0.1 0.0
105.	*	0.0	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	0.1 0.0
110.	*	0.0	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	0.1 0.0
115.	*	0.1	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	0.1 0.0
120.	*	0.1	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	0.1 0.0
125.	*	0.1	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	0.1 0.0
130.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.4	0.3	0.1	0.0	0.0	0.2	0.2 0.0
135.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.5	0.3	0.1	0.0	0.0	0.3	0.2 0.0
140.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.5	0.3	0.1	0.0	0.0	0.3	0.2 0.1
145.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.5	0.3	0.1	0.0	0.0	0.3	0.2 0.1
150.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.8	0.5	0.3	0.1	0.0	0.0	0.3	0.2 0.1
155.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.6	0.3	0.1	0.0	0.0	0.3	0.2 0.1
160.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.9	0.7	0.3	0.0	0.0	0.0	0.3	0.2 0.1
165.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.6	0.9	0.8	0.3	0.0	0.0	0.0	0.2	0.2 0.1
170.	*	0.1	0.2	0.3	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.4	0.9	0.8	0.1	0.0	0.0	0.0	0.1	0.2 0.1
175.	*	0.2	0.2	0.3	0.2	0.2	0.0	0.0	0.2	0.2	0.2	0.4	0.8	0.8	0.0	0.0	0.1	0.0	0.1	0.2 0.1
180.	*	0.3	0.3	0.5	0.2	0.2	0.0	0.0	0.4	0.3	0.3	0.4	0.6	0.8	0.0	0.0	0.1	0.0	0.1	0.2 0.1
185.	*	0.4	0.3	0.5	0.4	0.3	0.0	0.1	0.5	0.6	0.5	0.1	0.5	0.7	0.0	0.0	0.1	0.1	0.1	0.2 0.1
190.	*	0.5	0.5	0.8	0.4	0.3	0.0	0.1	0.7	0.7	0.5	0.1	0.3	0.5	0.0	0.0	0.2	0.1	0.1	0.2 0.1
195.	*	0.4	0.5	0.8	0.5	0.4	0.1	0.2	0.7	0.7	0.7	0.0	0.2	0.4	0.0	0.0	0.2	0.1	0.1	0.2 0.1
200.	*	0.7	0.6	0.8	0.5	0.4	0.1	0.2	0.7	0.7	0.7	0.0	0.1	0.4	0.0	0.0	0.2	0.1	0.1	0.2 0.1
205.	*	0.7	0.6	0.8	0.5	0.4	0.1	0.3	0.7	0.7	0.7	0.0	0.1	0.4	0.0	0.0	0.3	0.2	0.1	0.2 0.1

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210.	*	0.7	0.5	0.8	0.5	0.4	0.1	0.3	0.7	0.7	0.7	0.0	0.1	0.3	0.0	0.0	0.3	0.2	0.1	0.2	0.1
215.	*	0.7	0.6	0.7	0.5	0.4	0.1	0.2	0.6	0.7	0.7	0.0	0.1	0.3	0.0	0.0	0.3	0.2	0.1	0.2	0.1
220.	*	0.6	0.7	0.7	0.6	0.4	0.1	0.2	0.6	0.6	0.6	0.0	0.0	0.3	0.0	0.0	0.3	0.2	0.1	0.2	0.1
225.	*	0.5	0.6	0.8	0.7	0.4	0.1	0.2	0.6	0.6	0.6	0.0	0.0	0.2	0.0	0.0	0.3	0.2	0.1	0.2	0.1
230.	*	0.4	0.6	0.8	0.6	0.5	0.1	0.2	0.6	0.6	0.6	0.0	0.0	0.2	0.0	0.0	0.3	0.2	0.1	0.2	0.1
235.	*	0.4	0.6	0.7	0.5	0.5	0.1	0.3	0.7	0.6	0.6	0.0	0.0	0.3	0.1	0.1	0.3	0.2	0.1	0.2	0.1
240.	*	0.4	0.6	0.7	0.5	0.4	0.4	0.4	0.7	0.6	0.6	0.0	0.0	0.4	0.2	0.1	0.3	0.2	0.1	0.2	0.1
245.	*	0.4	0.5	0.7	0.4	0.4	0.4	0.5	0.8	0.6	0.6	0.0	0.0	0.5	0.3	0.2	0.3	0.2	0.1	0.2	0.1
250.	*	0.4	0.5	0.5	0.5	0.3	0.4	0.6	0.9	0.7	0.6	0.0	0.1	0.7	0.4	0.4	0.3	0.2	0.1	0.2	0.1
255.	*	0.4	0.4	0.4	0.4	0.3	0.4	0.7	0.9	0.7	0.6	0.0	0.1	0.7	0.5	0.4	0.3	0.2	0.1	0.0	0.1
260.	*	0.4	0.4	0.5	0.3	0.0	0.5	0.7	1.0	0.7	0.7	0.1	0.1	0.9	0.6	0.5	0.3	0.3	0.1	0.0	0.0
265.	*	0.4	0.3	0.3	0.2	0.0	0.5	0.6	1.0	0.9	0.7	0.1	0.2	0.9	0.7	0.6	0.3	0.3	0.1	0.0	0.0
270.	*	0.4	0.3	0.3	0.2	0.0	0.4	0.5	1.0	0.9	0.7	0.1	0.3	0.9	0.7	0.6	0.3	0.3	0.1	0.0	0.0
275.	*	0.4	0.3	0.3	0.2	0.0	0.3	0.6	0.8	0.9	0.7	0.1	0.3	0.9	0.7	0.6	0.3	0.3	0.2	0.0	0.0
280.	*	0.4	0.3	0.3	0.2	0.0	0.3	0.5	0.7	0.9	0.8	0.1	0.3	0.9	0.7	0.6	0.2	0.3	0.2	0.0	0.0
285.	*	0.4	0.3	0.3	0.1	0.0	0.3	0.5	0.7	0.9	0.8	0.1	0.3	0.8	0.6	0.6	0.2	0.3	0.2	0.0	0.0
290.	*	0.4	0.3	0.4	0.1	0.0	0.3	0.5	0.6	0.8	0.8	0.1	0.3	0.8	0.6	0.6	0.2	0.3	0.2	0.0	0.0
295.	*	0.4	0.3	0.4	0.2	0.0	0.3	0.6	0.4	0.8	0.8	0.2	0.3	0.8	0.6	0.6	0.2	0.3	0.2	0.0	0.0
300.	*	0.4	0.3	0.4	0.2	0.0	0.3	0.6	0.6	0.8	0.8	0.2	0.2	0.8	0.6	0.6	0.2	0.3	0.2	0.0	0.0
305.	*	0.4	0.3	0.4	0.2	0.0	0.3	0.6	0.6	0.8	0.8	0.2	0.2	0.8	0.6	0.6	0.2	0.3	0.2	0.0	0.0
310.	*	0.3	0.3	0.5	0.2	0.0	0.2	0.5	0.6	0.8	0.8	0.2	0.2	0.9	0.6	0.5	0.3	0.3	0.2	0.0	0.0
315.	*	0.3	0.4	0.5	0.2	0.0	0.2	0.4	0.6	0.8	0.8	0.2	0.2	0.8	0.5	0.5	0.3	0.3	0.2	0.2	0.1
320.	*	0.3	0.5	0.5	0.2	0.0	0.2	0.5	0.6	0.7	0.8	0.2	0.3	0.8	0.5	0.5	0.3	0.3	0.3	0.2	0.1
325.	*	0.4	0.5	0.4	0.2	0.0	0.2	0.5	0.6	0.7	0.8	0.2	0.3	0.8	0.5	0.5	0.4	0.3	0.3	0.3	0.1
330.	*	0.4	0.4	0.4	0.1	0.0	0.2	0.4	0.6	0.7	0.7	0.2	0.3	0.9	0.5	0.5	0.4	0.4	0.3	0.3	0.1
335.	*	0.4	0.4	0.4	0.1	0.0	0.3	0.5	0.8	0.8	0.7	0.2	0.4	0.8	0.5	0.5	0.5	0.4	0.3	0.3	0.1
340.	*	0.4	0.4	0.3	0.1	0.0	0.3	0.4	0.7	0.8	0.7	0.3	0.5	1.0	0.6	0.6	0.5	0.4	0.4	0.3	0.1
345.	*	0.4	0.5	0.4	0.1	0.0	0.2	0.3	0.6	0.8	0.7	0.3	0.5	0.9	0.5	0.5	0.5	0.4	0.4	0.3	0.1
350.	*	0.3	0.5	0.4	0.1	0.0	0.2	0.3	0.5	0.5	0.7	0.4	0.6	0.9	0.5	0.5	0.6	0.4	0.4	0.2	0.0
355.	*	0.3	0.3	0.4	0.0	0.0	0.2	0.2	0.5	0.5	0.6	0.4	0.7	0.8	0.5	0.5	0.5	0.4	0.3	0.1	0.0
360.	*	0.3	0.3	0.2	0.0	0.0	0.2	0.2	0.5	0.5	0.5	0.4	0.9	1.1	0.6	0.5	0.5	0.4	0.3	0.0	0.0
MAX	*	0.7	0.7	0.8	0.7	0.5	0.5	0.7	1.0	0.9	0.8	0.7	1.0	1.1	0.9	0.7	0.6	0.4	0.4	0.3	0.1
DEGR.	*	200	220	190	225	230	260	255	260	265	280	5	15	0	20	50	350	0	340	325	140

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)	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
	CONCENTRATION (PPM)														
0.	0.1	0.1	0.4	0.3	0.1	0.3	0.4	0.4	0.5	0.3	0.0	0.0	0.5	0.2	0.3
5.	0.1	0.1	0.2	0.1	0.0	0.3	0.4	0.4	0.5	0.5	0.0	0.1	0.7	0.5	0.3
10.	0.1	0.1	0.1	0.0	0.0	0.0	0.4	0.4	0.5	0.5	0.0	0.1	0.6	0.5	0.3
15.	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.0	0.2	0.5	0.4	0.4
20.	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.0	0.2	0.6	0.4	0.5
25.	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.4	0.5	0.0	0.3	0.6	0.4	0.5
30.	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.0	0.3	0.5	0.3	0.5
35.	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.0	0.3	0.5	0.4	0.5
40.	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.0	0.4	0.4	0.4	0.4
45.	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.0	0.4	0.3	0.4	0.4
50.	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.0	0.4	0.3	0.4	0.4
55.	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.0	0.4	0.4	0.5	0.4
60.	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.2	0.4	0.3	0.5	0.4
65.	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.2	0.5	0.3	0.5	0.4
70.	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.4
75.	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.5	0.3
80.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.6	0.6	0.6	0.3
85.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.6	0.5	0.6	0.6	0.3
90.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.6	0.6	0.5	0.6	0.3
95.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.6	0.7	0.5	0.6	0.3
100.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.3	0.6	0.7	0.5	0.6	0.4
105.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.3	0.7	0.8	0.5	0.6	0.4
110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.7	0.7	0.4	0.5	0.4
115.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.7	0.8	0.4	0.5	0.4
120.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.6	0.8	0.5	0.5	0.4
125.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.8	0.6	0.5	0.4
130.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.8	0.6	0.5	0.4
135.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.5	0.5	0.5
140.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.5	0.5	0.5
145.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.6	0.5	0.5
150.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.7	0.6	0.5
155.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.7	0.7	0.6	0.5
160.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.8	0.9	0.6	0.5
165.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.7	0.9	0.7	0.5
170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	1.0	0.6	0.6
175.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.0	0.5	0.6
180.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.6	0.7
185.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.9	0.6	0.6
190.	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.9	0.4	0.4
195.	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.9	0.4	0.4
200.	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.9	0.4	0.4
205.	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.8	0.4	0.4

JOB: Ronkonkama RUN: NOBUILD

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
	CONCENTRATION (PPM)														
210.	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.9	0.4	0.3
215.	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.9	0.5	0.3
220.	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.9	0.5	0.3
225.	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.8	0.5	0.2
230.	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.8	0.5	0.2
235.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.8	0.4	0.2
240.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.8	0.3	0.2
245.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.7	0.3	0.1
250.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.6	0.3	0.1
255.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.2	0.1
260.	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.2	0.1
265.	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1
270.	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
275.	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
280.	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
285.	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
290.	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
295.	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
300.	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
305.	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1
310.	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1
315.	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1
320.	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.1
325.	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2
330.	0.2	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2
335.	0.2	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.2
340.	0.2	0.4	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.2
345.	0.2	0.4	0.5	0.3	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.4	0.2	0.2
350.	0.1	0.3	0.5	0.3	0.3	0.1	0.2	0.4	0.3	0.2	0.0	0.0	0.4	0.2	0.1
355.	0.1	0.2	0.5	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.0	0.0	0.4	0.2	0.1
360.	0.1	0.1	0.4	0.3	0.1	0.3	0.4	0.4	0.5	0.3	0.0	0.0	0.5	0.2	0.3
MAX	0.2	0.4	0.5	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	1.0	0.7	0.7
DEGR.	325	335	345	0	350	0	0	0	0	15	105	105	170	165	180

THE HIGHEST CONCENTRATION OF 1.10 PPM OCCURRED AT RECEPTOR REC33.

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

JOB: Ronkonkama RUN: BUILD

DATE : 6/ 5/13
TIME : 9:18:18

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

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 PPM

LINK VARIABLES

	LINK DESCRIPTION	*	LINK COORDINATES (FT) X1	Y1	X2	Y2	*	LENGTH (FT)	BRG (DEG)	TYPE	VPH (VEH)	EF (G/MI)	H (FT)	W (FT)	V/C	QUEUE
1.	LIE N/Hawkins SB TTR	*	3375.1	5903.8	3376.6	6018.4	*	115.	1.	AG	92.	100.0	1.0	20.0	0.64	5.8
2.	LIE N/Hawk WB LTTR	*	3446.1	5872.5	3544.1	5889.4	*	100.	80.	AG	111.	100.0	1.0	30.0	0.51	5.1
3.	LIE N/Hawkins NB L	*	3393.3	5814.6	3346.6	3433.7	*	2381.	181.	AG	65.	100.0	1.0	10.0	2.88	121.0
4.	LIE N/Hawkins NB TT	*	3416.2	5814.3	3415.8	5689.2	*	125.	180.	AG	92.	100.0	1.0	20.0	0.70	6.4
5.	LIE S/Hawkins SB L	*	3391.1	5495.9	3411.4	6938.9	*	1443.	1.	AG	58.	100.0	1.0	10.0	1.43	73.3
6.	LIE S/Hawkins SB TT	*	3370.8	5481.6	3372.7	5586.0	*	104.	1.	AG	111.	100.0	1.0	20.0	0.75	5.3
7.	LIE S/Hawkins NB TTR	*	3405.1	5396.8	3359.1	3358.0	*	2039.	181.	AG	111.	100.0	1.0	20.0	1.54	103.6
8.	LIE S/Hawk EB LTTR	*	3339.3	5401.9	2231.6	4988.3	*	1182.	250.	AG	111.	100.0	1.0	30.0	1.12	60.1
9.	Hawk/Union SB L	*	3390.6	4708.0	3229.3	6783.0	*	2081.	356.	AG	57.	100.0	1.0	10.0	1.66	105.7
10.	Hawk/Union SB T	*	3377.8	4706.1	3373.5	4748.0	*	42.	354.	AG	20.	100.0	1.0	10.0	0.33	2.1
11.	Hawk/Union WB L	*	3438.0	4679.8	3463.1	4682.3	*	25.	84.	AG	54.	100.0	1.0	10.0	0.23	1.3
12.	Hawk/Union WB R	*	3437.3	4691.3	3549.9	4707.3	*	114.	82.	AG	37.	100.0	1.0	10.0	0.73	5.8
13.	Hawk/Union NB TR	*	3412.5	4623.3	3426.5	4501.5	*	123.	173.	AG	37.	100.0	1.0	10.0	0.77	6.2
14.	LIE N/Hawkins N	*	3393.0	5863.0	3401.9	6218.8	*	356.	1.	AG	1516.	2.5	1.0	72.0		
15.	LIE N/Hawkins E	*	3393.0	5863.0	3735.4	5914.4	*	346.	81.	AG	975.	4.0	1.0	54.0		
16.	LIE N/Hawkins S	*	3393.0	5863.0	3393.0	5611.5	*	252.	180.	AG	1527.	2.5	1.0	78.0		
17.	LIE N/Hawkins W	*	3393.0	5863.0	3036.7	5815.2	*	359.	262.	AG	834.	4.0	1.0	54.0		
18.	LIE S/Hawkins N	*	3387.1	5425.3	3394.1	5670.0	*	245.	2.	AG	1527.	2.5	1.0	78.0		
19.	LIE S/Hawkins E	*	3387.1	5425.3	3651.9	5538.9	*	288.	67.	AG	2293.	4.0	1.0	54.0		
20.	LIE S/Hawkins S	*	3387.1	5425.3	3381.2	5147.1	*	278.	181.	AG	1200.	2.5	1.0	66.0		
21.	LIE S/Hawkins W	*	3387.1	5425.3	3108.2	5320.4	*	298.	249.	AG	2284.	4.0	1.0	54.0		
22.	Union/Hawkins N	*	3401.1	4668.8	3378.9	4869.0	*	201.	354.	AG	1206.	2.5	1.0	54.0		
23.	Union/Hawkins E	*	3401.1	4668.8	3620.2	4699.3	*	221.	82.	AG	985.	2.5	1.0	54.0		
24.	Union/Hawkins S	*	3401.1	4668.8	3421.1	4497.9	*	172.	173.	AG	559.	2.5	1.0	42.0		

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JOB: Ronkonkama RUN: BUILD

DATE : 6/ 5/13
TIME : 9:18:18

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
1.	LIE N/Hawkins SB TTR	*	100	62	3.0	676	1600	27.59	1	3
2.	LIE N/Hawk WB LTTR	*	100	50	3.0	1092	1600	27.59	1	3
3.	LIE N/Hawkins NB L	*	100	88	3.0	323	1600	27.59	1	3
4.	LIE N/Hawkins NB TT	*	100	62	3.0	739	1600	27.59	1	3
5.	LIE S/Hawkins SB L	*	100	78	3.0	390	1600	27.59	1	3
6.	LIE S/Hawkins SB TT	*	100	75	3.0	479	1600	27.59	1	3
7.	LIE S/Hawkins NB TTR	*	100	75	3.0	986	1600	27.59	1	3
8.	LIE S/Hawk EB LTTR	*	100	50	3.0	2411	1600	27.59	1	3
9.	Hawk/Union SB L	*	81	62	3.0	458	1600	27.59	1	3
10.	Hawk/Union SB T	*	81	22	3.0	350	1600	27.59	1	3
11.	Hawk/Union WB L	*	81	59	3.0	78	1600	27.59	1	3
12.	Hawk/Union WB R	*	81	40	3.0	520	1600	27.59	1	3
13.	Hawk/Union NB TR	*	81	41	3.0	534	1600	27.59	1	3

RECEPTOR LOCATIONS

RECEPTOR	*	COORDINATES (FT) X	Y	Z	*

1.	LIE N/Hawk NE1	*	3443.9	6057.5	6.0 *
2.	LIE N/Hawk NE2	*	3442.0	5982.5	6.0 *
3.	LIE N/Hawk NE3	*	3440.1	5907.5	6.0 *
4.	LIE N/Hawk NE4	*	3514.3	5918.6	6.0 *
5.	LIE N/Hawk NE5	*	3588.4	5929.8	6.0 *
6.	LIE N/Hawk SE1	*	3590.3	5855.2	6.0 *
7.	LIE N/Hawk SE2	*	3516.2	5844.1	6.0 *
8.	LIE N/Hawk SE3	*	3442.0	5833.0	6.0 *
9.	LIE N/Hawk SE4	*	3442.0	5758.0	6.0 *
10.	LIE N/Hawk SE5	*	3442.0	5683.0	6.0 *
11.	LIE N/Hawk SW1	*	3344.0	5669.1	6.0 *
12.	LIE N/Hawk SW2	*	3344.0	5744.4	6.0 *
13.	LIE N/Hawk SW3	*	3344.0	5819.1	6.0 *
14.	LIE N/Hawk SW4	*	3269.6	5809.1	6.0 *
15.	LIE N/Hawk SW5	*	3195.3	5799.2	6.0 *
16.	LIE N/Hawk NW1	*	3199.1	5874.3	6.0 *
17.	LIE N/Hawk NW2	*	3273.4	5884.3	6.0 *
18.	LIE N/Hawk NW3	*	3347.8	5894.3	6.0 *
19.	LIE N/Hawk NW4	*	3349.6	5969.3	6.0 *
20.	LIE N/Hawk NW5	*	3351.5	6044.3	6.0 *
21.	LIE S/Hawk NE1	*	3442.2	5637.3	6.0 *
22.	LIE S/Hawk NE2	*	3440.0	5562.3	6.0 *
23.	LIE S/Hawk NE3	*	3437.9	5487.3	6.0 *
24.	LIE S/Hawk NE4	*	3506.8	5516.9	6.0 *
25.	LIE S/Hawk NE5	*	3575.7	5546.5	6.0 *
26.	LIE S/Hawk SE1	*	3567.5	5462.4	6.0 *
27.	LIE S/Hawk SE2	*	3498.5	5432.8	6.0 *
28.	LIE S/Hawk SE3	*	3429.6	5403.3	6.0 *
29.	LIE S/Hawk SE4	*	3428.0	5328.3	6.0 *
30.	LIE S/Hawk SE5	*	3426.4	5253.3	6.0 *
31.	LIE S/Hawk SW1	*	3339.7	5219.1	6.0 *
32.	LIE S/Hawk SW2	*	3341.3	5294.1	6.0 *

PAGE 3

JOB: Ronkonkama RUN: BUILD

DATE : 6/ 5/13
TIME : 9:18:18

RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
33.	LIE S/Hawk SW3	*	3342.9	5369.1	6.0	*
34.	LIE S/Hawk SW4	*	3272.7	5342.7	6.0	*
35.	LIE S/Hawk SW5	*	3202.5	5316.3	6.0	*
36.	Hawk/Union NE1	*	3417.1	4859.8	6.0	*
37.	Hawk/Union NE2	*	3425.4	4785.3	6.0	*
38.	Hawk/Union NE3	*	3433.7	4710.7	6.0	*
39.	Hawk/Union NE4	*	3509.1	4721.2	6.0	*
40.	Hawk/Union NE5	*	3582.3	4731.3	6.0	*
41.	Hawk/Union SE1	*	3584.7	4657.0	6.0	*
42.	Hawk/Union SE2	*	3510.4	4646.6	6.0	*
43.	Hawk/Union SE3	*	3436.1	4636.3	6.0	*
44.	Hawk/Union SE4	*	3444.8	4561.8	6.0	*
45.	Hawk/Union SE5	*	3453.0	4487.3	6.0	*
46.	Hawk/Union W1	*	3388.8	4506.5	6.0	*
47.	Hawk/Union W2	*	3380.2	4581.0	6.0	*
48.	Hawk/Union W3	*	3371.5	4655.5	6.0	*
49.	Hawk/Union W4	*	3357.2	4729.1	6.0	*
50.	Hawk/Union W5	*	3348.9	4803.7	6.0	*
51.	LIE S/Hawk NW1	*	3198.3	5393.8	6.0	*
52.	LIE S/Hawk NW2	*	3268.5	5420.2	6.0	*
53.	LIE S/Hawk NW3	*	3338.7	5446.6	6.0	*
54.	LIE S/Hawk NW4	*	3340.8	5521.6	6.0	*
55.	LIE S/Hawk NW5	*	3343.0	5596.5	6.0	*

PAGE 4

JOB: Ronkonkama RUN: BUILD

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.	*	0.2	0.2	0.2	0.0	0.0	0.1	0.3	0.4	0.4	0.2	0.3	0.2	0.5	0.2	0.1	0.0	0.1	0.3	0.2	0.1
5.	*	0.1	0.1	0.2	0.0	0.0	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.2	0.1	0.1	0.2	0.3	0.2	0.2

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  10.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.3   0.3   0.2   0.1   0.2   0.4   0.4   0.2   0.2   0.1   0.2   0.4
0.2   0.2
  15.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.3   0.3   0.2   0.1   0.3   0.3   0.4   0.3   0.2   0.1   0.3   0.4
0.3   0.2
  20.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.3   0.3   0.2   0.1   0.4   0.3   0.4   0.3   0.2   0.1   0.2   0.4
0.3   0.2
  25.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.3   0.3   0.2   0.0   0.4   0.2   0.4   0.4   0.2   0.1   0.2   0.4
0.3   0.2
  30.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.3   0.3   0.2   0.0   0.4   0.2   0.4   0.5   0.2   0.1   0.3   0.4
0.4   0.2
  35.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.2   0.3   0.2   0.0   0.4   0.3   0.3   0.5   0.2   0.1   0.3   0.4
0.4   0.2
  40.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.2   0.4   0.2   0.0   0.4   0.5   0.4   0.5   0.2   0.1   0.4   0.4
0.4   0.2
  45.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.2   0.4   0.1   0.0   0.4   0.6   0.4   0.4   0.2   0.1   0.3   0.4
0.4   0.2
  50.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.2   0.3   0.1   0.0   0.4   0.6   0.5   0.2   0.1   0.1   0.3   0.4
0.4   0.2
  55.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.0   0.0   0.4   0.6   0.5   0.2   0.1   0.1   0.3   0.4
0.4   0.2
  60.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.0   0.0   0.4   0.5   0.5   0.2   0.1   0.0   0.3   0.4
0.4   0.2
  65.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.3   0.0   0.0   0.4   0.4   0.4   0.3   0.1   0.1   0.3   0.3
0.4   0.2
  70.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.2   0.0   0.0   0.4   0.4   0.4   0.4   0.1   0.0   0.3   0.3
0.4   0.2
  75.  *   0.0   0.0   0.0   0.0   0.0   0.1   0.1   0.2   0.0   0.0   0.4   0.4   0.4   0.4   0.1   0.0   0.3   0.3
0.4   0.2
  80.  *   0.0   0.0   0.1   0.1   0.0   0.1   0.1   0.1   0.0   0.0   0.3   0.4   0.4   0.2   0.1   0.0   0.2   0.5
0.4   0.2
  85.  *   0.0   0.0   0.2   0.1   0.1   0.0   0.1   0.1   0.0   0.0   0.3   0.4   0.3   0.1   0.0   0.1   0.3   0.4
0.4   0.2
  90.  *   0.0   0.0   0.2   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.2   0.2   0.0   0.1   0.4   0.4
0.4   0.2
  95.  *   0.0   0.0   0.3   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.3   0.3   0.0   0.1   0.4   0.4
0.4   0.2
 100.  *   0.0   0.0   0.3   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.3   0.0   0.1   0.4   0.4
0.4   0.2
 105.  *   0.0   0.0   0.3   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.3   0.0   0.1   0.2   0.4
0.5   0.2
 110.  *   0.0   0.0   0.4   0.1   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.3   0.0   0.1   0.2   0.4
0.6   0.2
 115.  *   0.0   0.1   0.4   0.2   0.1   0.0   0.0   0.0   0.0   0.0   0.4   0.4   0.4   0.3   0.0   0.1   0.2   0.4
0.6   0.2
 120.  *   0.0   0.1   0.4   0.2   0.1   0.0   0.0   0.0   0.0   0.0   0.5   0.4   0.4   0.4   0.0   0.2   0.2   0.4
0.6   0.2
 125.  *   0.0   0.1   0.4   0.2   0.1   0.0   0.0   0.0   0.0   0.0   0.5   0.4   0.4   0.4   0.0   0.2   0.4   0.5
0.6   0.3
 130.  *   0.0   0.2   0.4   0.2   0.1   0.0   0.0   0.0   0.0   0.1   0.5   0.4   0.4   0.3   0.1   0.2   0.4   0.3
0.6   0.3
 135.  *   0.0   0.2   0.4   0.3   0.1   0.0   0.0   0.0   0.0   0.1   0.5   0.4   0.4   0.2   0.1   0.2   0.4   0.4
0.6   0.4
 140.  *   0.0   0.2   0.4   0.3   0.1   0.0   0.0   0.0   0.0   0.1   0.5   0.4   0.4   0.2   0.1   0.2   0.5   0.4
0.4   0.5
 145.  *   0.0   0.2   0.3   0.3   0.1   0.0   0.0   0.0   0.0   0.1   0.5   0.4   0.4   0.2   0.1   0.2   0.4   0.4
0.4   0.5
 150.  *   0.0   0.2   0.3   0.3   0.1   0.0   0.0   0.0   0.1   0.1   0.6   0.5   0.4   0.2   0.1   0.2   0.3   0.5
0.4   0.4
 155.  *   0.1   0.2   0.3   0.3   0.1   0.0   0.0   0.0   0.1   0.1   0.5   0.5   0.4   0.2   0.2   0.2   0.4   0.5
0.4   0.4
 160.  *   0.1   0.2   0.3   0.4   0.1   0.0   0.0   0.1   0.1   0.1   0.6   0.5   0.3   0.3   0.3   0.4   0.4   0.5
0.7   0.4
 165.  *   0.1   0.2   0.3   0.4   0.1   0.0   0.0   0.1   0.1   0.1   0.5   0.6   0.4   0.3   0.3   0.4   0.5   0.5
0.6   0.5
 170.  *   0.1   0.2   0.2   0.4   0.1   0.0   0.0   0.1   0.2   0.2   0.5   0.7   0.5   0.3   0.1   0.3   0.5   0.5
0.6   0.6
 175.  *   0.3   0.4   0.5   0.4   0.1   0.0   0.1   0.3   0.3   0.3   0.5   0.6   0.5   0.3   0.1   0.2   0.4   0.6
0.6   0.7
 180.  *   0.3   0.5   0.6   0.5   0.1   0.0   0.2   0.4   0.3   0.4   0.6   0.5   0.4   0.2   0.1   0.1   0.3   0.5
0.4   0.6
 185.  *   0.4   0.5   0.7   0.6   0.2   0.2   0.3   0.5   0.5   0.4   0.5   0.4   0.3   0.0   0.1   0.1   0.2   0.4
0.3   0.4
 190.  *   0.4   0.6   0.6   0.6   0.2   0.2   0.2   0.6   0.6   0.4   0.5   0.3   0.1   0.1   0.1   0.1   0.1   0.2
0.1   0.1
 195.  *   0.3   0.5   0.6   0.6   0.3   0.3   0.2   0.7   0.8   0.6   0.4   0.3   0.2   0.1   0.1   0.1   0.1   0.2
0.1   0.1
 200.  *   0.3   0.5   0.6   0.5   0.3   0.2   0.2   0.6   0.9   0.8   0.3   0.3   0.2   0.1   0.1   0.2   0.2   0.3
0.1   0.1
 205.  *   0.3   0.2   0.7   0.6   0.2   0.1   0.1   0.7   0.9   0.8   0.3   0.2   0.2   0.1   0.1   0.2   0.2   0.3
0.1   0.1
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 WIND  * CONCENTRATION
 ANGLE *      (PPM)
 (DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18
REC19 REC20
 REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
 REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

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 210.  *   0.3   0.3   0.5   0.8   0.1   0.0   0.3   0.6   0.8   0.8   0.3   0.2   0.2   0.1   0.1   0.2   0.2   0.3
0.2   0.1
 215.  *   0.3   0.4   0.4   0.9   0.3   0.0   0.3   0.6   0.6   0.7   0.2   0.2   0.2   0.1   0.1   0.2   0.2   0.3
0.1   0.1
 220.  *   0.3   0.3   0.5   0.8   0.3   0.1   0.4   0.6   0.6   0.7   0.2   0.2   0.2   0.1   0.1   0.1   0.1   0.3
0.1   0.1
 225.  *   0.3   0.3   0.5   0.7   0.3   0.1   0.4   0.6   0.6   0.5   0.2   0.2   0.2   0.1   0.0   0.1   0.1   0.2
0.1   0.1
 230.  *   0.3   0.3   0.4   0.3   0.4   0.1   0.4   0.5   0.6   0.5   0.2   0.2   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.1
 235.  *   0.3   0.3   0.4   0.3   0.3   0.2   0.2   0.4   0.6   0.5   0.2   0.1   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.1
 240.  *   0.3   0.3   0.4   0.3   0.3   0.1   0.2   0.4   0.5   0.5   0.2   0.1   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.1
 245.  *   0.2   0.3   0.3   0.2   0.3   0.1   0.2   0.4   0.5   0.4   0.1   0.1   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.1
 250.  *   0.2   0.3   0.3   0.3   0.3   0.0   0.2   0.2   0.5   0.4   0.1   0.1   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.1
 255.  *   0.2   0.3   0.3   0.3   0.2   0.0   0.1   0.2   0.5   0.3   0.1   0.1   0.1   0.0   0.0   0.1   0.1   0.2
0.1   0.1
 260.  *   0.2   0.3   0.3   0.0   0.2   0.2   0.0   0.3   0.5   0.3   0.1   0.1   0.2   0.0   0.0   0.1   0.1   0.2
0.1   0.1
 265.  *   0.2   0.3   0.4   0.0   0.1   0.2   0.2   0.3   0.5   0.3   0.1   0.1   0.2   0.1   0.1   0.0   0.1   0.2
0.1   0.1
 270.  *   0.2   0.3   0.3   0.2   0.0   0.2   0.2   0.3   0.5   0.4   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 275.  *   0.2   0.3   0.3   0.2   0.0   0.3   0.3   0.3   0.5   0.4   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 280.  *   0.2   0.3   0.3   0.2   0.0   0.3   0.2   0.3   0.5   0.4   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 285.  *   0.2   0.3   0.3   0.2   0.0   0.3   0.2   0.3   0.5   0.4   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 290.  *   0.2   0.3   0.3   0.2   0.0   0.3   0.2   0.4   0.5   0.4   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 295.  *   0.2   0.3   0.3   0.2   0.0   0.3   0.3   0.4   0.6   0.5   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 300.  *   0.2   0.3   0.3   0.2   0.0   0.3   0.4   0.4   0.6   0.5   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 305.  *   0.2   0.2   0.3   0.1   0.0   0.2   0.5   0.4   0.5   0.5   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 310.  *   0.2   0.2   0.3   0.1   0.0   0.2   0.5   0.3   0.5   0.5   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 315.  *   0.2   0.2   0.3   0.2   0.0   0.2   0.5   0.4   0.5   0.5   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 320.  *   0.2   0.2   0.3   0.2   0.0   0.2   0.5   0.4   0.4   0.6   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 325.  *   0.2   0.2   0.3   0.2   0.0   0.1   0.5   0.5   0.5   0.7   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 330.  *   0.2   0.2   0.3   0.2   0.0   0.1   0.5   0.5   0.5   0.7   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 335.  *   0.2   0.2   0.3   0.1   0.0   0.1   0.4   0.5   0.6   0.7   0.1   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 340.  *   0.2   0.2   0.2   0.1   0.0   0.1   0.4   0.4   0.6   0.6   0.2   0.1   0.2   0.1   0.1   0.0   0.0   0.1
0.1   0.1
 345.  *   0.2   0.2   0.2   0.1   0.0   0.1   0.4   0.4   0.5   0.4   0.2   0.1   0.2   0.1   0.1   0.0   0.1   0.1
0.1   0.1
 350.  *   0.2   0.2   0.2   0.1   0.0   0.1   0.4   0.3   0.4   0.4   0.1   0.1   0.2   0.2   0.1   0.0   0.1   0.1
0.1   0.1
 355.  *   0.2   0.2   0.2   0.0   0.0   0.1   0.3   0.4   0.2   0.3   0.1   0.1   0.2   0.2   0.1   0.0   0.1   0.1
0.1   0.0
 360.  *   0.2   0.2   0.2   0.0   0.0   0.1   0.3   0.4   0.4   0.2   0.3   0.2   0.5   0.2   0.1   0.0   0.1   0.3
0.2   0.1

------*----------------------------------------------------------------------------------------------------------------
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 MAX   *   0.4   0.6   0.7   0.9   0.4   0.3   0.5   0.7   0.9   0.8   0.6   0.7   0.5   0.5   0.3   0.4   0.5   0.6
0.7   0.7
 DEGR. *  185   190   185   215   230   195   305   195   200   200   150   170     0    30   160   160   140   175
160   175
```



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 MODEL RESULTS
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 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 *      (PPM)
 (DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38
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REC39 REC40

0.	*	0.3	0.3	0.2	0.0	0.0	0.2	0.2	0.5	0.5	0.5	0.6	0.9	1.2	0.6	0.5	0.5	0.4	0.4	
0.0	0.0																			
5.	*	0.2	0.2	0.1	0.0	0.0	0.2	0.3	0.5	0.2	0.3	0.7	0.9	1.1	0.6	0.5	0.3	0.3	0.1	
0.0	0.0																			
10.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.2	0.8	1.1	1.0	0.8	0.7	0.1	0.1	0.1	
0.0	0.0																			
15.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.7	1.0	0.8	0.8	0.7	0.1	0.1	0.0	
0.0	0.0																			
20.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.6	0.8	0.8	1.0	0.7	0.0	0.0	0.0	
0.0	0.0																			
25.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.6	0.9	0.7	1.0	0.7	0.0	0.0	0.0	
0.0	0.0																			
30.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.7	0.7	0.6	1.0	0.6	0.0	0.0	0.0	
0.0	0.0																			
35.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.7	0.7	0.7	1.0	0.6	0.0	0.0	0.0	
0.0	0.0																			
40.	*	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.1	0.1	0.7	0.7	0.7	0.9	0.6	0.0	0.0	0.0	
0.0	0.0																			
45.	*	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.1	0.0	0.7	0.6	0.6	0.8	0.6	0.0	0.0	0.0	
0.0	0.0																			
50.	*	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.1	0.0	0.6	0.7	0.5	0.8	0.7	0.0	0.0	0.0	
0.0	0.0																			
55.	*	0.0	0.0	0.1	0.0	0.0	0.2	0.3	0.3	0.0	0.0	0.6	0.7	0.5	0.7	0.7	0.0	0.0	0.0	
0.0	0.0																			
60.	*	0.0	0.0	0.1	0.1	0.0	0.1	0.2	0.3	0.0	0.0	0.6	0.7	0.6	0.6	0.6	0.0	0.0	0.0	
0.0	0.0																			
65.	*	0.0	0.0	0.1	0.1	0.0	0.1	0.2	0.2	0.0	0.0	0.6	0.6	0.6	0.6	0.5	0.0	0.0	0.0	
0.0	0.0																			
70.	*	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.6	0.6	0.4	0.5	0.3	0.0	0.0	0.0	
0.0	0.0																			
75.	*	0.0	0.0	0.2	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.6	0.6	0.4	0.5	0.4	0.0	0.0	0.0	
0.0	0.0																			
80.	*	0.0	0.0	0.3	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.6	0.6	0.4	0.3	0.2	0.0	0.0	0.0	
0.0	0.0																			
85.	*	0.0	0.0	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.3	0.3	0.1	0.0	0.0	0.0	
0.0	0.0																			
90.	*	0.0	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	
0.0	0.0																			
95.	*	0.0	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	
0.1	0.0																			
100.	*	0.0	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	
0.1	0.0																			
105.	*	0.0	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	
0.1	0.0																			
110.	*	0.0	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	
0.2	0.0																			
115.	*	0.1	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	
0.2	0.0																			
120.	*	0.1	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	
0.2	0.0																			
125.	*	0.1	0.1	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.4	0.3	0.1	0.0	0.0	0.2	
0.2	0.0																			
130.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.4	0.3	0.1	0.0	0.0	0.2	
0.2	0.0																			
135.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.5	0.3	0.1	0.0	0.0	0.3	
0.2	0.0																			
140.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.5	0.3	0.1	0.0	0.0	0.3	
0.2	0.1																			
145.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.5	0.3	0.1	0.0	0.0	0.3	
0.2	0.1																			
150.	*	0.1	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6	0.8	0.5	0.3	0.1	0.0	0.0	0.3	
0.2	0.1																			
155.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.8	0.6	0.3	0.2	0.0	0.0	0.3	
0.2	0.1																			
160.	*	0.1	0.1	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.7	0.9	0.7	0.3	0.2	0.0	0.0	0.3	
0.2	0.1																			
165.	*	0.1	0.1	0.3	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.6	0.9	0.7	0.3	0.2	0.1	0.0	0.2	
0.2	0.1																			
170.	*	0.2	0.2	0.3	0.2	0.2	0.0	0.0	0.1	0.1	0.1	0.5	0.9	0.8	0.3	0.1	0.1	0.1	0.2	
0.2	0.1																			
175.	*	0.3	0.3	0.5	0.3	0.2	0.0	0.1	0.3	0.3	0.3	0.5	0.9	0.9	0.2	0.1	0.4	0.3	0.2	
0.2	0.1																			
180.	*	0.3	0.4	0.5	0.3	0.3	0.1	0.1	0.4	0.4	0.4	0.5	0.7	0.9	0.1	0.0	0.5	0.3	0.4	
0.3	0.1																			
185.	*	0.5	0.4	0.6	0.5	0.4	0.1	0.2	0.6	0.7	0.6	0.3	0.6	0.7	0.1	0.0	0.6	0.5	0.4	
0.3	0.1																			
190.	*	0.5	0.6	0.9	0.6	0.4	0.1	0.3	0.7	0.7	0.6	0.3	0.5	0.7	0.0	0.0	0.7	0.5	0.5	
0.4	0.2																			
195.	*	0.5	0.5	0.8	0.6	0.5	0.2	0.3	0.7	0.7	0.7	0.0	0.2	0.4	0.0	0.0	0.7	0.5	0.5	
0.4	0.2																			
200.	*	0.7	0.6	0.8	0.6	0.5	0.2	0.3	0.7	0.7	0.7	0.0	0.1	0.4	0.0	0.0	0.7	0.5	0.5	
0.4	0.2																			
205.	*	0.7	0.6	0.8	0.5	0.5	0.2	0.3	0.7	0.7	0.7	0.0	0.1	0.4	0.0	0.0	0.7	0.6	0.5	
0.4	0.2																			

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (PPM) REC21	REC22	REC23	REC24	REC25	REC26	REC27	REC28	REC29	REC30	REC31	REC32	REC33	REC34	REC35	REC36	REC37	REC38	REC39	REC40
210.	*	0.7	0.5	0.8	0.5	0.4	0.2	0.3	0.7	0.7	0.7	0.0	0.1	0.3	0.0	0.0	0.7	0.6	0.5	0.4	0.2
215.	*	0.7	0.6	0.7	0.5	0.4	0.1	0.3	0.6	0.7	0.7	0.0	0.1	0.3	0.0	0.0	0.7	0.6	0.4	0.4	0.2
220.	*	0.6	0.7	0.7	0.6	0.4	0.1	0.2	0.6	0.6	0.6	0.0	0.0	0.3	0.0	0.0	0.6	0.6	0.4	0.4	0.2
225.	*	0.6	0.6	0.8	0.7	0.4	0.1	0.2	0.6	0.6	0.6	0.0	0.0	0.2	0.0	0.0	0.6	0.6	0.4	0.4	0.2
230.	*	0.5	0.7	0.8	0.6	0.5	0.1	0.2	0.6	0.6	0.6	0.0	0.0	0.2	0.0	0.0	0.6	0.6	0.4	0.4	0.2
235.	*	0.5	0.7	0.7	0.5	0.5	0.2	0.3	0.7	0.6	0.6	0.0	0.0	0.3	0.1	0.1	0.6	0.5	0.4	0.3	0.3
240.	*	0.5	0.6	0.7	0.6	0.4	0.4	0.4	0.7	0.6	0.6	0.0	0.0	0.4	0.2	0.1	0.6	0.5	0.4	0.3	0.3
245.	*	0.5	0.5	0.7	0.5	0.4	0.4	0.6	0.8	0.7	0.6	0.0	0.1	0.5	0.3	0.2	0.6	0.5	0.4	0.3	0.3
250.	*	0.4	0.6	0.5	0.5	0.3	0.5	0.6	1.0	0.7	0.6	0.0	0.1	0.7	0.4	0.4	0.6	0.5	0.4	0.3	0.3
255.	*	0.4	0.4	0.4	0.4	0.3	0.5	0.7	0.9	0.7	0.7	0.1	0.1	0.8	0.6	0.5	0.6	0.5	0.4	0.1	0.3
260.	*	0.4	0.4	0.5	0.3	0.2	0.5	0.7	1.0	0.8	0.7	0.1	0.2	0.9	0.6	0.5	0.6	0.5	0.4	0.1	0.1
265.	*	0.4	0.4	0.3	0.2	0.1	0.5	0.6	1.1	0.9	0.7	0.1	0.2	0.9	0.7	0.6	0.6	0.5	0.4	0.1	0.1
270.	*	0.4	0.4	0.3	0.2	0.1	0.5	0.5	1.0	0.9	0.7	0.1	0.3	0.9	0.7	0.6	0.6	0.5	0.4	0.1	0.1
275.	*	0.4	0.4	0.3	0.2	0.0	0.3	0.6	0.8	0.9	0.7	0.1	0.3	0.9	0.7	0.6	0.6	0.5	0.5	0.1	0.1
280.	*	0.4	0.4	0.3	0.2	0.0	0.3	0.5	0.7	0.9	0.8	0.1	0.3	0.9	0.7	0.6	0.5	0.5	0.5	0.1	0.1
285.	*	0.4	0.4	0.3	0.2	0.0	0.4	0.5	0.7	0.9	0.8	0.1	0.3	0.8	0.6	0.6	0.5	0.5	0.5	0.1	0.1
290.	*	0.4	0.4	0.4	0.2	0.0	0.4	0.5	0.6	0.8	0.8	0.1	0.3	0.8	0.6	0.6	0.5	0.5	0.5	0.1	0.1
295.	*	0.4	0.4	0.5	0.3	0.0	0.4	0.6	0.4	0.8	0.8	0.2	0.3	0.8	0.6	0.6	0.5	0.5	0.5	0.1	0.1
300.	*	0.4	0.3	0.5	0.2	0.0	0.3	0.6	0.6	0.8	0.8	0.2	0.2	0.8	0.6	0.6	0.5	0.5	0.5	0.1	0.1
305.	*	0.4	0.3	0.6	0.2	0.0	0.3	0.6	0.6	0.8	0.8	0.2	0.2	0.8	0.6	0.6	0.5	0.5	0.5	0.1	0.1
310.	*	0.3	0.4	0.5	0.2	0.0	0.2	0.5	0.6	0.8	0.8	0.2	0.2	0.9	0.6	0.5	0.5	0.5	0.5	0.1	0.1
315.	*	0.3	0.4	0.5	0.2	0.0	0.2	0.5	0.7	0.8	0.8	0.2	0.2	0.8	0.5	0.5	0.5	0.6	0.5	0.3	0.1
320.	*	0.5	0.5	0.5	0.2	0.0	0.2	0.6	0.6	0.7	0.8	0.2	0.3	0.8	0.5	0.5	0.5	0.6	0.5	0.3	0.1
325.	*	0.5	0.5	0.5	0.2	0.0	0.2	0.5	0.6	0.7	0.8	0.2	0.3	0.8	0.5	0.5	0.5	0.6	0.5	0.3	0.1
330.	*	0.5	0.5	0.5	0.1	0.0	0.2	0.4	0.6	0.7	0.7	0.2	0.3	0.9	0.5	0.5	0.6	0.6	0.6	0.3	0.1
335.	*	0.5	0.5	0.5	0.1	0.0	0.3	0.5	0.8	0.8	0.7	0.2	0.4	0.8	0.5	0.5	0.6	0.6	0.6	0.3	0.1
340.	*	0.6	0.6	0.4	0.1	0.0	0.3	0.4	0.7	0.9	0.7	0.3	0.5	1.0	0.6	0.6	0.6	0.6	0.6	0.3	0.1
345.	*	0.5	0.6	0.5	0.1	0.0	0.2	0.3	0.7	0.9	0.7	0.3	0.6	0.9	0.5	0.5	0.6	0.5	0.6	0.3	0.1
350.	*	0.4	0.5	0.4	0.1	0.0	0.2	0.3	0.7	0.7	0.8	0.4	0.6	0.9	0.5	0.5	0.6	0.5	0.6	0.3	0.0
355.	*	0.3	0.3	0.4	0.0	0.0	0.2	0.3	0.5	0.5	0.7	0.4	0.7	1.0	0.6	0.5	0.6	0.5	0.4	0.1	0.0
360.	*	0.3	0.3	0.2	0.0	0.0	0.2	0.2	0.5	0.5	0.5	0.6	0.9	1.2	0.6	0.5	0.5	0.4	0.4	0.0	0.0
MAX	*	0.7	0.7	0.9	0.7	0.5	0.5	0.7	1.1	0.9	0.8	0.8	1.1	1.2	1.0	0.7	0.7	0.6	0.6	0.4	0.3
DEGR.	*	200	220	190	225	195	250	255	265	265	280	10	10	0	20	10	190	205	330	190	235

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)	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
	CONCENTRATION (PPM)														
0.	0.1	0.1	0.5	0.3	0.3	1.3	1.4	1.4	0.6	0.3	0.0	0.1	0.7	0.3	0.3
5.	0.1	0.1	0.2	0.1	0.1	1.1	1.3	1.4	0.7	0.5	0.0	0.1	0.7	0.5	0.3
10.	0.1	0.1	0.2	0.1	0.0	0.9	1.3	1.3	0.8	0.5	0.1	0.2	0.7	0.6	0.3
15.	0.1	0.1	0.1	0.0	0.0	0.8	1.0	1.2	0.8	0.7	0.1	0.2	0.6	0.5	0.4
20.	0.1	0.1	0.1	0.0	0.0	0.6	0.9	1.1	0.8	0.7	0.1	0.2	0.6	0.6	0.5
25.	0.1	0.1	0.1	0.0	0.0	0.5	0.7	1.0	0.7	0.7	0.1	0.3	0.6	0.6	0.5
30.	0.1	0.1	0.1	0.0	0.0	0.4	0.7	0.9	0.7	0.7	0.0	0.4	0.5	0.5	0.5
35.	0.0	0.1	0.1	0.0	0.0	0.3	0.6	0.7	0.7	0.6	0.0	0.4	0.5	0.5	0.5
40.	0.0	0.1	0.1	0.0	0.0	0.3	0.5	0.7	0.7	0.6	0.0	0.4	0.5	0.5	0.5
45.	0.0	0.1	0.1	0.0	0.0	0.3	0.5	0.7	0.7	0.5	0.0	0.4	0.3	0.5	0.4
50.	0.0	0.1	0.1	0.0	0.0	0.3	0.4	0.6	0.7	0.5	0.1	0.4	0.3	0.6	0.4
55.	0.0	0.1	0.1	0.0	0.0	0.2	0.5	0.7	0.6	0.5	0.1	0.4	0.4	0.5	0.4
60.	0.0	0.1	0.1	0.0	0.0	0.2	0.5	0.7	0.6	0.5	0.2	0.5	0.3	0.5	0.4
65.	0.0	0.1	0.1	0.0	0.0	0.2	0.5	0.5	0.6	0.5	0.2	0.5	0.3	0.5	0.4
70.	0.0	0.1	0.1	0.0	0.0	0.2	0.5	0.5	0.6	0.5	0.3	0.4	0.4	0.5	0.4
75.	0.0	0.0	0.1	0.0	0.0	0.2	0.5	0.5	0.6	0.5	0.4	0.4	0.4	0.5	0.3
80.	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.5	0.6	0.5	0.5	0.6	0.6	0.6	0.3
85.	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.5	0.6	0.5	0.6	0.5	0.6	0.6	0.3
90.	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.5	0.6	0.5	0.6	0.6	0.5	0.6	0.3
95.	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.5	0.6	0.5	0.6	0.7	0.5	0.6	0.4
100.	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.4	0.6	0.5	0.6	0.7	0.5	0.6	0.5
105.	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.4	0.6	0.5	0.7	0.8	0.5	0.6	0.5
110.	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.4	0.6	0.5	0.7	0.7	0.4	0.5	0.5
115.	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.4	0.6	0.5	0.7	0.8	0.4	0.5	0.6
120.	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.4	0.6	0.5	0.6	0.8	0.5	0.5	0.6
125.	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.5	0.5	0.5	0.6	0.8	0.6	0.5	0.6
130.	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.5	0.6	0.5	0.6	0.8	0.6	0.5	0.6
135.	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.6	0.6	0.5	0.5	0.7	0.5	0.5	0.6
140.	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.7	0.6	0.5	0.5	0.7	0.5	0.5	0.7
145.	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.7	0.6	0.6	0.5	0.7	0.6	0.5	0.7
150.	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	0.6	0.7	0.5	0.7	0.7	0.6	0.7
155.	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.9	0.5	0.7	0.6	0.7	0.7	0.6	0.7
160.	0.0	0.0	0.0	0.0	0.0	0.5	0.7	0.9	0.5	0.7	0.7	0.8	0.9	0.7	0.6
165.	0.0	0.0	0.0	0.0	0.0	0.6	0.9	1.1	0.7	0.6	0.6	0.7	0.9	0.7	0.6
170.	0.0	0.0	0.1	0.0	0.0	0.9	1.0	1.1	0.7	0.5	0.5	0.7	1.0	0.7	0.8
175.	0.0	0.0	0.1	0.1	0.1	1.0	1.1	1.1	0.6	0.5	0.5	0.6	1.1	0.6	0.7
180.	0.0	0.1	0.3	0.1	0.1	1.2	1.2	1.2	0.5	0.4	0.4	0.5	1.0	0.7	0.7
185.	0.0	0.1	0.4	0.3	0.3	1.2	1.2	1.1	0.4	0.3	0.4	0.5	0.9	0.6	0.6
190.	0.1	0.1	0.5	0.3	0.3	1.2	1.0	0.9	0.2	0.2	0.5	0.5	1.0	0.5	0.5
195.	0.1	0.2	0.5	0.3	0.3	1.1	0.9	0.8	0.2	0.1	0.5	0.5	0.9	0.4	0.4
200.	0.1	0.2	0.5	0.4	0.3	1.0	0.7	0.6	0.0	0.0	0.6	0.6	0.9	0.4	0.4
205.	0.1	0.2	0.5	0.4	0.3	0.9	0.6	0.4	0.0	0.0	0.6	0.6	0.8	0.4	0.4

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
	CONCENTRATION (PPM)														
210.	0.1	0.2	0.4	0.4	0.3	0.8	0.5	0.4	0.0	0.0	0.6	0.6	0.9	0.4	0.3
215.	0.1	0.2	0.4	0.4	0.3	0.7	0.5	0.3	0.0	0.0	0.6	0.6	0.9	0.5	0.3
220.	0.1	0.2	0.4	0.4	0.3	0.7	0.3	0.3	0.0	0.0	0.6	0.6	0.9	0.5	0.3
225.	0.1	0.2	0.4	0.4	0.3	0.6	0.3	0.2	0.0	0.0	0.6	0.6	0.8	0.5	0.2
230.	0.1	0.2	0.4	0.4	0.3	0.6	0.3	0.2	0.0	0.0	0.5	0.6	0.8	0.5	0.2
235.	0.1	0.1	0.3	0.4	0.3	0.5	0.3	0.2	0.0	0.0	0.5	0.6	0.8	0.5	0.2
240.	0.1	0.1	0.3	0.4	0.3	0.4	0.3	0.2	0.0	0.0	0.5	0.5	0.8	0.3	0.2
245.	0.1	0.1	0.3	0.4	0.3	0.4	0.2	0.2	0.0	0.0	0.4	0.5	0.7	0.3	0.2
250.	0.1	0.1	0.3	0.4	0.3	0.4	0.2	0.2	0.0	0.0	0.3	0.3	0.6	0.3	0.1
255.	0.1	0.1	0.3	0.4	0.2	0.4	0.2	0.2	0.0	0.0	0.3	0.3	0.5	0.2	0.1
260.	0.1	0.1	0.3	0.4	0.2	0.4	0.2	0.2	0.0	0.0	0.1	0.2	0.4	0.2	0.1
265.	0.1	0.1	0.3	0.4	0.3	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.1
270.	0.2	0.1	0.3	0.4	0.3	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.1
275.	0.2	0.2	0.3	0.4	0.3	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.1
280.	0.2	0.2	0.3	0.4	0.2	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.1
285.	0.2	0.2	0.3	0.4	0.2	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.1
290.	0.2	0.2	0.3	0.4	0.2	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.1
295.	0.2	0.2	0.3	0.4	0.3	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.1
300.	0.2	0.2	0.3	0.4	0.3	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.1
305.	0.2	0.2	0.3	0.4	0.4	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.1
310.	0.2	0.2	0.3	0.4	0.4	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.1
315.	0.2	0.3	0.4	0.4	0.4	0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.1
320.	0.2	0.4	0.4	0.4	0.4	0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.1
325.	0.2	0.4	0.5	0.4	0.4	0.7	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.2	0.2
330.	0.2	0.4	0.6	0.4	0.4	0.8	0.5	0.3	0.0	0.0	0.0	0.0	0.4	0.2	0.2
335.	0.2	0.4	0.6	0.3	0.4	0.9	0.5	0.4	0.0	0.0	0.0	0.0	0.4	0.2	0.2
340.	0.2	0.4	0.7	0.4	0.4	0.9	0.6	0.6	0.0	0.0	0.0	0.0	0.4	0.2	0.2
345.	0.2	0.4	0.7	0.4	0.5	1.0	0.9	0.7	0.2	0.0	0.0	0.0	0.4	0.2	0.2
350.	0.1	0.4	0.6	0.4	0.4	1.2	1.0	1.0	0.3	0.3	0.0	0.0	0.4	0.2	0.2
355.	0.1	0.2	0.6	0.4	0.4	1.3	1.2	1.1	0.4	0.3	0.0	0.1	0.4	0.2	0.1
360.	0.1	0.1	0.5	0.3	0.3	1.3	1.4	1.4	0.6	0.3	0.0	0.1	0.7	0.3	0.3
MAX	0.2	0.4	0.7	0.4	0.5	1.3	1.4	1.4	0.8	0.7	0.7	0.8	1.1	0.7	0.8
DEGR.	270	320	340	200	345	0	0	0	10	15	105	105	175	160	170

THE HIGHEST CONCENTRATION OF 1.40 PPM OCCURRED AT RECEPTOR REC47.

3.b CAL3QHC Output Files Particulate Matter 10 (PM_{10})

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

JOB: Ronkonkama RUN: EXISTING

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The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

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.	LIE N/Hawkins SB TTR	*	3375.1	5903.8	3376.4	6000.5	*	97.	1.	AG	0.	100.0	1.0	20.0	0.54	4.9
2.	LIE N/Hawk WB LTTR	*	3446.1	5872.5	3506.9	5883.0	*	62.	80.	AG	0.	100.0	1.0	30.0	0.31	3.1
3.	LIE N/Hawkins NB L	*	3393.3	5814.6	3374.7	4867.9	*	947.	181.	AG	0.	100.0	1.0	10.0	1.70	48.1
4.	LIE N/Hawkins NB TT	*	3416.2	5814.3	3415.9	5708.2	*	106.	180.	AG	0.	100.0	1.0	20.0	0.59	5.4
5.	LIE S/Hawkins SB L	*	3391.1	5495.9	3403.3	6357.9	*	862.	1.	AG	0.	100.0	1.0	10.0	1.23	43.8
6.	LIE S/Hawkins SB TT	*	3370.8	5481.6	3371.9	5544.8	*	63.	1.	AG	0.	100.0	1.0	20.0	0.48	3.2
7.	LIE S/Hawkins NB TTR	*	3405.1	5396.8	3397.6	5062.7	*	334.	181.	AG	0.	100.0	1.0	20.0	1.03	17.0
8.	LIE S/Hawk EB LTTR	*	3339.3	5401.9	2964.8	5262.1	*	400.	250.	AG	0.	100.0	1.0	30.0	1.01	20.3
9.	Hawk/Union SB L	*	3390.6	4708.0	3306.4	5790.8	*	1086.	356.	AG	0.	100.0	1.0	10.0	1.32	55.2
10.	Hawk/Union SB T	*	3377.8	4706.1	3376.0	4723.8	*	18.	354.	AG	0.	100.0	1.0	10.0	0.14	0.9
11.	Hawk/Union WB L	*	3438.0	4679.8	3461.8	4682.2	*	24.	84.	AG	0.	100.0	1.0	10.0	0.22	1.2
12.	Hawk/Union WB R	*	3437.3	4691.3	3527.6	4704.1	*	91.	82.	AG	0.	100.0	1.0	10.0	0.59	4.6
13.	Hawk/Union NB TR	*	3412.5	4623.3	3418.2	4573.4	*	50.	173.	AG	0.	100.0	1.0	10.0	0.32	2.6
14.	LIE N/Hawkins N	*	3393.0	5863.0	3401.9	6218.8	*	356.	1.	AG	1450.	0.0	1.0	72.0		
15.	LIE N/Hawkins E	*	3393.0	5863.0	3735.4	5914.4	*	346.	81.	AG	931.	0.0	1.0	54.0		
16.	LIE N/Hawkins S	*	3393.0	5863.0	3393.0	5611.5	*	252.	180.	AG	1459.	0.0	1.0	78.0		
17.	LIE N/Hawkins W	*	3393.0	5863.0	3036.7	5815.2	*	359.	262.	AG	796.	0.0	1.0	54.0		
18.	LIE S/Hawkins N	*	3387.1	5425.3	3394.1	5670.0	*	245.	2.	AG	1458.	0.0	1.0	78.0		
19.	LIE S/Hawkins E	*	3387.1	5425.3	3651.9	5538.9	*	288.	67.	AG	2191.	0.0	1.0	54.0		
20.	LIE S/Hawkins S	*	3387.1	5425.3	3381.2	5147.1	*	278.	181.	AG	1146.	0.0	1.0	66.0		
21.	LIE S/Hawkins W	*	3387.1	5425.3	3108.2	5320.4	*	298.	249.	AG	2183.	0.0	1.0	54.0		
22.	Union/Hawkins N	*	3401.1	4668.8	3378.9	4869.0	*	201.	354.	AG	641.	0.0	1.0	54.0		
23.	Union/Hawkins E	*	3401.1	4668.8	3620.2	4699.3	*	221.	82.	AG	941.	0.0	1.0	54.0		
24.	Union/Hawkins S	*	3401.1	4668.8	3421.1	4497.9	*	172.	173.	AG	533.	0.0	1.0	42.0		

JOB: Ronkonkama RUN: EXISTING

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1.	LIE N/Hawkins SB TTR	*	100	62	3.0	571	1600	0.03	1	3
2.	LIE N/Hawk WB LTTR	*	100	50	3.0	678	1600	0.03	1	3
3.	LIE N/Hawkins NB L	*	100	88	3.0	190	1600	0.03	1	3
4.	LIE N/Hawkins NB TT	*	100	62	3.0	626	1600	0.03	1	3
5.	LIE S/Hawkins SB L	*	100	78	3.0	335	1600	0.03	1	3
6.	LIE S/Hawkins SB TT	*	100	75	3.0	308	1600	0.03	1	3
7.	LIE S/Hawkins NB TTR	*	100	75	3.0	663	1600	0.03	1	3
8.	LIE S/Hawk EB LTTR	*	100	50	3.0	2183	1600	0.03	1	3
9.	Hawk/Union SB L	*	81	62	3.0	363	1600	0.03	1	3
10.	Hawk/Union SB T	*	81	22	3.0	148	1600	0.03	1	3
11.	Hawk/Union WB L	*	81	59	3.0	74	1600	0.03	1	3
12.	Hawk/Union WB R	*	81	40	3.0	417	1600	0.03	1	3
13.	Hawk/Union NB TR	*	81	41	3.0	224	1600	0.03	1	3

RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1.	LIE N/Hawk NE1	*	3443.9	6057.5	6.0	*
2.	LIE N/Hawk NE2	*	3442.0	5982.5	6.0	*
3.	LIE N/Hawk NE3	*	3440.1	5907.5	6.0	*
4.	LIE N/Hawk NE4	*	3514.3	5918.6	6.0	*
5.	LIE N/Hawk NE5	*	3588.4	5929.8	6.0	*
6.	LIE N/Hawk SE1	*	3590.3	5855.2	6.0	*

7.	LIE N/Hawk SE2	*	3516.2	5844.1	6.0 *
8.	LIE N/Hawk SE3	*	3442.0	5833.0	6.0 *
9.	LIE N/Hawk SE4	*	3442.0	5758.0	6.0 *
10.	LIE N/Hawk SE5	*	3442.0	5683.0	6.0 *
11.	LIE N/Hawk SW1	*	3344.0	5660.1	6.0 *
12.	LIE N/Hawk SW2	*	3344.0	5744.4	6.0 *
13.	LIE N/Hawk SW3	*	3344.0	5819.1	6.0 *
14.	LIE N/Hawk SW4	*	3269.6	5809.1	6.0 *
15.	LIE N/Hawk SW5	*	3195.3	5799.2	6.0 *
16.	LIE N/Hawk NW1	*	3199.1	5874.3	6.0 *
17.	LIE N/Hawk NW2	*	3273.4	5884.3	6.0 *
18.	LIE N/Hawk NW3	*	3347.8	5894.3	6.0 *
19.	LIE N/Hawk NW4	*	3349.6	5969.3	6.0 *
20.	LIE N/Hawk NW5	*	3351.5	6044.3	6.0 *
21.	LIE S/Hawk NE1	*	3442.2	5637.3	6.0 *
22.	LIE S/Hawk NE2	*	3440.0	5562.3	6.0 *
23.	LIE S/Hawk NE3	*	3437.9	5487.3	6.0 *
24.	LIE S/Hawk NE4	*	3506.8	5516.9	6.0 *
25.	LIE S/Hawk NE5	*	3575.7	5546.5	6.0 *
26.	LIE S/Hawk SE1	*	3567.5	5462.4	6.0 *
27.	LIE S/Hawk SE2	*	3498.5	5432.8	6.0 *
28.	LIE S/Hawk SE3	*	3429.6	5403.3	6.0 *
29.	LIE S/Hawk SE4	*	3428.0	5328.3	6.0 *
30.	LIE S/Hawk SE5	*	3426.4	5253.3	6.0 *
31.	LIE S/Hawk SW1	*	3339.7	5219.1	6.0 *
32.	LIE S/Hawk SW2	*	3341.3	5294.1	6.0 *
33.	LIE S/Hawk SW3	*	3342.9	5369.1	6.0 *
34.	LIE S/Hawk SW4	*	3272.7	5342.7	6.0 *
35.	LIE S/Hawk SW5	*	3202.5	5316.3	6.0 *
36.	Hawk/Union NE1	*	3417.1	4859.8	6.0 *
37.	Hawk/Union NE2	*	3425.4	4785.3	6.0 *
38.	Hawk/Union NE3	*	3433.7	4710.7	6.0 *

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RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
39.	Hawk/Union NE4	*	3509.1	4721.2	6.0	*
40.	Hawk/Union NE5	*	3582.3	4731.3	6.0	*
41.	Hawk/Union SE1	*	3584.7	4657.0	6.0	*
42.	Hawk/Union SE2	*	3510.4	4646.6	6.0	*
43.	Hawk/Union SE3	*	3436.1	4636.3	6.0	*
44.	Hawk/Union SE4	*	3444.8	4561.8	6.0	*
45.	Hawk/Union SE5	*	3453.0	4487.3	6.0	*
46.	Hawk/Union W1	*	3388.8	4506.5	6.0	*
47.	Hawk/Union W2	*	3380.2	4581.0	6.0	*
48.	Hawk/Union W3	*	3371.5	4655.5	6.0	*
49.	Hawk/Union W4	*	3357.2	4729.1	6.0	*
50.	Hawk/Union W5	*	3348.9	4803.7	6.0	*
51.	LIE S/Hawk NW1	*	3198.3	5393.8	6.0	*
52.	LIE S/Hawk NW2	*	3268.5	5420.2	6.0	*
53.	LIE S/Hawk NW3	*	3338.7	5446.6	6.0	*
54.	LIE S/Hawk NW4	*	3340.8	5521.6	6.0	*
55.	LIE S/Hawk NW5	*	3343.0	5596.5	6.0	*

JOB: Ronkonkama RUN: EXISTING

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 (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	1.	1.	1.	0.	0.	1.	1.	2.	2.	2.	1.	1.	2.	1.	1.	0.	0.	1.	1.	0.
5. *	0.	1.	1.	0.	0.	1.	1.	2.	1.	1.	2.	2.	2.	1.	1.	0.	0.	1.	1.	1.
10. *	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	2.	2.	2.	1.	1.	0.	0.	2.	1.	1.
15. *	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	2.	2.	2.	1.	1.	0.	0.	2.	2.	1.
20. *	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	2.	2.	3.	1.	1.	0.	0.	2.	2.	1.

```
  25.  *    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    2.    2.    3.    2.    1.    0.    1.    2.
2.    2.
  30.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    2.
  35.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    2.
  40.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    2.
  45.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    2.
  50.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    3.    2.    2.    0.    1.    2.
2.    1.
  55.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    3.    2.    2.    0.    1.    2.
2.    1.
  60.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    1.    1.    2.
2.    1.
  65.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    1.    1.    2.
2.    1.
  70.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    1.    1.    2.
2.    1.
  75.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    1.    1.    2.
2.    1.
  80.  *    0.    0.    0.    0.    0.    0.    1.    1.    0.    0.    2.    2.    2.    2.    1.    1.    2.    2.
2.    1.
  85.  *    0.    0.    0.    1.    1.    0.    0.    0.    0.    0.    2.    2.    2.    2.    1.    1.    1.    2.    2.
2.    1.
  90.  *    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    2.    2.    2.    1.    1.    2.    2.    2.
2.    1.
  95.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    2.    2.    2.    2.    1.    1.    2.    2.    3.
2.    1.
 100.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    2.    2.    2.    2.    1.    1.    2.    2.    3.
2.    1.
 105.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    1.    1.    1.    0.    2.    2.    3.
2.    1.
 110.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    1.    1.    1.    1.    2.    2.    2.
2.    1.
 115.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    1.    2.    2.    3.
2.    1.
 120.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    1.    2.    2.    2.
2.    2.
 125.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    1.    2.    2.    2.
2.    2.
 130.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    1.    2.    2.    2.
2.    2.
 135.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    2.    1.    1.    2.    2.    3.
2.    2.
 140.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    2.    1.    1.    2.    2.    3.
2.    2.
 145.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    1.    3.    2.    2.    2.    1.    1.    2.    2.    3.
3.    2.
 150.  *    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    1.    3.    3.    2.    2.    1.    1.    2.    2.    3.
3.    2.
 155.  *    0.    1.    1.    1.    1.    1.    0.    0.    0.    1.    1.    3.    3.    3.    2.    1.    1.    2.    2.    3.
3.    2.
 160.  *    1.    1.    1.    1.    1.    1.    0.    0.    0.    1.    1.    3.    3.    3.    2.    1.    1.    2.    2.    3.
3.    3.
 165.  *    1.    1.    2.    1.    1.    1.    0.    0.    1.    1.    1.    3.    3.    3.    2.    1.    1.    2.    2.    3.
3.    3.
 170.  *    1.    1.    2.    1.    1.    1.    0.    0.    1.    1.    1.    3.    3.    3.    1.    1.    1.    1.    2.    3.
3.    3.
 175.  *    2.    2.    2.    1.    1.    1.    0.    0.    2.    1.    2.    2.    3.    2.    1.    0.    1.    2.    3.
3.    3.
 180.  *    2.    2.    3.    2.    1.    1.    0.    1.    2.    2.    2.    2.    2.    2.    1.    0.    1.    1.    3.
2.    2.
 185.  *    2.    3.    3.    2.    1.    1.    0.    1.    3.    2.    3.    2.    2.    1.    1.    0.    1.    1.    2.
2.    2.
 190.  *    3.    3.    4.    2.    1.    1.    1.    1.    3.    3.    3.    1.    1.    1.    0.    0.    1.    1.    2.
1.    1.
 195.  *    3.    3.    3.    2.    2.    1.    1.    1.    3.    3.    3.    1.    1.    1.    0.    0.    1.    1.    2.
1.    1.
 200.  *    2.    3.    4.    2.    2.    1.    1.    1.    3.    3.    3.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 205.  *    2.    2.    4.    3.    2.    1.    1.    1.    3.    3.    3.    1.    1.    0.    0.    0.    1.    1.    1.
1.    0.
```



```
 WIND  * CONCENTRATION
 ANGLE *      (ug/m**3)
 (DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18
REC19 REC20
 REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
 REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

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------*-------------------------------------------------------------------------------------------------------------------
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------*-----------------------------------------------------------------------------
 210.  *    2.    2.    3.    2.    2.    1.    2.    3.    3.    3.    1.    0.    0.    0.    0.    1.    1.    1.
```



```
0.    0.
 215.  *    2.    2.    3.    3.    2.    1.    2.    2.    3.    3.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 220.  *    2.    2.    3.    2.    2.    1.    1.    2.    2.    3.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 225.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    3.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 230.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    3.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 235.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 240.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 245.  *    1.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 250.  *    1.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 255.  *    1.    1.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 260.  *    1.    2.    2.    2.    1.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    0.    1.    1.
0.    0.
 265.  *    1.    1.    2.    1.    1.    1.    2.    2.    2.    2.    0.    0.    1.    0.    0.    0.    0.    0.
0.    0.
 270.  *    1.    1.    2.    1.    1.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 275.  *    1.    1.    2.    1.    1.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 280.  *    1.    1.    2.    1.    1.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 285.  *    1.    1.    1.    1.    0.    2.    2.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 290.  *    1.    1.    1.    1.    0.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 295.  *    1.    1.    2.    1.    0.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 300.  *    1.    1.    2.    1.    0.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 305.  *    1.    1.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 310.  *    1.    1.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 315.  *    1.    2.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 320.  *    2.    2.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 325.  *    2.    2.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 330.  *    2.    2.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 335.  *    2.    2.    2.    1.    0.    1.    2.    3.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 340.  *    1.    2.    2.    0.    0.    1.    2.    2.    2.    2.    0.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 345.  *    1.    2.    2.    0.    0.    1.    1.    3.    2.    2.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 350.  *    1.    1.    2.    0.    0.    1.    1.    2.    2.    2.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 355.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 360.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    1.    1.    2.    1.    1.    0.    0.    1.
1.    0.

------*-------------------------------------------------------------------------------------------------------------------
-------
 MAX   *    3.    3.    4.    3.    2.    2.    2.    3.    3.    3.    3.    3.    3.    2.    2.    2.    2.    3.
3.    3.
 DEGR. *  195   190   200   205   205   275   280   200   205   200   165   160   170    70    60   145   155   165
160   165
```



```
 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 *      (ug/m**3)
 (DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38
REC39 REC40

------*-------------------------------------------------------------------------------------------------------------------
-------
  0.   *    2.    2.    2.    0.    0.    2.    2.    4.    3.    3.    3.    3.    4.    2.    2.    1.    1.    1.
1.    0.
```

```
   5. *    1.    1.    1.    0.    0.    2.    2.    3.    2.    2.    3.    4.    5.    3.    2.    1.    1.    1.
0.    0.
  10. *    1.    1.    1.    0.    0.    2.    2.    3.    2.    2.    3.    4.    5.    3.    3.    1.    0.    0.
0.    0.
  15. *    0.    1.    1.    0.    0.    2.    2.    3.    2.    1.    3.    4.    5.    4.    3.    0.    0.    0.
0.    0.
  20. *    0.    0.    0.    0.    0.    2.    2.    3.    1.    1.    3.    4.    5.    4.    3.    0.    0.    0.
0.    0.
  25. *    0.    0.    0.    0.    0.    2.    2.    2.    1.    1.    3.    4.    4.    4.    4.    0.    0.    0.
0.    0.
  30. *    0.    0.    0.    0.    0.    2.    2.    2.    1.    1.    3.    3.    4.    4.    4.    0.    0.    0.
0.    0.
  35. *    0.    0.    0.    0.    0.    2.    2.    3.    1.    0.    2.    3.    4.    4.    4.    0.    0.    0.
0.    0.
  40. *    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    2.    3.    4.    4.    4.    0.    0.    0.
0.    0.
  45. *    0.    0.    0.    0.    0.    2.    2.    3.    1.    0.    2.    3.    4.    4.    4.    0.    0.    0.
0.    0.
  50. *    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    2.    2.    4.    4.    4.    0.    0.    0.
0.    0.
  55. *    0.    0.    0.    0.    0.    1.    2.    2.    0.    0.    2.    2.    4.    4.    4.    0.    0.    0.
0.    0.
  60. *    0.    0.    1.    0.    0.    1.    2.    2.    0.    0.    2.    2.    4.    3.    3.    0.    0.    0.
0.    0.
  65. *    0.    0.    1.    1.    0.    1.    1.    2.    0.    0.    2.    2.    3.    3.    3.    0.    0.    0.
0.    0.
  70. *    0.    0.    2.    1.    0.    0.    1.    1.    0.    0.    1.    2.    2.    3.    2.    0.    0.    0.
0.    0.
  75. *    0.    0.    2.    2.    1.    0.    0.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  80. *    0.    0.    2.    2.    1.    0.    0.    0.    0.    0.    1.    1.    2.    1.    1.    0.    0.    0.
0.    0.
  85. *    0.    0.    2.    2.    1.    0.    0.    0.    0.    0.    2.    2.    2.    1.    1.    0.    0.    1.
0.    0.
  90. *    0.    0.    2.    2.    1.    0.    0.    0.    0.    0.    2.    2.    1.    1.    1.    0.    0.    1.
0.    0.
  95. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    2.    2.    1.    1.    1.    0.    0.    1.
1.    0.
 100. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    0.
 105. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    0.
 110. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 115. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 120. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 125. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 130. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    0.
 135. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 140. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 145. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 150. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 155. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 160. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 165. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    0.    0.    0.    1.    1.
1.    1.
 170. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    0.    0.    1.    1.    1.
1.    1.
 175. *    2.    2.    2.    2.    2.    0.    0.    1.    1.    0.    1.    2.    2.    0.    0.    1.    1.    1.
1.    1.
 180. *    2.    2.    3.    2.    2.    0.    0.    1.    1.    1.    1.    1.    2.    0.    0.    1.    1.    1.
1.    1.
 185. *    2.    2.    3.    2.    2.    0.    0.    1.    1.    1.    0.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 190. *    3.    3.    4.    2.    2.    0.    0.    2.    2.    1.    0.    0.    1.    0.    0.    1.    1.    1.
1.    1.
 195. *    3.    3.    4.    3.    2.    0.    0.    2.    2.    1.    0.    0.    1.    0.    0.    1.    1.    1.
1.    1.
 200. *    3.    3.    4.    3.    2.    0.    1.    2.    2.    1.    0.    0.    1.    0.    0.    1.    1.    1.
1.    1.
 205. *    3.    3.    4.    3.    3.    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
```


JOB: Ronkonkama RUN: EXISTING

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (ug/m**3)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40


```
------*-------------------------------------------------------------------------------------------------------------------
-------
 210. *    3.    3.    4.    3.    3.    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 215. *    3.    3.    4.    3.    3.    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 220. *    3.    3.    4.    3.    3.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 225. *    3.    3.    4.    4.    3.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 230. *    3.    3.    4.    4.    4.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 235. *    2.    2.    4.    4.    3.    1.    1.    2.    2.    2.    0.    0.    1.    0.    0.    1.    1.    1.
1.    1.
 240. *    2.    2.    4.    3.    3.    2.    2.    2.    2.    2.    0.    0.    1.    0.    0.    1.    1.    1.
1.    1.
 245. *    2.    2.    4.    3.    3.    2.    2.    3.    2.    1.    0.    0.    1.    1.    0.    1.    1.    1.
1.    1.
 250. *    2.    2.    3.    2.    2.    3.    3.    3.    2.    1.    0.    0.    2.    1.    1.    1.    1.    1.
1.    1.
 255. *    2.    2.    2.    2.    2.    3.    3.    4.    2.    1.    0.    0.    2.    2.    1.    1.    1.    1.
1.    1.
 260. *    2.    2.    2.    1.    1.    4.    4.    4.    2.    1.    0.    0.    3.    2.    1.    1.    1.    1.
1.    1.
 265. *    3.    2.    2.    1.    1.    4.    4.    4.    2.    2.    0.    0.    3.    2.    2.    1.    1.    1.
0.    1.
 270. *    3.    2.    2.    1.    1.    3.    4.    4.    2.    2.    0.    0.    3.    3.    2.    1.    1.    1.
0.    0.
 275. *    3.    2.    2.    1.    1.    3.    4.    4.    3.    2.    0.    1.    3.    3.    2.    0.    1.    1.
0.    0.
 280. *    2.    2.    2.    1.    1.    3.    3.    4.    3.    2.    0.    1.    3.    3.    2.    0.    1.    1.
0.    0.
 285. *    3.    1.    2.    1.    1.    3.    3.    4.    3.    2.    0.    1.    3.    3.    2.    0.    1.    1.
0.    0.
 290. *    2.    2.    2.    1.    1.    3.    3.    4.    3.    2.    0.    1.    3.    3.    2.    0.    1.    1.
0.    0.
 295. *    2.    2.    2.    1.    1.    3.    3.    4.    3.    2.    0.    1.    3.    3.    2.    0.    1.    1.
0.    0.
 300. *    2.    2.    2.    1.    1.    3.    3.    4.    3.    2.    1.    1.    3.    2.    2.    0.    1.    1.
0.    0.
 305. *    2.    2.    2.    1.    1.    3.    3.    4.    3.    2.    1.    1.    3.    2.    2.    0.    1.    1.
0.    0.
 310. *    2.    2.    2.    1.    1.    3.    3.    4.    3.    2.    1.    1.    2.    2.    2.    0.    1.    1.
0.    0.
 315. *    2.    2.    2.    1.    1.    3.    3.    4.    3.    2.    1.    1.    2.    2.    2.    0.    1.    1.
0.    0.
 320. *    2.    2.    2.    1.    1.    3.    3.    4.    3.    2.    1.    1.    2.    2.    2.    0.    1.    1.
0.    0.
 325. *    2.    2.    2.    1.    1.    3.    3.    4.    3.    3.    1.    1.    3.    2.    2.    0.    1.    1.
0.    0.
 330. *    2.    3.    2.    1.    1.    3.    3.    4.    3.    3.    1.    2.    3.    2.    2.    0.    1.    1.
1.    0.
 335. *    2.    3.    2.    1.    1.    3.    3.    4.    3.    3.    1.    2.    3.    2.    2.    1.    1.    1.
0.    1.
 340. *    2.    3.    2.    1.    1.    3.    3.    4.    3.    3.    1.    2.    3.    2.    2.    1.    1.    1.
1.    1.
 345. *    2.    3.    2.    1.    1.    2.    3.    4.    4.    3.    1.    2.    3.    2.    2.    1.    1.    1.
1.    1.
 350. *    2.    3.    2.    1.    0.    2.    3.    4.    3.    3.    2.    2.    3.    2.    2.    1.    1.    2.
1.    1.
 355. *    2.    2.    2.    1.    0.    2.    2.    4.    3.    3.    2.    3.    4.    2.    2.    1.    1.    1.
1.    1.
 360. *    2.    2.    2.    0.    0.    2.    2.    4.    3.    3.    3.    3.    4.    2.    2.    1.    1.    1.
1.    0.

------*-------------------------------------------------------------------------------------------------------------------
-------
 MAX  *    3.    3.    4.    4.    4.    4.    4.    4.    4.    3.    3.    4.    5.    4.    4.    1.    1.    2.
1.    1.
 DEGR.*  200   205   230   225   230   260   260   340   345   345    15    10    20    25    45   350   350   350
230   245
```


JOB: Ronkonkama RUN: EXISTING

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 * (ug/m**3)
(DEGR)* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

```
------*-------------------------------------------------------------------------------------------------
  0. *    1.    2.    2.    2.    1.    2.    2.    2.    1.    0.    0.    2.    2.    2.
```

5.	*	1.	1.	2.	1.	1.	2.	2.	2.	2.	2.	0.	1.	2.	2.	2.
10.	*	1.	1.	1.	1.	0.	1.	1.	2.	2.	2.	0.	1.	2.	2.	2.
15.	*	1.	1.	1.	0.	0.	1.	1.	1.	1.	1.	0.	1.	3.	3.	3.
20.	*	1.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	1.	3.	3.	3.
25.	*	1.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	2.	3.
30.	*	1.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	2.	3.
35.	*	1.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	2.	3.
40.	*	1.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	2.	3.
45.	*	0.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	2.	2.	2.	2.
50.	*	0.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	2.	2.	2.	2.
55.	*	0.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	2.	2.	2.	2.
60.	*	0.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	2.	2.	2.	2.
65.	*	0.	1.	1.	0.	0.	1.	1.	1.	1.	1.	2.	2.	2.	2.	2.
70.	*	0.	1.	1.	0.	0.	0.	1.	2.	1.	1.	2.	3.	3.	2.	2.
75.	*	0.	0.	1.	0.	0.	0.	1.	2.	1.	1.	3.	3.	3.	2.	2.
80.	*	0.	0.	1.	0.	0.	0.	1.	2.	1.	1.	3.	4.	4.	2.	2.
85.	*	0.	0.	0.	0.	0.	0.	1.	2.	1.	1.	3.	4.	4.	2.	2.
90.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	3.	4.	4.	2.	2.
95.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	4.	4.	4.	3.	2.
100.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	4.	4.	3.	2.
105.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	4.	4.	3.	2.
110.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	3.	3.	3.	2.
115.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	3.	4.	3.	2.
120.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	3.	4.	2.	2.
125.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	3.	3.	3.	2.
130.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	3.	3.	3.	2.
135.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	3.	3.	3.	2.
140.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	3.	4.	3.	2.
145.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	3.	3.	3.	2.
150.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	3.	4.	3.	2.
155.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	2.	3.	4.	3.	3.
160.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	3.	4.	3.	3.
165.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	3.	4.	3.	3.
170.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	4.	3.	3.
175.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	3.	2.
180.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	2.	2.
185.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	2.	2.
190.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	2.	2.
195.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	2.	1.
200.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	2.	1.
205.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	2.	1.

JOB: Ronkonkama RUN: EXISTING

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (ug/m**3) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
210.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	3.	3.	2.	1.
215.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	3.	3.	1.	1.
220.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	3.	3.	1.	1.
225.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	3.	3.	1.	1.
230.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	3.	3.	1.	0.
235.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	1.	0.
240.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	1.	0.
245.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	0.	0.
250.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	0.	0.
255.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	0.
260.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
265.	*	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
270.	*	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
275.	*	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
280.	*	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
285.	*	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
290.	*	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
295.	*	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
300.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
305.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
310.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
315.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
320.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
325.	*	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
330.	*	1.	1.	2.	1.	1.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
335.	*	1.	2.	2.	1.	1.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.
340.	*	1.	2.	2.	1.	1.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.
345.	*	1.	2.	2.	1.	1.	0.	0.	1.	0.	0.	0.	0.	1.	1.	1.
350.	*	1.	2.	2.	1.	1.	1.	1.	1.	1.	1.	0.	0.	1.	1.	1.
355.	*	1.	1.	2.	2.	2.	1.	2.	1.	1.	1.	0.	0.	1.	1.	1.
360.	*	1.	2.	2.	2.	1.	2.	2.	2.	2.	1.	0.	0.	2.	2.	2.
MAX	*	1.	2.	2.	2.	2.	2.	2.	2.	2.	2.	4.	4.	4.	3.	3.
DEGR.	*	340	350	355	355	355	5	5	5	5	10	95	85	95	160	20

THE HIGHEST CONCENTRATION OF 5. ug/m**3 OCCURRED AT RECEPTOR REC33.

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

JOB: Ronkonkama RUN: NOBUILD

DATE : 6/ 5/13
TIME : 9:17:53

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

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.	LIE N/Hawkins SB TTR	*	3375.1	5903.8	3376.4	6005.2	*	101.	1.	AG	0.	100.0	1.0	20.0	0.57	5.1
2.	LIE N/Hawk WB LTTR	*	3446.1	5872.5	3509.6	5883.5	*	65.	80.	AG	0.	100.0	1.0	30.0	0.33	3.3
3.	LIE N/Hawkins NB L	*	3393.3	5814.6	3372.8	4770.8	*	1044.	181.	AG	0.	100.0	1.0	10.0	1.78	53.0
4.	LIE N/Hawkins NB TT	*	3416.2	5814.3	3415.9	5703.4	*	111.	180.	AG	0.	100.0	1.0	20.0	0.62	5.6
5.	LIE S/Hawkins SB L	*	3391.1	5495.9	3405.6	6526.9	*	1031.	1.	AG	0.	100.0	1.0	10.0	1.29	52.4
6.	LIE S/Hawkins SB TT	*	3370.8	5481.6	3372.0	5547.6	*	66.	1.	AG	0.	100.0	1.0	20.0	0.50	3.4
7.	LIE S/Hawkins NB TTR	*	3405.1	5396.8	3393.8	4894.3	*	503.	181.	AG	0.	100.0	1.0	20.0	1.08	25.5
8.	LIE S/Hawk EB LTTR	*	3339.3	5401.9	2636.8	5139.6	*	750.	250.	AG	0.	100.0	1.0	30.0	1.06	38.1
9.	Hawk/Union SB L	*	3390.6	4708.0	3292.6	5968.4	*	1264.	356.	AG	0.	100.0	1.0	10.0	1.38	64.2
10.	Hawk/Union SB T	*	3377.8	4706.1	3375.9	4724.6	*	19.	354.	AG	0.	100.0	1.0	10.0	0.15	0.9
11.	Hawk/Union WB L	*	3438.0	4679.8	3463.1	4682.3	*	25.	84.	AG	0.	100.0	1.0	10.0	0.23	1.3
12.	Hawk/Union WB R	*	3437.3	4691.3	3531.7	4704.7	*	95.	82.	AG	0.	100.0	1.0	10.0	0.61	4.8
13.	Hawk/Union NB TR	*	3412.5	4623.3	3420.9	4550.7	*	73.	173.	AG	0.	100.0	1.0	10.0	0.47	3.7
14.	LIE N/Hawkins N	*	3393.0	5863.0	3401.9	6218.8	*	356.	1.	AG	1516.	0.0	1.0	72.0		
15.	LIE N/Hawkins E	*	3393.0	5863.0	3735.4	5914.4	*	346.	81.	AG	975.	0.0	1.0	54.0		
16.	LIE N/Hawkins S	*	3393.0	5863.0	3393.0	5611.5	*	252.	180.	AG	1527.	0.0	1.0	78.0		
17.	LIE N/Hawkins W	*	3393.0	5863.0	3036.7	5815.2	*	359.	262.	AG	834.	0.0	1.0	54.0		
18.	LIE S/Hawkins N	*	3387.1	5425.3	3394.1	5670.0	*	245.	2.	AG	1527.	0.0	1.0	78.0		
19.	LIE S/Hawkins E	*	3387.1	5425.3	3651.9	5538.9	*	288.	67.	AG	2293.	0.0	1.0	54.0		
20.	LIE S/Hawkins S	*	3387.1	5425.3	3381.2	5147.1	*	278.	181.	AG	1200.	0.0	1.0	66.0		
21.	LIE S/Hawkins W	*	3387.1	5425.3	3108.2	5320.4	*	298.	249.	AG	2284.	0.0	1.0	54.0		
22.	Union/Hawkins N	*	3401.1	4668.8	3378.9	4869.0	*	201.	354.	AG	1206.	0.0	1.0	54.0		
23.	Union/Hawkins E	*	3401.1	4668.8	3620.2	4699.3	*	221.	82.	AG	985.	0.0	1.0	54.0		
24.	Union/Hawkins S	*	3401.1	4668.8	3421.1	4497.9	*	172.	173.	AG	559.	0.0	1.0	42.0		

JOB: Ronkonkama RUN: NOBUILD

DATE : 6/ 5/13
TIME : 9:17:53

1.	LIE N/Hawkins SB TTR	*	100	62	3.0	598	1600	0.03	1	3
2.	LIE N/Hawk WB LTTR	*	100	50	3.0	710	1600	0.03	1	3
3.	LIE N/Hawkins NB L	*	100	88	3.0	199	1600	0.03	1	3
4.	LIE N/Hawkins NB TT	*	100	62	3.0	655	1600	0.03	1	3
5.	LIE S/Hawkins SB L	*	100	78	3.0	351	1600	0.03	1	3
6.	LIE S/Hawkins SB TT	*	100	75	3.0	323	1600	0.03	1	3
7.	LIE S/Hawkins NB TTR	*	100	75	3.0	694	1600	0.03	1	3
8.	LIE S/Hawk EB LTTR	*	100	50	3.0	2284	1600	0.03	1	3
9.	Hawk/Union SB L	*	81	62	3.0	380	1600	0.03	1	3
10.	Hawk/Union SB T	*	81	22	3.0	155	1600	0.03	1	3
11.	Hawk/Union WB L	*	81	59	3.0	78	1600	0.03	1	3
12.	Hawk/Union WB R	*	81	40	3.0	436	1600	0.03	1	3
13.	Hawk/Union NB TR	*	81	41	3.0	326	1600	0.03	1	3

RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1.	LIE N/Hawk NE1	*	3443.9	6057.5	6.0	*
2.	LIE N/Hawk NE2	*	3442.0	5982.5	6.0	*
3.	LIE N/Hawk NE3	*	3440.1	5907.5	6.0	*
4.	LIE N/Hawk NE4	*	3514.3	5918.6	6.0	*
5.	LIE N/Hawk NE5	*	3588.4	5929.8	6.0	*
6.	LIE N/Hawk SE1	*	3590.3	5855.2	6.0	*

7.	LIE N/Hawk SE2	*	3516.2	5844.1	6.0 *
8.	LIE N/Hawk SE3	*	3442.0	5833.0	6.0 *
9.	LIE N/Hawk SE4	*	3442.0	5758.0	6.0 *
10.	LIE N/Hawk SE5	*	3442.0	5683.0	6.0 *
11.	LIE N/Hawk SW1	*	3344.0	5660.1	6.0 *
12.	LIE N/Hawk SW2	*	3344.0	5744.4	6.0 *
13.	LIE N/Hawk SW3	*	3344.0	5819.1	6.0 *
14.	LIE N/Hawk SW4	*	3269.6	5809.1	6.0 *
15.	LIE N/Hawk SW5	*	3195.3	5799.2	6.0 *
16.	LIE N/Hawk NW1	*	3199.1	5874.3	6.0 *
17.	LIE N/Hawk NW2	*	3273.4	5884.3	6.0 *
18.	LIE N/Hawk NW3	*	3347.8	5894.3	6.0 *
19.	LIE N/Hawk NW4	*	3349.6	5969.3	6.0 *
20.	LIE N/Hawk NW5	*	3351.5	6044.3	6.0 *
21.	LIE S/Hawk NE1	*	3442.2	5637.3	6.0 *
22.	LIE S/Hawk NE2	*	3440.0	5562.3	6.0 *
23.	LIE S/Hawk NE3	*	3437.9	5487.3	6.0 *
24.	LIE S/Hawk NE4	*	3506.8	5516.9	6.0 *
25.	LIE S/Hawk NE5	*	3575.7	5546.5	6.0 *
26.	LIE S/Hawk SE1	*	3567.5	5462.4	6.0 *
27.	LIE S/Hawk SE2	*	3498.5	5432.8	6.0 *
28.	LIE S/Hawk SE3	*	3429.6	5403.3	6.0 *
29.	LIE S/Hawk SE4	*	3428.0	5328.3	6.0 *
30.	LIE S/Hawk SE5	*	3426.4	5253.3	6.0 *
31.	LIE S/Hawk SW1	*	3339.7	5219.1	6.0 *
32.	LIE S/Hawk SW2	*	3341.3	5294.1	6.0 *
33.	LIE S/Hawk SW3	*	3342.9	5369.1	6.0 *
34.	LIE S/Hawk SW4	*	3272.7	5342.7	6.0 *
35.	LIE S/Hawk SW5	*	3202.5	5316.3	6.0 *
36.	Hawk/Union NE1	*	3417.1	4859.8	6.0 *
37.	Hawk/Union NE2	*	3425.4	4785.3	6.0 *
38.	Hawk/Union NE3	*	3433.7	4710.7	6.0 *

JOB: Ronkonkama RUN: NOBUILD

DATE : 6/ 5/13
TIME : 9:17:53

RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
39.	Hawk/Union NE4	*	3509.1	4721.2	6.0	*
40.	Hawk/Union NE5	*	3582.3	4731.3	6.0	*
41.	Hawk/Union SE1	*	3584.7	4657.0	6.0	*
42.	Hawk/Union SE2	*	3510.4	4646.6	6.0	*
43.	Hawk/Union SE3	*	3436.1	4636.3	6.0	*
44.	Hawk/Union SE4	*	3444.8	4561.8	6.0	*
45.	Hawk/Union SE5	*	3453.0	4487.3	6.0	*
46.	Hawk/Union W1	*	3388.8	4506.5	6.0	*
47.	Hawk/Union W2	*	3380.2	4581.0	6.0	*
48.	Hawk/Union W3	*	3371.5	4655.5	6.0	*
49.	Hawk/Union W4	*	3357.2	4729.1	6.0	*
50.	Hawk/Union W5	*	3348.9	4803.7	6.0	*
51.	LIE S/Hawk NW1	*	3198.3	5393.8	6.0	*
52.	LIE S/Hawk NW2	*	3268.5	5420.2	6.0	*
53.	LIE S/Hawk NW3	*	3338.7	5446.6	6.0	*
54.	LIE S/Hawk NW4	*	3340.8	5521.6	6.0	*
55.	LIE S/Hawk NW5	*	3343.0	5596.5	6.0	*

JOB: Ronkonkama RUN: NOBUILD

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 (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	1.	1.	1.	0.	0.	1.	1.	2.	2.	2.	1.	1.	2.	1.	1.	0.	0.	1.	1.	1.
5. *	0.	0.	1.	0.	0.	1.	1.	2.	1.	1.	2.	2.	2.	1.	1.	0.	0.	1.	1.	1.
10. *	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	2.	2.	2.	1.	1.	0.	0.	2.	1.	1.
15. *	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	2.	2.	2.	1.	1.	0.	0.	2.	1.	1.
20. *	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	2.	2.	2.	1.	1.	0.	1.	2.	2.	1.

```
  25.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  30.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  35.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  40.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  45.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  50.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  55.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    0.    1.    2.
2.    1.
  60.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    0.    1.    2.
2.    1.
  65.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    1.    1.    2.
1.    1.
  70.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    1.    1.    2.
1.    1.
  75.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    1.    2.    2.    2.    1.    1.    2.
1.    1.
  80.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    2.    2.    2.    1.    1.    1.    2.    2.
1.    1.
  85.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    2.    1.    1.    1.    2.    2.
2.    1.
  90.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    2.    1.    1.    2.    2.    2.
2.    1.
  95.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    2.    1.    1.    2.    2.    2.
2.    1.
 100.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    2.    1.    1.    2.    2.    2.
2.    1.
 105.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    1.    1.    0.    2.    2.    2.
2.    1.
 110.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    1.    1.    1.    1.    2.    2.
2.    1.
 115.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    2.    1.    1.    1.    2.    2.    2.
2.    1.
 120.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    1.    2.    2.
2.    2.
 125.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    2.    2.    2.
2.    2.
 130.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    2.    2.    2.
2.    2.
 135.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    2.    1.    2.    2.    2.
2.    2.
 140.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    2.    2.    3.
2.    2.
 145.  *    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    2.    2.    3.
2.    2.
 150.  *    0.    1.    1.    1.    1.    0.    0.    0.    0.    1.    3.    2.    2.    2.    1.    2.    2.    3.
2.    2.
 155.  *    0.    1.    1.    1.    1.    0.    0.    0.    0.    1.    3.    2.    2.    1.    1.    2.    2.    3.
2.    2.
 160.  *    1.    1.    1.    1.    1.    0.    0.    0.    1.    1.    3.    3.    2.    1.    1.    2.    2.    3.
3.    2.
 165.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    3.    3.    2.    1.    1.    1.    2.    3.
3.    3.
 170.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    3.    3.    3.    1.    0.    1.    2.    3.
3.    3.
 175.  *    2.    2.    2.    1.    1.    0.    0.    1.    2.    1.    2.    2.    2.    1.    0.    1.    2.    3.
3.    3.
 180.  *    2.    2.    3.    1.    1.    0.    1.    2.    2.    2.    2.    2.    2.    1.    0.    1.    1.    2.
2.    2.
 185.  *    2.    2.    3.    2.    1.    0.    1.    2.    2.    2.    2.    2.    2.    1.    0.    0.    1.    1.    2.
2.    2.
 190.  *    3.    3.    3.    2.    1.    1.    1.    3.    3.    3.    1.    1.    1.    0.    0.    1.    1.    2.
1.    1.
 195.  *    3.    3.    3.    2.    2.    1.    1.    3.    3.    3.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 200.  *    2.    3.    3.    2.    2.    1.    1.    3.    3.    3.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 205.  *    2.    3.    3.    2.    2.    1.    1.    3.    3.    3.    1.    1.    0.    0.    0.    1.    1.    1.
1.    0.
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 WIND  * CONCENTRATION
 ANGLE *      (ug/m**3)
 (DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18
REC19 REC20
  REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
  REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

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------*-------------------------------------------------------------------------------
 210.  *    2.    2.    3.    2.    2.    1.    2.    2.    3.    3.    1.    0.    0.    0.    0.    1.    1.    1.
```



```
0.    0.
 215.  *    2.    2.    3.    3.    2.    1.    2.    2.    3.    3.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 220.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    3.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 225.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    3.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 230.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 235.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 240.  *    1.    2.    2.    2.    2.    1.    1.    1.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 245.  *    1.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 250.  *    1.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 255.  *    1.    1.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    0.    1.    1.
0.    0.
 260.  *    1.    1.    2.    1.    1.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    0.    0.    1.
0.    0.
 265.  *    1.    1.    2.    1.    1.    1.    1.    2.    2.    2.    0.    0.    1.    0.    0.    0.    0.    0.
0.    0.
 270.  *    1.    1.    2.    1.    1.    2.    2.    2.    2.    2.    0.    0.    1.    1.    0.    0.    0.    0.
0.    0.
 275.  *    1.    1.    2.    1.    1.    2.    2.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 280.  *    1.    1.    1.    1.    0.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 285.  *    1.    1.    1.    1.    0.    2.    2.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 290.  *    1.    1.    1.    1.    0.    2.    2.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 295.  *    1.    1.    1.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 300.  *    1.    1.    1.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 305.  *    1.    1.    1.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 310.  *    1.    1.    1.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 315.  *    1.    1.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 320.  *    1.    1.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 325.  *    1.    2.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 330.  *    1.    2.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 335.  *    1.    2.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 340.  *    1.    2.    2.    0.    0.    1.    2.    2.    2.    2.    0.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 345.  *    1.    2.    2.    0.    0.    1.    2.    2.    2.    2.    0.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 350.  *    1.    1.    2.    0.    0.    1.    1.    2.    2.    2.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 355.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 360.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    1.    1.    2.    1.    1.    0.    0.    1.
1.    1.

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 MAX   *    3.    3.    3.    3.    2.    2.    2.    3.    3.    3.    3.    3.    3.    3.    2.    2.    2.    2.    3.
3.    3.
 DEGR. *  195   190   195   215   205   275   295   190   205   205   160   170   170    45    60   140   150   175
160   165
```



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 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 *      (ug/m**3)
 (DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38
REC39 REC40

------*-------------------------------------------------------------------------------------------------------------------
-------
   0.  *    1.    2.    2.    0.    0.    2.    2.    4.    3.    2.    2.    3.    4.    2.    2.    1.    1.    1.
1.    0.
```

```
   5. *    1.    1.    1.    0.    0.    2.    2.    3.    2.    2.    3.    4.    4.    3.    2.    1.    1.    1.
0.    0.
  10. *    1.    1.    1.    0.    0.    2.    2.    3.    2.    2.    3.    3.    4.    3.    2.    1.    0.    0.
0.    0.
  15. *    0.    1.    1.    0.    0.    2.    2.    3.    2.    1.    3.    4.    4.    3.    3.    0.    0.    0.
0.    0.
  20. *    0.    0.    0.    0.    0.    2.    2.    2.    1.    1.    3.    3.    4.    4.    3.    0.    0.    0.
0.    0.
  25. *    0.    0.    0.    0.    0.    2.    2.    2.    1.    1.    3.    3.    4.    4.    3.    0.    0.    0.
0.    0.
  30. *    0.    0.    0.    0.    0.    2.    2.    2.    1.    1.    2.    3.    4.    4.    3.    0.    0.    0.
0.    0.
  35. *    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    2.    3.    4.    4.    4.    0.    0.    0.
0.    0.
  40. *    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    2.    3.    4.    4.    4.    0.    0.    0.
0.    0.
  45. *    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    2.    2.    4.    4.    4.    0.    0.    0.
0.    0.
  50. *    0.    0.    0.    0.    0.    2.    2.    2.    0.    0.    2.    2.    4.    4.    4.    0.    0.    0.
0.    0.
  55. *    0.    0.    0.    0.    0.    1.    2.    2.    0.    0.    2.    2.    4.    4.    3.    0.    0.    0.
0.    0.
  60. *    0.    0.    1.    0.    0.    1.    2.    2.    0.    0.    2.    2.    3.    3.    3.    0.    0.    0.
0.    0.
  65. *    0.    0.    1.    1.    0.    1.    1.    1.    0.    0.    1.    2.    3.    3.    3.    0.    0.    0.
0.    0.
  70. *    0.    0.    1.    1.    0.    0.    1.    1.    0.    0.    1.    2.    2.    2.    2.    0.    0.    0.
0.    0.
  75. *    0.    0.    2.    1.    1.    0.    0.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  80. *    0.    0.    2.    2.    1.    0.    0.    0.    0.    0.    1.    1.    2.    1.    1.    0.    0.    0.
0.    0.
  85. *    0.    0.    2.    2.    1.    0.    0.    0.    0.    0.    1.    1.    2.    1.    1.    0.    0.    0.
0.    0.
  90. *    0.    0.    2.    2.    1.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
0.    0.
  95. *    0.    1.    2.    2.    1.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    0.
 100. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    0.
 105. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    0.
 110. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    0.
 115. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    0.
 120. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 125. *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 130. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 135. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 140. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 145. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 150. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 155. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 160. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 165. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    1.    1.    1.
1.    1.
 170. *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    0.    0.    1.    1.    1.
1.    1.
 175. *    1.    1.    2.    2.    2.    0.    0.    1.    1.    1.    1.    2.    2.    0.    0.    1.    1.    1.
1.    1.
 180. *    2.    2.    3.    2.    2.    0.    0.    1.    1.    1.    1.    1.    2.    0.    0.    1.    1.    1.
1.    1.
 185. *    2.    2.    3.    2.    2.    0.    0.    2.    1.    1.    0.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 190. *    2.    3.    4.    2.    2.    0.    0.    2.    2.    1.    0.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 195. *    3.    3.    4.    3.    2.    0.    0.    2.    2.    1.    0.    0.    1.    0.    0.    2.    1.    1.
1.    1.
 200. *    3.    3.    4.    2.    2.    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    2.
1.    1.
 205. *    3.    3.    4.    3.    2.    0.    1.    2.    2.    1.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
```


JOB: Ronkonkama RUN: NOBUILD

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (ug/m**3)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40


```
------*-------------------------------------------------------------------------------------------------------------------
-------
 210. *    3.    3.    4.    3.    3.    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 215. *    3.    3.    4.    3.    3.    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 220. *    3.    3.    4.    3.    3.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 225. *    2.    3.    4.    3.    3.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 230. *    2.    3.    4.    3.    3.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 235. *    2.    2.    4.    3.    3.    1.    1.    2.    2.    2.    0.    0.    1.    0.    0.    1.    1.    1.
1.    1.
 240. *    2.    2.    4.    3.    3.    2.    2.    2.    1.    1.    0.    0.    1.    0.    0.    1.    1.    1.
1.    1.
 245. *    2.    2.    3.    3.    2.    2.    2.    2.    1.    1.    0.    0.    1.    1.    0.    1.    1.    1.
1.    1.
 250. *    2.    2.    3.    2.    2.    2.    3.    3.    2.    1.    0.    0.    2.    1.    1.    1.    1.    1.
1.    1.
 255. *    2.    1.    2.    2.    2.    3.    3.    4.    2.    1.    0.    0.    2.    2.    1.    1.    1.    1.
1.    1.
 260. *    2.    1.    2.    1.    1.    3.    3.    4.    2.    2.    0.    0.    3.    2.    1.    1.    1.    1.
1.    1.
 265. *    2.    1.    2.    1.    1.    3.    4.    4.    2.    2.    0.    0.    3.    2.    2.    1.    1.    1.
1.    1.
 270. *    2.    1.    2.    1.    1.    3.    4.    4.    2.    2.    0.    1.    3.    2.    2.    1.    1.    1.
1.    0.
 275. *    2.    1.    1.    1.    1.    3.    3.    4.    2.    2.    0.    1.    3.    3.    2.    1.    1.    1.
1.    0.
 280. *    2.    1.    1.    1.    1.    3.    3.    4.    2.    2.    0.    1.    3.    3.    2.    1.    1.    1.
0.    0.
 285. *    2.    1.    2.    1.    1.    3.    3.    4.    3.    2.    0.    1.    3.    2.    2.    1.    1.    1.
0.    0.
 290. *    2.    1.    2.    1.    1.    3.    3.    3.    2.    2.    0.    1.    3.    2.    2.    1.    1.    1.
0.    0.
 295. *    2.    2.    2.    1.    1.    3.    3.    3.    2.    2.    0.    1.    3.    2.    2.    0.    1.    1.
0.    0.
 300. *    2.    2.    2.    1.    1.    3.    3.    3.    2.    2.    1.    1.    3.    2.    2.    0.    1.    1.
0.    0.
 305. *    2.    2.    2.    1.    1.    3.    3.    3.    2.    2.    1.    1.    2.    2.    2.    0.    1.    1.
0.    0.
 310. *    2.    2.    2.    1.    1.    2.    3.    3.    3.    2.    1.    1.    2.    2.    2.    1.    1.    1.
1.    0.
 315. *    2.    2.    2.    1.    1.    2.    3.    4.    3.    2.    1.    1.    2.    2.    2.    1.    1.    1.
0.    0.
 320. *    2.    2.    2.    1.    1.    2.    3.    3.    3.    2.    1.    1.    2.    2.    2.    0.    1.    1.
1.    0.
 325. *    2.    2.    2.    1.    1.    2.    3.    4.    3.    3.    1.    1.    2.    2.    2.    1.    1.    1.
1.    0.
 330. *    2.    3.    2.    1.    1.    2.    3.    4.    3.    3.    1.    1.    2.    2.    2.    1.    1.    1.
1.    0.
 335. *    2.    2.    2.    1.    1.    3.    3.    4.    3.    3.    1.    1.    3.    2.    2.    1.    1.    2.
1.    0.
 340. *    2.    2.    2.    1.    0.    2.    3.    4.    3.    3.    1.    2.    3.    2.    2.    1.    1.    2.
1.    1.
 345. *    2.    3.    2.    1.    0.    2.    3.    4.    3.    3.    1.    2.    3.    2.    2.    1.    1.    2.
1.    1.
 350. *    2.    2.    2.    1.    0.    2.    3.    4.    3.    3.    2.    2.    3.    2.    2.    1.    2.    2.
1.    1.
 355. *    2.    2.    2.    0.    0.    2.    2.    4.    3.    3.    2.    2.    3.    2.    2.    1.    1.    1.
1.    1.
 360. *    1.    2.    2.    0.    0.    2.    2.    4.    3.    2.    2.    3.    4.    2.    2.    1.    1.    1.
1.    0.
------*-------------------------------------------------------------------------------------------------------------------
-------
 MAX  *    3.    3.    4.    3.    3.    3.    4.    4.    3.    3.    3.    4.    4.    4.    4.    2.    2.    2.
1.    1.
 DEGR.*  200   210   215   230   230   260   265   345   345   345    10     5    10    45    45   195   350   340
225   240
```


JOB: Ronkonkama RUN: NOBUILD

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 * (ug/m**3)
(DEGR)* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

```
------*-------------------------------------------------------------------------------------------------
  0. *    1.    1.    2.    2.    1.    2.    2.    2.    2.    0.    0.    2.    2.    2.
```

5.	*	1.	1.	2.	1.	1.	2.	2.	2.	2.	2.	0.	1.	2.	2.	2.
10.	*	1.	1.	1.	1.	0.	1.	2.	2.	2.	2.	0.	1.	2.	2.	2.
15.	*	1.	1.	1.	1.	0.	1.	1.	2.	2.	2.	0.	1.	2.	2.	2.
20.	*	1.	1.	1.	0.	0.	1.	1.	1.	2.	2.	1.	1.	2.	2.	3.
25.	*	1.	1.	1.	0.	0.	1.	1.	2.	2.	1.	1.	1.	2.	2.	3.
30.	*	1.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	2.	3.
35.	*	1.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.
40.	*	0.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.
45.	*	0.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.
50.	*	0.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.
55.	*	0.	1.	1.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.
60.	*	0.	1.	1.	0.	0.	0.	1.	2.	1.	1.	1.	2.	2.	2.	2.
65.	*	0.	1.	1.	0.	0.	0.	1.	2.	1.	1.	2.	2.	2.	2.	2.
70.	*	0.	1.	1.	0.	0.	0.	1.	2.	1.	1.	2.	3.	3.	2.	2.
75.	*	0.	0.	1.	0.	0.	0.	1.	2.	1.	1.	3.	3.	3.	2.	2.
80.	*	0.	0.	0.	0.	0.	0.	1.	2.	1.	1.	3.	3.	3.	2.	2.
85.	*	0.	0.	0.	0.	0.	0.	1.	2.	1.	1.	3.	3.	4.	2.	2.
90.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	4.	4.	2.	2.
95.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	3.	3.	4.	2.	2.
100.	*	0.	0.	0.	0.	0.	0.	0.	1.	2.	1.	3.	3.	3.	2.	2.
105.	*	0.	0.	0.	0.	0.	0.	0.	1.	2.	1.	3.	3.	3.	3.	2.
110.	*	0.	0.	0.	0.	0.	0.	0.	1.	2.	1.	3.	3.	3.	2.	2.
115.	*	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	3.	3.	3.	2.	2.
120.	*	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	3.	3.	3.	2.	2.
125.	*	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	3.	3.	3.	2.	2.
130.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	3.	3.	2.	2.
135.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	3.	3.	2.	2.
140.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	3.	3.	3.	2.
145.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	3.	3.	3.	2.
150.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	3.	3.	3.	2.
155.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	3.	3.	3.	3.	3.
160.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	3.	3.	3.	2.
165.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	3.	4.	3.	3.
170.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	4.	3.	2.	2.
175.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	3.	2.
180.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	2.	2.
185.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	2.	2.
190.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	2.	2.
195.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	2.	1.
200.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	1.	1.
205.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	1.	1.

JOB: Ronkonkama RUN: NOBUILD

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	* CONCENTRATION (ug/m**3) * REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
210.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	1.	1.
215.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	1.	1.
220.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	1.	1.
225.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	3.	3.	1.	0.
230.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	3.	3.	1.	0.
235.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	2.	2.	3.	1.	0.
240.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	2.	1.	0.
245.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	0.	0.
250.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	0.	0.
255.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	0.
260.	*	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
265.	*	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
270.	*	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
275.	*	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
280.	*	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
285.	*	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
290.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
295.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
300.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
305.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
310.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
315.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
320.	*	1.	1.	2.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
325.	*	1.	2.	2.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
330.	*	1.	1.	2.	1.	1.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.
335.	*	1.	1.	2.	1.	1.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.
340.	*	1.	1.	2.	1.	1.	0.	0.	0.	0.	0.	0.	1.	1.	0.	0.
345.	*	1.	2.	2.	2.	1.	0.	1.	1.	1.	0.	0.	1.	1.	1.	1.
350.	*	1.	2.	2.	2.	2.	1.	1.	1.	1.	1.	0.	0.	1.	1.	1.
355.	*	1.	2.	2.	2.	2.	1.	2.	2.	2.	1.	0.	0.	1.	1.	1.
360.	*	1.	1.	2.	2.	1.	2.	2.	2.	2.	2.	0.	0.	2.	2.	2.
MAX	*	1.	2.	2.	2.	2.	2.	2.	2.	2.	2.	3.	4.	4.	3.	3.
DEGR.	*	345	350	350	355	355	0	5	5	10	10	95	90	165	145	25

THE HIGHEST CONCENTRATION OF 4. ug/m**3 OCCURRED AT RECEPTOR REC33.

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

      JOB: Ronkonkama                                          RUN: BUILD

      DATE :  6/ 5/13
      TIME :  9:18: 2

         The MODE flag has been set to P for calculating PM averages.

       SITE & METEOROLOGICAL VARIABLES
       -------------------------------
       VS =   0.0 CM/S       VD =   0.0 CM/S       Z0 = 175. CM
        U =  1.0 M/S         CLAS =   4  (D)     ATIM =  60. MINUTES     MIXH =  1000. M   AMB =  0.0 ug/m**3

       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. LIE N/Hawkins SB TTR*   3375.1    5903.8    3376.6    6018.4 *     115.     1. AG      0. 100.0   1.0 20.0
0.64   5.8
       2. LIE N/Hawk WB LTTR  *   3446.1    5872.5    3544.1    5889.4 *     100.    80. AG      0. 100.0   1.0 30.0
0.51   5.1
       3. LIE N/Hawkins NB L  *   3393.3    5814.6    3346.6    3433.7 *    2381.   181. AG      0. 100.0   1.0 10.0
2.88 121.0
       4. LIE N/Hawkins NB TT *   3416.2    5814.3    3415.8    5689.2 *     125.   180. AG      0. 100.0   1.0 20.0
0.70   6.4
       5. LIE S/Hawkins SB L  *   3391.1    5495.9    3411.4    6938.9 *    1443.     1. AG      0. 100.0   1.0 10.0
1.43  73.3
       6. LIE S/Hawkins SB TT *   3370.8    5481.6    3372.7    5586.0 *     104.     1. AG      0. 100.0   1.0 20.0
0.75   5.3
       7. LIE S/Hawkins NB TTR*   3405.1    5396.8    3359.1    3358.0 *    2039.   181. AG      0. 100.0   1.0 20.0
1.54 103.6
       8. LIE S/Hawk EB LTTR  *   3339.3    5401.9    2231.6    4988.3 *    1182.   250. AG      0. 100.0   1.0 30.0
1.12  60.1
       9. Hawk/Union SB L     *   3390.6    4708.0    3229.3    6783.0 *    2081.   356. AG      0. 100.0   1.0 10.0
1.66 105.7
      10. Hawk/Union SB T     *   3377.8    4706.1    3373.5    4748.0 *      42.   354. AG      0. 100.0   1.0 10.0
0.33   2.1
      11. Hawk/Union WB L     *   3438.0    4679.8    3463.1    4682.3 *      25.    84. AG      0. 100.0   1.0 10.0
0.23   1.3
      12. Hawk/Union WB R     *   3437.3    4691.3    3549.9    4707.3 *     114.    82. AG      0. 100.0   1.0 10.0
0.73   5.8
      13. Hawk/Union NB TR    *   3412.5    4623.3    3426.5    4501.5 *     123.   173. AG      0. 100.0   1.0 10.0
0.77   6.2
      14. LIE N/Hawkins N     *   3393.0    5863.0    3401.9    6218.8 *     356.     1. AG   1516.    0.0   1.0 72.0
      15. LIE N/Hawkins E     *   3393.0    5863.0    3735.4    5914.4 *     346.    81. AG    975.    0.0   1.0 54.0
      16. LIE N/Hawkins S     *   3393.0    5863.0    3393.0    5611.5 *     252.   180. AG   1527.    0.0   1.0 78.0
      17. LIE N/Hawkins W     *   3393.0    5863.0    3036.7    5815.2 *     359.   262. AG    834.    0.0   1.0 54.0
      18. LIE S/Hawkins N     *   3387.1    5425.3    3394.1    5670.0 *     245.     2. AG   1527.    0.0   1.0 78.0
      19. LIE S/Hawkins E     *   3387.1    5425.3    3651.9    5538.9 *     288.    67. AG   2293.    0.0   1.0 54.0
      20. LIE S/Hawkins S     *   3387.1    5425.3    3381.2    5147.1 *     278.   181. AG   1200.    0.0   1.0 66.0
      21. LIE S/Hawkins W     *   3387.1    5425.3    3108.2    5320.4 *     298.   249. AG   2284.    0.0   1.0 54.0
      22. Union/Hawkins N     *   3401.1    4668.8    3378.9    4869.0 *     201.   354. AG   1206.    0.0   1.0 54.0
      23. Union/Hawkins E     *   3401.1    4668.8    3620.2    4699.3 *     221.    82. AG    985.    0.0   1.0 54.0
      24. Union/Hawkins S     *   3401.1    4668.8    3421.1    4497.9 *     172.   173. AG    559.    0.0   1.0 42.0
♀                                                                                                             PAGE  2
      JOB: Ronkonkama                                          RUN: BUILD

      DATE :  6/ 5/13
      TIME :  9:18: 2

       1. LIE N/Hawkins SB TTR*     100       62       3.0       676       1600       0.03      1        3
       2. LIE N/Hawk WB LTTR  *     100       50       3.0      1092       1600       0.03      1        3
       3. LIE N/Hawkins NB L  *     100       88       3.0       323       1600       0.03      1        3
       4. LIE N/Hawkins NB TT *     100       62       3.0       739       1600       0.03      1        3
       5. LIE S/Hawkins SB L  *     100       78       3.0       390       1600       0.03      1        3
       6. LIE S/Hawkins SB TT *     100       75       3.0       479       1600       0.03      1        3
       7. LIE S/Hawkins NB TTR*     100       75       3.0       986       1600       0.03      1        3
       8. LIE S/Hawk EB LTTR  *     100       50       3.0      2411       1600       0.03      1        3
       9. Hawk/Union SB L     *      81       62       3.0       458       1600       0.03      1        3
      10. Hawk/Union SB T     *      81       22       3.0       350       1600       0.03      1        3
      11. Hawk/Union WB L     *      81       59       3.0        78       1600       0.03      1        3
      12. Hawk/Union WB R     *      81       40       3.0       520       1600       0.03      1        3
      13. Hawk/Union NB TR    *      81       41       3.0       534       1600       0.03      1        3

       RECEPTOR LOCATIONS
       ------------------
                              *           COORDINATES (FT)          *
         RECEPTOR             *      X          Y          Z        *
     -------------------------*-------------------------------------*
      1. LIE N/Hawk NE1       *      3443.9     6057.5        6.0   *
      2. LIE N/Hawk NE2       *      3442.0     5982.5        6.0   *
      3. LIE N/Hawk NE3       *      3440.1     5907.5        6.0   *
      4. LIE N/Hawk NE4       *      3514.3     5918.6        6.0   *
      5. LIE N/Hawk NE5       *      3588.4     5929.8        6.0   *
      6. LIE N/Hawk SE1       *      3590.3     5855.2        6.0   *
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BD_PM10.out

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      7. LIE N/Hawk SE2       *      3516.2     5844.1        6.0   *
      8. LIE N/Hawk SE3       *      3442.0     5833.0        6.0   *
      9. LIE N/Hawk SE4       *      3442.0     5758.0        6.0   *
     10. LIE N/Hawk SE5       *      3442.0     5683.0        6.0   *
     11. LIE N/Hawk SW1       *      3344.0     5669.1        6.0   *
     12. LIE N/Hawk SW2       *      3344.0     5744.4        6.0   *
     13. LIE N/Hawk SW3       *      3344.0     5819.1        6.0   *
     14. LIE N/Hawk SW4       *      3269.6     5809.1        6.0   *
     15. LIE N/Hawk SW5       *      3195.3     5799.2        6.0   *
     16. LIE N/Hawk NW1       *      3199.1     5874.3        6.0   *
     17. LIE N/Hawk NW2       *      3273.4     5884.3        6.0   *
     18. LIE N/Hawk NW3       *      3347.8     5894.3        6.0   *
     19. LIE N/Hawk NW4       *      3349.6     5969.3        6.0   *
     20. LIE N/Hawk NW5       *      3351.5     6044.3        6.0   *
     21. LIE S/Hawk NE1       *      3442.2     5637.3        6.0   *
     22. LIE S/Hawk NE2       *      3440.0     5562.3        6.0   *
     23. LIE S/Hawk NE3       *      3437.9     5487.3        6.0   *
     24. LIE S/Hawk NE4       *      3506.8     5516.9        6.0   *
     25. LIE S/Hawk NE5       *      3575.7     5546.5        6.0   *
     26. LIE S/Hawk SE1       *      3567.5     5462.4        6.0   *
     27. LIE S/Hawk SE2       *      3498.5     5432.8        6.0   *
     28. LIE S/Hawk SE3       *      3429.6     5403.3        6.0   *
     29. LIE S/Hawk SE4       *      3428.0     5328.3        6.0   *
     30. LIE S/Hawk SE5       *      3426.4     5253.3        6.0   *
     31. LIE S/Hawk SW1       *      3339.7     5219.1        6.0   *
     32. LIE S/Hawk SW2       *      3341.3     5294.1        6.0   *
     33. LIE S/Hawk SW3       *      3342.9     5369.1        6.0   *
     34. LIE S/Hawk SW4       *      3272.7     5342.7        6.0   *
     35. LIE S/Hawk SW5       *      3202.5     5316.3        6.0   *
     36. Hawk/Union NE1       *      3417.1     4859.8        6.0   *
     37. Hawk/Union NE2       *      3425.4     4785.3        6.0   *
     38. Hawk/Union NE3       *      3433.7     4710.7        6.0   *
♀                                                                                                             PAGE  3
      JOB: Ronkonkama                                          RUN: BUILD

      DATE :  6/ 5/13
      TIME :  9:18: 2


       RECEPTOR LOCATIONS
       ------------------
                              *           COORDINATES (FT)          *
         RECEPTOR             *      X          Y          Z        *
     -------------------------*-------------------------------------*
     39. Hawk/Union NE4       *      3509.1     4721.2        6.0   *
     40. Hawk/Union NE5       *      3582.3     4731.3        6.0   *
     41. Hawk/Union SE1       *      3584.7     4657.0        6.0   *
     42. Hawk/Union SE2       *      3510.4     4646.6        6.0   *
     43. Hawk/Union SE3       *      3436.1     4636.3        6.0   *
     44. Hawk/Union SE4       *      3444.8     4561.8        6.0   *
     45. Hawk/Union SE5       *      3453.0     4487.3        6.0   *
     46. Hawk/Union W1        *      3388.8     4506.5        6.0   *
     47. Hawk/Union W2        *      3380.2     4581.0        6.0   *
     48. Hawk/Union W3        *      3371.5     4655.5        6.0   *
     49. Hawk/Union W4        *      3357.2     4729.1        6.0   *
     50. Hawk/Union W5        *      3348.9     4803.7        6.0   *
     51. LIE S/Hawk NW1       *      3198.3     5393.8        6.0   *
     52. LIE S/Hawk NW2       *      3268.5     5420.2        6.0   *
     53. LIE S/Hawk NW3       *      3338.7     5446.6        6.0   *
     54. LIE S/Hawk NW4       *      3340.8     5521.6        6.0   *
     55. LIE S/Hawk NW5       *      3343.0     5596.5        6.0   *
♀                                                                                                             PAGE  4
      JOB: Ronkonkama                                          RUN: BUILD

       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 *      (ug/m**3)
 (DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18
REC19 REC20

------*-----------------------------------------------------------------------------------------------------------------
-------
   0.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    1.    2.    2.    1.    1.    0.    0.    1.
1.    1.
   5.  *    0.    1.    1.    0.    0.    1.    1.    2.    1.    1.    2.    2.    2.    1.    1.    0.    0.    1.
1.    1.
  10.  *    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    2.    2.    2.    1.    1.    0.    0.    2.
1.    1.
  15.  *    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    2.    2.    2.    1.    1.    0.    1.    2.
2.    1.
  20.  *    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    2.    2.    2.    1.    1.    0.    1.    2.
2.    1.
```

```
  25.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  30.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  35.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  40.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  45.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  50.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    1.    2.
2.    1.
  55.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    1.    1.    2.
2.    1.
  60.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    1.    1.    2.
2.    1.
  65.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    1.    1.    2.
2.    1.
  70.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    2.    1.    1.    2.
2.    1.
  75.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    1.    2.    2.    2.    1.    1.    2.
1.    1.
  80.  *    0.    0.    1.    0.    0.    0.    0.    1.    0.    0.    2.    2.    2.    2.    1.    1.    2.    2.
1.    1.
  85.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    2.    1.    2.    1.    1.    1.    2.    2.
2.    1.
  90.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    2.    1.    1.    2.    2.    2.
2.    1.
  95.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    2.    1.    1.    2.    2.    2.
2.    1.
 100.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    2.    1.    1.    2.    2.    2.
2.    1.
 105.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    1.    1.    0.    2.    2.    2.
2.    1.
 110.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    1.    1.    1.    1.    1.    2.    2.
2.    1.
 115.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    2.    2.    1.    1.    1.    2.    2.    2.
2.    1.
 120.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    1.    2.    2.
2.    2.
 125.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    2.    2.    2.
2.    2.
 130.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    2.    2.    2.
2.    2.
 135.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    2.    1.    2.    2.    2.
2.    2.
 140.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    2.    2.    3.
2.    2.
 145.  *    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    3.    2.    2.    1.    1.    2.    2.    3.
2.    2.
 150.  *    0.    1.    1.    1.    1.    0.    0.    0.    0.    1.    3.    2.    2.    2.    1.    2.    2.    3.
2.    2.
 155.  *    1.    1.    1.    1.    1.    0.    0.    0.    0.    1.    3.    2.    2.    1.    1.    2.    2.    3.
2.    2.
 160.  *    1.    1.    1.    1.    1.    0.    0.    0.    1.    1.    3.    3.    2.    1.    1.    2.    2.    3.
3.    2.
 165.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    3.    3.    2.    1.    1.    1.    2.    3.
3.    3.
 170.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    3.    3.    3.    1.    1.    2.    2.    3.
3.    3.
 175.  *    2.    2.    2.    2.    1.    0.    0.    2.    2.    2.    3.    2.    2.    1.    1.    1.    2.    3.
3.    3.
 180.  *    2.    2.    3.    2.    1.    0.    1.    2.    2.    2.    2.    2.    2.    1.    0.    1.    1.    2.
2.    2.
 185.  *    2.    2.    3.    2.    1.    1.    1.    2.    2.    2.    2.    2.    2.    1.    0.    1.    1.    2.
2.    2.
 190.  *    3.    3.    3.    2.    2.    1.    1.    3.    3.    3.    1.    2.    1.    0.    0.    1.    1.    2.
1.    1.
 195.  *    3.    3.    3.    2.    2.    1.    1.    3.    3.    3.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 200.  *    2.    3.    3.    2.    2.    1.    1.    3.    3.    3.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 205.  *    2.    3.    3.    3.    2.    1.    1.    3.    3.    3.    1.    1.    0.    0.    0.    1.    1.    1.
1.    1.
```


JOB: Ronkonkama RUN: BUILD

```
 WIND  * CONCENTRATION
 ANGLE *      (ug/m**3)
 (DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18
REC19 REC20
 REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
 REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

------*-----------------------------------------------------------------------------------------------------------------
-------

------*-----------------------------------------------------------------------------------------------------------------
-------
------*-----------------------------------------------------------------------------
 210.  *    2.    2.    3.    2.    2.    1.    2.    2.    3.    3.    1.    0.    0.    0.    0.    1.    1.    1.
```



```
1.    0.
 215.  *    2.    2.    3.    3.    2.    1.    2.    2.    3.    3.    0.    0.    0.    0.    0.    1.    1.    1.
1.    0.
 220.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    3.    0.    0.    0.    0.    0.    1.    1.    1.
1.    0.
 225.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    3.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 230.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 235.  *    2.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 240.  *    2.    2.    2.    2.    2.    1.    1.    1.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 245.  *    1.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 250.  *    1.    2.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 255.  *    1.    1.    2.    2.    2.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    0.    1.    1.
0.    0.
 260.  *    1.    1.    2.    1.    1.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    0.    0.    1.
0.    0.
 265.  *    1.    1.    2.    1.    1.    1.    1.    2.    2.    2.    0.    0.    1.    0.    0.    0.    0.    0.
0.    0.
 270.  *    1.    1.    2.    1.    1.    2.    2.    2.    2.    2.    0.    0.    1.    1.    0.    0.    0.    0.
0.    0.
 275.  *    1.    1.    2.    1.    1.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 280.  *    1.    1.    1.    1.    1.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 285.  *    1.    1.    1.    1.    0.    2.    2.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 290.  *    1.    1.    1.    1.    0.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 295.  *    1.    1.    1.    1.    0.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 300.  *    1.    1.    1.    1.    0.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 305.  *    1.    1.    1.    1.    0.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 310.  *    1.    1.    1.    1.    0.    2.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 315.  *    1.    1.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 320.  *    1.    2.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 325.  *    2.    2.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 330.  *    1.    2.    2.    1.    0.    1.    2.    2.    2.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 335.  *    1.    2.    2.    1.    0.    1.    2.    2.    3.    2.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 340.  *    1.    2.    2.    0.    0.    1.    2.    2.    2.    2.    0.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 345.  *    1.    2.    2.    0.    0.    1.    2.    2.    2.    2.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 350.  *    1.    1.    2.    0.    0.    1.    2.    2.    2.    2.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 355.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    1.    1.    1.    1.    1.    0.    0.    1.
0.    0.
 360.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    1.    2.    2.    1.    1.    0.    0.    1.
1.    1.
```


JOB: Ronkonkama RUN: BUILD

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 *      (ug/m**3)
 (DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38
REC39 REC40

------*-----------------------------------------------------------------------------------------------------------------
-------
  0.  *    1.    2.    2.    0.    0.    2.    2.    4.    3.    2.    2.    3.    4.    2.    2.    1.    1.    1.
1.    0.
```



```
 MAX   *    3.    3.    3.    3.    2.    2.    2.    3.    3.    3.    3.    3.    3.    2.    2.    2.    2.    3.
3.    3.
 DEGR. *  195   190   195   215   210   275   295   195   200   210   160   170   170    45    60   145   150   170
170   170
```

```
   5.  *    1.    1.    1.    0.    0.    2.    2.    3.    2.    2.    3.    4.    4.    3.    2.    1.    1.    1.
0.    0.
  10.  *    1.    1.    1.    0.    0.    2.    2.    3.    2.    2.    3.    4.    4.    3.    2.    1.    0.    0.
0.    0.
  15.  *    1.    1.    1.    0.    0.    2.    2.    3.    2.    1.    3.    4.    4.    3.    3.    0.    0.    0.
0.    0.
  20.  *    0.    0.    0.    0.    0.    2.    2.    2.    1.    1.    3.    3.    4.    4.    3.    0.    0.    0.
0.    0.
  25.  *    0.    0.    0.    0.    0.    2.    2.    2.    1.    1.    3.    3.    4.    4.    3.    0.    0.    0.
0.    0.
  30.  *    0.    0.    0.    0.    0.    2.    2.    2.    1.    1.    2.    3.    4.    4.    3.    0.    0.    0.
0.    0.
  35.  *    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    2.    3.    4.    4.    4.    0.    0.    0.
0.    0.
  40.  *    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    2.    3.    4.    4.    4.    0.    0.    0.
0.    0.
  45.  *    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    2.    2.    4.    4.    4.    0.    0.    0.
0.    0.
  50.  *    0.    0.    0.    0.    0.    2.    2.    2.    0.    0.    2.    2.    4.    4.    4.    0.    0.    0.
0.    0.
  55.  *    0.    0.    0.    0.    0.    1.    2.    2.    0.    0.    2.    2.    4.    4.    3.    0.    0.    0.
0.    0.
  60.  *    0.    0.    1.    0.    0.    1.    2.    2.    0.    0.    2.    2.    3.    3.    3.    0.    0.    0.
0.    0.
  65.  *    0.    0.    1.    1.    0.    1.    1.    1.    0.    0.    1.    2.    3.    3.    3.    0.    0.    0.
0.    0.
  70.  *    0.    0.    1.    1.    0.    0.    1.    1.    0.    0.    1.    2.    2.    2.    2.    0.    0.    0.
0.    0.
  75.  *    0.    0.    2.    1.    1.    0.    0.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  80.  *    0.    0.    2.    2.    1.    0.    0.    0.    0.    0.    1.    1.    2.    1.    1.    0.    0.    0.
0.    0.
  85.  *    0.    0.    2.    2.    1.    0.    0.    0.    0.    0.    1.    1.    2.    1.    1.    0.    0.    1.
0.    0.
  90.  *    0.    0.    2.    2.    1.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
0.    0.
  95.  *    0.    1.    2.    2.    1.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    0.
 100.  *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    0.
 105.  *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    0.
 110.  *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    0.
 115.  *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    0.
 120.  *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 125.  *    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 130.  *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 135.  *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    1.    1.    0.    0.    0.    1.
1.    0.
 140.  *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 145.  *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 150.  *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 155.  *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    1.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 160.  *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    0.    0.    1.
1.    1.
 165.  *    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    2.    2.    2.    1.    0.    1.    1.    1.
1.    1.
 170.  *    1.    1.    2.    2.    2.    0.    0.    0.    1.    0.    1.    2.    2.    0.    0.    1.    1.    1.
1.    1.
 175.  *    1.    2.    3.    2.    2.    0.    0.    1.    1.    1.    1.    2.    2.    0.    0.    1.    1.    1.
1.    1.
 180.  *    2.    2.    3.    2.    2.    0.    0.    1.    1.    1.    1.    1.    2.    0.    0.    2.    2.    2.
1.    1.
 185.  *    2.    2.    3.    2.    2.    0.    1.    2.    1.    1.    0.    1.    1.    0.    0.    2.    2.    2.
1.    1.
 190.  *    2.    3.    4.    2.    2.    0.    0.    2.    2.    1.    0.    1.    1.    0.    0.    2.    2.    2.
1.    1.
 195.  *    3.    3.    4.    3.    2.    0.    1.    2.    2.    2.    0.    0.    1.    0.    0.    2.    2.    2.
1.    1.
 200.  *    3.    3.    4.    3.    2.    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    2.    2.    2.
1.    1.
 205.  *    3.    3.    4.    3.    2.    0.    1.    2.    2.    1.    0.    0.    0.    0.    0.    2.    2.    2.
1.    1.
```


JOB: Ronkonkama RUN: BUILD

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (ug/m**3)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40


```
------*-------------------------------------------------------------------------------------------------------------------
-------
 210.  *    3.    3.    4.    3.    3.    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    2.    2.    2.
1.    1.
 215.  *    3.    3.    4.    3.    3.    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    2.    2.    2.
1.    1.
 220.  *    3.    3.    4.    3.    3.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    2.    2.    2.
1.    1.
 225.  *    3.    3.    4.    3.    3.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    2.    2.    2.
2.    1.
 230.  *    2.    3.    4.    3.    3.    1.    1.    2.    2.    2.    0.    0.    0.    0.    0.    2.    2.    2.
2.    1.
 235.  *    2.    2.    4.    3.    3.    1.    1.    2.    2.    2.    0.    0.    1.    0.    0.    2.    1.    2.
1.    1.
 240.  *    2.    2.    4.    3.    3.    2.    2.    2.    1.    1.    0.    0.    1.    1.    0.    1.    1.    1.
1.    1.
 245.  *    2.    2.    3.    3.    2.    2.    2.    2.    2.    1.    0.    0.    1.    1.    0.    1.    1.    1.
1.    1.
 250.  *    2.    2.    3.    2.    2.    2.    3.    3.    2.    1.    0.    0.    2.    1.    1.    1.    1.    1.
1.    1.
 255.  *    2.    2.    2.    2.    2.    3.    3.    4.    2.    2.    0.    0.    2.    2.    1.    1.    1.    1.
1.    1.
 260.  *    2.    2.    2.    1.    1.    3.    3.    4.    2.    2.    0.    0.    3.    2.    1.    1.    1.    1.
1.    1.
 265.  *    2.    2.    2.    1.    1.    3.    4.    4.    2.    2.    0.    0.    3.    2.    2.    1.    2.    1.
1.    1.
 270.  *    2.    2.    2.    1.    1.    3.    4.    4.    2.    2.    0.    1.    3.    2.    2.    1.    1.    1.
1.    1.
 275.  *    2.    1.    1.    1.    1.    3.    3.    4.    2.    2.    0.    1.    3.    3.    2.    1.    1.    1.
1.    0.
 280.  *    2.    1.    1.    1.    1.    3.    3.    4.    2.    2.    0.    1.    3.    3.    2.    1.    1.    1.
1.    0.
 285.  *    2.    1.    2.    1.    1.    3.    3.    4.    3.    2.    0.    1.    3.    2.    2.    1.    1.    1.
1.    0.
 290.  *    2.    2.    2.    1.    1.    3.    3.    3.    2.    2.    0.    1.    3.    2.    2.    1.    1.    1.
1.    0.
 295.  *    2.    2.    2.    1.    1.    3.    3.    3.    2.    2.    0.    1.    3.    2.    2.    1.    2.    1.
1.    0.
 300.  *    2.    2.    2.    1.    1.    3.    3.    3.    2.    2.    1.    1.    3.    2.    2.    1.    2.    1.
1.    0.
 305.  *    2.    2.    2.    1.    1.    3.    3.    3.    2.    2.    1.    1.    2.    2.    2.    1.    2.    1.
1.    0.
 310.  *    2.    2.    2.    1.    1.    2.    3.    3.    3.    2.    1.    1.    2.    2.    2.    1.    2.    2.
1.    0.
 315.  *    2.    2.    2.    1.    1.    2.    3.    4.    3.    2.    1.    1.    2.    2.    2.    1.    2.    2.
1.    0.
 320.  *    2.    2.    2.    1.    1.    2.    3.    3.    3.    2.    1.    1.    2.    2.    2.    1.    2.    2.
1.    0.
 325.  *    2.    2.    2.    1.    1.    2.    3.    4.    3.    3.    1.    1.    2.    2.    2.    1.    2.    2.
1.    0.
 330.  *    2.    3.    2.    1.    1.    2.    3.    4.    3.    3.    1.    1.    2.    2.    2.    1.    1.    2.
1.    0.
 335.  *    2.    2.    2.    1.    1.    3.    3.    4.    3.    3.    1.    1.    3.    2.    2.    1.    1.    2.
1.    1.
 340.  *    2.    3.    2.    1.    1.    2.    3.    4.    3.    3.    1.    2.    3.    2.    2.    1.    2.    2.
1.    1.
 345.  *    3.    3.    2.    1.    0.    2.    3.    4.    4.    3.    1.    2.    3.    2.    2.    1.    2.    2.
1.    1.
 350.  *    2.    2.    2.    1.    0.    2.    3.    4.    3.    3.    2.    2.    3.    2.    2.    1.    2.    2.
1.    1.
 355.  *    2.    2.    2.    1.    0.    2.    2.    4.    3.    3.    2.    2.    4.    2.    2.    1.    2.    2.
1.    1.
 360.  *    1.    2.    2.    0.    0.    2.    2.    4.    3.    2.    2.    3.    4.    2.    2.    1.    1.    1.
1.    0.
------*-------------------------------------------------------------------------------------------------------------------
-------
 MAX   *    3.    3.    4.    3.    3.    3.    4.    4.    4.    3.    3.    4.    4.    4.    4.    2.    2.    2.
2.    1.
 DEGR. *  200   210   215   230   230   260   265   350   345   345    10     5    10    25    45   195   205   200
225   240
```


JOB: Ronkonkama RUN: BUILD

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 * (ug/m**3)
(DEGR)* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

```
------*-------------------------------------------------------------------------------------------------------------------
  0.  *    1.    1.    2.    2.    2.    3.    3.    3.    2.    2.    0.    0.    2.    2.    2.
```

5.	*	1.	1.	2.	1.	1.	3.	3.	3.	2.	2.	0.	1.	2.	2.	2.
10.	*	1.	1.	1.	1.	0.	2.	3.	3.	2.	2.	0.	1.	2.	2.	2.
15.	*	1.	1.	1.	1.	0.	2.	2.	3.	2.	2.	1.	1.	2.	2.	2.
20.	*	1.	1.	1.	0.	0.	2.	2.	2.	2.	2.	1.	1.	2.	2.	3.
25.	*	1.	1.	1.	0.	0.	2.	2.	2.	2.	1.	1.	1.	2.	3.	3.
30.	*	1.	1.	1.	0.	0.	1.	2.	2.	2.	2.	1.	1.	2.	2.	3.
35.	*	1.	1.	1.	0.	0.	1.	2.	2.	2.	2.	1.	1.	2.	2.	2.
40.	*	0.	1.	1.	0.	0.	1.	2.	2.	2.	2.	1.	1.	2.	2.	2.
45.	*	0.	1.	1.	0.	0.	1.	2.	2.	2.	2.	1.	1.	2.	2.	2.
50.	*	0.	1.	1.	0.	0.	1.	2.	2.	2.	2.	1.	1.	2.	2.	2.
55.	*	0.	1.	1.	0.	0.	1.	2.	2.	2.	1.	1.	1.	2.	2.	2.
60.	*	0.	1.	1.	0.	0.	1.	1.	2.	2.	1.	1.	2.	2.	2.	2.
65.	*	0.	1.	1.	0.	0.	1.	1.	2.	2.	1.	2.	2.	2.	2.	2.
70.	*	0.	1.	1.	0.	0.	1.	1.	2.	2.	1.	2.	3.	3.	2.	2.
75.	*	0.	0.	1.	0.	0.	1.	1.	2.	2.	1.	3.	3.	3.	2.	2.
80.	*	0.	0.	0.	0.	0.	1.	1.	2.	2.	1.	3.	3.	3.	2.	2.
85.	*	0.	0.	0.	0.	0.	0.	1.	2.	2.	1.	3.	3.	4.	2.	2.
90.	*	0.	0.	0.	0.	0.	0.	1.	2.	2.	1.	3.	4.	4.	2.	2.
95.	*	0.	0.	0.	0.	0.	0.	1.	2.	2.	1.	3.	3.	4.	2.	2.
100.	*	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	3.	3.	3.	2.	2.
105.	*	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	3.	3.	3.	3.	2.
110.	*	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	3.	3.	3.	2.	2.
115.	*	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	3.	3.	3.	2.	2.
120.	*	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	3.	3.	3.	2.	2.
125.	*	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	3.	3.	3.	2.	2.
130.	*	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	2.	3.	3.	2.	2.
135.	*	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	2.	3.	3.	2.	2.
140.	*	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	2.	3.	3.	3.	2.
145.	*	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	2.	3.	3.	3.	2.
150.	*	0.	0.	0.	0.	0.	0.	1.	2.	2.	2.	2.	3.	3.	3.	3.
155.	*	0.	0.	0.	0.	0.	0.	1.	2.	2.	2.	3.	3.	3.	3.	3.
160.	*	0.	0.	0.	0.	0.	0.	1.	2.	2.	2.	2.	3.	3.	3.	3.
165.	*	0.	0.	0.	0.	0.	1.	1.	2.	2.	2.	2.	3.	4.	3.	3.
170.	*	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.	2.	2.	4.	3.	3.
175.	*	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.	2.	2.	3.	3.	2.
180.	*	0.	0.	1.	0.	0.	1.	1.	1.	1.	1.	2.	2.	3.	2.	2.
185.	*	0.	0.	1.	0.	0.	1.	1.	1.	1.	0.	2.	2.	3.	2.	2.
190.	*	0.	0.	1.	1.	0.	1.	1.	1.	0.	0.	2.	2.	3.	2.	2.
195.	*	0.	0.	1.	1.	0.	1.	1.	1.	0.	0.	2.	2.	3.	2.	1.
200.	*	0.	0.	1.	1.	0.	1.	1.	1.	0.	0.	2.	2.	3.	1.	1.
205.	*	0.	0.	1.	1.	0.	1.	1.	0.	0.	0.	2.	2.	3.	1.	1.

JOB: Ronkonkama RUN: BUILD

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (ug/m**3) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
210.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	2.	2.	3.	1.	1.
215.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	2.	2.	3.	1.	1.
220.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	2.	2.	3.	1.	1.
225.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	2.	3.	3.	1.	0.
230.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	2.	3.	3.	1.	0.
235.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	2.	2.	3.	1.	0.
240.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	2.	2.	3.	1.	0.
245.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	1.	2.	2.	0.	0.
250.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	1.	1.	2.	0.	0.
255.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	1.	1.	1.	0.	0.
260.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
265.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
270.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
275.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
280.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
285.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
290.	*	1.	1.	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
295.	*	1.	2.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
300.	*	1.	2.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
305.	*	1.	2.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
310.	*	1.	2.	2.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
315.	*	1.	2.	2.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
320.	*	1.	2.	2.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
325.	*	1.	2.	2.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
330.	*	1.	1.	2.	1.	1.	1.	0.	1.	0.	0.	0.	1.	0.	0.	0.
335.	*	1.	1.	2.	2.	1.	1.	1.	1.	0.	0.	0.	0.	1.	0.	0.
340.	*	1.	1.	2.	2.	2.	1.	1.	1.	0.	0.	0.	0.	1.	1.	0.
345.	*	1.	2.	3.	2.	2.	2.	2.	2.	1.	0.	0.	0.	1.	1.	1.
350.	*	1.	2.	3.	2.	2.	2.	2.	2.	1.	1.	0.	0.	1.	1.	1.
355.	*	1.	2.	2.	2.	2.	2.	3.	3.	2.	1.	0.	0.	2.	1.	1.
360.	*	1.	1.	2.	2.	2.	3.	3.	3.	2.	2.	0.	0.	2.	2.	2.
MAX	*	1.	2.	3.	2.	2.	3.	3.	3.	2.	2.	3.	4.	4.	3.	3.
DEGR.	*	345	350	350	355	355	0	5	5	10	145	95	90	165	145	170

THE HIGHEST CONCENTRATION OF 4. ug/m**3 OCCURRED AT RECEPTOR REC33.

3.c CAL3QHC Output Files Particulate Matter 2.5 ($PM_{2.5}$)

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

JOB: Ronkonkama RUN: EXISTING

DATE : 6/ 5/13
TIME : 9:17:37

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

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.	LIE N/Hawkins SB TTR	3375.1	5903.8	3376.4	6000.5	97.	1.	AG	0.	100.0	1.0	20.0	0.54	4.9
2.	LIE N/Hawk WB LTTR	3446.1	5872.5	3506.9	5883.0	62.	80.	AG	0.	100.0	1.0	30.0	0.31	3.1
3.	LIE N/Hawkins NB L	3393.3	5814.6	3374.7	4867.9	947.	181.	AG	0.	100.0	1.0	10.0	1.70	48.1
4.	LIE N/Hawkins NB TT	3416.2	5814.3	3415.9	5708.2	106.	180.	AG	0.	100.0	1.0	20.0	0.59	5.4
5.	LIE S/Hawkins SB L	3391.1	5495.9	3403.3	6357.9	862.	1.	AG	0.	100.0	1.0	10.0	1.23	43.8
6.	LIE S/Hawkins SB TT	3370.8	5481.6	3371.9	5544.8	63.	1.	AG	0.	100.0	1.0	20.0	0.48	3.2
7.	LIE S/Hawkins NB TTR	3405.1	5396.8	3397.6	5062.7	334.	181.	AG	0.	100.0	1.0	20.0	1.03	17.0
8.	LIE S/Hawk EB LTTR	3339.3	5401.9	2964.8	5262.1	400.	250.	AG	0.	100.0	1.0	30.0	1.01	20.3
9.	Hawk/Union SB L	3390.6	4708.0	3306.4	5790.8	1086.	356.	AG	0.	100.0	1.0	10.0	1.32	55.2
10.	Hawk/Union SB T	3377.8	4706.1	3376.0	4723.8	18.	354.	AG	0.	100.0	1.0	10.0	0.14	0.9
11.	Hawk/Union WB L	3438.0	4679.8	3461.8	4682.2	24.	84.	AG	0.	100.0	1.0	10.0	0.22	1.2
12.	Hawk/Union WB R	3437.3	4691.3	3527.6	4704.1	91.	82.	AG	0.	100.0	1.0	10.0	0.59	4.6
13.	Hawk/Union NB TR	3412.5	4623.3	3418.2	4573.4	50.	173.	AG	0.	100.0	1.0	10.0	0.32	2.6
14.	LIE N/Hawkins N	3393.0	5863.0	3401.9	6218.8	356.	1.	AG	1450.	0.0	1.0	72.0		
15.	LIE N/Hawkins E	3393.0	5863.0	3735.4	5914.4	346.	81.	AG	931.	0.0	1.0	54.0		
16.	LIE N/Hawkins S	3393.0	5863.0	3393.0	5611.5	252.	180.	AG	1459.	0.0	1.0	78.0		
17.	LIE N/Hawkins W	3393.0	5863.0	3036.7	5815.2	359.	262.	AG	796.	0.0	1.0	54.0		
18.	LIE S/Hawkins N	3387.1	5425.3	3394.1	5670.0	245.	2.	AG	1458.	0.0	1.0	78.0		
19.	LIE S/Hawkins E	3387.1	5425.3	3651.9	5538.9	288.	67.	AG	2191.	0.0	1.0	54.0		
20.	LIE S/Hawkins S	3387.1	5425.3	3381.2	5147.1	278.	181.	AG	1146.	0.0	1.0	66.0		
21.	LIE S/Hawkins W	3387.1	5425.3	3108.2	5320.4	298.	249.	AG	2183.	0.0	1.0	54.0		
22.	Union/Hawkins N	3401.1	4668.8	3378.9	4869.0	201.	354.	AG	641.	0.0	1.0	54.0		
23.	Union/Hawkins E	3401.1	4668.8	3620.2	4699.3	221.	82.	AG	941.	0.0	1.0	54.0		
24.	Union/Hawkins S	3401.1	4668.8	3421.1	4497.9	172.	173.	AG	533.	0.0	1.0	42.0		

JOB: Ronkonkama RUN: EXISTING

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1.	LIE N/Hawkins SB TTR	100	62	3.0	571	1600	0.03	1	3
2.	LIE N/Hawk WB LTTR	100	50	3.0	678	1600	0.03	1	3
3.	LIE N/Hawkins NB L	100	88	3.0	190	1600	0.03	1	3
4.	LIE N/Hawkins NB TT	100	62	3.0	626	1600	0.03	1	3
5.	LIE S/Hawkins SB L	100	78	3.0	335	1600	0.03	1	3
6.	LIE S/Hawkins SB TT	100	75	3.0	308	1600	0.03	1	3
7.	LIE S/Hawkins NB TTR	100	75	3.0	663	1600	0.03	1	3
8.	LIE S/Hawk EB LTTR	100	50	3.0	2183	1600	0.03	1	3
9.	Hawk/Union SB L	81	62	3.0	363	1600	0.03	1	3
10.	Hawk/Union SB T	81	22	3.0	148	1600	0.03	1	3
11.	Hawk/Union WB L	81	59	3.0	74	1600	0.03	1	3
12.	Hawk/Union WB R	81	40	3.0	417	1600	0.03	1	3
13.	Hawk/Union NB TR	81	41	3.0	224	1600	0.03	1	3

RECEPTOR LOCATIONS

	RECEPTOR	COORDINATES (FT) X	Y	Z
1.	LIE N/Hawk NE1	3443.9	6057.5	6.0
2.	LIE N/Hawk NE2	3442.0	5982.5	6.0
3.	LIE N/Hawk NE3	3440.1	5907.5	6.0
4.	LIE N/Hawk NE4	3514.3	5918.6	6.0
5.	LIE N/Hawk NE5	3588.4	5929.8	6.0
6.	LIE N/Hawk SE1	3590.3	5855.2	6.0

7.	LIE N/Hawk SE2	3516.2	5844.1	6.0
8.	LIE N/Hawk SE3	3442.0	5833.0	6.0
9.	LIE N/Hawk SE4	3442.0	5758.0	6.0
10.	LIE N/Hawk SE5	3442.0	5683.0	6.0
11.	LIE N/Hawk SW1	3344.0	5660.1	6.0
12.	LIE N/Hawk SW2	3344.0	5744.4	6.0
13.	LIE N/Hawk SW3	3344.0	5819.1	6.0
14.	LIE N/Hawk SW4	3269.6	5809.1	6.0
15.	LIE N/Hawk SW5	3195.3	5799.2	6.0
16.	LIE N/Hawk NW1	3199.1	5874.3	6.0
17.	LIE N/Hawk NW2	3273.4	5884.3	6.0
18.	LIE N/Hawk NW3	3347.8	5894.3	6.0
19.	LIE N/Hawk NW4	3349.6	5969.3	6.0
20.	LIE N/Hawk NW5	3351.5	6044.3	6.0
21.	LIE S/Hawk NE1	3442.2	5637.3	6.0
22.	LIE S/Hawk NE2	3440.0	5562.3	6.0
23.	LIE S/Hawk NE3	3437.9	5487.3	6.0
24.	LIE S/Hawk NE4	3506.8	5516.9	6.0
25.	LIE S/Hawk NE5	3575.7	5546.5	6.0
26.	LIE S/Hawk SE1	3567.5	5462.4	6.0
27.	LIE S/Hawk SE2	3498.5	5432.8	6.0
28.	LIE S/Hawk SE3	3429.6	5403.3	6.0
29.	LIE S/Hawk SE4	3428.0	5328.3	6.0
30.	LIE S/Hawk SE5	3426.4	5253.3	6.0
31.	LIE S/Hawk SW1	3339.7	5219.1	6.0
32.	LIE S/Hawk SW2	3341.3	5294.1	6.0
33.	LIE S/Hawk SW3	3342.9	5369.1	6.0
34.	LIE S/Hawk SW4	3272.7	5342.7	6.0
35.	LIE S/Hawk SW5	3202.5	5316.3	6.0
36.	Hawk/Union NE1	3417.1	4859.8	6.0
37.	Hawk/Union NE2	3425.4	4785.3	6.0
38.	Hawk/Union NE3	3433.7	4710.7	6.0

JOB: Ronkonkama RUN: EXISTING

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RECEPTOR LOCATIONS

	RECEPTOR	COORDINATES (FT) X	Y	Z
39.	Hawk/Union NE4	3509.1	4721.2	6.0
40.	Hawk/Union NE5	3582.3	4731.3	6.0
41.	Hawk/Union SE1	3584.7	4657.0	6.0
42.	Hawk/Union SE2	3510.4	4646.6	6.0
43.	Hawk/Union SE3	3436.1	4636.3	6.0
44.	Hawk/Union SE4	3444.8	4561.8	6.0
45.	Hawk/Union SE5	3453.0	4487.3	6.0
46.	Hawk/Union W1	3388.8	4506.5	6.0
47.	Hawk/Union W2	3380.2	4581.0	6.0
48.	Hawk/Union W3	3371.5	4655.5	6.0
49.	Hawk/Union W4	3357.2	4729.1	6.0
50.	Hawk/Union W5	3348.9	4803.7	6.0
51.	LIE S/Hawk NW1	3198.3	5393.8	6.0
52.	LIE S/Hawk NW2	3268.5	5420.2	6.0
53.	LIE S/Hawk NW3	3338.7	5446.6	6.0
54.	LIE S/Hawk NW4	3340.8	5521.6	6.0
55.	LIE S/Hawk NW5	3343.0	5596.5	6.0

JOB: Ronkonkama RUN: EXISTING

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 (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.
5.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	1.	0.	0.
10.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	1.	0.	0.	0.	0.	1.	1.	0.
15.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	1.	0.	0.	0.	0.	1.	1.	1.
20.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	1.	0.	0.	0.	0.	1.	1.	1.

```
  25.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  30.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  35.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  40.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    1.
  45.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    1.
  50.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    1.
  55.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    1.
  60.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    1.
  65.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    1.
  70.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    1.
  75.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.
1.    1.
  80.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    1.    1.
1.    1.
  85.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    1.
1.    1.
  90.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
  95.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 100.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 105.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 110.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 115.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 120.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 125.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 130.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 135.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 140.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 145.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 150.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 155.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 160.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    2.
2.    1.
 165.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    2.    1.    1.    1.    0.    1.    1.    2.
2.    1.
 170.  *    0.    1.    1.    0.    0.    0.    0.    0.    0.    0.    1.    2.    1.    0.    0.    0.    1.    2.
1.    2.
 175.  *    1.    1.    1.    0.    0.    0.    0.    1.    1.    1.    1.    1.    1.    0.    0.    0.    1.    2.
2.    1.
 180.  *    1.    1.    1.    0.    0.    0.    0.    1.    1.    1.    1.    1.    1.    0.    0.    0.    1.    1.
1.    1.
 185.  *    1.    1.    2.    1.    0.    0.    0.    1.    1.    1.    1.    1.    1.    0.    0.    0.    0.    1.
1.    1.
 190.  *    1.    1.    2.    1.    0.    0.    0.    2.    2.    1.    1.    1.    0.    0.    0.    0.    0.    1.
1.    0.
 195.  *    1.    1.    2.    1.    1.    0.    1.    2.    2.    2.    1.    0.    0.    0.    0.    0.    0.    1.
0.    0.
 200.  *    1.    1.    2.    1.    1.    0.    1.    1.    2.    2.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 205.  *    1.    1.    2.    1.    1.    0.    1.    2.    2.    2.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
```


JOB: Ronkonkama RUN: EXISTING

```
 WIND  * CONCENTRATION
 ANGLE *      (ug/m**3)
 (DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18
REC19 REC20
 REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
 REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

------*-------------------------------------------------------------------------------------------------------------------
-------

------*-------------------------------------------------------------------------------------------------------------------
-------
------*-------------------------------------------------------------------------------
 210.  *    1.    1.    1.    1.    1.    0.    1.    1.    2.    2.    0.    0.    0.    0.    0.    0.    0.    0.
```



```
0.    0.
 215.  *    1.    1.    1.    1.    1.    0.    1.    1.    2.    2.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 220.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    2.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 225.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 230.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 235.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 240.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 245.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 250.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 255.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 260.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 265.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 270.  *    1.    1.    1.    1.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 275.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 280.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 285.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 290.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 295.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 300.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 305.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 310.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 315.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 320.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 325.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 330.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 335.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 340.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 345.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 350.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 355.  *    0.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 360.  *    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.

------*-------------------------------------------------------------------------------------------------------------------
-------
 MAX   *    1.    1.    2.    1.    1.    1.    1.    2.    2.    2.    2.    2.    1.    1.    1.    1.    1.    2.
2.    2.
 DEGR. *  195   190   190   210   205   275   315   195   210   200   165   170   170   135    60   155   165   170
160   170
```


JOB: Ronkonkama RUN: EXISTING

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 *      (ug/m**3)
 (DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38
REC39 REC40

------*-------------------------------------------------------------------------------------------------------------------
-------
  0.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    2.    2.    2.    1.    1.    1.    1.    1.
0.    0.
```

```
   5.  *    0.    1.    1.    0.    0.    1.    1.    2.    1.    1.    2.    2.    2.    2.    1.    0.    0.    0.
0.    0.
  10.  *    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    2.    2.    2.    2.    1.    0.    0.    0.
0.    0.
  15.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    2.    2.    2.    2.    1.    0.    0.    0.
0.    0.
  20.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    2.    0.    0.    0.
0.    0.
  25.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    2.    0.    0.    0.
0.    0.
  30.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    2.    0.    0.    0.
0.    0.
  35.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    2.    0.    0.    0.
0.    0.
  40.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    2.    0.    0.    0.
0.    0.
  45.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    2.    0.    0.    0.
0.    0.
  50.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  55.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  60.  *    0.    0.    0.    0.    0.    0.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  65.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    2.    1.    0.    0.    0.
0.    0.
  70.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
  75.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
  80.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
  85.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.
0.    0.
  90.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
  95.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 100.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 105.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 110.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 115.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 120.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 125.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 130.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 135.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    1.
0.    0.
 140.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    1.
0.    0.
 145.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    1.
0.    0.
 150.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 155.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 160.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 165.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 170.  *    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    1.
0.    0.
 175.  *    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 180.  *    1.    1.    1.    1.    1.    0.    0.    1.    0.    0.    0.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 185.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    1.    0.    0.    1.    0.    1.
0.    0.
 190.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    1.    0.    0.    0.    0.    1.
0.    0.
 195.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    1.    0.    0.    0.    0.    1.
0.    0.
 200.  *    2.    2.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    1.
1.    0.
 205.  *    2.    2.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    1.
1.    0.
```


JOB: Ronkonkama RUN: EXISTING

WIND ANGLE RANGE: 0.-360.

```
WIND  * CONCENTRATION
ANGLE *     (ug/m**3)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38
REC39 REC40
```



```
------*-------------------------------------------------------------------------------------------------------------
-------
 210.  *    2.    1.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
1.    0.
 215.  *    2.    2.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
1.    0.
 220.  *    1.    2.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
1.    0.
 225.  *    1.    2.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
1.    0.
 230.  *    1.    1.    2.    2.    2.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
1.    0.
 235.  *    1.    1.    2.    2.    2.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
1.    0.
 240.  *    1.    1.    2.    2.    1.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
1.    0.
 245.  *    1.    1.    2.    1.    1.    1.    1.    2.    1.    1.    0.    0.    1.    0.    0.    0.    0.    0.
0.    0.
 250.  *    1.    1.    1.    1.    1.    1.    1.    2.    1.    1.    0.    0.    1.    1.    0.    0.    0.    0.
0.    0.
 255.  *    1.    1.    1.    1.    1.    1.    2.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 260.  *    1.    1.    1.    1.    0.    2.    2.    2.    1.    1.    0.    0.    2.    1.    1.    0.    0.    0.
0.    0.
 265.  *    1.    1.    1.    1.    0.    2.    2.    2.    1.    1.    0.    0.    2.    1.    1.    0.    0.    0.
0.    0.
 270.  *    1.    1.    1.    0.    0.    1.    2.    2.    1.    1.    0.    0.    2.    1.    1.    0.    0.    0.
0.    0.
 275.  *    1.    1.    1.    0.    0.    1.    2.    2.    2.    1.    0.    0.    2.    1.    1.    0.    0.    0.
0.    0.
 280.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    0.    2.    1.    1.    0.    0.    0.
0.    0.
 285.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    1.    2.    1.    1.    0.    0.    0.
0.    0.
 290.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    1.    2.    1.    1.    0.    0.    0.
0.    0.
 295.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 300.  *    1.    1.    1.    1.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 305.  *    1.    1.    1.    1.    0.    1.    1.    2.    1.    1.    0.    1.    2.    1.    1.    0.    0.    0.
0.    0.
 310.  *    1.    1.    1.    1.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 315.  *    1.    1.    1.    1.    0.    1.    1.    2.    2.    1.    0.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 320.  *    1.    1.    1.    1.    0.    1.    1.    2.    2.    2.    0.    1.    1.    1.    1.    0.    0.    0.
0.    0.
 325.  *    1.    1.    1.    1.    0.    1.    2.    2.    1.    2.    0.    1.    2.    1.    1.    0.    0.    0.
0.    0.
 330.  *    1.    1.    1.    1.    0.    1.    2.    2.    2.    2.    0.    1.    2.    1.    1.    0.    0.    0.
0.    0.
 335.  *    1.    1.    1.    1.    0.    1.    1.    2.    2.    2.    0.    1.    2.    1.    1.    0.    0.    0.
0.    0.
 340.  *    1.    1.    1.    0.    0.    1.    2.    2.    2.    2.    0.    1.    2.    1.    1.    0.    0.    0.
0.    0.
 345.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    1.    2.    1.    1.    0.    1.    1.
0.    0.
 350.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    1.    1.    2.    1.    1.    0.    1.    1.
0.    0.
 355.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    1.    1.    2.    1.    1.    1.    1.    1.
0.    0.
 360.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    2.    2.    2.    1.    1.    1.    1.    1.
0.    0.
------*-------------------------------------------------------------------------------------------------------------
-------
 MAX   *    2.    2.    2.    2.    2.    2.    2.    2.    2.    2.    2.    2.    2.    2.    2.    2.    1.    1.    1.
1.    0.
 DEGR. *  205   215   220   220   230   265   270   335   350   350    10    15     5    35    55     0   355   350
200   225
```


JOB: Ronkonkama RUN: EXISTING

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 *     (ug/m**3)
(DEGR)* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55
------*-------------------------------------------------------------------------------------------
  0.  *    0.    0.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    1.    1.    1.
```

5.	*	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	0.	0.	1.	1.	1.
10.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	0.	1.	1.	1.
15.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	1.	1.	1.	1.
20.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	2.	1.	1.
25.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.
30.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.
35.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.
40.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.
45.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.
50.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.
55.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	1.	1.	1.	1.
60.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	1.	1.	1.
65.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	1.	1.	1.
70.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	1.	1.	1.
75.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	2.	1.	1.
80.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	2.	2.	1.	1.
85.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	2.	2.	2.	1.	1.
90.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	2.	2.	2.	1.	1.
95.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	2.	1.	1.
100.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	2.	1.	1.
105.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	2.	2.	1.
110.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	2.	2.	2.	2.	1.
115.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	2.	2.	2.	1.	1.
120.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	2.	1.	1.
125.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	2.	1.	1.
130.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	1.	1.
135.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	1.	1.	1.
140.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	1.	1.
145.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	1.	1.
150.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	2.	1.
155.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	1.	1.
160.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	2.	1.
165.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	2.	1.	1.
170.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	1.
175.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
180.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
185.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
190.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
195.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
200.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
205.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.

JOB: Ronkonkama RUN: EXISTING

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (ug/m**3) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
210.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
215.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	0.
220.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	0.
225.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	0.
230.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	0.
235.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	0.	0.
240.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	0.	0.
245.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	0.	0.
250.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
255.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
260.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
265.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
270.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
275.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
280.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
285.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
290.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
295.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
300.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
305.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
310.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
315.	*	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
320.	*	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
325.	*	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
330.	*	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
335.	*	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
340.	*	0.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
345.	*	0.	1.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
350.	*	0.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.
355.	*	0.	0.	1.	1.	1.	0.	0.	0.	1.	0.	0.	0.	1.	1.	1.
360.	*	0.	0.	1.	0.	0.	0.	1.	1.	1.	1.	0.	0.	1.	1.	1.
MAX	*	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.	2.	1.
DEGR.	*	0	345	350	355	345	5	0	5	5	5	85	95	165	160	15

THE HIGHEST CONCENTRATION OF 2. ug/m**3 OCCURRED AT RECEPTOR REC33.

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

JOB: Ronkonkama RUN: NOBUILD

DATE : 6/ 5/13
TIME : 9:17:47

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

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.	LIE N/Hawkins SB TTR	*	3375.1	5903.8	3376.4	6005.2	*	101.	1.	AG	0.	100.0	1.0	20.0	0.57	5.1
2.	LIE N/Hawk WB LTTR	*	3446.1	5872.5	3509.6	5883.5	*	65.	80.	AG	0.	100.0	1.0	30.0	0.33	3.3
3.	LIE N/Hawkins NB L	*	3393.3	5814.6	3372.8	4770.8	*	1044.	181.	AG	0.	100.0	1.0	10.0	1.78	53.0
4.	LIE N/Hawkins NB TT	*	3416.2	5814.3	3415.9	5703.4	*	111.	180.	AG	0.	100.0	1.0	20.0	0.62	5.6
5.	LIE S/Hawkins SB L	*	3391.1	5495.9	3405.6	6526.9	*	1031.	1.	AG	0.	100.0	1.0	10.0	1.29	52.4
6.	LIE S/Hawkins SB TT	*	3370.8	5481.6	3372.0	5547.6	*	66.	1.	AG	0.	100.0	1.0	20.0	0.50	3.4
7.	LIE S/Hawkins NB TTR	*	3405.1	5396.8	3393.8	4894.3	*	503.	181.	AG	0.	100.0	1.0	20.0	1.08	25.5
8.	LIE S/Hawk EB LTTR	*	3339.3	5401.9	2636.8	5139.6	*	750.	250.	AG	0.	100.0	1.0	30.0	1.06	38.1
9.	Hawk/Union SB L	*	3390.6	4708.0	3292.6	5968.4	*	1264.	356.	AG	0.	100.0	1.0	10.0	1.38	64.2
10.	Hawk/Union SB T	*	3377.8	4706.1	3375.9	4724.6	*	19.	354.	AG	0.	100.0	1.0	10.0	0.15	0.9
11.	Hawk/Union WB L	*	3438.0	4679.8	3463.1	4682.3	*	25.	84.	AG	0.	100.0	1.0	10.0	0.23	1.3
12.	Hawk/Union WB R	*	3437.3	4691.3	3531.7	4704.7	*	95.	82.	AG	0.	100.0	1.0	10.0	0.61	4.8
13.	Hawk/Union NB TR	*	3412.5	4623.3	3420.9	4550.7	*	73.	173.	AG	0.	100.0	1.0	10.0	0.47	3.7
14.	LIE N/Hawkins N	*	3393.0	5863.0	3401.9	6218.8	*	356.	1.	AG	1516.	0.0	1.0	72.0		
15.	LIE N/Hawkins E	*	3393.0	5863.0	3735.4	5914.4	*	346.	81.	AG	975.	0.0	1.0	54.0		
16.	LIE N/Hawkins S	*	3393.0	5863.0	3393.0	5611.5	*	252.	180.	AG	1527.	0.0	1.0	78.0		
17.	LIE N/Hawkins W	*	3393.0	5863.0	3036.7	5815.2	*	359.	262.	AG	834.	0.0	1.0	54.0		
18.	LIE S/Hawkins N	*	3387.1	5425.3	3394.1	5670.0	*	245.	2.	AG	1527.	0.0	1.0	78.0		
19.	LIE S/Hawkins E	*	3387.1	5425.3	3651.9	5538.9	*	288.	67.	AG	2293.	0.0	1.0	54.0		
20.	LIE S/Hawkins S	*	3387.1	5425.3	3381.2	5147.1	*	278.	181.	AG	1200.	0.0	1.0	66.0		
21.	LIE S/Hawkins W	*	3387.1	5425.3	3108.2	5320.4	*	298.	249.	AG	2284.	0.0	1.0	54.0		
22.	Union/Hawkins N	*	3401.1	4668.8	3378.9	4869.0	*	201.	354.	AG	1206.	0.0	1.0	54.0		
23.	Union/Hawkins E	*	3401.1	4668.8	3620.2	4699.3	*	221.	82.	AG	985.	0.0	1.0	54.0		
24.	Union/Hawkins S	*	3401.1	4668.8	3421.1	4497.9	*	172.	173.	AG	559.	0.0	1.0	42.0		

JOB: Ronkonkama RUN: NOBUILD

DATE : 6/ 5/13
TIME : 9:17:47

1.	LIE N/Hawkins SB TTR	*	100	62	3.0	598	1600	0.03	1	3
2.	LIE N/Hawk WB LTTR	*	100	50	3.0	710	1600	0.03	1	3
3.	LIE N/Hawkins NB L	*	100	88	3.0	199	1600	0.03	1	3
4.	LIE N/Hawkins NB TT	*	100	62	3.0	655	1600	0.03	1	3
5.	LIE S/Hawkins SB L	*	100	78	3.0	351	1600	0.03	1	3
6.	LIE S/Hawkins SB TT	*	100	75	3.0	323	1600	0.03	1	3
7.	LIE S/Hawkins NB TTR	*	100	75	3.0	694	1600	0.03	1	3
8.	LIE S/Hawk EB LTTR	*	100	50	3.0	2284	1600	0.03	1	3
9.	Hawk/Union SB L	*	81	62	3.0	380	1600	0.03	1	3
10.	Hawk/Union SB T	*	81	22	3.0	155	1600	0.03	1	3
11.	Hawk/Union WB L	*	81	59	3.0	78	1600	0.03	1	3
12.	Hawk/Union WB R	*	81	40	3.0	436	1600	0.03	1	3
13.	Hawk/Union NB TR	*	81	41	3.0	326	1600	0.03	1	3

RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1.	LIE N/Hawk NE1	*	3443.9	6057.5	6.0	*
2.	LIE N/Hawk NE2	*	3442.0	5982.5	6.0	*
3.	LIE N/Hawk NE3	*	3440.1	5907.5	6.0	*
4.	LIE N/Hawk NE4	*	3514.3	5918.6	6.0	*
5.	LIE N/Hawk NE5	*	3588.4	5929.8	6.0	*
6.	LIE N/Hawk SE1	*	3590.3	5855.2	6.0	*

7.	LIE N/Hawk SE2	*	3516.2	5844.1	6.0 *
8.	LIE N/Hawk SE3	*	3442.0	5833.0	6.0 *
9.	LIE N/Hawk SE4	*	3442.0	5758.0	6.0 *
10.	LIE N/Hawk SE5	*	3442.0	5683.0	6.0 *
11.	LIE N/Hawk SW1	*	3344.0	5660.1	6.0 *
12.	LIE N/Hawk SW2	*	3344.0	5744.4	6.0 *
13.	LIE N/Hawk SW3	*	3344.0	5819.1	6.0 *
14.	LIE N/Hawk SW4	*	3269.6	5809.1	6.0 *
15.	LIE N/Hawk SW5	*	3195.3	5799.2	6.0 *
16.	LIE N/Hawk NW1	*	3199.1	5874.3	6.0 *
17.	LIE N/Hawk NW2	*	3273.4	5884.3	6.0 *
18.	LIE N/Hawk NW3	*	3347.8	5894.3	6.0 *
19.	LIE N/Hawk NW4	*	3349.6	5969.3	6.0 *
20.	LIE N/Hawk NW5	*	3351.5	6044.3	6.0 *
21.	LIE S/Hawk NE1	*	3442.2	5637.3	6.0 *
22.	LIE S/Hawk NE2	*	3440.0	5562.3	6.0 *
23.	LIE S/Hawk NE3	*	3437.9	5487.3	6.0 *
24.	LIE S/Hawk NE4	*	3506.8	5516.9	6.0 *
25.	LIE S/Hawk NE5	*	3575.7	5546.5	6.0 *
26.	LIE S/Hawk SE1	*	3567.5	5462.4	6.0 *
27.	LIE S/Hawk SE2	*	3498.5	5432.8	6.0 *
28.	LIE S/Hawk SE3	*	3429.6	5403.3	6.0 *
29.	LIE S/Hawk SE4	*	3428.0	5328.3	6.0 *
30.	LIE S/Hawk SE5	*	3426.4	5253.3	6.0 *
31.	LIE S/Hawk SW1	*	3339.7	5219.1	6.0 *
32.	LIE S/Hawk SW2	*	3341.3	5294.1	6.0 *
33.	LIE S/Hawk SW3	*	3342.9	5369.1	6.0 *
34.	LIE S/Hawk SW4	*	3272.7	5342.7	6.0 *
35.	LIE S/Hawk SW5	*	3202.5	5316.3	6.0 *
36.	Hawk/Union NE1	*	3417.1	4859.8	6.0 *
37.	Hawk/Union NE2	*	3425.4	4785.3	6.0 *
38.	Hawk/Union NE3	*	3433.7	4710.7	6.0 *

JOB: Ronkonkama RUN: NOBUILD

DATE : 6/ 5/13
TIME : 9:17:47

RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
39.	Hawk/Union NE4	*	3509.1	4721.2	6.0	*
40.	Hawk/Union NE5	*	3582.3	4731.3	6.0	*
41.	Hawk/Union SE1	*	3584.7	4657.0	6.0	*
42.	Hawk/Union SE2	*	3510.4	4646.6	6.0	*
43.	Hawk/Union SE3	*	3436.1	4636.3	6.0	*
44.	Hawk/Union SE4	*	3444.8	4561.8	6.0	*
45.	Hawk/Union SE5	*	3453.0	4487.3	6.0	*
46.	Hawk/Union W1	*	3388.8	4506.5	6.0	*
47.	Hawk/Union W2	*	3380.2	4581.0	6.0	*
48.	Hawk/Union W3	*	3371.5	4655.5	6.0	*
49.	Hawk/Union W4	*	3357.2	4729.1	6.0	*
50.	Hawk/Union W5	*	3348.9	4803.7	6.0	*
51.	LIE S/Hawk NW1	*	3198.3	5393.8	6.0	*
52.	LIE S/Hawk NW2	*	3268.5	5420.2	6.0	*
53.	LIE S/Hawk NW3	*	3338.7	5446.6	6.0	*
54.	LIE S/Hawk NW4	*	3340.8	5521.6	6.0	*
55.	LIE S/Hawk NW5	*	3343.0	5596.5	6.0	*

JOB: Ronkonkama RUN: NOBUILD

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 (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0. *	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.
5. *	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	1.	1.	1.	0.	0.	0.	0.	1.	0.	0.
10. *	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	1.	0.	0.	0.	0.	1.	1.	0.
15. *	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	1.	0.	0.	0.	0.	1.	1.	0.
20. *	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	0.	0.	1.	1.	1.

```
  25.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  30.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  35.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  40.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    0.    0.    1.    1.
1.    1.
  45.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    0.    0.    1.    1.
1.    1.
  50.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  55.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  60.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  65.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    0.
  70.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    0.
  75.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    0.
  80.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    0.
  85.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    1.    1.
1.    0.
  90.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    1.    1.
1.    1.
  95.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 100.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    1.
1.    0.
 105.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    1.    1.
1.    1.
 110.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 115.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 120.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 125.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 130.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 135.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 140.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 145.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 150.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 155.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 160.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.
2.    1.
 165.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    2.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 170.  *    0.    1.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    1.    1.
1.    1.
 175.  *    0.    1.    1.    0.    0.    0.    0.    1.    1.    1.    1.    1.    1.    0.    0.    0.    1.    2.
1.    1.
 180.  *    1.    1.    1.    0.    0.    0.    0.    1.    1.    1.    1.    1.    1.    0.    0.    0.    0.    1.
1.    1.
 185.  *    1.    1.    2.    1.    0.    0.    0.    1.    1.    1.    1.    1.    1.    0.    0.    0.    0.    1.
1.    1.
 190.  *    1.    1.    2.    1.    0.    0.    0.    2.    1.    1.    1.    1.    0.    0.    0.    0.    0.    1.
1.    0.
 195.  *    1.    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    1.
0.    0.
 200.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    1.
0.    0.
 205.  *    1.    1.    2.    1.    1.    0.    0.    1.    2.    2.    0.    0.    0.    0.    0.    0.    0.    1.
0.    0.
```



```
 WIND  * CONCENTRATION
 ANGLE *      (ug/m**3)
 (DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18
REC19 REC20
 REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
 REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

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------*-------------------------------------------------------------------------------------------------------------------
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------*-------------------------------------------------------------------------------
 210.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
```



```
0.    0.
 215.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 220.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 225.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 230.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 235.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 240.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 245.  *    0.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 250.  *    0.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 255.  *    0.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 260.  *    0.    1.    1.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 265.  *    0.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 270.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 275.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 280.  *    0.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 285.  *    0.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 290.  *    0.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 295.  *    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 300.  *    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 305.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 310.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 315.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 320.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 325.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 330.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 335.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 340.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 345.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 350.  *    0.    1.    1.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 355.  *    0.    0.    1.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 360.  *    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.

------*-------------------------------------------------------------------------------------------------------------------
-------
 MAX   *    1.    1.    2.    1.    1.    1.    1.    2.    2.    2.    2.    1.    1.    1.    1.    1.    1.    2.
2.    1.
 DEGR. *  195   200   205   215   220   280   315   190   205   205   165   165   170    30    65   130   165   175
160   165
```



```
 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 *      (ug/m**3)
 (DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38
REC39 REC40

------*-------------------------------------------------------------------------------------------------------------------
-------
  0.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    1.    2.    2.    1.    1.    1.    1.    1.
0.    0.
```

```
   5.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    2.    2.    2.    1.    1.    0.    0.    0.
0.    0.
  10.  *    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    2.    2.    2.    2.    1.    0.    0.    0.
0.    0.
  15.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    1.    0.    0.    0.
0.    0.
  20.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    1.    0.    0.    0.
0.    0.
  25.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    1.    0.    0.    0.
0.    0.
  30.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    0.    0.
0.    0.
  35.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    0.    0.
0.    0.
  40.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  45.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  50.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  55.  *    0.    0.    0.    0.    0.    0.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  60.  *    0.    0.    0.    0.    0.    0.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    0.    0.
0.    0.
  65.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
  70.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
  75.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
  80.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.
0.    0.
  85.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.
0.    0.
  90.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
  95.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 100.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 105.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 110.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 115.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 120.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 125.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 130.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 135.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 140.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 145.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 150.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 155.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 160.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 165.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 170.  *    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 175.  *    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 180.  *    1.    1.    1.    1.    1.    0.    0.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 185.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    1.    1.    0.    0.    1.    0.    0.
0.    0.
 190.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    1.    0.    0.    0.    0.    1.
0.    0.
 195.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.
0.    0.
 200.  *    2.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    0.    1.
0.    0.
 205.  *    2.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    0.    0.
0.    0.
```


JOB: Ronkonkama RUN: NOBUILD

WIND ANGLE RANGE: 0.-360.

```
 WIND  * CONCENTRATION
 ANGLE *    (ug/m**3)
 (DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38
REC39 REC40
```



```
------*-------------------------------------------------------------------------------------------------------------
-------
 210.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    0.    0.
0.    0.
 215.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    0.    0.
0.    0.
 220.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    0.    1.
1.    0.
 225.  *    1.    1.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    0.    1.
1.    0.
 230.  *    1.    1.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    0.    0.
0.    0.
 235.  *    1.    1.    2.    2.    1.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    1.    0.    0.
1.    0.
 240.  *    1.    1.    2.    2.    1.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    1.    0.    0.
0.    0.
 245.  *    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    0.    0.    1.    0.    0.    1.    0.    0.
0.    0.
 250.  *    1.    1.    1.    1.    1.    1.    1.    2.    1.    1.    0.    0.    1.    1.    0.    1.    0.    0.
0.    0.
 255.  *    1.    1.    1.    1.    1.    1.    2.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.
0.    0.
 260.  *    1.    1.    1.    1.    0.    1.    2.    2.    1.    1.    0.    0.    1.    1.    1.    0.    1.    0.
0.    0.
 265.  *    1.    1.    1.    1.    0.    1.    1.    2.    1.    1.    0.    0.    2.    1.    1.    0.    1.    0.
0.    0.
 270.  *    1.    1.    1.    0.    0.    1.    2.    2.    1.    1.    0.    0.    2.    1.    1.    0.    1.    0.
0.    0.
 275.  *    1.    1.    1.    0.    0.    1.    2.    2.    1.    1.    0.    0.    2.    1.    1.    0.    1.    0.
0.    0.
 280.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    0.    2.    1.    1.    0.    1.    0.
0.    0.
 285.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    0.    0.    2.    1.    1.    0.    1.    0.
0.    0.
 290.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    0.    1.    0.
0.    0.
 295.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    0.    1.    0.
0.    0.
 300.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    0.    1.    0.
0.    0.
 305.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    1.    0.
0.    0.
 310.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    1.    0.
0.    0.
 315.  *    1.    1.    1.    1.    0.    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    0.    1.    0.
0.    0.
 320.  *    1.    1.    1.    1.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    0.    1.    1.
0.    0.
 325.  *    1.    1.    1.    1.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    0.    1.    1.
0.    0.
 330.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    1.    1.    1.    1.    0.    1.    1.
0.    0.
 335.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    1.    1.    1.
0.    0.
 340.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    1.    1.    1.    1.    1.    1.    1.
0.    0.
 345.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    1.    2.    1.    1.    1.    1.    1.
0.    0.
 350.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    1.    1.    2.    1.    1.    1.    1.    1.
0.    0.
 355.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    1.    1.    2.    1.    1.    1.    1.    1.
0.    0.
 360.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    1.    2.    2.    1.    1.    1.    1.    1.
0.    0.

------*-------------------------------------------------------------------------------------------------------------
-------
 MAX   *    2.    1.    2.    2.    1.    1.    2.    2.    2.    1.    2.    2.    2.    2.    2.    1.    1.    1.
1.    0.
 DEGR. *  200   215   230   225   230   260   275   265   345   345     5    10    10    20    40   355   345   340
220   230
```


JOB: Ronkonkama RUN: NOBUILD

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 *     (ug/m**3)
(DEGR)* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55
------*-------------------------------------------------------------------------------------------
  0.  *    0.    0.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    1.    1.    1.
```

5.	*	0.	0.	1.	0.	0.	1.	1.	1.	1.	1.	0.	0.	1.	1.	1.
10.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	0.	1.	1.	1.
15.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	0.	0.	1.	1.	1.
20.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	0.	1.	1.	1.	1.
25.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	0.	1.	1.	1.	1.
30.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	1.	1.	1.	1.
35.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	1.	1.	1.
40.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	1.	1.	1.
45.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	1.	1.	1.
50.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	1.	1.	1.
55.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	0.	1.	1.	1.	1.
60.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	0.	1.	1.	1.	1.
65.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	1.	1.	1.	1.	1.
70.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	1.	1.	1.	1.	1.
75.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	1.	1.	1.	1.	1.
80.	*	0.	0.	0.	0.	0.	0.	0.	1.	0.	1.	1.	1.	1.	1.	1.
85.	*	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	2.	1.	1.
90.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	2.	1.	1.	1.
95.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	2.	2.	1.	1.
100.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	2.	2.	1.	1.
105.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	2.	1.	1.	1.
110.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	2.	1.	1.	1.
115.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	2.	1.	1.	1.
120.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	2.	1.	1.	1.
125.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	2.	1.	1.	1.
130.	*	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.
135.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.
140.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.
145.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.
150.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	2.	1.	1.
155.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	2.	1.	1.
160.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	2.	1.	1.
165.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
170.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
175.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
180.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
185.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.
190.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.
195.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.
200.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.
205.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.

JOB: Ronkonkama RUN: NOBUILD

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (ug/m**3) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
210.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	0.
215.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	0.
220.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	0.
225.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	0.
230.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	2.	1.	0.
235.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	0.	0.
240.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	0.	0.
245.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	0.	0.
250.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	0.
255.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.
260.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
265.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
270.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
275.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
280.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
285.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
290.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
295.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
300.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
305.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
310.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
315.	*	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
320.	*	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
325.	*	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
330.	*	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
335.	*	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
340.	*	0.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
345.	*	0.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
350.	*	0.	0.	1.	1.	1.	0.	0.	1.	0.	0.	0.	0.	1.	0.	0.
355.	*	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.	0.	0.	1.	1.	0.
360.	*	0.	0.	1.	0.	0.	0.	1.	1.	1.	1.	0.	0.	1.	1.	1.
MAX	*	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.	2.	2.	2.	1.	1.
DEGR.	*	280	335	345	345	345	5	5	5	10	5	100	100	165	165	170

THE HIGHEST CONCENTRATION OF 2. ug/m**3 OCCURRED AT RECEPTOR REC33.

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

JOB: Ronkonkama RUN: BUILD

DATE : 6/ 5/13
TIME : 9:18:10

The MODE flag has been set to P for calculating PM averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 175. CM
U = 1.0 M/S CLAS = 4 (D) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

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.	LIE N/Hawkins SB TTR	*	3375.1	5903.8	3376.6	6018.4	*	115.	1.	AG	0.	100.0	1.0	20.0	0.64	5.8
2.	LIE N/Hawk WB LTTR	*	3446.1	5872.5	3544.1	5889.4	*	100.	80.	AG	0.	100.0	1.0	30.0	0.51	5.1
3.	LIE N/Hawkins NB L	*	3393.3	5814.6	3346.6	3433.7	*	2381.	181.	AG	0.	100.0	1.0	10.0	2.88	121.0
4.	LIE N/Hawkins NB TT	*	3416.2	5814.3	3415.8	5689.2	*	125.	180.	AG	0.	100.0	1.0	20.0	0.70	6.4
5.	LIE S/Hawkins SB L	*	3391.1	5495.9	3411.4	6938.9	*	1443.	1.	AG	0.	100.0	1.0	10.0	1.43	73.3
6.	LIE S/Hawkins SB TT	*	3370.8	5481.6	3372.7	5586.0	*	104.	1.	AG	0.	100.0	1.0	20.0	0.75	5.3
7.	LIE S/Hawkins NB TTR	*	3405.1	5396.8	3359.1	3358.0	*	2039.	181.	AG	0.	100.0	1.0	20.0	1.54	103.6
8.	LIE S/Hawk EB LTTR	*	3339.3	5401.9	2231.6	4988.3	*	1182.	250.	AG	0.	100.0	1.0	30.0	1.12	60.1
9.	Hawk/Union SB L	*	3390.6	4708.0	3229.3	6783.0	*	2081.	356.	AG	0.	100.0	1.0	10.0	1.66	105.7
10.	Hawk/Union SB T	*	3377.8	4706.1	3373.5	4748.0	*	42.	354.	AG	0.	100.0	1.0	10.0	0.33	2.1
11.	Hawk/Union WB L	*	3438.0	4679.8	3463.1	4682.3	*	25.	84.	AG	0.	100.0	1.0	10.0	0.23	1.3
12.	Hawk/Union WB R	*	3437.3	4691.3	3549.9	4707.3	*	114.	82.	AG	0.	100.0	1.0	10.0	0.73	5.8
13.	Hawk/Union NB TR	*	3412.5	4623.3	3426.5	4501.5	*	123.	173.	AG	0.	100.0	1.0	10.0	0.77	6.2
14.	LIE N/Hawkins N	*	3393.0	5863.0	3401.9	6218.8	*	356.	1.	AG	1516.	0.0	1.0	72.0		
15.	LIE N/Hawkins E	*	3393.0	5863.0	3735.4	5914.4	*	346.	81.	AG	975.	0.0	1.0	54.0		
16.	LIE N/Hawkins S	*	3393.0	5863.0	3393.0	5611.5	*	252.	180.	AG	1527.	0.0	1.0	78.0		
17.	LIE N/Hawkins W	*	3393.0	5863.0	3036.7	5815.2	*	359.	262.	AG	834.	0.0	1.0	54.0		
18.	LIE S/Hawkins N	*	3387.1	5425.3	3394.1	5670.0	*	245.	2.	AG	1527.	0.0	1.0	78.0		
19.	LIE S/Hawkins E	*	3387.1	5425.3	3651.9	5538.9	*	288.	67.	AG	2293.	0.0	1.0	54.0		
20.	LIE S/Hawkins S	*	3387.1	5425.3	3381.2	5147.1	*	278.	181.	AG	1200.	0.0	1.0	66.0		
21.	LIE S/Hawkins W	*	3387.1	5425.3	3108.2	5320.4	*	298.	249.	AG	2284.	0.0	1.0	54.0		
22.	Union/Hawkins N	*	3401.1	4668.8	3378.9	4869.0	*	201.	354.	AG	1206.	0.0	1.0	54.0		
23.	Union/Hawkins E	*	3401.1	4668.8	3620.2	4699.3	*	221.	82.	AG	985.	0.0	1.0	54.0		
24.	Union/Hawkins S	*	3401.1	4668.8	3421.1	4497.9	*	172.	173.	AG	559.	0.0	1.0	42.0		

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JOB: Ronkonkama RUN: BUILD

DATE : 6/ 5/13
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1.	LIE N/Hawkins SB TTR	*	100	62	3.0	676	1600	0.03	1	3
2.	LIE N/Hawk WB LTTR	*	100	50	3.0	1092	1600	0.03	1	3
3.	LIE N/Hawkins NB L	*	100	88	3.0	323	1600	0.03	1	3
4.	LIE N/Hawkins NB TT	*	100	62	3.0	739	1600	0.03	1	3
5.	LIE S/Hawkins SB L	*	100	78	3.0	390	1600	0.03	1	3
6.	LIE S/Hawkins SB TT	*	100	75	3.0	479	1600	0.03	1	3
7.	LIE S/Hawkins NB TTR	*	100	75	3.0	986	1600	0.03	1	3
8.	LIE S/Hawk EB LTTR	*	100	50	3.0	2411	1600	0.03	1	3
9.	Hawk/Union SB L	*	81	62	3.0	458	1600	0.03	1	3
10.	Hawk/Union SB T	*	81	22	3.0	350	1600	0.03	1	3
11.	Hawk/Union WB L	*	81	59	3.0	78	1600	0.03	1	3
12.	Hawk/Union WB R	*	81	40	3.0	520	1600	0.03	1	3
13.	Hawk/Union NB TR	*	81	41	3.0	534	1600	0.03	1	3

RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
1.	LIE N/Hawk NE1	*	3443.9	6057.5	6.0	*
2.	LIE N/Hawk NE2	*	3442.0	5982.5	6.0	*
3.	LIE N/Hawk NE3	*	3440.1	5907.5	6.0	*
4.	LIE N/Hawk NE4	*	3514.3	5918.6	6.0	*
5.	LIE N/Hawk NE5	*	3588.4	5929.8	6.0	*
6.	LIE N/Hawk SE1	*	3590.3	5855.2	6.0	*

7.	LIE N/Hawk SE2	*	3516.2	5844.1	6.0 *
8.	LIE N/Hawk SE3	*	3442.0	5833.0	6.0 *
9.	LIE N/Hawk SE4	*	3442.0	5758.0	6.0 *
10.	LIE N/Hawk SE5	*	3442.0	5683.0	6.0 *
11.	LIE N/Hawk SW1	*	3344.0	5660.1	6.0 *
12.	LIE N/Hawk SW2	*	3344.0	5744.4	6.0 *
13.	LIE N/Hawk SW3	*	3344.0	5819.1	6.0 *
14.	LIE N/Hawk SW4	*	3269.6	5809.1	6.0 *
15.	LIE N/Hawk SW5	*	3195.3	5799.2	6.0 *
16.	LIE N/Hawk NW1	*	3199.1	5874.3	6.0 *
17.	LIE N/Hawk NW2	*	3273.4	5884.3	6.0 *
18.	LIE N/Hawk NW3	*	3347.8	5894.3	6.0 *
19.	LIE N/Hawk NW4	*	3349.6	5969.3	6.0 *
20.	LIE N/Hawk NW5	*	3351.5	6044.3	6.0 *
21.	LIE S/Hawk NE1	*	3442.2	5637.3	6.0 *
22.	LIE S/Hawk NE2	*	3440.0	5562.3	6.0 *
23.	LIE S/Hawk NE3	*	3437.9	5487.3	6.0 *
24.	LIE S/Hawk NE4	*	3506.8	5516.9	6.0 *
25.	LIE S/Hawk NE5	*	3575.7	5546.5	6.0 *
26.	LIE S/Hawk SE1	*	3567.5	5462.4	6.0 *
27.	LIE S/Hawk SE2	*	3498.5	5432.8	6.0 *
28.	LIE S/Hawk SE3	*	3429.6	5403.3	6.0 *
29.	LIE S/Hawk SE4	*	3428.0	5328.3	6.0 *
30.	LIE S/Hawk SE5	*	3426.4	5253.3	6.0 *
31.	LIE S/Hawk SW1	*	3339.7	5219.1	6.0 *
32.	LIE S/Hawk SW2	*	3341.3	5294.1	6.0 *
33.	LIE S/Hawk SW3	*	3342.9	5369.1	6.0 *
34.	LIE S/Hawk SW4	*	3272.7	5342.7	6.0 *
35.	LIE S/Hawk SW5	*	3202.5	5316.3	6.0 *
36.	Hawk/Union NE1	*	3417.1	4859.8	6.0 *
37.	Hawk/Union NE2	*	3425.4	4785.3	6.0 *
38.	Hawk/Union NE3	*	3433.7	4710.7	6.0 *

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JOB: Ronkonkama RUN: BUILD

DATE : 6/ 5/13
TIME : 9:18:10

RECEPTOR LOCATIONS

	RECEPTOR	*	COORDINATES (FT) X	Y	Z	*
39.	Hawk/Union NE4	*	3509.1	4721.2	6.0	*
40.	Hawk/Union NE5	*	3582.3	4731.3	6.0	*
41.	Hawk/Union SE1	*	3584.7	4657.0	6.0	*
42.	Hawk/Union SE2	*	3510.4	4646.6	6.0	*
43.	Hawk/Union SE3	*	3436.1	4636.3	6.0	*
44.	Hawk/Union SE4	*	3444.8	4561.8	6.0	*
45.	Hawk/Union SE5	*	3453.0	4487.3	6.0	*
46.	Hawk/Union W1	*	3388.8	4506.5	6.0	*
47.	Hawk/Union W2	*	3380.2	4581.0	6.0	*
48.	Hawk/Union W3	*	3371.5	4655.5	6.0	*
49.	Hawk/Union W4	*	3357.2	4729.1	6.0	*
50.	Hawk/Union W5	*	3348.9	4803.7	6.0	*
51.	LIE S/Hawk NW1	*	3198.3	5393.8	6.0	*
52.	LIE S/Hawk NW2	*	3268.5	5420.2	6.0	*
53.	LIE S/Hawk NW3	*	3338.7	5446.6	6.0	*
54.	LIE S/Hawk NW4	*	3340.8	5521.6	6.0	*
55.	LIE S/Hawk NW5	*	3343.0	5596.5	6.0	*

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JOB: Ronkonkama RUN: BUILD

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 (ug/m**3) REC1	REC2	REC3	REC4	REC5	REC6	REC7	REC8	REC9	REC10	REC11	REC12	REC13	REC14	REC15	REC16	REC17	REC18	REC19	REC20
0.	* 0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.
5.	* 0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	1.	0.
10.	* 0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	1.	0.	0.	0.	0.	1.	0.
15.	* 0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	1.	1.	1.	1.	0.	0.	0.	1.	0.
20.	* 0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	0.	0.	1.	1.

```
  25.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  30.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  35.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.
1.    1.
  40.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.
1.    1.
  45.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.
1.    1.
  50.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    1.
  55.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  60.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.
1.    1.
  65.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    0.
  70.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.
1.    0.
  75.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    1.
1.    0.
  80.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    1.
1.    0.
  85.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    1.    1.
1.    0.
  90.  *    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.    1.
1.    1.
  95.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 100.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    1.    1.    1.
1.    0.
 105.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    1.    1.
1.    1.
 110.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    1.    1.    1.
1.    1.
 115.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 120.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 125.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 130.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 135.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 140.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 145.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 150.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.    1.
1.    1.
 155.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    1.    1.    1.    1.
1.    1.
 160.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    1.    1.    1.    1.
2.    1.
 165.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    0.    2.    1.    1.    1.    0.    1.    1.    1.    1.
1.    1.
 170.  *    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    1.    1.    1.    1.
1.    1.
 175.  *    1.    1.    1.    1.    0.    0.    0.    0.    1.    1.    1.    1.    1.    1.    1.    0.    0.    1.    2.
1.    1.
 180.  *    1.    1.    1.    1.    0.    0.    0.    0.    1.    1.    1.    1.    1.    1.    1.    0.    0.    1.    1.
1.    1.
 185.  *    1.    1.    2.    1.    0.    0.    0.    1.    1.    1.    1.    1.    1.    1.    0.    0.    0.    0.    1.
1.    1.
 190.  *    1.    1.    2.    1.    0.    0.    0.    2.    1.    1.    1.    1.    0.    0.    0.    0.    0.    1.
1.    0.
 195.  *    1.    1.    1.    1.    1.    0.    1.    2.    2.    2.    1.    0.    0.    0.    0.    0.    0.    1.
0.    0.
 200.  *    1.    1.    1.    1.    1.    1.    1.    1.    2.    2.    0.    0.    0.    0.    0.    0.    0.    1.
0.    0.
 205.  *    1.    1.    2.    1.    1.    0.    0.    1.    2.    2.    0.    0.    0.    0.    0.    0.    0.    1.
0.    0.
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JOB: Ronkonkama RUN: BUILD

```
 WIND  * CONCENTRATION
 ANGLE *      (ug/m**3)
 (DEGR)* REC1  REC2  REC3  REC4  REC5  REC6  REC7  REC8  REC9  REC10 REC11 REC12 REC13 REC14 REC15 REC16 REC17 REC18
REC19 REC20
  REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40
  REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

------*-------------------------------------------------------------------------------------------------------------------
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------*-------------------------------------------------------------------------------------------------------------------
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------*-------------------------------------------------------------------------------
 210.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    2.    0.    0.    0.    0.    0.    0.    0.    0.
```



```
0.    0.
 215.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    2.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 220.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    2.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 225.  *    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 230.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 235.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 240.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 245.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 250.  *    0.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 255.  *    0.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 260.  *    0.    1.    1.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 265.  *    0.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 270.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 275.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 280.  *    0.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 285.  *    0.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 290.  *    0.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 295.  *    0.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 300.  *    0.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 305.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 310.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 315.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 320.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 325.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 330.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 335.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 340.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 345.  *    1.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 350.  *    0.    1.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    0.    0.    0.
0.    0.
 355.  *    0.    0.    1.    0.    0.    0.    1.    1.    1.    1.    0.    0.    1.    0.    0.    0.    0.    0.
0.    0.
 360.  *    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.

------*-------------------------------------------------------------------------------------------------------------------
-------
 MAX   *    1.    1.    2.    1.    1.    1.    1.    2.    2.    2.    2.    1.    1.    1.    1.    1.    1.    2.
2.    1.
 DEGR. *  195   190   185   210   220   280   315   190   205   200   165   165   170   160   155   160   140   175
160   165
```


JOB: Ronkonkama RUN: BUILD

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 *      (ug/m**3)
 (DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38
REC39 REC40

------*-------------------------------------------------------------------------------------------------------------------
-------
  0.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    1.    2.    2.    1.    1.    1.    1.    1.
0.    0.
```

```
   5.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    2.    2.    2.    1.    1.    0.    0.    0.
0.    0.
  10.  *    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    2.    2.    2.    2.    1.    0.    0.    0.
0.    0.
  15.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    1.    0.    0.    0.
0.    0.
  20.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    2.    0.    0.    0.
0.    0.
  25.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    2.    2.    2.    1.    0.    0.    0.
0.    0.
  30.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  35.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    0.    0.
0.    0.
  40.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  45.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  50.  *    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  55.  *    0.    0.    0.    0.    0.    0.    1.    1.    0.    0.    1.    1.    2.    2.    2.    0.    0.    0.
0.    0.
  60.  *    0.    0.    0.    0.    0.    0.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    0.    0.
0.    0.
  65.  *    0.    0.    0.    0.    0.    0.    0.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
  70.  *    0.    0.    1.    0.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
  75.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    1.    0.    0.    0.
0.    0.
  80.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.
0.    0.
  85.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    1.    1.    0.    0.    0.    0.
0.    0.
  90.  *    0.    0.    1.    1.    0.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
  95.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 100.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 105.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 110.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 115.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 120.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 125.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 130.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 135.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 140.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 145.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 150.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 155.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 160.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 165.  *    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.
0.    0.
 170.  *    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    0.    0.    1.
0.    0.
 175.  *    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.    0.    0.    1.    1.    0.
0.    0.
 180.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.
0.    0.
 185.  *    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    0.    1.    1.    0.    0.    1.    1.    1.
0.    0.
 190.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    1.    1.    0.    0.    1.    1.    1.
1.    0.
 195.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.
1.    0.
 200.  *    2.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.
1.    0.
 205.  *    2.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.
1.    0.
```


JOB: Ronkonkama RUN: BUILD

WIND ANGLE RANGE: 0.-360.

WIND * CONCENTRATION
ANGLE * (ug/m**3)
(DEGR)* REC21 REC22 REC23 REC24 REC25 REC26 REC27 REC28 REC29 REC30 REC31 REC32 REC33 REC34 REC35 REC36 REC37 REC38 REC39 REC40


```
------*-------------------------------------------------------------------------------------------------------------------
-------
 210.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.
1.    0.
 215.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.
1.    0.
 220.  *    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.
1.    0.
 225.  *    1.    1.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.
1.    0.
 230.  *    1.    1.    2.    2.    1.    0.    0.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 235.  *    1.    1.    2.    2.    1.    0.    1.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 240.  *    1.    1.    2.    2.    1.    1.    1.    1.    1.    1.    0.    0.    0.    0.    0.    1.    1.    1.
1.    1.
 245.  *    1.    1.    1.    1.    1.    1.    1.    1.    1.    1.    0.    0.    1.    0.    0.    1.    1.    1.
1.    1.
 250.  *    1.    1.    1.    1.    1.    1.    1.    2.    1.    1.    0.    0.    1.    1.    0.    1.    1.    1.
0.    1.
 255.  *    1.    1.    1.    1.    1.    1.    2.    2.    1.    1.    0.    0.    1.    1.    1.    1.    1.    1.
0.    1.
 260.  *    1.    1.    1.    1.    1.    1.    2.    2.    1.    1.    0.    0.    1.    1.    1.    1.    1.    1.
0.    0.
 265.  *    1.    1.    1.    1.    0.    1.    1.    2.    1.    1.    0.    0.    2.    1.    1.    1.    1.    1.
0.    0.
 270.  *    1.    1.    1.    0.    0.    1.    2.    2.    1.    1.    0.    0.    2.    1.    1.    1.    1.    1.
0.    0.
 275.  *    1.    1.    1.    0.    0.    1.    2.    2.    1.    1.    0.    0.    2.    1.    1.    1.    1.    1.
0.    0.
 280.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    0.    2.    1.    1.    1.    1.    1.
0.    0.
 285.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    0.    0.    2.    1.    1.    1.    1.    1.
0.    0.
 290.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    1.    1.    1.
0.    0.
 295.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    1.    1.    1.    1.    1.    1.    1.
0.    0.
 300.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    1.    1.    1.
0.    0.
 305.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    0.    0.    1.    1.    1.    1.    1.    1.
0.    0.
 310.  *    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    0.    0.    1.    1.    1.    1.    1.    1.
0.    0.
 315.  *    1.    1.    1.    1.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    1.    1.    1.
0.    0.
 320.  *    1.    1.    1.    1.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    0.    1.    1.
0.    0.
 325.  *    1.    1.    1.    1.    0.    1.    1.    2.    1.    1.    0.    1.    1.    1.    1.    1.    1.    1.
0.    0.
 330.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    1.    1.    1.    1.    1.    1.    1.
0.    0.
 335.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    1.    1.    1.    1.    1.    1.    1.
0.    0.
 340.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    1.    1.    1.    1.    1.    1.    1.
0.    0.
 345.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    0.    1.    2.    1.    1.    1.    1.    1.
0.    0.
 350.  *    1.    1.    1.    0.    0.    1.    1.    2.    2.    1.    1.    1.    2.    1.    1.    1.    1.    1.
0.    0.
 355.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    2.    1.    1.    2.    1.    1.    1.    1.    1.
0.    0.
 360.  *    1.    1.    1.    0.    0.    1.    1.    2.    1.    1.    1.    2.    2.    1.    1.    1.    1.    1.
0.    0.
------*-------------------------------------------------------------------------------------------------------------------
-------
 MAX   *    2.    1.    2.    2.    1.    1.    2.    2.    2.    2.    2.    2.    2.    2.    2.    1.    1.    1.
1.    1.
 DEGR. *  200   195   230   225   230   260   275   265   345   355    10    10    10    20    40   195   195   190
220   230
```


JOB: Ronkonkama RUN: BUILD

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 * (ug/m**3)
(DEGR)* REC41 REC42 REC43 REC44 REC45 REC46 REC47 REC48 REC49 REC50 REC51 REC52 REC53 REC54 REC55

```
------*-------------------------------------------------------------------------------------------------------------------
  0.  *    0.    0.    1.    0.    1.    2.    2.    2.    1.    1.    0.    0.    1.    1.    1.
```

5.	*	0.	0.	1.	0.	0.	2.	2.	2.	1.	1.	0.	0.	1.	1.	1.
10.	*	0.	0.	1.	0.	0.	1.	2.	2.	1.	1.	0.	0.	1.	1.	1.
15.	*	0.	0.	0.	0.	0.	1.	2.	2.	1.	1.	0.	0.	1.	1.	1.
20.	*	0.	0.	0.	0.	0.	1.	1.	2.	1.	1.	0.	1.	1.	1.	1.
25.	*	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	0.	1.	1.	1.	1.
30.	*	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	0.	1.	1.	1.	1.
35.	*	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	0.	1.	1.	1.	1.
40.	*	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	0.	1.	1.	1.	1.
45.	*	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	0.	1.	1.	1.	1.
50.	*	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	0.	1.	1.	1.	1.
55.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	1.	1.	1.	1.
60.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	1.	1.	1.	1.
65.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.
70.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.
75.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.
80.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.
85.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	2.	1.	1.
90.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	2.	1.	1.	1.
95.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	2.	2.	1.	1.
100.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	2.	2.	2.	1.	1.
105.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	2.	1.	1.	1.
110.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	2.	1.	1.	1.
115.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	2.	1.	1.	1.
120.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	2.	1.	1.	1.
125.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	2.	1.	1.	1.
130.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.
135.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.
140.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.
145.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	1.	1.
150.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	2.	1.	1.
155.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	2.	1.	1.
160.	*	0.	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	2.	1.	1.
165.	*	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	1.	1.
170.	*	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	1.	2.
175.	*	0.	0.	0.	0.	0.	1.	1.	1.	1.	1.	1.	1.	2.	1.	1.
180.	*	0.	0.	0.	0.	0.	1.	1.	1.	1.	0.	0.	1.	2.	1.	1.
185.	*	0.	0.	1.	0.	0.	1.	1.	1.	0.	0.	1.	1.	2.	1.	1.
190.	*	0.	0.	1.	0.	0.	1.	1.	1.	0.	0.	1.	1.	2.	1.	1.
195.	*	0.	0.	1.	0.	0.	1.	1.	1.	0.	0.	1.	1.	1.	1.	1.
200.	*	0.	0.	1.	0.	0.	1.	1.	1.	0.	0.	1.	1.	1.	1.	1.
205.	*	0.	0.	1.	1.	0.	1.	1.	0.	0.	0.	1.	1.	1.	1.	1.

JOB: Ronkonkama RUN: BUILD

WIND ANGLE RANGE: 0.-360.

WIND ANGLE (DEGR)	*	CONCENTRATION (ug/m**3) REC41	REC42	REC43	REC44	REC45	REC46	REC47	REC48	REC49	REC50	REC51	REC52	REC53	REC54	REC55
210.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	1.	1.	2.	1.	0.
215.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	1.	1.	2.	1.	0.
220.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	1.	1.	2.	1.	0.
225.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	1.	1.	2.	1.	0.
230.	*	0.	0.	1.	1.	0.	1.	0.	0.	0.	0.	1.	1.	2.	1.	0.
235.	*	0.	0.	0.	1.	0.	1.	0.	0.	0.	0.	1.	1.	2.	1.	0.
240.	*	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.	1.	1.	0.	0.
245.	*	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	1.	1.	1.	0.	0.
250.	*	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	0.
255.	*	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.
260.	*	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
265.	*	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
270.	*	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
275.	*	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
280.	*	1.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
285.	*	1.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
290.	*	1.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
295.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
300.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
305.	*	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
310.	*	0.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
315.	*	0.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
320.	*	0.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
325.	*	0.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
330.	*	0.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
335.	*	0.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.
340.	*	0.	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	0.	0.	0.
345.	*	0.	1.	1.	1.	1.	1.	1.	1.	0.	0.	0.	0.	1.	0.	0.
350.	*	0.	1.	1.	1.	1.	2.	1.	1.	0.	0.	0.	0.	1.	0.	0.
355.	*	0.	0.	1.	1.	1.	2.	2.	2.	1.	1.	0.	0.	1.	1.	1.
360.	*	0.	0.	1.	0.	1.	2.	2.	2.	1.	1.	0.	0.	1.	1.	1.
MAX	*	1.	1.	1.	1.	1.	2.	2.	2.	1.	1.	2.	2.	2.	1.	2.
DEGR.	*	280	320	335	340	345	5	5	5	10	155	100	100	165	165	170

THE HIGHEST CONCENTRATION OF 2. ug/m**3 OCCURRED AT RECEPTOR REC33.

4. Microscale Results Summary

28743.04 Ronkonkoma HUB GEIS

		Background Concentration	Persistence Factor
Carbon Monoxide (CO)	1-Hour	3.4	
	8-Hour	1.7	0.7
Particulate Matter 10 (PM10)	24-Hour	45.3	0.4
Particulate Matter 25 (PM2.5)	24-Hour	23.1	0.4
	Annual	8.5	0.08

Intersection	Receptors		CO												PM10								PM2.5											
			1-Hour Raw				1-Hour Total				8-Hour Total				1-Hour Raw				24-Hour Total				1-Hour Raw				24-Hour Total				Annual Total			
			Existing	No Build	Build	Mitigation	Existing	No Build	Build	litigatic	Existing	No Build	Build	Mitigation	Existing	No Build	Build	Mitigation	Existing	No Build	Build	Mitigation	Existing	No Build	Build	Mitigation	Existing	No Build	Build	Mitigation	Existing	No Build	Build	Mitigation
LIE North Service Road at	NE	1	0.5	0.3	0.4	0.5	3.9	3.7	3.8	3.9	2.1	1.9	2.0	2.1	3	3	3	3	46.5	46.5	46.5	46.5	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
Hawkins Avenue	NE	2	0.6	0.5	0.6	0.4	4	3.9	4	3.8	2.1	2.1	2.1	2.0	3	3	3	3	46.5	46.5	46.5	46.5	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NE	3	0.7	0.6	0.7	0.5	4.1	4	4.1	3.9	2.2	2.1	2.2	2.1	4	3	3	3	46.9	46.5	46.5	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	NE	4	0.8	0.8	0.9	0.7	4.2	4.2	4.3	4.1	2.3	2.3	2.3	2.2	3	3	3	2	46.5	46.5	46.5	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NE	5	0.3	0.2	0.4	0.6	3.7	3.6	3.8	4	1.9	1.8	2.0	2.1	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	SE	1	0.3	0.2	0.3	0.6	3.7	3.6	3.7	4	1.9	1.8	1.9	2.1	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	SE	2	0.7	0.5	0.5	0.6	4.1	3.9	3.9	4	2.2	2.1	2.1	2.1	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	SE	3	0.9	0.7	0.7	0.5	4.3	4.1	4.1	3.9	2.3	2.2	2.2	2.1	3	3	3	3	46.5	46.5	46.5	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	SE	4	0.9	0.9	0.9	0.5	4.3	4.3	4.3	3.9	2.3	2.3	2.3	2.1	3	3	3	3	46.5	46.5	46.5	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	SE	5	0.8	0.7	0.8	0.5	4.2	4.1	4.2	3.9	2.3	2.2	2.3	2.1	3	3	3	3	46.5	46.5	46.5	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	SW	1	0.8	0.5	0.6	0.4	4.2	3.9	4	3.8	2.3	2.1	2.1	2.0	3	3	3	3	46.5	46.5	46.5	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	SW	2	0.7	0.6	0.7	0.6	4.1	4	4.1	4	2.2	2.1	2.2	2.1	3	3	3	3	46.5	46.5	46.5	46.5	2	1	1	1	23.9	23.5	23.5	23.5	8.7	8.6	8.6	8.6
	SW	3	0.6	0.5	0.5	0.5	4	3.9	3.9	3.9	2.1	2.1	2.1	2.1	3	3	3	3	46.5	46.5	46.5	46.5	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	SW	4	0.5	0.5	0.5	0.3	3.9	3.9	3.9	3.7	2.1	2.1	2.1	1.9	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	SW	5	0.3	0.2	0.3	0.2	3.7	3.6	3.7	3.6	1.9	1.8	1.9	1.8	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NW	1	0.3	0.2	0.4	0.2	3.7	3.6	3.8	3.6	1.9	1.8	2.0	1.8	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NW	2	0.5	0.4	0.5	0.3	3.9	3.8	3.9	3.7	2.1	2.0	2.1	1.9	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NW	3	0.6	0.5	0.6	0.6	4	3.9	4	4	2.1	2.1	2.1	2.1	3	3	3	3	46.5	46.5	46.5	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	NW	4	0.7	0.6	0.7	0.7	4.1	4	4.1	4.1	2.2	2.1	2.2	2.2	3	3	3	3	46.5	46.5	46.5	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	NW	5	0.6	0.5	0.7	0.6	4	3.9	4.1	4	2.1	2.1	2.2	2.1	3	3	3	3	46.5	46.5	46.5	46.5	2	1	1	1	23.9	23.5	23.5	23.5	8.7	8.6	8.6	8.6
LIE South Service Road at	NE	1	0.7	0.7	0.7	0.4	4.1	4.1	4.1	3.8	2.2	2.2	2.2	2.0	3	3	3	3	46.5	46.5	46.5	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
Hawkins Avenue	NE	2	0.7	0.7	0.7	0.6	4.1	4.1	4.1	4	2.2	2.2	2.2	2.1	3	3	3	3	46.5	46.5	46.5	46.5	2	1	1	1	23.9	23.5	23.5	23.5	8.7	8.6	8.6	8.6
	NE	3	1	0.8	0.9	0.7	4.4	4.2	4.3	4.1	2.4	2.3	2.3	2.2	4	4	4	4	46.9	46.9	46.9	46.9	2	2	2	2	23.9	23.9	23.9	23.9	8.7	8.7	8.7	8.7
	NE	4	0.7	0.7	0.7	0.5	4.1	4.1	4.1	3.9	2.2	2.2	2.2	2.1	4	3	3	3	46.9	46.5	46.5	46.5	2	2	2	2	23.9	23.9	23.9	23.9	8.7	8.7	8.7	8.7
	NE	5	0.8	0.5	0.5	0.5	4.2	3.9	3.9	3.9	2.3	2.1	2.1	2.1	4	3	3	3	46.9	46.5	46.5	46.5	2	1	1	1	23.9	23.5	23.5	23.5	8.7	8.6	8.6	8.6
	SE	1	0.5	0.5	0.5	0.5	3.9	3.9	3.9	3.9	2.1	2.1	2.1	2.1	4	3	3	3	46.9	46.5	46.5	46.5	2	1	1	2	23.9	23.5	23.5	23.9	8.7	8.6	8.6	8.7
	SE	2	0.8	0.7	0.7	0.6	4.2	4.1	4.1	4	2.3	2.2	2.2	2.1	4	4	4	4	46.9	46.9	46.9	46.9	2	2	2	2	23.9	23.9	23.9	23.9	8.7	8.7	8.7	8.7
	SE	3	1.1	1	1.1	0.9	4.5	4.4	4.5	4.3	2.5	2.4	2.5	2.3	4	4	4	4	46.9	46.9	46.9	46.9	2	2	2	2	23.9	23.9	23.9	23.9	8.7	8.7	8.7	8.7
	SE	4	1	0.9	0.9	0.7	4.4	4.3	4.3	4.1	2.4	2.3	2.3	2.2	3	3	4	3	46.5	46.5	46.9	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	SE	5	0.9	0.8	0.8	0.6	4.3	4.2	4.2	4	2.3	2.3	2.3	2.1	3	3	3	3	46.5	46.5	46.5	46.5	2	1	2	1	23.9	23.5	23.9	23.5	8.7	8.6	8.7	8.6
	SW	1	0.9	0.7	0.8	0.5	4.3	4.1	4.2	3.9	2.3	2.2	2.3	2.1	4	3	3	3	46.9	46.5	46.5	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	SW	2	1.2	1	1.1	0.4	4.6	4.4	4.5	3.8	2.5	2.4	2.5	2.0	5	4	4	3	47.3	46.9	46.9	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	SW	3	1.3	1.1	1.2	0.8	4.7	4.5	4.6	4.2	2.6	2.5	2.5	2.3	4	4	4	4	46.9	46.9	46.9	46.9	2	2	2	2	23.9	23.9	23.9	23.9	8.7	8.7	8.7	8.7
	SW	4	1.1	0.9	1	0.8	4.5	4.3	4.4	4.2	2.5	2.3	2.4	2.3	4	4	4	4	46.9	46.9	46.9	46.9	2	2	2	2	23.9	23.9	23.9	23.9	8.7	8.7	8.7	8.7
	SW	5	1.1	0.7	0.7	0.7	4.5	4.1	4.1	4.1	2.5	2.2	2.2	2.2	1	4	4	4	45.7	46.9	46.9	46.9	2	2	2	2	23.9	23.9	23.9	23.9	8.7	8.7	8.7	8.7
	NW	1	0.4	0.6	0.7	0.6	3.8	4	4.1	4	2.0	2.1	2.2	2.1	1	2	2	2	45.7	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NW	2	0.3	0.4	0.6	0.5	3.7	3.8	4	3.9	1.9	2.0	2.1	2.1	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NW	3	0.3	0.4	0.6	0.5	3.7	3.8	4	3.9	1.9	2.0	2.1	2.1	1	2	2	2	45.7	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NW	4	0.3	0.3	0.4	0.3	3.7	3.7	3.8	3.7	1.9	1.9	2.0	1.9	1	1	2	1	45.7	45.7	46.1	45.7	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NW	5	0.2	0.1	0.3	0.3	3.6	3.5	3.7	3.7	1.8	1.8	1.9	1.9	1	1	1	2	45.7	45.7	45.7	46.1	0	0	1	1	23.1	23.1	23.5	23.5	8.5	8.5	8.6	8.6
Hawkins Avenue at	NE	1	0.3	0.2	0.2	0.3	3.7	3.6	3.6	3.7	1.9	1.8	1.8	1.9	1	1	1	2	45.7	45.7	45.7	46.1	0	0	1	1	23.1	23.1	23.5	23.5	8.5	8.5	8.6	8.6
Union Avenue	NE	2	0.5	0.4	0.4	0.3	3.9	3.8	3.8	3.7	2.1	2.0	2.0	1.9	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NE	3	0.4	0.5	0.7	0.5	3.8	3.9	4.1	3.9	2.0	2.1	2.2	2.1	2	2	3	2	46.1	46.1	46.5	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NE	4	0.2	0.3	0.4	0.3	3.6	3.7	3.8	3.7	1.8	1.9	2.0	1.9	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	NE	5	0.2	0.3	0.5	0.3	3.6	3.7	3.9	3.7	1.8	1.9	2.1	1.9	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	SE	1	0.2	0.3	1.3	0.9	3.6	3.7	4.7	4.3	1.8	1.9	2.6	2.3	2	2	3	3	46.1	46.1	46.5	46.5	1	1	2	1	23.5	23.5	23.9	23.5	8.6	8.6	8.7	8.6
	SE	2	0.2	0.4	1.4	1.1	3.6	3.8	4.8	4.5	1.8	2.0	2.7	2.5	2	2	3	3	46.1	46.1	46.5	46.5	1	1	2	2	23.5	23.5	23.9	23.9	8.6	8.6	8.7	8.7
	SE	3	0.5	0.4	1.4	0.7	3.9	3.8	4.8	4.1	2.1	2.0	2.7	2.2	2	2	3	2	46.1	46.1	46.5	46.1	1	1	2	1	23.5	23.5	23.9	23.5	8.6	8.6	8.7	8.6
	SE	4	0.5	0.5	0.8	0.5	3.9	3.9	4.2	3.9	2.1	2.1	2.3	2.1	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	SE	5	0.5	0.6	0.7	0.5	3.9	4	4.1	3.9	2.1	2.1	2.2	2.1	2	2	2	2	46.1	46.1	46.1	46.1	1	1	1	1	23.5	23.5	23.5	23.5	8.6	8.6	8.6	8.6
	W	1	0.9	0.7	0.7	0.7	4.3	4.1	4.1	4.1	2.3	2.2	2.2	2.2	4	3	3	3	46.9	46.5	46.5	46.5	2	2	2	2	23.9	23.9	23.9	23.9	8.7	8.7	8.7	8.7
	W	2	1	0.8	0.8	0.7	4.4	4.2	4.2	4.1	2.4	2.3	2.3	2.2	4	4	4	3	46.9	46.9	46.9	46.5	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	W	3	1.3	1	1.1	0.7	4.7	4.4	4.5	4.1	2.6	2.4	2.5	2.2	4	4	4	4	46.9	46.9	46.9	46.9	2	2	2	1	23.9	23.9	23.9	23.5	8.7	8.7	8.7	8.6
	W	4	0.8	0.7	0.7	0.5	4.2	4.1	4.1	3.9	2.3	2.2	2.2	2.1	3	3	3	3	46.5	46.5	46.5	46.5	2	1	1	1	23.9	23.5	23.5	23.5	8.7	8.6	8.6	8.6
	W	5	0.9	0.7	0.8	0.5	4.3	4.1	4.2	3.9	2.3	2.2	2.3	2.1	3	3	3	3	46.5	46.5	46.5	46.5	1	1	2	1	23.5	23.5	23.9	23.5	8.6	8.6	8.7	8.6