

TITLE: SCENARIO 1

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\*\*\*\*\* STACK PARAMETERS \*\*\*\*\*  
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|                         |               |                   |
|-------------------------|---------------|-------------------|
| SOURCE EMISSION RATE:   | 0.1260 g/s    | 1.000 lb/hr       |
| STACK HEIGHT:           | 12.50 meters  | 41.00 feet        |
| STACK INNER DIAMETER:   | 0.686 meters  | 27.00 inches      |
| PLUME EXIT TEMPERATURE: | 294.3 K       | 70.0 Deg F        |
| PLUME EXIT VELOCITY:    | 12.776 m/s    | 41.92 ft/s        |
| STACK AIR FLOW RATE:    | 10000 ACFM    |                   |
| STACK BASE LONGITUDE:   | -122.1412 deg | 563858. Easting   |
| STACK BASE LATITUDE:    | 48.1633 deg   | 5334806. Northing |
| STACK BASE UTM ZONE:    |               | 10                |
| REFERENCE DATUM (NADA): |               | 4                 |
| STACK BASE ELEVATION:   | 45.04 meters  | 147.77 feet       |
| RURAL OR URBAN:         | URBAN         |                   |
| POPULATION:             | 21100         |                   |

DIGITAL ELEVATION MAP(S) "USGS\_NED\_13\_n49w122.tif"

"USGS\_NED\_13\_n49w123.tif"

INITIAL PROBE DISTANCE = 10000. meters 32808. feet

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\*\*\*\*\* BUILDING DOWNWASH PARAMETERS \*\*\*\*\*  
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USER DEFINED BPIPPRM INPUT FILE: AERSCREEN.BPI

|                          |             |            |
|--------------------------|-------------|------------|
| MAXIMUM BUILDING HEIGHT: | 9.5 meters  | 31.2 feet  |
| MAXIMUM BUILDING LENGTH: | 86.5 meters | 283.8 feet |
| MINIMUM BUILDING WIDTH:  | 46.3 meters | 152.0 feet |

\*\*\*\*\* FLOW SECTOR ANALYSIS \*\*\*\*\*

25 meter receptor spacing: 23. meters - 5000. meters

50 meter receptor spacing: 5050. meters - 10000. meters

| FLOW<br>TEMPORAL<br>SECTOR<br>PERIOD | BUILD<br>WIDTH | BUILD<br>LENGTH |        |       | MAXIMUM<br>1-HR CONC<br>(ug/m3) | IMPACT<br>DIST<br>(m) | RECEPTOR<br>HEIGHT<br>(m) |     |
|--------------------------------------|----------------|-----------------|--------|-------|---------------------------------|-----------------------|---------------------------|-----|
|                                      |                |                 | XBADJ  | YBADJ |                                 |                       |                           |     |
| 10                                   | 58.33          | 80.08           | -39.59 | 3.34  | 102.8                           | 50.0                  | -0.02                     | WIN |
| 20                                   | 68.55          | 84.58           | -42.43 | 3.37  | 109.8                           | 50.0                  | -0.02                     | WIN |
| 30                                   | 76.70          | 86.51           | -43.98 | 3.30  | 107.8                           | 50.0                  | -0.11                     | WIN |
| 40                                   | 82.51          | 85.82           | -44.19 | 3.12  | 111.7                           | 50.0                  | -0.27                     | WIN |
| 50                                   | 85.82          | 82.51           | -43.06 | 2.85  | 97.63                           | 50.0                  | 1.52                      | WIN |
| 60                                   | 86.51          | 76.70           | -40.62 | 2.50  | 98.97                           | 25.0                  | 0.00                      | WIN |
| 70                                   | 84.58          | 68.55           | -36.95 | 2.06  | 105.0                           | 25.0                  | -0.02                     | WIN |
| 80                                   | 80.08          | 58.33           | -32.15 | 1.57  | 107.0                           | 25.0                  | -0.04                     | SPR |
| 90                                   | 73.15          | 46.33           | -26.38 | 1.03  | 107.9                           | 23.2                  | -0.01                     | SPR |
| 100                                  | 80.08          | 58.33           | -32.51 | 0.45  | 102.9                           | 25.0                  | -0.03                     | SPR |
| 110                                  | 84.58          | 68.55           | -37.65 | -0.14 | 102.4                           | 25.0                  | -0.03                     | WIN |
| 120                                  | 86.51          | 76.70           | -41.65 | -0.72 | 97.19                           | 25.0                  | -0.01                     | WIN |
| 130                                  | 85.82          | 82.51           | -44.38 | -1.28 | 94.81                           | 25.0                  | 0.02                      | WIN |
| 140                                  | 82.51          | 85.82           | -45.76 | -1.80 | 110.6                           | 50.0                  | -0.16                     | WIN |
| 150                                  | 76.70          | 86.51           | -45.75 | -2.27 | 108.0                           | 50.0                  | -0.01                     | WIN |
| 160                                  | 68.55          | 84.58           | -44.35 | -2.67 | 104.5                           | 50.0                  | 0.02                      | WIN |
| 170                                  | 58.33          | 80.08           | -41.61 | -2.99 | 98.42                           | 50.0                  | -0.08                     | WIN |
| 180                                  | 46.33          | 73.15           | -37.60 | -3.21 | 96.99                           | 50.0                  | -0.27                     | WIN |
| 190                                  | 58.33          | 80.08           | -40.49 | -3.34 | 99.10                           | 50.0                  | -0.30                     | WIN |
| 200                                  | 68.55          | 84.58           | -42.16 | -3.37 | 106.3                           | 50.0                  | -0.37                     | WIN |
| 210                                  | 76.70          | 86.51           | -42.54 | -3.30 | 111.8                           | 50.0                  | -0.37                     | WIN |
| 220                                  | 82.51          | 85.82           | -41.63 | -3.12 | 116.5                           | 50.0                  | -0.39                     | WIN |
| 230                                  | 85.82          | 82.51           | -39.45 | -2.85 | 118.8                           | 50.0                  | -0.49                     | WIN |
| 240                                  | 86.51          | 76.70           | -36.08 | -2.50 | 116.3                           | 50.0                  | -0.59                     | WIN |
| 250                                  | 84.58          | 68.55           | -31.61 | -2.06 | 116.9                           | 50.0                  | -0.59                     | WIN |
| 260                                  | 80.08          | 58.33           | -26.18 | -1.57 | 126.8                           | 50.0                  | -0.58                     | WIN |
| 270                                  | 73.15          | 46.33           | -19.95 | -1.03 | 117.6                           | 50.0                  | -0.55                     | SPR |
| 280*                                 | 80.08          | 58.33           | -25.82 | -0.45 | 127.2                           | 50.0                  | -0.57                     | WIN |
| 290                                  | 84.58          | 68.55           | -30.91 | 0.14  | 120.4                           | 50.0                  | -0.59                     | WIN |
| 300                                  | 86.51          | 76.70           | -35.05 | 0.72  | 119.9                           | 50.0                  | -0.62                     | WIN |
| 310                                  | 85.82          | 82.51           | -38.13 | 1.28  | 120.2                           | 50.0                  | -0.50                     | WIN |
| 320                                  | 82.51          | 85.82           | -40.06 | 1.80  | 120.3                           | 50.0                  | -0.45                     | WIN |
| 330                                  | 76.70          | 86.51           | -40.76 | 2.27  | 113.9                           | 50.0                  | -0.21                     | WIN |
| 340                                  | 68.55          | 84.58           | -40.23 | 2.67  | 112.4                           | 50.0                  | -0.18                     | WIN |
| 350                                  | 58.33          | 80.08           | -38.47 | 2.99  | 103.0                           | 50.0                  | -0.14                     | WIN |

360 46.33 73.15 -35.55 3.22 97.90 50.0 -0.10 WIN  
\* = worst case flow sector

\*\*\*\*\* MAKEMET METEOROLOGY PARAMETERS \*\*\*\*\*

MIN/MAX TEMPERATURE: 250.0 / 310.0 (K)

MINIMUM WIND SPEED: 0.5 m/s

ANEMOMETER HEIGHT: 10.000 meters

SURFACE CHARACTERISTICS INPUT: AERMET SEASONAL TABLES

DOMINANT SURFACE PROFILE: Urban

DOMINANT CLIMATE TYPE: Average Moisture

DOMINANT SEASON: Winter

ALBEDO: 0.35

BOWEN RATIO: 1.50

ROUGHNESS LENGTH: 1.000 (meters)

SURFACE FRICTION VELOCITY (U\*) NOT ADJUSTED

METEOROLOGY CONDITIONS USED TO PREDICT OVERALL MAXIMUM IMPACT

YR MO DY JDY HR

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10 02 14 14 01

| H0    | U*    | W*     | DT/DZ | ZICNV | ZIMCH | M-O  | LEN   | Z0   | BOWEN | ALBEDO | REF | WS |
|-------|-------|--------|-------|-------|-------|------|-------|------|-------|--------|-----|----|
| -4.76 | 0.087 | -9.000 | 0.020 | -999. | 294.  | 13.1 | 1.000 | 1.50 | 0.35  | 1.00   |     |    |

| HT   | REF   | TA  | HT |
|------|-------|-----|----|
| 10.0 | 310.0 | 2.0 |    |

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WIND SPEED AT STACK HEIGHT (non-downwash): 1.4 m/s  
STACK-TIP DOWNWASH ADJUSTED STACK HEIGHT: 12.5 meters  
ESTIMATED FINAL PLUME RISE (non-downwash): 0.0 meters  
ESTIMATED FINAL PLUME HEIGHT (non-downwash): 12.5 meters

METEOROLOGY CONDITIONS USED TO PREDICT AMBIENT BOUNDARY IMPACT

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YR MO DY JDY HR

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10 03 07 14 12

| H0    | U*    | W*    | DT/DZ | ZICNV | ZIMCH | M-O   | LEN   | Z0   | BOWEN | ALBEDO | REF | WS |
|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|--------|-----|----|
| 19.59 | 0.211 | 0.300 | 0.020 | 52.   | 223.  | -45.7 | 1.000 | 1.00 | 0.14  | 1.00   |     |    |

| HT   | REF   | TA  | HT |
|------|-------|-----|----|
| 10.0 | 310.0 | 2.0 |    |

WIND SPEED AT STACK HEIGHT (non-downwash): 1.1 m/s  
STACK-TIP DOWNWASH ADJUSTED STACK HEIGHT: 12.5 meters  
ESTIMATED FINAL PLUME RISE (non-downwash): 24.4 meters  
ESTIMATED FINAL PLUME HEIGHT (non-downwash): 36.9 meters

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\*\*\*\*\* AERSCREEN AUTOMATED DISTANCES \*\*\*\*\*

OVERALL MAXIMUM CONCENTRATIONS BY DISTANCE

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| DIST<br>(m) | MAXIMUM<br>1-HR CONC<br>(ug/m3) | RECEPTOR<br>HEIGHT<br>(m) | DIST<br>(m) | MAXIMUM<br>1-HR CONC<br>(ug/m3) | RECEPTOR<br>HEIGHT<br>(m) |
|-------------|---------------------------------|---------------------------|-------------|---------------------------------|---------------------------|
| 23.17       | 112.4                           | -0.10                     | 3700.00     | 2.014                           | 31.38                     |
| 25.00       | 117.1                           | -0.13                     | 3725.00     | 2.005                           | 36.83                     |
| 50.00       | 127.2                           | -0.57                     | 3750.00     | 1.983                           | 32.99                     |
| 75.00       | 114.9                           | -0.40                     | 3775.00     | 1.965                           | 32.99                     |
| 83.82       | 76.19                           | -0.68                     | 3800.00     | 1.947                           | 32.75                     |
| 100.00      | 59.29                           | -0.45                     | 3825.00     | 1.935                           | 37.46                     |
| 125.00      | 54.13                           | -0.18                     | 3850.00     | 1.903                           | 30.40                     |
| 150.00      | 49.45                           | -0.24                     | 3875.00     | 1.885                           | 30.01                     |
| 150.88      | 49.28                           | -0.26                     | 3900.00     | 1.862                           | 29.02                     |
| 175.00      | 45.09                           | -0.72                     | 3925.00     | 1.809                           | 57.30                     |
| 200.00      | 41.82                           | -0.73                     | 3950.00     | 1.784                           | 59.34                     |
| 201.17      | 41.69                           | -0.72                     | 3975.00     | 1.789                           | 55.33                     |
| 225.00      | 38.88                           | -0.87                     | 4000.00     | 1.781                           | 53.71                     |
| 250.00      | 36.20                           | -1.14                     | 4025.00     | 1.777                           | 51.19                     |
| 274.32      | 34.34                           | -0.92                     | 4050.00     | 1.771                           | 48.69                     |
| 275.00      | 34.32                           | -0.89                     | 4075.00     | 1.765                           | 45.85                     |
| 300.00      | 33.05                           | -0.42                     | 4100.00     | 1.759                           | 41.25                     |
| 325.00      | 31.62                           | 0.07                      | 4125.00     | 1.745                           | 40.96                     |
| 350.00      | 28.58                           | -2.03                     | 4150.00     | 1.733                           | 38.12                     |

|         |       |       |         |       |       |
|---------|-------|-------|---------|-------|-------|
| 375.00  | 26.87 | -2.14 | 4175.00 | 1.712 | 32.59 |
| 400.00  | 25.07 | -2.47 | 4200.00 | 1.682 | 50.90 |
| 425.00  | 23.38 | -2.69 | 4225.00 | 1.660 | 53.39 |
| 450.00  | 22.25 | 18.58 | 4250.00 | 1.652 | 51.91 |
| 475.00  | 21.50 | 18.95 | 4275.00 | 1.663 | 41.91 |
| 487.68  | 21.13 | 19.11 | 4300.00 | 1.641 | 46.75 |
| 500.00  | 20.78 | 18.99 | 4325.00 | 1.637 | 42.13 |
| 525.00  | 20.09 | 19.49 | 4350.00 | 1.625 | 36.71 |
| 550.00  | 19.41 | 19.27 | 4375.00 | 1.607 | 33.07 |
| 575.00  | 18.80 | 20.65 | 4400.00 | 1.587 | 30.98 |
| 600.00  | 18.18 | 20.70 | 4425.00 | 1.561 | 28.45 |
| 625.00  | 17.54 | 20.02 | 4450.00 | 1.538 | 26.95 |
| 650.00  | 16.96 | 20.37 | 4475.00 | 1.517 | 60.17 |
| 675.00  | 16.43 | 21.80 | 4500.00 | 1.504 | 60.67 |
| 700.00  | 15.88 | 21.46 | 4525.00 | 1.500 | 58.76 |
| 725.00  | 15.32 | 20.92 | 4550.00 | 1.530 | 38.59 |
| 750.00  | 14.74 | 24.85 | 4575.00 | 1.458 | 64.61 |
| 775.00  | 14.34 | 21.58 | 4600.00 | 1.455 | 62.61 |
| 800.00  | 13.88 | 22.23 | 4625.00 | 1.425 | 23.69 |
| 825.00  | 13.35 | 20.84 | 4650.00 | 1.422 | 24.36 |
| 850.00  | 12.94 | 25.49 | 4675.00 | 1.419 | 25.02 |
| 875.00  | 12.48 | 26.54 | 4700.00 | 1.416 | 25.76 |
| 900.00  | 11.51 | 17.11 | 4725.00 | 1.418 | 27.39 |
| 925.00  | 11.23 | 17.69 | 4750.00 | 1.414 | 28.33 |
| 950.00  | 11.27 | 20.38 | 4775.00 | 1.409 | 29.24 |
| 975.00  | 10.92 | 30.06 | 4800.00 | 1.416 | 33.71 |
| 1000.00 | 10.35 | 34.15 | 4825.00 | 1.406 | 47.10 |
| 1025.00 | 9.897 | 36.52 | 4850.00 | 1.395 | 47.72 |
| 1050.00 | 9.455 | 39.03 | 4875.00 | 1.392 | 40.71 |
| 1075.00 | 9.588 | 33.50 | 4900.00 | 1.380 | 35.73 |
| 1100.00 | 9.615 | 24.81 | 4925.00 | 1.369 | 34.98 |
| 1125.00 | 9.347 | 26.76 | 4950.00 | 1.361 | 35.89 |
| 1150.00 | 9.031 | 29.95 | 4975.00 | 1.354 | 40.51 |
| 1175.00 | 8.775 | 30.79 | 5000.00 | 1.343 | 37.33 |
| 1200.00 | 8.644 | 26.08 | 5050.00 | 1.326 | 38.55 |
| 1225.00 | 8.249 | 20.89 | 5100.00 | 1.309 | 39.87 |
| 1250.00 | 8.200 | 24.21 | 5150.00 | 1.291 | 41.67 |
| 1275.00 | 8.018 | 26.90 | 5200.00 | 1.273 | 43.45 |
| 1300.00 | 7.777 | 23.20 | 5250.00 | 1.256 | 44.82 |
| 1325.00 | 7.582 | 31.25 | 5300.00 | 1.239 | 46.28 |
| 1350.00 | 7.406 | 31.50 | 5350.00 | 1.222 | 47.55 |
| 1375.00 | 7.297 | 27.71 | 5400.00 | 1.205 | 48.68 |
| 1400.00 | 7.020 | 34.04 | 5450.00 | 1.189 | 49.50 |
| 1425.00 | 6.979 | 27.14 | 5500.00 | 1.173 | 50.48 |
| 1450.00 | 6.822 | 28.94 | 5550.00 | 1.158 | 34.52 |
| 1475.00 | 6.623 | 32.74 | 5600.00 | 1.150 | 41.02 |
| 1500.00 | 6.377 | 37.02 | 5650.00 | 1.136 | 44.02 |
| 1525.00 | 6.203 | 38.61 | 5700.00 | 1.122 | 41.26 |
| 1550.00 | 5.980 | 41.80 | 5750.00 | 1.109 | 44.16 |
| 1575.00 | 5.973 | 38.52 | 5800.00 | 1.095 | 45.07 |

|         |       |       |         |        |       |
|---------|-------|-------|---------|--------|-------|
| 1600.00 | 5.996 | 24.55 | 5850.00 | 1.082  | 40.77 |
| 1625.00 | 5.841 | 34.90 | 5900.00 | 1.069  | 47.33 |
| 1650.00 | 5.664 | 37.96 | 5950.00 | 1.058  | 42.78 |
| 1675.00 | 5.343 | 45.62 | 6000.00 | 1.045  | 40.06 |
| 1700.00 | 5.206 | 47.16 | 6050.00 | 1.033  | 40.88 |
| 1725.00 | 5.234 | 20.23 | 6100.00 | 1.022  | 42.49 |
| 1750.00 | 5.383 | 29.19 | 6150.00 | 1.010  | 43.69 |
| 1775.00 | 5.255 | 33.84 | 6200.00 | 0.9975 | 47.70 |
| 1800.00 | 5.139 | 35.57 | 6250.00 | 0.9872 | 41.36 |
| 1825.00 | 5.086 | 32.87 | 6300.00 | 0.9766 | 44.02 |
| 1850.00 | 5.003 | 32.47 | 6350.00 | 0.9659 | 43.26 |
| 1875.00 | 4.929 | 30.60 | 6400.00 | 0.9553 | 44.52 |
| 1900.00 | 4.818 | 25.75 | 6450.00 | 0.9449 | 44.91 |
| 1925.00 | 4.739 | 25.83 | 6500.00 | 0.9347 | 42.51 |
| 1950.00 | 4.664 | 26.18 | 6550.00 | 0.9248 | 43.76 |
| 1975.00 | 4.588 | 26.25 | 6600.00 | 0.9150 | 43.33 |
| 2000.00 | 4.391 | 21.76 | 6650.00 | 0.9054 | 43.74 |
| 2025.00 | 4.454 | 27.47 | 6700.00 | 0.8959 | 43.90 |
| 2050.00 | 4.390 | 28.28 | 6750.00 | 0.8866 | 43.87 |
| 2075.00 | 4.327 | 29.76 | 6800.00 | 0.8774 | 43.61 |
| 2100.00 | 4.259 | 29.23 | 6850.00 | 0.8683 | 43.23 |
| 2125.00 | 4.196 | 29.55 | 6900.00 | 0.8595 | 43.40 |
| 2150.00 | 4.135 | 30.97 | 6950.00 | 0.8507 | 43.26 |
| 2175.00 | 4.073 | 32.23 | 7000.00 | 0.8421 | 43.00 |
| 2200.00 | 4.013 | 32.26 | 7050.00 | 0.8339 | 43.91 |
| 2225.00 | 3.946 | 34.55 | 7100.00 | 0.8257 | 44.76 |
| 2250.00 | 3.890 | 34.47 | 7150.00 | 0.8176 | 45.27 |
| 2275.00 | 3.842 | 32.48 | 7200.00 | 0.8096 | 45.64 |
| 2300.00 | 3.748 | 25.72 | 7250.00 | 0.8015 | 44.22 |
| 2325.00 | 3.473 | 54.67 | 7300.00 | 0.7939 | 45.10 |
| 2350.00 | 3.435 | 54.34 | 7350.00 | 0.7863 | 45.57 |
| 2375.00 | 3.382 | 54.94 | 7400.00 | 0.7788 | 46.26 |
| 2400.00 | 3.566 | 27.73 | 7450.00 | 0.7711 | 44.01 |
| 2425.00 | 3.534 | 33.91 | 7500.00 | 0.7638 | 43.69 |
| 2450.00 | 3.479 | 28.92 | 7550.00 | 0.7567 | 44.41 |
| 2475.00 | 3.389 | 25.11 | 7600.00 | 0.7498 | 47.64 |
| 2500.00 | 3.397 | 33.99 | 7650.00 | 0.7429 | 45.88 |
| 2525.00 | 3.331 | 38.82 | 7700.00 | 0.7361 | 47.49 |
| 2550.00 | 3.286 | 39.29 | 7750.00 | 0.7293 | 46.45 |
| 2575.00 | 3.246 | 39.19 | 7800.00 | 0.7226 | 48.33 |
| 2600.00 | 3.206 | 39.24 | 7850.00 | 0.7161 | 48.31 |
| 2625.00 | 3.165 | 39.51 | 7900.00 | 0.7097 | 47.94 |
| 2650.00 | 3.133 | 38.39 | 7950.00 | 0.7033 | 47.00 |
| 2675.00 | 3.107 | 35.59 | 8000.00 | 0.6971 | 47.97 |
| 2700.00 | 3.061 | 29.21 | 8050.00 | 0.6909 | 48.30 |
| 2725.00 | 3.006 | 27.13 | 8100.00 | 0.6848 | 47.88 |
| 2750.00 | 3.000 | 33.25 | 8150.00 | 0.6788 | 48.59 |
| 2775.00 | 2.954 | 38.04 | 8200.00 | 0.6729 | 49.35 |
| 2800.00 | 2.911 | 39.84 | 8250.00 | 0.6671 | 49.12 |
| 2825.00 | 2.876 | 40.24 | 8300.00 | 0.6613 | 47.25 |

|         |       |       |          |        |       |
|---------|-------|-------|----------|--------|-------|
| 2850.00 | 2.860 | 35.75 | 8350.00  | 0.6556 | 50.54 |
| 2875.00 | 2.827 | 31.60 | 8400.00  | 0.6500 | 46.46 |
| 2900.00 | 2.778 | 40.68 | 8450.00  | 0.6442 | 52.38 |
| 2925.00 | 2.744 | 41.24 | 8500.00  | 0.6388 | 52.50 |
| 2950.00 | 2.711 | 41.77 | 8550.00  | 0.6334 | 52.59 |
| 2975.00 | 2.686 | 41.01 | 8600.00  | 0.6285 | 49.05 |
| 3000.00 | 2.671 | 37.30 | 8650.00  | 0.6233 | 47.99 |
| 3025.00 | 2.639 | 30.76 | 8700.00  | 0.6181 | 47.91 |
| 3050.00 | 2.610 | 38.48 | 8750.00  | 0.6130 | 51.12 |
| 3075.00 | 2.572 | 41.27 | 8800.00  | 0.6081 | 49.40 |
| 3100.00 | 2.542 | 41.90 | 8850.00  | 0.6029 | 52.18 |
| 3125.00 | 2.513 | 42.51 | 8900.00  | 0.5982 | 50.97 |
| 3150.00 | 2.490 | 41.96 | 8950.00  | 0.5932 | 52.66 |
| 3175.00 | 2.464 | 29.24 | 9000.00  | 0.5883 | 53.89 |
| 3200.00 | 2.438 | 29.10 | 9050.00  | 0.5836 | 53.94 |
| 3225.00 | 2.423 | 39.76 | 9100.00  | 0.5794 | 49.86 |
| 3250.00 | 2.397 | 40.07 | 9150.00  | 0.5747 | 52.29 |
| 3275.00 | 2.373 | 40.02 | 9200.00  | 0.5700 | 46.60 |
| 3300.00 | 2.348 | 40.58 | 9250.00  | 0.5657 | 52.31 |
| 3325.00 | 2.321 | 41.96 | 9300.00  | 0.5613 | 53.00 |
| 3350.00 | 2.308 | 33.06 | 9350.00  | 0.5571 | 51.28 |
| 3375.00 | 2.284 | 32.49 | 9400.00  | 0.5527 | 48.75 |
| 3400.00 | 2.260 | 31.89 | 9450.00  | 0.5485 | 52.59 |
| 3425.00 | 2.228 | 43.11 | 9500.00  | 0.5444 | 50.16 |
| 3450.00 | 2.207 | 43.06 | 9550.00  | 0.5403 | 51.29 |
| 3475.00 | 2.190 | 42.06 | 9600.00  | 0.5362 | 51.33 |
| 3500.00 | 2.173 | 40.70 | 9650.00  | 0.5321 | 50.84 |
| 3525.00 | 2.107 | 25.70 | 9700.00  | 0.5282 | 51.15 |
| 3550.00 | 2.082 | 52.62 | 9750.00  | 0.5242 | 51.70 |
| 3575.00 | 2.083 | 48.95 | 9800.00  | 0.5203 | 51.68 |
| 3600.00 | 2.073 | 46.82 | 9850.00  | 0.5164 | 53.86 |
| 3625.00 | 2.054 | 46.95 | 9900.00  | 0.5119 | 58.33 |
| 3650.00 | 2.058 | 33.47 | 9950.00  | 0.5075 | 61.36 |
| 3675.00 | 2.037 | 32.79 | 10000.00 | 0.5040 | 60.69 |

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 \*\*\*\*\* AERSCREEN MAXIMUM IMPACT SUMMARY \*\*\*\*\*  
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| CALCULATION<br>PROCEDURE | MAXIMUM<br>1-HOUR<br>CONC<br>(ug/m3) | SCALED<br>3-HOUR<br>CONC<br>(ug/m3) | SCALED<br>8-HOUR<br>CONC<br>(ug/m3) | SCALED<br>24-HOUR<br>CONC<br>(ug/m3) | SCALED<br>ANNUAL<br>CONC<br>(ug/m3) |
|--------------------------|--------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|
| ELEVATED TERRAIN         | 131.7                                | 131.7                               | 118.5                               | 79.02                                | 13.17                               |

DISTANCE FROM SOURCE            61.00 meters directed toward 280 degrees  
 RECEPTOR HEIGHT            -0.11 meters

|                  |       |       |       |       |       |
|------------------|-------|-------|-------|-------|-------|
| IMPACT AT THE    |       |       |       |       |       |
| AMBIENT BOUNDARY | 112.4 | 112.4 | 101.1 | 67.43 | 11.24 |

DISTANCE FROM SOURCE            23.17 meters directed toward 270 degrees

RECEPTOR HEIGHT        -0.10 meters