

ISCST3x VERSION 4.4.3
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Run Began on 4/20/2008 at 15:03:42

** BREEZE ISC GIS Pro v5.1.2 - C:\NCRA\Modeling\DPM Risk\Traveling
Trains\Petaluma\15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound.dat

** Trinity Consultants

CO STARTING
CO TITLEONE NCRA Cumulative DPM Impacts
CO TITLETWO Maximum train overlap at NE/SW Bound Direction
CO MODELOPT DFAULT CONC URBAN
CO AVERTIME ANNUAL
CO POLLUTID OTHER
CO TERRHGTS FLAT
CO FLAGPOLE 1.2
CO RUNORNOT RUN
CO FINISHED

SO STARTING
SO ELEVUNIT METERS
SO LOCATION NCRA_S1 AREA -92.28 -98.64 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S2 AREA -28.64 -35.0 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S3 AREA 35.0 28.64 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S4 AREA 98.64 92.28 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S5 AREA 162.28 155.92 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO SRCPARAM NCRA_S1 2.110000E-08 4.953 9 90 -135 2.3
SO SRCPARAM NCRA_S2 2.110000E-08 4.953 9 90 -135 2.3
SO SRCPARAM NCRA_S3 2.110000E-08 4.953 9 90 -135 2.3
SO SRCPARAM NCRA_S4 2.110000E-08 4.953 9 90 -135 2.3
SO SRCPARAM NCRA_S5 2.110000E-08 4.953 9 90 -135 2.3
SO SRCGROUP NCRA_S1 NCRA_S1
SO SRCGROUP NCRA_S2 NCRA_S2
SO SRCGROUP NCRA_S3 NCRA_S3
SO SRCGROUP NCRA_S4 NCRA_S4
SO SRCGROUP NCRA_S5 NCRA_S5
SO SRCGROUP ALL
SO FINISHED

RE STARTING

| | | | |
|-------------|--------|--------|-----|
| RE DISCCART | 247.49 | 106.07 | 1.2 |
| RE DISCCART | 240.42 | 113.14 | 1.2 |
| RE DISCCART | 233.35 | 120.21 | 1.2 |
| RE DISCCART | 226.27 | 127.28 | 1.2 |
| RE DISCCART | 219.2 | 134.35 | 1.2 |
| RE DISCCART | 212.13 | 141.42 | 1.2 |
| RE DISCCART | 205.06 | 148.49 | 1.2 |
| RE DISCCART | 197.99 | 155.56 | 1.2 |
| RE DISCCART | 194.45 | 159.1 | 1.2 |
| RE DISCCART | 190.92 | 162.63 | 1.2 |
| RE DISCCART | 188.8 | 164.76 | 1.2 |
| RE DISCCART | 187.38 | 166.17 | 1.2 |
| RE DISCCART | 185.97 | 167.58 | 1.2 |
| RE DISCCART | 184.55 | 169.0 | 1.2 |
| RE DISCCART | 183.14 | 170.41 | 1.2 |
| RE DISCCART | 170.41 | 183.14 | 1.2 |
| RE DISCCART | 169.0 | 184.55 | 1.2 |
| RE DISCCART | 167.58 | 185.97 | 1.2 |
| RE DISCCART | 166.17 | 187.38 | 1.2 |
| RE DISCCART | 164.76 | 188.8 | 1.2 |
| RE DISCCART | 162.63 | 190.92 | 1.2 |
| RE DISCCART | 159.1 | 194.45 | 1.2 |
| RE DISCCART | 155.56 | 197.99 | 1.2 |
| RE DISCCART | 148.49 | 205.06 | 1.2 |
| RE DISCCART | 141.42 | 212.13 | 1.2 |
| RE DISCCART | 134.35 | 219.2 | 1.2 |
| RE DISCCART | 127.28 | 226.27 | 1.2 |
| RE DISCCART | 120.21 | 233.35 | 1.2 |
| RE DISCCART | 113.14 | 240.42 | 1.2 |
| RE DISCCART | 106.07 | 247.49 | 1.2 |
| RE DISCCART | 240.42 | 98.99 | 1.2 |
| RE DISCCART | 233.35 | 106.07 | 1.2 |
| RE DISCCART | 226.27 | 113.14 | 1.2 |
| RE DISCCART | 219.2 | 120.21 | 1.2 |
| RE DISCCART | 212.13 | 127.28 | 1.2 |
| RE DISCCART | 205.06 | 134.35 | 1.2 |
| RE DISCCART | 197.99 | 141.42 | 1.2 |
| RE DISCCART | 190.92 | 148.49 | 1.2 |
| RE DISCCART | 187.38 | 152.03 | 1.2 |
| RE DISCCART | 183.85 | 155.56 | 1.2 |
| RE DISCCART | 181.73 | 157.68 | 1.2 |
| RE DISCCART | 180.31 | 159.1 | 1.2 |
| RE DISCCART | 178.9 | 160.51 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 177.48 | 161.93 | 1.2 |
| RE DISCCART | 176.07 | 163.34 | 1.2 |
| RE DISCCART | 163.34 | 176.07 | 1.2 |
| RE DISCCART | 161.93 | 177.48 | 1.2 |
| RE DISCCART | 160.51 | 178.9 | 1.2 |
| RE DISCCART | 159.1 | 180.31 | 1.2 |
| RE DISCCART | 157.68 | 181.73 | 1.2 |
| RE DISCCART | 155.56 | 183.85 | 1.2 |
| RE DISCCART | 152.03 | 187.38 | 1.2 |
| RE DISCCART | 148.49 | 190.92 | 1.2 |
| RE DISCCART | 141.42 | 197.99 | 1.2 |
| RE DISCCART | 134.35 | 205.06 | 1.2 |
| RE DISCCART | 127.28 | 212.13 | 1.2 |
| RE DISCCART | 120.21 | 219.2 | 1.2 |
| RE DISCCART | 113.14 | 226.27 | 1.2 |
| RE DISCCART | 106.07 | 233.35 | 1.2 |
| RE DISCCART | 98.99 | 240.42 | 1.2 |
| RE DISCCART | 233.35 | 91.92 | 1.2 |
| RE DISCCART | 226.27 | 98.99 | 1.2 |
| RE DISCCART | 219.2 | 106.07 | 1.2 |
| RE DISCCART | 212.13 | 113.14 | 1.2 |
| RE DISCCART | 205.06 | 120.21 | 1.2 |
| RE DISCCART | 197.99 | 127.28 | 1.2 |
| RE DISCCART | 190.92 | 134.35 | 1.2 |
| RE DISCCART | 183.85 | 141.42 | 1.2 |
| RE DISCCART | 180.31 | 144.96 | 1.2 |
| RE DISCCART | 176.78 | 148.49 | 1.2 |
| RE DISCCART | 174.66 | 150.61 | 1.2 |
| RE DISCCART | 173.24 | 152.03 | 1.2 |
| RE DISCCART | 171.83 | 153.44 | 1.2 |
| RE DISCCART | 170.41 | 154.86 | 1.2 |
| RE DISCCART | 169.0 | 156.27 | 1.2 |
| RE DISCCART | 156.27 | 169.0 | 1.2 |
| RE DISCCART | 154.86 | 170.41 | 1.2 |
| RE DISCCART | 153.44 | 171.83 | 1.2 |
| RE DISCCART | 152.03 | 173.24 | 1.2 |
| RE DISCCART | 150.61 | 174.66 | 1.2 |
| RE DISCCART | 148.49 | 176.78 | 1.2 |
| RE DISCCART | 144.96 | 180.31 | 1.2 |
| RE DISCCART | 141.42 | 183.85 | 1.2 |
| RE DISCCART | 134.35 | 190.92 | 1.2 |
| RE DISCCART | 127.28 | 197.99 | 1.2 |
| RE DISCCART | 120.21 | 205.06 | 1.2 |
| RE DISCCART | 113.14 | 212.13 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 106.07 | 219.2 | 1.2 |
| RE DISCCART | 99.0 | 226.27 | 1.2 |
| RE DISCCART | 91.92 | 233.35 | 1.2 |
| RE DISCCART | 226.27 | 84.85 | 1.2 |
| RE DISCCART | 219.2 | 91.92 | 1.2 |
| RE DISCCART | 212.13 | 98.99 | 1.2 |
| RE DISCCART | 205.06 | 106.07 | 1.2 |
| RE DISCCART | 197.99 | 113.14 | 1.2 |
| RE DISCCART | 190.92 | 120.21 | 1.2 |
| RE DISCCART | 183.85 | 127.28 | 1.2 |
| RE DISCCART | 176.78 | 134.35 | 1.2 |
| RE DISCCART | 173.24 | 137.89 | 1.2 |
| RE DISCCART | 169.71 | 141.42 | 1.2 |
| RE DISCCART | 167.58 | 143.54 | 1.2 |
| RE DISCCART | 166.17 | 144.96 | 1.2 |
| RE DISCCART | 164.76 | 146.37 | 1.2 |
| RE DISCCART | 163.34 | 147.79 | 1.2 |
| RE DISCCART | 161.93 | 149.2 | 1.2 |
| RE DISCCART | 149.2 | 161.93 | 1.2 |
| RE DISCCART | 147.79 | 163.34 | 1.2 |
| RE DISCCART | 146.37 | 164.76 | 1.2 |
| RE DISCCART | 144.96 | 166.17 | 1.2 |
| RE DISCCART | 143.54 | 167.58 | 1.2 |
| RE DISCCART | 141.42 | 169.71 | 1.2 |
| RE DISCCART | 137.89 | 173.24 | 1.2 |
| RE DISCCART | 134.35 | 176.78 | 1.2 |
| RE DISCCART | 127.28 | 183.85 | 1.2 |
| RE DISCCART | 120.21 | 190.92 | 1.2 |
| RE DISCCART | 113.14 | 197.99 | 1.2 |
| RE DISCCART | 106.07 | 205.06 | 1.2 |
| RE DISCCART | 99.0 | 212.13 | 1.2 |
| RE DISCCART | 91.92 | 219.2 | 1.2 |
| RE DISCCART | 84.85 | 226.27 | 1.2 |
| RE DISCCART | 219.2 | 77.78 | 1.2 |
| RE DISCCART | 212.13 | 84.85 | 1.2 |
| RE DISCCART | 205.06 | 91.92 | 1.2 |
| RE DISCCART | 197.99 | 98.99 | 1.2 |
| RE DISCCART | 190.92 | 106.07 | 1.2 |
| RE DISCCART | 183.85 | 113.14 | 1.2 |
| RE DISCCART | 176.78 | 120.21 | 1.2 |
| RE DISCCART | 169.71 | 127.28 | 1.2 |
| RE DISCCART | 166.17 | 130.81 | 1.2 |
| RE DISCCART | 162.63 | 134.35 | 1.2 |
| RE DISCCART | 160.51 | 136.47 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 159.1 | 137.89 | 1.2 |
| RE DISCCART | 157.68 | 139.3 | 1.2 |
| RE DISCCART | 156.27 | 140.71 | 1.2 |
| RE DISCCART | 154.86 | 142.13 | 1.2 |
| RE DISCCART | 142.13 | 154.86 | 1.2 |
| RE DISCCART | 140.71 | 156.27 | 1.2 |
| RE DISCCART | 139.3 | 157.68 | 1.2 |
| RE DISCCART | 137.89 | 159.1 | 1.2 |
| RE DISCCART | 136.47 | 160.51 | 1.2 |
| RE DISCCART | 134.35 | 162.63 | 1.2 |
| RE DISCCART | 130.81 | 166.17 | 1.2 |
| RE DISCCART | 127.28 | 169.71 | 1.2 |
| RE DISCCART | 120.21 | 176.78 | 1.2 |
| RE DISCCART | 113.14 | 183.85 | 1.2 |
| RE DISCCART | 106.07 | 190.92 | 1.2 |
| RE DISCCART | 99.0 | 197.99 | 1.2 |
| RE DISCCART | 91.92 | 205.06 | 1.2 |
| RE DISCCART | 84.85 | 212.13 | 1.2 |
| RE DISCCART | 77.78 | 219.2 | 1.2 |
| RE DISCCART | 212.13 | 70.71 | 1.2 |
| RE DISCCART | 205.06 | 77.78 | 1.2 |
| RE DISCCART | 197.99 | 84.85 | 1.2 |
| RE DISCCART | 190.92 | 91.92 | 1.2 |
| RE DISCCART | 183.85 | 98.99 | 1.2 |
| RE DISCCART | 176.78 | 106.07 | 1.2 |
| RE DISCCART | 169.71 | 113.14 | 1.2 |
| RE DISCCART | 162.63 | 120.21 | 1.2 |
| RE DISCCART | 159.1 | 123.74 | 1.2 |
| RE DISCCART | 155.56 | 127.28 | 1.2 |
| RE DISCCART | 153.44 | 129.4 | 1.2 |
| RE DISCCART | 152.03 | 130.81 | 1.2 |
| RE DISCCART | 150.61 | 132.23 | 1.2 |
| RE DISCCART | 149.2 | 133.64 | 1.2 |
| RE DISCCART | 147.79 | 135.06 | 1.2 |
| RE DISCCART | 135.06 | 147.79 | 1.2 |
| RE DISCCART | 133.64 | 149.2 | 1.2 |
| RE DISCCART | 132.23 | 150.61 | 1.2 |
| RE DISCCART | 130.81 | 152.03 | 1.2 |
| RE DISCCART | 129.4 | 153.44 | 1.2 |
| RE DISCCART | 127.28 | 155.56 | 1.2 |
| RE DISCCART | 123.74 | 159.1 | 1.2 |
| RE DISCCART | 120.21 | 162.63 | 1.2 |
| RE DISCCART | 113.14 | 169.71 | 1.2 |
| RE DISCCART | 106.07 | 176.78 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 98.99 | 183.85 | 1.2 |
| RE DISCCART | 91.92 | 190.92 | 1.2 |
| RE DISCCART | 84.85 | 197.99 | 1.2 |
| RE DISCCART | 77.78 | 205.06 | 1.2 |
| RE DISCCART | 70.71 | 212.13 | 1.2 |
| RE DISCCART | 205.06 | 63.64 | 1.2 |
| RE DISCCART | 197.99 | 70.71 | 1.2 |
| RE DISCCART | 190.92 | 77.78 | 1.2 |
| RE DISCCART | 183.85 | 84.85 | 1.2 |
| RE DISCCART | 176.78 | 91.92 | 1.2 |
| RE DISCCART | 169.71 | 98.99 | 1.2 |
| RE DISCCART | 162.63 | 106.07 | 1.2 |
| RE DISCCART | 155.56 | 113.14 | 1.2 |
| RE DISCCART | 152.03 | 116.67 | 1.2 |
| RE DISCCART | 148.49 | 120.21 | 1.2 |
| RE DISCCART | 146.37 | 122.33 | 1.2 |
| RE DISCCART | 144.96 | 123.74 | 1.2 |
| RE DISCCART | 143.54 | 125.16 | 1.2 |
| RE DISCCART | 142.13 | 126.57 | 1.2 |
| RE DISCCART | 140.71 | 127.99 | 1.2 |
| RE DISCCART | 127.99 | 140.71 | 1.2 |
| RE DISCCART | 126.57 | 142.13 | 1.2 |
| RE DISCCART | 125.16 | 143.54 | 1.2 |
| RE DISCCART | 123.74 | 144.96 | 1.2 |
| RE DISCCART | 122.33 | 146.37 | 1.2 |
| RE DISCCART | 120.21 | 148.49 | 1.2 |
| RE DISCCART | 116.67 | 152.03 | 1.2 |
| RE DISCCART | 113.14 | 155.56 | 1.2 |
| RE DISCCART | 106.07 | 162.63 | 1.2 |
| RE DISCCART | 98.99 | 169.71 | 1.2 |
| RE DISCCART | 91.92 | 176.78 | 1.2 |
| RE DISCCART | 84.85 | 183.85 | 1.2 |
| RE DISCCART | 77.78 | 190.92 | 1.2 |
| RE DISCCART | 70.71 | 197.99 | 1.2 |
| RE DISCCART | 63.64 | 205.06 | 1.2 |
| RE DISCCART | 197.99 | 56.57 | 1.2 |
| RE DISCCART | 190.92 | 63.64 | 1.2 |
| RE DISCCART | 183.85 | 70.71 | 1.2 |
| RE DISCCART | 176.78 | 77.78 | 1.2 |
| RE DISCCART | 169.71 | 84.85 | 1.2 |
| RE DISCCART | 162.63 | 91.92 | 1.2 |
| RE DISCCART | 155.56 | 98.99 | 1.2 |
| RE DISCCART | 148.49 | 106.07 | 1.2 |
| RE DISCCART | 144.96 | 109.6 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 141.42 | 113.14 | 1.2 |
| RE DISCCART | 139.3 | 115.26 | 1.2 |
| RE DISCCART | 137.89 | 116.67 | 1.2 |
| RE DISCCART | 136.47 | 118.09 | 1.2 |
| RE DISCCART | 135.06 | 119.5 | 1.2 |
| RE DISCCART | 133.64 | 120.92 | 1.2 |
| RE DISCCART | 120.92 | 133.64 | 1.2 |
| RE DISCCART | 119.5 | 135.06 | 1.2 |
| RE DISCCART | 118.09 | 136.47 | 1.2 |
| RE DISCCART | 116.67 | 137.89 | 1.2 |
| RE DISCCART | 115.26 | 139.3 | 1.2 |
| RE DISCCART | 113.14 | 141.42 | 1.2 |
| RE DISCCART | 109.6 | 144.96 | 1.2 |
| RE DISCCART | 106.07 | 148.49 | 1.2 |
| RE DISCCART | 98.99 | 155.56 | 1.2 |
| RE DISCCART | 91.92 | 162.63 | 1.2 |
| RE DISCCART | 84.85 | 169.71 | 1.2 |
| RE DISCCART | 77.78 | 176.78 | 1.2 |
| RE DISCCART | 70.71 | 183.85 | 1.2 |
| RE DISCCART | 63.64 | 190.92 | 1.2 |
| RE DISCCART | 56.57 | 197.99 | 1.2 |
| RE DISCCART | 190.92 | 49.5 | 1.2 |
| RE DISCCART | 183.85 | 56.57 | 1.2 |
| RE DISCCART | 176.78 | 63.64 | 1.2 |
| RE DISCCART | 169.71 | 70.71 | 1.2 |
| RE DISCCART | 162.63 | 77.78 | 1.2 |
| RE DISCCART | 155.56 | 84.85 | 1.2 |
| RE DISCCART | 148.49 | 91.92 | 1.2 |
| RE DISCCART | 141.42 | 98.99 | 1.2 |
| RE DISCCART | 137.89 | 102.53 | 1.2 |
| RE DISCCART | 134.35 | 106.07 | 1.2 |
| RE DISCCART | 132.23 | 108.19 | 1.2 |
| RE DISCCART | 130.81 | 109.6 | 1.2 |
| RE DISCCART | 129.4 | 111.02 | 1.2 |
| RE DISCCART | 127.99 | 112.43 | 1.2 |
| RE DISCCART | 126.57 | 113.84 | 1.2 |
| RE DISCCART | 113.84 | 126.57 | 1.2 |
| RE DISCCART | 112.43 | 127.99 | 1.2 |
| RE DISCCART | 111.02 | 129.4 | 1.2 |
| RE DISCCART | 109.6 | 130.81 | 1.2 |
| RE DISCCART | 108.19 | 132.23 | 1.2 |
| RE DISCCART | 106.07 | 134.35 | 1.2 |
| RE DISCCART | 102.53 | 137.89 | 1.2 |
| RE DISCCART | 98.99 | 141.42 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 91.92 | 148.49 | 1.2 |
| RE DISCCART | 84.85 | 155.56 | 1.2 |
| RE DISCCART | 77.78 | 162.63 | 1.2 |
| RE DISCCART | 70.71 | 169.71 | 1.2 |
| RE DISCCART | 63.64 | 176.78 | 1.2 |
| RE DISCCART | 56.57 | 183.85 | 1.2 |
| RE DISCCART | 49.5 | 190.92 | 1.2 |
| RE DISCCART | 183.85 | 42.43 | 1.2 |
| RE DISCCART | 176.78 | 49.5 | 1.2 |
| RE DISCCART | 169.71 | 56.57 | 1.2 |
| RE DISCCART | 162.63 | 63.64 | 1.2 |
| RE DISCCART | 155.56 | 70.71 | 1.2 |
| RE DISCCART | 148.49 | 77.78 | 1.2 |
| RE DISCCART | 141.42 | 84.85 | 1.2 |
| RE DISCCART | 134.35 | 91.92 | 1.2 |
| RE DISCCART | 130.81 | 95.46 | 1.2 |
| RE DISCCART | 127.28 | 98.99 | 1.2 |
| RE DISCCART | 125.16 | 101.12 | 1.2 |
| RE DISCCART | 123.74 | 102.53 | 1.2 |
| RE DISCCART | 122.33 | 103.94 | 1.2 |
| RE DISCCART | 120.92 | 105.36 | 1.2 |
| RE DISCCART | 119.5 | 106.77 | 1.2 |
| RE DISCCART | 106.77 | 119.5 | 1.2 |
| RE DISCCART | 105.36 | 120.92 | 1.2 |
| RE DISCCART | 103.94 | 122.33 | 1.2 |
| RE DISCCART | 102.53 | 123.74 | 1.2 |
| RE DISCCART | 101.12 | 125.16 | 1.2 |
| RE DISCCART | 98.99 | 127.28 | 1.2 |
| RE DISCCART | 95.46 | 130.81 | 1.2 |
| RE DISCCART | 91.92 | 134.35 | 1.2 |
| RE DISCCART | 84.85 | 141.42 | 1.2 |
| RE DISCCART | 77.78 | 148.49 | 1.2 |
| RE DISCCART | 70.71 | 155.56 | 1.2 |
| RE DISCCART | 63.64 | 162.63 | 1.2 |
| RE DISCCART | 56.57 | 169.71 | 1.2 |
| RE DISCCART | 49.5 | 176.78 | 1.2 |
| RE DISCCART | 42.43 | 183.85 | 1.2 |
| RE DISCCART | 176.78 | 35.36 | 1.2 |
| RE DISCCART | 169.71 | 42.43 | 1.2 |
| RE DISCCART | 162.63 | 49.5 | 1.2 |
| RE DISCCART | 155.56 | 56.57 | 1.2 |
| RE DISCCART | 148.49 | 63.64 | 1.2 |
| RE DISCCART | 141.42 | 70.71 | 1.2 |
| RE DISCCART | 134.35 | 77.78 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 127.28 | 84.85 | 1.2 |
| RE DISCCART | 123.74 | 88.39 | 1.2 |
| RE DISCCART | 120.21 | 91.92 | 1.2 |
| RE DISCCART | 118.09 | 94.05 | 1.2 |
| RE DISCCART | 116.67 | 95.46 | 1.2 |
| RE DISCCART | 115.26 | 96.87 | 1.2 |
| RE DISCCART | 113.84 | 98.29 | 1.2 |
| RE DISCCART | 112.43 | 99.7 | 1.2 |
| RE DISCCART | 99.7 | 112.43 | 1.2 |
| RE DISCCART | 98.29 | 113.84 | 1.2 |
| RE DISCCART | 96.87 | 115.26 | 1.2 |
| RE DISCCART | 95.46 | 116.67 | 1.2 |
| RE DISCCART | 94.05 | 118.09 | 1.2 |
| RE DISCCART | 91.92 | 120.21 | 1.2 |
| RE DISCCART | 88.39 | 123.74 | 1.2 |
| RE DISCCART | 84.85 | 127.28 | 1.2 |
| RE DISCCART | 77.78 | 134.35 | 1.2 |
| RE DISCCART | 70.71 | 141.42 | 1.2 |
| RE DISCCART | 63.64 | 148.49 | 1.2 |
| RE DISCCART | 56.57 | 155.56 | 1.2 |
| RE DISCCART | 49.5 | 162.63 | 1.2 |
| RE DISCCART | 42.43 | 169.71 | 1.2 |
| RE DISCCART | 35.36 | 176.78 | 1.2 |
| RE DISCCART | 169.71 | 28.28 | 1.2 |
| RE DISCCART | 162.63 | 35.36 | 1.2 |
| RE DISCCART | 155.56 | 42.43 | 1.2 |
| RE DISCCART | 148.49 | 49.5 | 1.2 |
| RE DISCCART | 141.42 | 56.57 | 1.2 |
| RE DISCCART | 134.35 | 63.64 | 1.2 |
| RE DISCCART | 127.28 | 70.71 | 1.2 |
| RE DISCCART | 120.21 | 77.78 | 1.2 |
| RE DISCCART | 116.67 | 81.32 | 1.2 |
| RE DISCCART | 113.14 | 84.85 | 1.2 |
| RE DISCCART | 111.02 | 86.97 | 1.2 |
| RE DISCCART | 109.6 | 88.39 | 1.2 |
| RE DISCCART | 108.19 | 89.8 | 1.2 |
| RE DISCCART | 106.77 | 91.22 | 1.2 |
| RE DISCCART | 105.36 | 92.63 | 1.2 |
| RE DISCCART | 92.63 | 105.36 | 1.2 |
| RE DISCCART | 91.22 | 106.77 | 1.2 |
| RE DISCCART | 89.8 | 108.19 | 1.2 |
| RE DISCCART | 88.39 | 109.6 | 1.2 |
| RE DISCCART | 86.97 | 111.02 | 1.2 |
| RE DISCCART | 84.85 | 113.14 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 81.32 | 116.67 | 1.2 |
| RE DISCCART | 77.78 | 120.21 | 1.2 |
| RE DISCCART | 70.71 | 127.28 | 1.2 |
| RE DISCCART | 63.64 | 134.35 | 1.2 |
| RE DISCCART | 56.57 | 141.42 | 1.2 |
| RE DISCCART | 49.5 | 148.49 | 1.2 |
| RE DISCCART | 42.43 | 155.56 | 1.2 |
| RE DISCCART | 35.36 | 162.63 | 1.2 |
| RE DISCCART | 28.28 | 169.71 | 1.2 |
| RE DISCCART | 162.63 | 21.21 | 1.2 |
| RE DISCCART | 155.56 | 28.28 | 1.2 |
| RE DISCCART | 148.49 | 35.36 | 1.2 |
| RE DISCCART | 141.42 | 42.43 | 1.2 |
| RE DISCCART | 134.35 | 49.5 | 1.2 |
| RE DISCCART | 127.28 | 56.57 | 1.2 |
| RE DISCCART | 120.21 | 63.64 | 1.2 |
| RE DISCCART | 113.14 | 70.71 | 1.2 |
| RE DISCCART | 109.6 | 74.25 | 1.2 |
| RE DISCCART | 106.07 | 77.78 | 1.2 |
| RE DISCCART | 103.94 | 79.9 | 1.2 |
| RE DISCCART | 102.53 | 81.32 | 1.2 |
| RE DISCCART | 101.12 | 82.73 | 1.2 |
| RE DISCCART | 99.7 | 84.15 | 1.2 |
| RE DISCCART | 98.29 | 85.56 | 1.2 |
| RE DISCCART | 85.56 | 98.29 | 1.2 |
| RE DISCCART | 84.15 | 99.7 | 1.2 |
| RE DISCCART | 82.73 | 101.12 | 1.2 |
| RE DISCCART | 81.32 | 102.53 | 1.2 |
| RE DISCCART | 79.9 | 103.94 | 1.2 |
| RE DISCCART | 77.78 | 106.07 | 1.2 |
| RE DISCCART | 74.25 | 109.6 | 1.2 |
| RE DISCCART | 70.71 | 113.14 | 1.2 |
| RE DISCCART | 63.64 | 120.21 | 1.2 |
| RE DISCCART | 56.57 | 127.28 | 1.2 |
| RE DISCCART | 49.5 | 134.35 | 1.2 |
| RE DISCCART | 42.43 | 141.42 | 1.2 |
| RE DISCCART | 35.36 | 148.49 | 1.2 |
| RE DISCCART | 28.28 | 155.56 | 1.2 |
| RE DISCCART | 21.21 | 162.63 | 1.2 |
| RE DISCCART | 155.56 | 14.14 | 1.2 |
| RE DISCCART | 148.49 | 21.21 | 1.2 |
| RE DISCCART | 141.42 | 28.28 | 1.2 |
| RE DISCCART | 134.35 | 35.36 | 1.2 |
| RE DISCCART | 127.28 | 42.43 | 1.2 |

| | | | |
|-------------|--------|--------|-----|
| RE DISCCART | 120.21 | 49.5 | 1.2 |
| RE DISCCART | 113.14 | 56.57 | 1.2 |
| RE DISCCART | 106.07 | 63.64 | 1.2 |
| RE DISCCART | 102.53 | 67.18 | 1.2 |
| RE DISCCART | 98.99 | 70.71 | 1.2 |
| RE DISCCART | 96.87 | 72.83 | 1.2 |
| RE DISCCART | 95.46 | 74.25 | 1.2 |
| RE DISCCART | 94.05 | 75.66 | 1.2 |
| RE DISCCART | 92.63 | 77.07 | 1.2 |
| RE DISCCART | 91.22 | 78.49 | 1.2 |
| RE DISCCART | 78.49 | 91.22 | 1.2 |
| RE DISCCART | 77.07 | 92.63 | 1.2 |
| RE DISCCART | 75.66 | 94.05 | 1.2 |
| RE DISCCART | 74.25 | 95.46 | 1.2 |
| RE DISCCART | 72.83 | 96.87 | 1.2 |
| RE DISCCART | 70.71 | 98.99 | 1.2 |
| RE DISCCART | 67.18 | 102.53 | 1.2 |
| RE DISCCART | 63.64 | 106.07 | 1.2 |
| RE DISCCART | 56.57 | 113.14 | 1.2 |
| RE DISCCART | 49.5 | 120.21 | 1.2 |
| RE DISCCART | 42.43 | 127.28 | 1.2 |
| RE DISCCART | 35.36 | 134.35 | 1.2 |
| RE DISCCART | 28.28 | 141.42 | 1.2 |
| RE DISCCART | 21.21 | 148.49 | 1.2 |
| RE DISCCART | 14.14 | 155.56 | 1.2 |
| RE DISCCART | 148.49 | 7.07 | 1.2 |
| RE DISCCART | 141.42 | 14.14 | 1.2 |
| RE DISCCART | 134.35 | 21.21 | 1.2 |
| RE DISCCART | 127.28 | 28.28 | 1.2 |
| RE DISCCART | 120.21 | 35.36 | 1.2 |
| RE DISCCART | 113.14 | 42.43 | 1.2 |
| RE DISCCART | 106.07 | 49.5 | 1.2 |
| RE DISCCART | 98.99 | 56.57 | 1.2 |
| RE DISCCART | 95.46 | 60.1 | 1.2 |
| RE DISCCART | 91.92 | 63.64 | 1.2 |
| RE DISCCART | 89.8 | 65.76 | 1.2 |
| RE DISCCART | 88.39 | 67.18 | 1.2 |
| RE DISCCART | 86.97 | 68.59 | 1.2 |
| RE DISCCART | 85.56 | 70.0 | 1.2 |
| RE DISCCART | 84.15 | 71.42 | 1.2 |
| RE DISCCART | 71.42 | 84.15 | 1.2 |
| RE DISCCART | 70.0 | 85.56 | 1.2 |
| RE DISCCART | 68.59 | 86.97 | 1.2 |
| RE DISCCART | 67.18 | 88.39 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 65.76 | 89.8 | 1.2 |
| RE DISCCART | 63.64 | 91.92 | 1.2 |
| RE DISCCART | 60.1 | 95.46 | 1.2 |
| RE DISCCART | 56.57 | 98.99 | 1.2 |
| RE DISCCART | 49.5 | 106.07 | 1.2 |
| RE DISCCART | 42.43 | 113.14 | 1.2 |
| RE DISCCART | 35.36 | 120.21 | 1.2 |
| RE DISCCART | 28.28 | 127.28 | 1.2 |
| RE DISCCART | 21.21 | 134.35 | 1.2 |
| RE DISCCART | 14.14 | 141.42 | 1.2 |
| RE DISCCART | 7.07 | 148.49 | 1.2 |
| RE DISCCART | 141.42 | 0.0 | 1.2 |
| RE DISCCART | 134.35 | 7.07 | 1.2 |
| RE DISCCART | 127.28 | 14.14 | 1.2 |
| RE DISCCART | 120.21 | 21.21 | 1.2 |
| RE DISCCART | 113.14 | 28.28 | 1.2 |
| RE DISCCART | 106.07 | 35.36 | 1.2 |
| RE DISCCART | 98.99 | 42.43 | 1.2 |
| RE DISCCART | 91.92 | 49.5 | 1.2 |
| RE DISCCART | 88.39 | 53.03 | 1.2 |
| RE DISCCART | 84.85 | 56.57 | 1.2 |
| RE DISCCART | 82.73 | 58.69 | 1.2 |
| RE DISCCART | 81.32 | 60.1 | 1.2 |
| RE DISCCART | 79.9 | 61.52 | 1.2 |
| RE DISCCART | 78.49 | 62.93 | 1.2 |
| RE DISCCART | 77.07 | 64.35 | 1.2 |
| RE DISCCART | 64.35 | 77.07 | 1.2 |
| RE DISCCART | 62.93 | 78.49 | 1.2 |
| RE DISCCART | 61.52 | 79.9 | 1.2 |
| RE DISCCART | 60.1 | 81.32 | 1.2 |
| RE DISCCART | 58.69 | 82.73 | 1.2 |
| RE DISCCART | 56.57 | 84.85 | 1.2 |
| RE DISCCART | 53.03 | 88.39 | 1.2 |
| RE DISCCART | 49.5 | 91.92 | 1.2 |
| RE DISCCART | 42.43 | 98.99 | 1.2 |
| RE DISCCART | 35.36 | 106.07 | 1.2 |
| RE DISCCART | 28.28 | 113.14 | 1.2 |
| RE DISCCART | 21.21 | 120.21 | 1.2 |
| RE DISCCART | 14.14 | 127.28 | 1.2 |
| RE DISCCART | 7.07 | 134.35 | 1.2 |
| RE DISCCART | 0.0 | 141.42 | 1.2 |
| RE DISCCART | 134.35 | -7.07 | 1.2 |
| RE DISCCART | 127.28 | 0.0 | 1.2 |
| RE DISCCART | 120.21 | 7.07 | 1.2 |

| | | | |
|-------------|--------|--------|-----|
| RE DISCCART | 113.14 | 14.14 | 1.2 |
| RE DISCCART | 106.07 | 21.21 | 1.2 |
| RE DISCCART | 98.99 | 28.28 | 1.2 |
| RE DISCCART | 91.92 | 35.36 | 1.2 |
| RE DISCCART | 84.85 | 42.43 | 1.2 |
| RE DISCCART | 81.32 | 45.96 | 1.2 |
| RE DISCCART | 77.78 | 49.5 | 1.2 |
| RE DISCCART | 75.66 | 51.62 | 1.2 |
| RE DISCCART | 74.25 | 53.03 | 1.2 |
| RE DISCCART | 72.83 | 54.45 | 1.2 |
| RE DISCCART | 71.42 | 55.86 | 1.2 |
| RE DISCCART | 70.0 | 57.28 | 1.2 |
| RE DISCCART | 57.28 | 70.0 | 1.2 |
| RE DISCCART | 55.86 | 71.42 | 1.2 |
| RE DISCCART | 54.45 | 72.83 | 1.2 |
| RE DISCCART | 53.03 | 74.25 | 1.2 |
| RE DISCCART | 51.62 | 75.66 | 1.2 |
| RE DISCCART | 49.5 | 77.78 | 1.2 |
| RE DISCCART | 45.96 | 81.32 | 1.2 |
| RE DISCCART | 42.43 | 84.85 | 1.2 |
| RE DISCCART | 35.36 | 91.92 | 1.2 |
| RE DISCCART | 28.28 | 98.99 | 1.2 |
| RE DISCCART | 21.21 | 106.07 | 1.2 |
| RE DISCCART | 14.14 | 113.14 | 1.2 |
| RE DISCCART | 7.07 | 120.21 | 1.2 |
| RE DISCCART | 0.0 | 127.28 | 1.2 |
| RE DISCCART | -7.07 | 134.35 | 1.2 |
| RE DISCCART | 127.28 | -14.14 | 1.2 |
| RE DISCCART | 120.21 | -7.07 | 1.2 |
| RE DISCCART | 113.14 | 0.0 | 1.2 |
| RE DISCCART | 106.07 | 7.07 | 1.2 |
| RE DISCCART | 98.99 | 14.14 | 1.2 |
| RE DISCCART | 91.92 | 21.21 | 1.2 |
| RE DISCCART | 84.85 | 28.28 | 1.2 |
| RE DISCCART | 77.78 | 35.36 | 1.2 |
| RE DISCCART | 74.25 | 38.89 | 1.2 |
| RE DISCCART | 70.71 | 42.43 | 1.2 |
| RE DISCCART | 68.59 | 44.55 | 1.2 |
| RE DISCCART | 67.18 | 45.96 | 1.2 |
| RE DISCCART | 65.76 | 47.38 | 1.2 |
| RE DISCCART | 64.35 | 48.79 | 1.2 |
| RE DISCCART | 62.93 | 50.2 | 1.2 |
| RE DISCCART | 50.2 | 62.93 | 1.2 |
| RE DISCCART | 48.79 | 64.35 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 47.38 | 65.76 | 1.2 |
| RE DISCCART | 45.96 | 67.18 | 1.2 |
| RE DISCCART | 44.55 | 68.59 | 1.2 |
| RE DISCCART | 42.43 | 70.71 | 1.2 |
| RE DISCCART | 38.89 | 74.25 | 1.2 |
| RE DISCCART | 35.36 | 77.78 | 1.2 |
| RE DISCCART | 28.28 | 84.85 | 1.2 |
| RE DISCCART | 21.21 | 91.92 | 1.2 |
| RE DISCCART | 14.14 | 98.99 | 1.2 |
| RE DISCCART | 7.07 | 106.07 | 1.2 |
| RE DISCCART | 0.0 | 113.14 | 1.2 |
| RE DISCCART | -7.07 | 120.21 | 1.2 |
| RE DISCCART | -14.14 | 127.28 | 1.2 |
| RE DISCCART | 120.21 | -21.21 | 1.2 |
| RE DISCCART | 113.14 | -14.14 | 1.2 |
| RE DISCCART | 106.07 | -7.07 | 1.2 |
| RE DISCCART | 98.99 | 0.0 | 1.2 |
| RE DISCCART | 91.92 | 7.07 | 1.2 |
| RE DISCCART | 84.85 | 14.14 | 1.2 |
| RE DISCCART | 77.78 | 21.21 | 1.2 |
| RE DISCCART | 70.71 | 28.28 | 1.2 |
| RE DISCCART | 67.18 | 31.82 | 1.2 |
| RE DISCCART | 63.64 | 35.36 | 1.2 |
| RE DISCCART | 61.52 | 37.48 | 1.2 |
| RE DISCCART | 60.1 | 38.89 | 1.2 |
| RE DISCCART | 58.69 | 40.31 | 1.2 |
| RE DISCCART | 57.28 | 41.72 | 1.2 |
| RE DISCCART | 55.86 | 43.13 | 1.2 |
| RE DISCCART | 43.13 | 55.86 | 1.2 |
| RE DISCCART | 41.72 | 57.28 | 1.2 |
| RE DISCCART | 40.31 | 58.69 | 1.2 |
| RE DISCCART | 38.89 | 60.1 | 1.2 |
| RE DISCCART | 37.48 | 61.52 | 1.2 |
| RE DISCCART | 35.36 | 63.64 | 1.2 |
| RE DISCCART | 31.82 | 67.18 | 1.2 |
| RE DISCCART | 28.28 | 70.71 | 1.2 |
| RE DISCCART | 21.21 | 77.78 | 1.2 |
| RE DISCCART | 14.14 | 84.85 | 1.2 |
| RE DISCCART | 7.07 | 91.92 | 1.2 |
| RE DISCCART | 0.0 | 98.99 | 1.2 |
| RE DISCCART | -7.07 | 106.07 | 1.2 |
| RE DISCCART | -14.14 | 113.14 | 1.2 |
| RE DISCCART | -21.21 | 120.21 | 1.2 |
| RE DISCCART | 113.14 | -28.28 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 106.07 | -21.21 | 1.2 |
| RE DISCCART | 98.99 | -14.14 | 1.2 |
| RE DISCCART | 91.92 | -7.07 | 1.2 |
| RE DISCCART | 84.85 | 0.0 | 1.2 |
| RE DISCCART | 77.78 | 7.07 | 1.2 |
| RE DISCCART | 70.71 | 14.14 | 1.2 |
| RE DISCCART | 63.64 | 21.21 | 1.2 |
| RE DISCCART | 60.1 | 24.75 | 1.2 |
| RE DISCCART | 56.57 | 28.28 | 1.2 |
| RE DISCCART | 54.45 | 30.41 | 1.2 |
| RE DISCCART | 53.03 | 31.82 | 1.2 |
| RE DISCCART | 51.62 | 33.23 | 1.2 |
| RE DISCCART | 50.2 | 34.65 | 1.2 |
| RE DISCCART | 48.79 | 36.06 | 1.2 |
| RE DISCCART | 36.06 | 48.79 | 1.2 |
| RE DISCCART | 34.65 | 50.2 | 1.2 |
| RE DISCCART | 33.23 | 51.62 | 1.2 |
| RE DISCCART | 31.82 | 53.03 | 1.2 |
| RE DISCCART | 30.41 | 54.45 | 1.2 |
| RE DISCCART | 28.28 | 56.57 | 1.2 |
| RE DISCCART | 24.75 | 60.1 | 1.2 |
| RE DISCCART | 21.21 | 63.64 | 1.2 |
| RE DISCCART | 14.14 | 70.71 | 1.2 |
| RE DISCCART | 7.07 | 77.78 | 1.2 |
| RE DISCCART | 0.0 | 84.85 | 1.2 |
| RE DISCCART | -7.07 | 91.92 | 1.2 |
| RE DISCCART | -14.14 | 98.99 | 1.2 |
| RE DISCCART | -21.21 | 106.07 | 1.2 |
| RE DISCCART | -28.28 | 113.14 | 1.2 |
| RE DISCCART | 106.07 | -35.36 | 1.2 |
| RE DISCCART | 98.99 | -28.28 | 1.2 |
| RE DISCCART | 91.92 | -21.21 | 1.2 |
| RE DISCCART | 84.85 | -14.14 | 1.2 |
| RE DISCCART | 77.78 | -7.07 | 1.2 |
| RE DISCCART | 70.71 | 0.0 | 1.2 |
| RE DISCCART | 63.64 | 7.07 | 1.2 |
| RE DISCCART | 56.57 | 14.14 | 1.2 |
| RE DISCCART | 53.03 | 17.68 | 1.2 |
| RE DISCCART | 49.5 | 21.21 | 1.2 |
| RE DISCCART | 47.38 | 23.33 | 1.2 |
| RE DISCCART | 45.96 | 24.75 | 1.2 |
| RE DISCCART | 44.55 | 26.16 | 1.2 |
| RE DISCCART | 43.13 | 27.58 | 1.2 |
| RE DISCCART | 41.72 | 28.99 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 28.99 | 41.72 | 1.2 |
| RE DISCCART | 27.58 | 43.13 | 1.2 |
| RE DISCCART | 26.16 | 44.55 | 1.2 |
| RE DISCCART | 24.75 | 45.96 | 1.2 |
| RE DISCCART | 23.33 | 47.38 | 1.2 |
| RE DISCCART | 21.21 | 49.5 | 1.2 |
| RE DISCCART | 17.68 | 53.03 | 1.2 |
| RE DISCCART | 14.14 | 56.57 | 1.2 |
| RE DISCCART | 7.07 | 63.64 | 1.2 |
| RE DISCCART | 0.0 | 70.71 | 1.2 |
| RE DISCCART | -7.07 | 77.78 | 1.2 |
| RE DISCCART | -14.14 | 84.85 | 1.2 |
| RE DISCCART | -21.21 | 91.92 | 1.2 |
| RE DISCCART | -28.28 | 98.99 | 1.2 |
| RE DISCCART | -35.36 | 106.07 | 1.2 |
| RE DISCCART | 98.99 | -42.43 | 1.2 |
| RE DISCCART | 91.92 | -35.36 | 1.2 |
| RE DISCCART | 84.85 | -28.28 | 1.2 |
| RE DISCCART | 77.78 | -21.21 | 1.2 |
| RE DISCCART | 70.71 | -14.14 | 1.2 |
| RE DISCCART | 63.64 | -7.07 | 1.2 |
| RE DISCCART | 56.57 | 0.0 | 1.2 |
| RE DISCCART | 49.5 | 7.07 | 1.2 |
| RE DISCCART | 45.96 | 10.61 | 1.2 |
| RE DISCCART | 42.43 | 14.14 | 1.2 |
| RE DISCCART | 40.31 | 16.26 | 1.2 |
| RE DISCCART | 38.89 | 17.68 | 1.2 |
| RE DISCCART | 37.48 | 19.09 | 1.2 |
| RE DISCCART | 36.06 | 20.51 | 1.2 |
| RE DISCCART | 34.65 | 21.92 | 1.2 |
| RE DISCCART | 21.92 | 34.65 | 1.2 |
| RE DISCCART | 20.51 | 36.06 | 1.2 |
| RE DISCCART | 19.09 | 37.48 | 1.2 |
| RE DISCCART | 17.68 | 38.89 | 1.2 |
| RE DISCCART | 16.26 | 40.31 | 1.2 |
| RE DISCCART | 14.14 | 42.43 | 1.2 |
| RE DISCCART | 10.61 | 45.96 | 1.2 |
| RE DISCCART | 7.07 | 49.5 | 1.2 |
| RE DISCCART | 0.0 | 56.57 | 1.2 |
| RE DISCCART | -7.07 | 63.64 | 1.2 |
| RE DISCCART | -14.14 | 70.71 | 1.2 |
| RE DISCCART | -21.21 | 77.78 | 1.2 |
| RE DISCCART | -28.28 | 84.85 | 1.2 |
| RE DISCCART | -35.36 | 91.92 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | -42.43 | 98.99 | 1.2 |
| RE DISCCART | 91.92 | -49.5 | 1.2 |
| RE DISCCART | 84.85 | -42.43 | 1.2 |
| RE DISCCART | 77.78 | -35.36 | 1.2 |
| RE DISCCART | 70.71 | -28.28 | 1.2 |
| RE DISCCART | 63.64 | -21.21 | 1.2 |
| RE DISCCART | 56.57 | -14.14 | 1.2 |
| RE DISCCART | 49.5 | -7.07 | 1.2 |
| RE DISCCART | 42.43 | 0.0 | 1.2 |
| RE DISCCART | 38.89 | 3.54 | 1.2 |
| RE DISCCART | 35.36 | 7.07 | 1.2 |
| RE DISCCART | 33.23 | 9.19 | 1.2 |
| RE DISCCART | 31.82 | 10.61 | 1.2 |
| RE DISCCART | 30.41 | 12.02 | 1.2 |
| RE DISCCART | 28.99 | 13.44 | 1.2 |
| RE DISCCART | 27.58 | 14.85 | 1.2 |
| RE DISCCART | 14.85 | 27.58 | 1.2 |
| RE DISCCART | 13.44 | 28.99 | 1.2 |
| RE DISCCART | 12.02 | 30.41 | 1.2 |
| RE DISCCART | 10.61 | 31.82 | 1.2 |
| RE DISCCART | 9.19 | 33.23 | 1.2 |
| RE DISCCART | 7.07 | 35.36 | 1.2 |
| RE DISCCART | 3.54 | 38.89 | 1.2 |
| RE DISCCART | 0.0 | 42.43 | 1.2 |
| RE DISCCART | -7.07 | 49.5 | 1.2 |
| RE DISCCART | -14.14 | 56.57 | 1.2 |
| RE DISCCART | -21.21 | 63.64 | 1.2 |
| RE DISCCART | -28.28 | 70.71 | 1.2 |
| RE DISCCART | -35.36 | 77.78 | 1.2 |
| RE DISCCART | -42.43 | 84.85 | 1.2 |
| RE DISCCART | -49.5 | 91.92 | 1.2 |
| RE DISCCART | 84.85 | -56.57 | 1.2 |
| RE DISCCART | 77.78 | -49.5 | 1.2 |
| RE DISCCART | 70.71 | -42.43 | 1.2 |
| RE DISCCART | 63.64 | -35.36 | 1.2 |
| RE DISCCART | 56.57 | -28.28 | 1.2 |
| RE DISCCART | 49.5 | -21.21 | 1.2 |
| RE DISCCART | 42.43 | -14.14 | 1.2 |
| RE DISCCART | 35.36 | -7.07 | 1.2 |
| RE DISCCART | 31.82 | -3.54 | 1.2 |
| RE DISCCART | 28.28 | 0.0 | 1.2 |
| RE DISCCART | 26.16 | 2.12 | 1.2 |
| RE DISCCART | 24.75 | 3.54 | 1.2 |
| RE DISCCART | 23.33 | 4.95 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 21.92 | 6.36 | 1.2 |
| RE DISCCART | 20.51 | 7.78 | 1.2 |
| RE DISCCART | 7.78 | 20.51 | 1.2 |
| RE DISCCART | 6.36 | 21.92 | 1.2 |
| RE DISCCART | 4.95 | 23.33 | 1.2 |
| RE DISCCART | 3.54 | 24.75 | 1.2 |
| RE DISCCART | 2.12 | 26.16 | 1.2 |
| RE DISCCART | 0.0 | 28.28 | 1.2 |
| RE DISCCART | -3.54 | 31.82 | 1.2 |
| RE DISCCART | -7.07 | 35.36 | 1.2 |
| RE DISCCART | -14.14 | 42.43 | 1.2 |
| RE DISCCART | -21.21 | 49.5 | 1.2 |
| RE DISCCART | -28.28 | 56.57 | 1.2 |
| RE DISCCART | -35.36 | 63.64 | 1.2 |
| RE DISCCART | -42.43 | 70.71 | 1.2 |
| RE DISCCART | -49.5 | 77.78 | 1.2 |
| RE DISCCART | -56.57 | 84.85 | 1.2 |
| RE DISCCART | 77.78 | -63.64 | 1.2 |
| RE DISCCART | 70.71 | -56.57 | 1.2 |
| RE DISCCART | 63.64 | -49.5 | 1.2 |
| RE DISCCART | 56.57 | -42.43 | 1.2 |
| RE DISCCART | 49.5 | -35.36 | 1.2 |
| RE DISCCART | 42.43 | -28.28 | 1.2 |
| RE DISCCART | 35.36 | -21.21 | 1.2 |
| RE DISCCART | 28.28 | -14.14 | 1.2 |
| RE DISCCART | 24.75 | -10.61 | 1.2 |
| RE DISCCART | 21.21 | -7.07 | 1.2 |
| RE DISCCART | 19.09 | -4.95 | 1.2 |
| RE DISCCART | 17.68 | -3.54 | 1.2 |
| RE DISCCART | 16.26 | -2.12 | 1.2 |
| RE DISCCART | 14.85 | -0.71 | 1.2 |
| RE DISCCART | 13.44 | 0.71 | 1.2 |
| RE DISCCART | 0.71 | 13.44 | 1.2 |
| RE DISCCART | -0.71 | 14.85 | 1.2 |
| RE DISCCART | -2.12 | 16.26 | 1.2 |
| RE DISCCART | -3.54 | 17.68 | 1.2 |
| RE DISCCART | -4.95 | 19.09 | 1.2 |
| RE DISCCART | -7.07 | 21.21 | 1.2 |
| RE DISCCART | -10.61 | 24.75 | 1.2 |
| RE DISCCART | -14.14 | 28.28 | 1.2 |
| RE DISCCART | -21.21 | 35.36 | 1.2 |
| RE DISCCART | -28.28 | 42.43 | 1.2 |
| RE DISCCART | -35.36 | 49.5 | 1.2 |
| RE DISCCART | -42.43 | 56.57 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | -49.5 | 63.64 | 1.2 |
| RE DISCCART | -56.57 | 70.71 | 1.2 |
| RE DISCCART | -63.64 | 77.78 | 1.2 |
| RE DISCCART | 70.71 | -70.71 | 1.2 |
| RE DISCCART | 63.64 | -63.64 | 1.2 |
| RE DISCCART | 56.57 | -56.57 | 1.2 |
| RE DISCCART | 49.5 | -49.5 | 1.2 |
| RE DISCCART | 42.43 | -42.43 | 1.2 |
| RE DISCCART | 35.36 | -35.36 | 1.2 |
| RE DISCCART | 28.28 | -28.28 | 1.2 |
| RE DISCCART | 21.21 | -21.21 | 1.2 |
| RE DISCCART | 17.68 | -17.68 | 1.2 |
| RE DISCCART | 14.14 | -14.14 | 1.2 |
| RE DISCCART | 12.02 | -12.02 | 1.2 |
| RE DISCCART | 10.61 | -10.61 | 1.2 |
| RE DISCCART | 9.19 | -9.19 | 1.2 |
| RE DISCCART | 7.78 | -7.78 | 1.2 |
| RE DISCCART | 6.36 | -6.36 | 1.2 |
| RE DISCCART | -6.36 | 6.36 | 1.2 |
| RE DISCCART | -7.78 | 7.78 | 1.2 |
| RE DISCCART | -9.19 | 9.19 | 1.2 |
| RE DISCCART | -10.61 | 10.61 | 1.2 |
| RE DISCCART | -12.02 | 12.02 | 1.2 |
| RE DISCCART | -14.14 | 14.14 | 1.2 |
| RE DISCCART | -17.68 | 17.68 | 1.2 |
| RE DISCCART | -21.21 | 21.21 | 1.2 |
| RE DISCCART | -28.28 | 28.28 | 1.2 |
| RE DISCCART | -35.36 | 35.36 | 1.2 |
| RE DISCCART | -42.43 | 42.43 | 1.2 |
| RE DISCCART | -49.5 | 49.5 | 1.2 |
| RE DISCCART | -56.57 | 56.57 | 1.2 |
| RE DISCCART | -63.64 | 63.64 | 1.2 |
| RE DISCCART | -70.71 | 70.71 | 1.2 |
| RE DISCCART | 63.64 | -77.78 | 1.2 |
| RE DISCCART | 56.57 | -70.71 | 1.2 |
| RE DISCCART | 49.5 | -63.64 | 1.2 |
| RE DISCCART | 42.43 | -56.57 | 1.2 |
| RE DISCCART | 35.36 | -49.5 | 1.2 |
| RE DISCCART | 28.28 | -42.43 | 1.2 |
| RE DISCCART | 21.21 | -35.36 | 1.2 |
| RE DISCCART | 14.14 | -28.28 | 1.2 |
| RE DISCCART | 10.61 | -24.75 | 1.2 |
| RE DISCCART | 7.07 | -21.21 | 1.2 |
| RE DISCCART | 4.95 | -19.09 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | 3.54 | -17.68 | 1.2 |
| RE DISCCART | 2.12 | -16.26 | 1.2 |
| RE DISCCART | 0.71 | -14.85 | 1.2 |
| RE DISCCART | -0.71 | -13.44 | 1.2 |
| RE DISCCART | -13.44 | -0.71 | 1.2 |
| RE DISCCART | -14.85 | 0.71 | 1.2 |
| RE DISCCART | -16.26 | 2.12 | 1.2 |
| RE DISCCART | -17.68 | 3.54 | 1.2 |
| RE DISCCART | -19.09 | 4.95 | 1.2 |
| RE DISCCART | -21.21 | 7.07 | 1.2 |
| RE DISCCART | -24.75 | 10.61 | 1.2 |
| RE DISCCART | -28.28 | 14.14 | 1.2 |
| RE DISCCART | -35.36 | 21.21 | 1.2 |
| RE DISCCART | -42.43 | 28.28 | 1.2 |
| RE DISCCART | -49.5 | 35.36 | 1.2 |
| RE DISCCART | -56.57 | 42.43 | 1.2 |
| RE DISCCART | -63.64 | 49.5 | 1.2 |
| RE DISCCART | -70.71 | 56.57 | 1.2 |
| RE DISCCART | -77.78 | 63.64 | 1.2 |
| RE DISCCART | 56.57 | -84.85 | 1.2 |
| RE DISCCART | 49.5 | -77.78 | 1.2 |
| RE DISCCART | 42.43 | -70.71 | 1.2 |
| RE DISCCART | 35.36 | -63.64 | 1.2 |
| RE DISCCART | 28.28 | -56.57 | 1.2 |
| RE DISCCART | 21.21 | -49.5 | 1.2 |
| RE DISCCART | 14.14 | -42.43 | 1.2 |
| RE DISCCART | 7.07 | -35.36 | 1.2 |
| RE DISCCART | 3.54 | -31.82 | 1.2 |
| RE DISCCART | 0.0 | -28.28 | 1.2 |
| RE DISCCART | -2.12 | -26.16 | 1.2 |
| RE DISCCART | -3.54 | -24.75 | 1.2 |
| RE DISCCART | -4.95 | -23.33 | 1.2 |
| RE DISCCART | -6.36 | -21.92 | 1.2 |
| RE DISCCART | -7.78 | -20.51 | 1.2 |
| RE DISCCART | -20.51 | -7.78 | 1.2 |
| RE DISCCART | -21.92 | -6.36 | 1.2 |
| RE DISCCART | -23.33 | -4.95 | 1.2 |
| RE DISCCART | -24.75 | -3.54 | 1.2 |
| RE DISCCART | -26.16 | -2.12 | 1.2 |
| RE DISCCART | -28.28 | 0.0 | 1.2 |
| RE DISCCART | -31.82 | 3.54 | 1.2 |
| RE DISCCART | -35.36 | 7.07 | 1.2 |
| RE DISCCART | -42.43 | 14.14 | 1.2 |
| RE DISCCART | -49.5 | 21.21 | 1.2 |

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|-------------|--------|--------|-----|
| RE DISCCART | -56.57 | 28.28 | 1.2 |
| RE DISCCART | -63.64 | 35.36 | 1.2 |
| RE DISCCART | -70.71 | 42.43 | 1.2 |
| RE DISCCART | -77.78 | 49.5 | 1.2 |
| RE DISCCART | -84.85 | 56.57 | 1.2 |
| RE DISCCART | 49.5 | -91.92 | 1.2 |
| RE DISCCART | 42.43 | -84.85 | 1.2 |
| RE DISCCART | 35.36 | -77.78 | 1.2 |
| RE DISCCART | 28.28 | -70.71 | 1.2 |
| RE DISCCART | 21.21 | -63.64 | 1.2 |
| RE DISCCART | 14.14 | -56.57 | 1.2 |
| RE DISCCART | 7.07 | -49.5 | 1.2 |
| RE DISCCART | 0.0 | -42.43 | 1.2 |
| RE DISCCART | -3.54 | -38.89 | 1.2 |
| RE DISCCART | -7.07 | -35.36 | 1.2 |
| RE DISCCART | -9.19 | -33.23 | 1.2 |
| RE DISCCART | -10.61 | -31.82 | 1.2 |
| RE DISCCART | -12.02 | -30.41 | 1.2 |
| RE DISCCART | -13.44 | -28.99 | 1.2 |
| RE DISCCART | -14.85 | -27.58 | 1.2 |
| RE DISCCART | -27.58 | -14.85 | 1.2 |
| RE DISCCART | -28.99 | -13.44 | 1.2 |
| RE DISCCART | -30.41 | -12.02 | 1.2 |
| RE DISCCART | -31.82 | -10.61 | 1.2 |
| RE DISCCART | -33.23 | -9.19 | 1.2 |
| RE DISCCART | -35.36 | -7.07 | 1.2 |
| RE DISCCART | -38.89 | -3.54 | 1.2 |
| RE DISCCART | -42.43 | 0.0 | 1.2 |
| RE DISCCART | -49.5 | 7.07 | 1.2 |
| RE DISCCART | -56.57 | 14.14 | 1.2 |
| RE DISCCART | -63.64 | 21.21 | 1.2 |
| RE DISCCART | -70.71 | 28.28 | 1.2 |
| RE DISCCART | -77.78 | 35.36 | 1.2 |
| RE DISCCART | -84.85 | 42.43 | 1.2 |
| RE DISCCART | -91.92 | 49.5 | 1.2 |
| RE DISCCART | 42.43 | -98.99 | 1.2 |
| RE DISCCART | 35.36 | -91.92 | 1.2 |
| RE DISCCART | 28.28 | -84.85 | 1.2 |
| RE DISCCART | 21.21 | -77.78 | 1.2 |
| RE DISCCART | 14.14 | -70.71 | 1.2 |
| RE DISCCART | 7.07 | -63.64 | 1.2 |
| RE DISCCART | 0.0 | -56.57 | 1.2 |
| RE DISCCART | -7.07 | -49.5 | 1.2 |
| RE DISCCART | -10.61 | -45.96 | 1.2 |

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| RE DISCCART | -14.14 | -42.43 | 1.2 |
| RE DISCCART | -16.26 | -40.31 | 1.2 |
| RE DISCCART | -17.68 | -38.89 | 1.2 |
| RE DISCCART | -19.09 | -37.48 | 1.2 |
| RE DISCCART | -20.51 | -36.06 | 1.2 |
| RE DISCCART | -21.92 | -34.65 | 1.2 |
| RE DISCCART | -34.65 | -21.92 | 1.2 |
| RE DISCCART | -36.06 | -20.51 | 1.2 |
| RE DISCCART | -37.48 | -19.09 | 1.2 |
| RE DISCCART | -38.89 | -17.68 | 1.2 |
| RE DISCCART | -40.31 | -16.26 | 1.2 |
| RE DISCCART | -42.43 | -14.14 | 1.2 |
| RE DISCCART | -45.96 | -10.61 | 1.2 |
| RE DISCCART | -49.5 | -7.07 | 1.2 |
| RE DISCCART | -56.57 | 0.0 | 1.2 |
| RE DISCCART | -63.64 | 7.07 | 1.2 |
| RE DISCCART | -70.71 | 14.14 | 1.2 |
| RE DISCCART | -77.78 | 21.21 | 1.2 |
| RE DISCCART | -84.85 | 28.28 | 1.2 |
| RE DISCCART | -91.92 | 35.36 | 1.2 |
| RE DISCCART | -98.99 | 42.43 | 1.2 |
| RE DISCCART | 35.36 | -106.07 | 1.2 |
| RE DISCCART | 28.28 | -98.99 | 1.2 |
| RE DISCCART | 21.21 | -91.92 | 1.2 |
| RE DISCCART | 14.14 | -84.85 | 1.2 |
| RE DISCCART | 7.07 | -77.78 | 1.2 |
| RE DISCCART | 0.0 | -70.71 | 1.2 |
| RE DISCCART | -7.07 | -63.64 | 1.2 |
| RE DISCCART | -14.14 | -56.57 | 1.2 |
| RE DISCCART | -17.68 | -53.03 | 1.2 |
| RE DISCCART | -21.21 | -49.5 | 1.2 |
| RE DISCCART | -23.33 | -47.38 | 1.2 |
| RE DISCCART | -24.75 | -45.96 | 1.2 |
| RE DISCCART | -26.16 | -44.55 | 1.2 |
| RE DISCCART | -27.58 | -43.13 | 1.2 |
| RE DISCCART | -28.99 | -41.72 | 1.2 |
| RE DISCCART | -41.72 | -28.99 | 1.2 |
| RE DISCCART | -43.13 | -27.58 | 1.2 |
| RE DISCCART | -44.55 | -26.16 | 1.2 |
| RE DISCCART | -45.96 | -24.75 | 1.2 |
| RE DISCCART | -47.38 | -23.33 | 1.2 |
| RE DISCCART | -49.5 | -21.21 | 1.2 |
| RE DISCCART | -53.03 | -17.68 | 1.2 |
| RE DISCCART | -56.57 | -14.14 | 1.2 |

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| RE DISCCART | -63.64 | -7.07 | 1.2 |
| RE DISCCART | -70.71 | 0.0 | 1.2 |
| RE DISCCART | -77.78 | 7.07 | 1.2 |
| RE DISCCART | -84.85 | 14.14 | 1.2 |
| RE DISCCART | -91.92 | 21.21 | 1.2 |
| RE DISCCART | -98.99 | 28.28 | 1.2 |
| RE DISCCART | -106.07 | 35.36 | 1.2 |
| RE DISCCART | 28.28 | -113.14 | 1.2 |
| RE DISCCART | 21.21 | -106.07 | 1.2 |
| RE DISCCART | 14.14 | -98.99 | 1.2 |
| RE DISCCART | 7.07 | -91.92 | 1.2 |
| RE DISCCART | 0.0 | -84.85 | 1.2 |
| RE DISCCART | -7.07 | -77.78 | 1.2 |
| RE DISCCART | -14.14 | -70.71 | 1.2 |
| RE DISCCART | -21.21 | -63.64 | 1.2 |
| RE DISCCART | -24.75 | -60.1 | 1.2 |
| RE DISCCART | -28.28 | -56.57 | 1.2 |
| RE DISCCART | -30.41 | -54.45 | 1.2 |
| RE DISCCART | -31.82 | -53.03 | 1.2 |
| RE DISCCART | -33.23 | -51.62 | 1.2 |
| RE DISCCART | -34.65 | -50.2 | 1.2 |
| RE DISCCART | -36.06 | -48.79 | 1.2 |
| RE DISCCART | -48.79 | -36.06 | 1.2 |
| RE DISCCART | -50.2 | -34.65 | 1.2 |
| RE DISCCART | -51.62 | -33.23 | 1.2 |
| RE DISCCART | -53.03 | -31.82 | 1.2 |
| RE DISCCART | -54.45 | -30.41 | 1.2 |
| RE DISCCART | -56.57 | -28.28 | 1.2 |
| RE DISCCART | -60.1 | -24.75 | 1.2 |
| RE DISCCART | -63.64 | -21.21 | 1.2 |
| RE DISCCART | -70.71 | -14.14 | 1.2 |
| RE DISCCART | -77.78 | -7.07 | 1.2 |
| RE DISCCART | -84.85 | 0.0 | 1.2 |
| RE DISCCART | -91.92 | 7.07 | 1.2 |
| RE DISCCART | -98.99 | 14.14 | 1.2 |
| RE DISCCART | -106.07 | 21.21 | 1.2 |
| RE DISCCART | -113.14 | 28.28 | 1.2 |
| RE DISCCART | 21.21 | -120.21 | 1.2 |
| RE DISCCART | 14.14 | -113.14 | 1.2 |
| RE DISCCART | 7.07 | -106.07 | 1.2 |
| RE DISCCART | 0.0 | -98.99 | 1.2 |
| RE DISCCART | -7.07 | -91.92 | 1.2 |
| RE DISCCART | -14.14 | -84.85 | 1.2 |
| RE DISCCART | -21.21 | -77.78 | 1.2 |

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| RE DISCCART | -28.28 | -70.71 | 1.2 |
| RE DISCCART | -31.82 | -67.18 | 1.2 |
| RE DISCCART | -35.36 | -63.64 | 1.2 |
| RE DISCCART | -37.48 | -61.52 | 1.2 |
| RE DISCCART | -38.89 | -60.1 | 1.2 |
| RE DISCCART | -40.31 | -58.69 | 1.2 |
| RE DISCCART | -41.72 | -57.28 | 1.2 |
| RE DISCCART | -43.13 | -55.86 | 1.2 |
| RE DISCCART | -55.86 | -43.13 | 1.2 |
| RE DISCCART | -57.28 | -41.72 | 1.2 |
| RE DISCCART | -58.69 | -40.31 | 1.2 |
| RE DISCCART | -60.1 | -38.89 | 1.2 |
| RE DISCCART | -61.52 | -37.48 | 1.2 |
| RE DISCCART | -63.64 | -35.36 | 1.2 |
| RE DISCCART | -67.18 | -31.82 | 1.2 |
| RE DISCCART | -70.71 | -28.28 | 1.2 |
| RE DISCCART | -77.78 | -21.21 | 1.2 |
| RE DISCCART | -84.85 | -14.14 | 1.2 |
| RE DISCCART | -91.92 | -7.07 | 1.2 |
| RE DISCCART | -98.99 | 0.0 | 1.2 |
| RE DISCCART | -106.07 | 7.07 | 1.2 |
| RE DISCCART | -113.14 | 14.14 | 1.2 |
| RE DISCCART | -120.21 | 21.21 | 1.2 |
| RE DISCCART | 14.14 | -127.28 | 1.2 |
| RE DISCCART | 7.07 | -120.21 | 1.2 |
| RE DISCCART | 0.0 | -113.14 | 1.2 |
| RE DISCCART | -7.07 | -106.07 | 1.2 |
| RE DISCCART | -14.14 | -98.99 | 1.2 |
| RE DISCCART | -21.21 | -91.92 | 1.2 |
| RE DISCCART | -28.28 | -84.85 | 1.2 |
| RE DISCCART | -35.36 | -77.78 | 1.2 |
| RE DISCCART | -38.89 | -74.25 | 1.2 |
| RE DISCCART | -42.43 | -70.71 | 1.2 |
| RE DISCCART | -44.55 | -68.59 | 1.2 |
| RE DISCCART | -45.96 | -67.18 | 1.2 |
| RE DISCCART | -47.38 | -65.76 | 1.2 |
| RE DISCCART | -48.79 | -64.35 | 1.2 |
| RE DISCCART | -50.2 | -62.93 | 1.2 |
| RE DISCCART | -62.93 | -50.2 | 1.2 |
| RE DISCCART | -64.35 | -48.79 | 1.2 |
| RE DISCCART | -65.76 | -47.38 | 1.2 |
| RE DISCCART | -67.18 | -45.96 | 1.2 |
| RE DISCCART | -68.59 | -44.55 | 1.2 |
| RE DISCCART | -70.71 | -42.43 | 1.2 |

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| RE DISCCART | -74.25 | -38.89 | 1.2 |
| RE DISCCART | -77.78 | -35.36 | 1.2 |
| RE DISCCART | -84.85 | -28.28 | 1.2 |
| RE DISCCART | -91.92 | -21.21 | 1.2 |
| RE DISCCART | -98.99 | -14.14 | 1.2 |
| RE DISCCART | -106.07 | -7.07 | 1.2 |
| RE DISCCART | -113.14 | 0.0 | 1.2 |
| RE DISCCART | -120.21 | 7.07 | 1.2 |
| RE DISCCART | -127.28 | 14.14 | 1.2 |
| RE DISCCART | 7.07 | -134.35 | 1.2 |
| RE DISCCART | 0.0 | -127.28 | 1.2 |
| RE DISCCART | -7.07 | -120.21 | 1.2 |
| RE DISCCART | -14.14 | -113.14 | 1.2 |
| RE DISCCART | -21.21 | -106.07 | 1.2 |
| RE DISCCART | -28.28 | -98.99 | 1.2 |
| RE DISCCART | -35.36 | -91.92 | 1.2 |
| RE DISCCART | -42.43 | -84.85 | 1.2 |
| RE DISCCART | -45.96 | -81.32 | 1.2 |
| RE DISCCART | -49.5 | -77.78 | 1.2 |
| RE DISCCART | -51.62 | -75.66 | 1.2 |
| RE DISCCART | -53.03 | -74.25 | 1.2 |
| RE DISCCART | -54.45 | -72.83 | 1.2 |
| RE DISCCART | -55.86 | -71.42 | 1.2 |
| RE DISCCART | -57.28 | -70.0 | 1.2 |
| RE DISCCART | -70.0 | -57.28 | 1.2 |
| RE DISCCART | -71.42 | -55.86 | 1.2 |
| RE DISCCART | -72.83 | -54.45 | 1.2 |
| RE DISCCART | -74.25 | -53.03 | 1.2 |
| RE DISCCART | -75.66 | -51.62 | 1.2 |
| RE DISCCART | -77.78 | -49.5 | 1.2 |
| RE DISCCART | -81.32 | -45.96 | 1.2 |
| RE DISCCART | -84.85 | -42.43 | 1.2 |
| RE DISCCART | -91.92 | -35.36 | 1.2 |
| RE DISCCART | -98.99 | -28.28 | 1.2 |
| RE DISCCART | -106.07 | -21.21 | 1.2 |
| RE DISCCART | -113.14 | -14.14 | 1.2 |
| RE DISCCART | -120.21 | -7.07 | 1.2 |
| RE DISCCART | -127.28 | 0.0 | 1.2 |
| RE DISCCART | -134.35 | 7.07 | 1.2 |
| RE DISCCART | 0.0 | -141.42 | 1.2 |
| RE DISCCART | -7.07 | -134.35 | 1.2 |
| RE DISCCART | -14.14 | -127.28 | 1.2 |
| RE DISCCART | -21.21 | -120.21 | 1.2 |
| RE DISCCART | -28.28 | -113.14 | 1.2 |

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| RE DISCCART | -35.36 | -106.07 | 1.2 |
| RE DISCCART | -42.43 | -98.99 | 1.2 |
| RE DISCCART | -49.5 | -91.92 | 1.2 |
| RE DISCCART | -53.03 | -88.39 | 1.2 |
| RE DISCCART | -56.57 | -84.85 | 1.2 |
| RE DISCCART | -58.69 | -82.73 | 1.2 |
| RE DISCCART | -60.1 | -81.32 | 1.2 |
| RE DISCCART | -61.52 | -79.9 | 1.2 |
| RE DISCCART | -62.93 | -78.49 | 1.2 |
| RE DISCCART | -64.35 | -77.07 | 1.2 |
| RE DISCCART | -77.07 | -64.35 | 1.2 |
| RE DISCCART | -78.49 | -62.93 | 1.2 |
| RE DISCCART | -79.9 | -61.52 | 1.2 |
| RE DISCCART | -81.32 | -60.1 | 1.2 |
| RE DISCCART | -82.73 | -58.69 | 1.2 |
| RE DISCCART | -84.85 | -56.57 | 1.2 |
| RE DISCCART | -88.39 | -53.03 | 1.2 |
| RE DISCCART | -91.92 | -49.5 | 1.2 |
| RE DISCCART | -98.99 | -42.43 | 1.2 |
| RE DISCCART | -106.07 | -35.36 | 1.2 |
| RE DISCCART | -113.14 | -28.28 | 1.2 |
| RE DISCCART | -120.21 | -21.21 | 1.2 |
| RE DISCCART | -127.28 | -14.14 | 1.2 |
| RE DISCCART | -134.35 | -7.07 | 1.2 |
| RE DISCCART | -141.42 | 0.0 | 1.2 |
| RE DISCCART | -7.07 | -148.49 | 1.2 |
| RE DISCCART | -14.14 | -141.42 | 1.2 |
| RE DISCCART | -21.21 | -134.35 | 1.2 |
| RE DISCCART | -28.28 | -127.28 | 1.2 |
| RE DISCCART | -35.36 | -120.21 | 1.2 |
| RE DISCCART | -42.43 | -113.14 | 1.2 |
| RE DISCCART | -49.5 | -106.07 | 1.2 |
| RE DISCCART | -56.57 | -98.99 | 1.2 |
| RE DISCCART | -60.1 | -95.46 | 1.2 |
| RE DISCCART | -63.64 | -91.92 | 1.2 |
| RE DISCCART | -65.76 | -89.8 | 1.2 |
| RE DISCCART | -67.18 | -88.39 | 1.2 |
| RE DISCCART | -68.59 | -86.97 | 1.2 |
| RE DISCCART | -70.0 | -85.56 | 1.2 |
| RE DISCCART | -71.42 | -84.15 | 1.2 |
| RE DISCCART | -84.15 | -71.42 | 1.2 |
| RE DISCCART | -85.56 | -70.0 | 1.2 |
| RE DISCCART | -86.97 | -68.59 | 1.2 |
| RE DISCCART | -88.39 | -67.18 | 1.2 |

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|-------------|---------|---------|-----|
| RE DISCCART | -89.8 | -65.76 | 1.2 |
| RE DISCCART | -91.92 | -63.64 | 1.2 |
| RE DISCCART | -95.46 | -60.1 | 1.2 |
| RE DISCCART | -98.99 | -56.57 | 1.2 |
| RE DISCCART | -106.07 | -49.5 | 1.2 |
| RE DISCCART | -113.14 | -42.43 | 1.2 |
| RE DISCCART | -120.21 | -35.36 | 1.2 |
| RE DISCCART | -127.28 | -28.28 | 1.2 |
| RE DISCCART | -134.35 | -21.21 | 1.2 |
| RE DISCCART | -141.42 | -14.14 | 1.2 |
| RE DISCCART | -148.49 | -7.07 | 1.2 |
| RE DISCCART | -14.14 | -155.56 | 1.2 |
| RE DISCCART | -21.21 | -148.49 | 1.2 |
| RE DISCCART | -28.28 | -141.42 | 1.2 |
| RE DISCCART | -35.36 | -134.35 | 1.2 |
| RE DISCCART | -42.43 | -127.28 | 1.2 |
| RE DISCCART | -49.5 | -120.21 | 1.2 |
| RE DISCCART | -56.57 | -113.14 | 1.2 |
| RE DISCCART | -63.64 | -106.07 | 1.2 |
| RE DISCCART | -67.18 | -102.53 | 1.2 |
| RE DISCCART | -70.71 | -98.99 | 1.2 |
| RE DISCCART | -72.83 | -96.87 | 1.2 |
| RE DISCCART | -74.25 | -95.46 | 1.2 |
| RE DISCCART | -75.66 | -94.05 | 1.2 |
| RE DISCCART | -77.07 | -92.63 | 1.2 |
| RE DISCCART | -78.49 | -91.22 | 1.2 |
| RE DISCCART | -91.22 | -78.49 | 1.2 |
| RE DISCCART | -92.63 | -77.07 | 1.2 |
| RE DISCCART | -94.05 | -75.66 | 1.2 |
| RE DISCCART | -95.46 | -74.25 | 1.2 |
| RE DISCCART | -96.87 | -72.83 | 1.2 |
| RE DISCCART | -98.99 | -70.71 | 1.2 |
| RE DISCCART | -102.53 | -67.18 | 1.2 |
| RE DISCCART | -106.07 | -63.64 | 1.2 |
| RE DISCCART | -113.14 | -56.57 | 1.2 |
| RE DISCCART | -120.21 | -49.5 | 1.2 |
| RE DISCCART | -127.28 | -42.43 | 1.2 |
| RE DISCCART | -134.35 | -35.36 | 1.2 |
| RE DISCCART | -141.42 | -28.28 | 1.2 |
| RE DISCCART | -148.49 | -21.21 | 1.2 |
| RE DISCCART | -155.56 | -14.14 | 1.2 |
| RE DISCCART | -21.21 | -162.63 | 1.2 |
| RE DISCCART | -28.28 | -155.56 | 1.2 |
| RE DISCCART | -35.36 | -148.49 | 1.2 |

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| RE DISCCART | -42.43 | -141.42 | 1.2 |
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| RE DISCCART | -63.64 | -120.21 | 1.2 |
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| RE DISCCART | -74.25 | -109.6 | 1.2 |
| RE DISCCART | -77.78 | -106.07 | 1.2 |
| RE DISCCART | -79.9 | -103.94 | 1.2 |
| RE DISCCART | -81.32 | -102.53 | 1.2 |
| RE DISCCART | -82.73 | -101.12 | 1.2 |
| RE DISCCART | -84.15 | -99.7 | 1.2 |
| RE DISCCART | -85.56 | -98.29 | 1.2 |
| RE DISCCART | -98.29 | -85.56 | 1.2 |
| RE DISCCART | -99.7 | -84.15 | 1.2 |
| RE DISCCART | -101.12 | -82.73 | 1.2 |
| RE DISCCART | -102.53 | -81.32 | 1.2 |
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| RE DISCCART | -109.6 | -74.25 | 1.2 |
| RE DISCCART | -113.14 | -70.71 | 1.2 |
| RE DISCCART | -120.21 | -63.64 | 1.2 |
| RE DISCCART | -127.28 | -56.57 | 1.2 |
| RE DISCCART | -134.35 | -49.5 | 1.2 |
| RE DISCCART | -141.42 | -42.43 | 1.2 |
| RE DISCCART | -148.49 | -35.36 | 1.2 |
| RE DISCCART | -155.56 | -28.28 | 1.2 |
| RE DISCCART | -162.63 | -21.21 | 1.2 |
| RE DISCCART | -28.28 | -169.71 | 1.2 |
| RE DISCCART | -35.36 | -162.63 | 1.2 |
| RE DISCCART | -42.43 | -155.56 | 1.2 |
| RE DISCCART | -49.5 | -148.49 | 1.2 |
| RE DISCCART | -56.57 | -141.42 | 1.2 |
| RE DISCCART | -63.64 | -134.35 | 1.2 |
| RE DISCCART | -70.71 | -127.28 | 1.2 |
| RE DISCCART | -77.78 | -120.21 | 1.2 |
| RE DISCCART | -81.32 | -116.67 | 1.2 |
| RE DISCCART | -84.85 | -113.14 | 1.2 |
| RE DISCCART | -86.97 | -111.02 | 1.2 |
| RE DISCCART | -88.39 | -109.6 | 1.2 |
| RE DISCCART | -89.8 | -108.19 | 1.2 |
| RE DISCCART | -91.22 | -106.77 | 1.2 |
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| RE DISCCART | -105.36 | -92.63 | 1.2 |
| RE DISCCART | -106.77 | -91.22 | 1.2 |

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| RE DISCCART | -120.21 | -77.78 | 1.2 |
| RE DISCCART | -127.28 | -70.71 | 1.2 |
| RE DISCCART | -134.35 | -63.64 | 1.2 |
| RE DISCCART | -141.42 | -56.57 | 1.2 |
| RE DISCCART | -148.49 | -49.5 | 1.2 |
| RE DISCCART | -155.56 | -42.43 | 1.2 |
| RE DISCCART | -162.63 | -35.36 | 1.2 |
| RE DISCCART | -169.71 | -28.28 | 1.2 |
| RE DISCCART | -35.36 | -176.78 | 1.2 |
| RE DISCCART | -42.43 | -169.71 | 1.2 |
| RE DISCCART | -49.5 | -162.63 | 1.2 |
| RE DISCCART | -56.57 | -155.56 | 1.2 |
| RE DISCCART | -63.64 | -148.49 | 1.2 |
| RE DISCCART | -70.71 | -141.42 | 1.2 |
| RE DISCCART | -77.78 | -134.35 | 1.2 |
| RE DISCCART | -84.85 | -127.28 | 1.2 |
| RE DISCCART | -88.39 | -123.74 | 1.2 |
| RE DISCCART | -91.92 | -120.21 | 1.2 |
| RE DISCCART | -94.05 | -118.09 | 1.2 |
| RE DISCCART | -95.46 | -116.67 | 1.2 |
| RE DISCCART | -96.87 | -115.26 | 1.2 |
| RE DISCCART | -98.29 | -113.84 | 1.2 |
| RE DISCCART | -99.7 | -112.43 | 1.2 |
| RE DISCCART | -112.43 | -99.7 | 1.2 |
| RE DISCCART | -113.84 | -98.29 | 1.2 |
| RE DISCCART | -115.26 | -96.87 | 1.2 |
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| RE DISCCART | -118.09 | -94.05 | 1.2 |
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| RE DISCCART | -123.74 | -88.39 | 1.2 |
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| RE DISCCART | -134.35 | -77.78 | 1.2 |
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| RE DISCCART | -148.49 | -63.64 | 1.2 |
| RE DISCCART | -155.56 | -56.57 | 1.2 |
| RE DISCCART | -162.63 | -49.5 | 1.2 |
| RE DISCCART | -169.71 | -42.43 | 1.2 |
| RE DISCCART | -176.78 | -35.36 | 1.2 |
| RE DISCCART | -42.43 | -183.85 | 1.2 |

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| RE DISCCART | -77.78 | -148.49 | 1.2 |
| RE DISCCART | -84.85 | -141.42 | 1.2 |
| RE DISCCART | -91.92 | -134.35 | 1.2 |
| RE DISCCART | -95.46 | -130.81 | 1.2 |
| RE DISCCART | -98.99 | -127.28 | 1.2 |
| RE DISCCART | -101.12 | -125.16 | 1.2 |
| RE DISCCART | -102.53 | -123.74 | 1.2 |
| RE DISCCART | -103.94 | -122.33 | 1.2 |
| RE DISCCART | -105.36 | -120.92 | 1.2 |
| RE DISCCART | -106.77 | -119.5 | 1.2 |
| RE DISCCART | -119.5 | -106.77 | 1.2 |
| RE DISCCART | -120.92 | -105.36 | 1.2 |
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| RE DISCCART | -125.16 | -101.12 | 1.2 |
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| RE DISCCART | -130.81 | -95.46 | 1.2 |
| RE DISCCART | -134.35 | -91.92 | 1.2 |
| RE DISCCART | -141.42 | -84.85 | 1.2 |
| RE DISCCART | -148.49 | -77.78 | 1.2 |
| RE DISCCART | -155.56 | -70.71 | 1.2 |
| RE DISCCART | -162.63 | -63.64 | 1.2 |
| RE DISCCART | -169.71 | -56.57 | 1.2 |
| RE DISCCART | -176.78 | -49.5 | 1.2 |
| RE DISCCART | -183.85 | -42.43 | 1.2 |
| RE DISCCART | -49.5 | -190.92 | 1.2 |
| RE DISCCART | -56.57 | -183.85 | 1.2 |
| RE DISCCART | -63.64 | -176.78 | 1.2 |
| RE DISCCART | -70.71 | -169.71 | 1.2 |
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| RE DISCCART | -84.85 | -155.56 | 1.2 |
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| RE DISCCART | -106.07 | -134.35 | 1.2 |
| RE DISCCART | -108.19 | -132.23 | 1.2 |
| RE DISCCART | -109.6 | -130.81 | 1.2 |
| RE DISCCART | -111.02 | -129.4 | 1.2 |
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| RE DISCCART | -113.84 | -126.57 | 1.2 |

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| RE DISCCART | -126.57 | -113.84 | 1.2 |
| RE DISCCART | -127.99 | -112.43 | 1.2 |
| RE DISCCART | -129.4 | -111.02 | 1.2 |
| RE DISCCART | -130.81 | -109.6 | 1.2 |
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| RE DISCCART | -137.89 | -102.53 | 1.2 |
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| RE DISCCART | -148.49 | -91.92 | 1.2 |
| RE DISCCART | -155.56 | -84.85 | 1.2 |
| RE DISCCART | -162.63 | -77.78 | 1.2 |
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| RE DISCCART | -176.78 | -63.64 | 1.2 |
| RE DISCCART | -183.85 | -56.57 | 1.2 |
| RE DISCCART | -190.92 | -49.5 | 1.2 |
| RE DISCCART | -56.57 | -197.99 | 1.2 |
| RE DISCCART | -63.64 | -190.92 | 1.2 |
| RE DISCCART | -70.71 | -183.85 | 1.2 |
| RE DISCCART | -77.78 | -176.78 | 1.2 |
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| RE DISCCART | -98.99 | -155.56 | 1.2 |
| RE DISCCART | -106.07 | -148.49 | 1.2 |
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| RE DISCCART | -113.14 | -141.42 | 1.2 |
| RE DISCCART | -115.26 | -139.3 | 1.2 |
| RE DISCCART | -116.67 | -137.89 | 1.2 |
| RE DISCCART | -118.09 | -136.47 | 1.2 |
| RE DISCCART | -119.5 | -135.06 | 1.2 |
| RE DISCCART | -120.92 | -133.64 | 1.2 |
| RE DISCCART | -133.64 | -120.92 | 1.2 |
| RE DISCCART | -135.06 | -119.5 | 1.2 |
| RE DISCCART | -136.47 | -118.09 | 1.2 |
| RE DISCCART | -137.89 | -116.67 | 1.2 |
| RE DISCCART | -139.3 | -115.26 | 1.2 |
| RE DISCCART | -141.42 | -113.14 | 1.2 |
| RE DISCCART | -144.96 | -109.6 | 1.2 |
| RE DISCCART | -148.49 | -106.07 | 1.2 |
| RE DISCCART | -155.56 | -98.99 | 1.2 |
| RE DISCCART | -162.63 | -91.92 | 1.2 |
| RE DISCCART | -169.71 | -84.85 | 1.2 |
| RE DISCCART | -176.78 | -77.78 | 1.2 |
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| RE DISCCART | -190.92 | -63.64 | 1.2 |

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| RE DISCCART | -197.99 | -56.57 | 1.2 |
| RE DISCCART | -63.64 | -205.06 | 1.2 |
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| RE DISCCART | -77.78 | -190.92 | 1.2 |
| RE DISCCART | -84.85 | -183.85 | 1.2 |
| RE DISCCART | -91.92 | -176.78 | 1.2 |
| RE DISCCART | -98.99 | -169.71 | 1.2 |
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| RE DISCCART | -113.14 | -155.56 | 1.2 |
| RE DISCCART | -116.67 | -152.03 | 1.2 |
| RE DISCCART | -120.21 | -148.49 | 1.2 |
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| RE DISCCART | -123.74 | -144.96 | 1.2 |
| RE DISCCART | -125.16 | -143.54 | 1.2 |
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| RE DISCCART | -148.49 | -120.21 | 1.2 |
| RE DISCCART | -152.03 | -116.67 | 1.2 |
| RE DISCCART | -155.56 | -113.14 | 1.2 |
| RE DISCCART | -162.63 | -106.07 | 1.2 |
| RE DISCCART | -169.71 | -98.99 | 1.2 |
| RE DISCCART | -176.78 | -91.92 | 1.2 |
| RE DISCCART | -183.85 | -84.85 | 1.2 |
| RE DISCCART | -190.92 | -77.78 | 1.2 |
| RE DISCCART | -197.99 | -70.71 | 1.2 |
| RE DISCCART | -205.06 | -63.64 | 1.2 |
| RE DISCCART | -70.71 | -212.13 | 1.2 |
| RE DISCCART | -77.78 | -205.06 | 1.2 |
| RE DISCCART | -84.85 | -197.99 | 1.2 |
| RE DISCCART | -91.92 | -190.92 | 1.2 |
| RE DISCCART | -98.99 | -183.85 | 1.2 |
| RE DISCCART | -106.07 | -176.78 | 1.2 |
| RE DISCCART | -113.14 | -169.71 | 1.2 |
| RE DISCCART | -120.21 | -162.63 | 1.2 |
| RE DISCCART | -123.74 | -159.1 | 1.2 |
| RE DISCCART | -127.28 | -155.56 | 1.2 |
| RE DISCCART | -129.4 | -153.44 | 1.2 |
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| RE DISCCART | -132.23 | -150.61 | 1.2 |

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| RE DISCCART | -135.06 | -147.79 | 1.2 |
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| RE DISCCART | -149.2 | -133.64 | 1.2 |
| RE DISCCART | -150.61 | -132.23 | 1.2 |
| RE DISCCART | -152.03 | -130.81 | 1.2 |
| RE DISCCART | -153.44 | -129.4 | 1.2 |
| RE DISCCART | -155.56 | -127.28 | 1.2 |
| RE DISCCART | -159.1 | -123.74 | 1.2 |
| RE DISCCART | -162.63 | -120.21 | 1.2 |
| RE DISCCART | -169.71 | -113.14 | 1.2 |
| RE DISCCART | -176.78 | -106.07 | 1.2 |
| RE DISCCART | -183.85 | -98.99 | 1.2 |
| RE DISCCART | -190.92 | -91.92 | 1.2 |
| RE DISCCART | -197.99 | -84.85 | 1.2 |
| RE DISCCART | -205.06 | -77.78 | 1.2 |
| RE DISCCART | -212.13 | -70.71 | 1.2 |
| RE DISCCART | -77.78 | -219.2 | 1.2 |
| RE DISCCART | -84.85 | -212.13 | 1.2 |
| RE DISCCART | -91.92 | -205.06 | 1.2 |
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| RE DISCCART | -106.07 | -190.92 | 1.2 |
| RE DISCCART | -113.14 | -183.85 | 1.2 |
| RE DISCCART | -120.21 | -176.78 | 1.2 |
| RE DISCCART | -127.28 | -169.71 | 1.2 |
| RE DISCCART | -130.81 | -166.17 | 1.2 |
| RE DISCCART | -134.35 | -162.63 | 1.2 |
| RE DISCCART | -136.47 | -160.51 | 1.2 |
| RE DISCCART | -137.89 | -159.1 | 1.2 |
| RE DISCCART | -139.3 | -157.68 | 1.2 |
| RE DISCCART | -140.71 | -156.27 | 1.2 |
| RE DISCCART | -142.13 | -154.86 | 1.2 |
| RE DISCCART | -154.86 | -142.13 | 1.2 |
| RE DISCCART | -156.27 | -140.71 | 1.2 |
| RE DISCCART | -157.68 | -139.3 | 1.2 |
| RE DISCCART | -159.1 | -137.89 | 1.2 |
| RE DISCCART | -160.51 | -136.47 | 1.2 |
| RE DISCCART | -162.63 | -134.35 | 1.2 |
| RE DISCCART | -166.17 | -130.81 | 1.2 |
| RE DISCCART | -169.71 | -127.28 | 1.2 |
| RE DISCCART | -176.78 | -120.21 | 1.2 |
| RE DISCCART | -183.85 | -113.14 | 1.2 |
| RE DISCCART | -190.92 | -106.07 | 1.2 |
| RE DISCCART | -197.99 | -98.99 | 1.2 |

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| RE DISCCART | -205.06 | -91.92 | 1.2 |
| RE DISCCART | -212.13 | -84.85 | 1.2 |
| RE DISCCART | -219.2 | -77.78 | 1.2 |
| RE DISCCART | -84.85 | -226.27 | 1.2 |
| RE DISCCART | -91.92 | -219.2 | 1.2 |
| RE DISCCART | -98.99 | -212.13 | 1.2 |
| RE DISCCART | -106.07 | -205.06 | 1.2 |
| RE DISCCART | -113.14 | -197.99 | 1.2 |
| RE DISCCART | -120.21 | -190.92 | 1.2 |
| RE DISCCART | -127.28 | -183.85 | 1.2 |
| RE DISCCART | -134.35 | -176.78 | 1.2 |
| RE DISCCART | -137.89 | -173.24 | 1.2 |
| RE DISCCART | -141.42 | -169.71 | 1.2 |
| RE DISCCART | -143.54 | -167.58 | 1.2 |
| RE DISCCART | -144.96 | -166.17 | 1.2 |
| RE DISCCART | -146.37 | -164.76 | 1.2 |
| RE DISCCART | -147.79 | -163.34 | 1.2 |
| RE DISCCART | -149.2 | -161.93 | 1.2 |
| RE DISCCART | -161.93 | -149.2 | 1.2 |
| RE DISCCART | -163.34 | -147.79 | 1.2 |
| RE DISCCART | -164.76 | -146.37 | 1.2 |
| RE DISCCART | -166.17 | -144.96 | 1.2 |
| RE DISCCART | -167.58 | -143.54 | 1.2 |
| RE DISCCART | -169.71 | -141.42 | 1.2 |
| RE DISCCART | -173.24 | -137.89 | 1.2 |
| RE DISCCART | -176.78 | -134.35 | 1.2 |
| RE DISCCART | -183.85 | -127.28 | 1.2 |
| RE DISCCART | -190.92 | -120.21 | 1.2 |
| RE DISCCART | -197.99 | -113.14 | 1.2 |
| RE DISCCART | -205.06 | -106.07 | 1.2 |
| RE DISCCART | -212.13 | -98.99 | 1.2 |
| RE DISCCART | -219.2 | -91.92 | 1.2 |
| RE DISCCART | -226.27 | -84.85 | 1.2 |
| RE DISCCART | -91.92 | -233.35 | 1.2 |
| RE DISCCART | -98.99 | -226.27 | 1.2 |
| RE DISCCART | -106.07 | -219.2 | 1.2 |
| RE DISCCART | -113.14 | -212.13 | 1.2 |
| RE DISCCART | -120.21 | -205.06 | 1.2 |
| RE DISCCART | -127.28 | -197.99 | 1.2 |
| RE DISCCART | -134.35 | -190.92 | 1.2 |
| RE DISCCART | -141.42 | -183.85 | 1.2 |
| RE DISCCART | -144.96 | -180.31 | 1.2 |
| RE DISCCART | -148.49 | -176.78 | 1.2 |
| RE DISCCART | -150.61 | -174.66 | 1.2 |

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| RE DISCCART | -152.03 | -173.24 | 1.2 |
| RE DISCCART | -153.44 | -171.83 | 1.2 |
| RE DISCCART | -154.86 | -170.41 | 1.2 |
| RE DISCCART | -156.27 | -169.0 | 1.2 |
| RE DISCCART | -169.0 | -156.27 | 1.2 |
| RE DISCCART | -170.41 | -154.86 | 1.2 |
| RE DISCCART | -171.83 | -153.44 | 1.2 |
| RE DISCCART | -173.24 | -152.03 | 1.2 |
| RE DISCCART | -174.66 | -150.61 | 1.2 |
| RE DISCCART | -176.78 | -148.49 | 1.2 |
| RE DISCCART | -180.31 | -144.96 | 1.2 |
| RE DISCCART | -183.85 | -141.42 | 1.2 |
| RE DISCCART | -190.92 | -134.35 | 1.2 |
| RE DISCCART | -197.99 | -127.28 | 1.2 |
| RE DISCCART | -205.06 | -120.21 | 1.2 |
| RE DISCCART | -212.13 | -113.14 | 1.2 |
| RE DISCCART | -219.2 | -106.07 | 1.2 |
| RE DISCCART | -226.27 | -98.99 | 1.2 |
| RE DISCCART | -233.35 | -91.92 | 1.2 |
| RE DISCCART | -98.99 | -240.42 | 1.2 |
| RE DISCCART | -106.07 | -233.35 | 1.2 |
| RE DISCCART | -113.14 | -226.27 | 1.2 |
| RE DISCCART | -120.21 | -219.2 | 1.2 |
| RE DISCCART | -127.28 | -212.13 | 1.2 |
| RE DISCCART | -134.35 | -205.06 | 1.2 |
| RE DISCCART | -141.42 | -197.99 | 1.2 |
| RE DISCCART | -148.49 | -190.92 | 1.2 |
| RE DISCCART | -152.03 | -187.38 | 1.2 |
| RE DISCCART | -155.56 | -183.85 | 1.2 |
| RE DISCCART | -157.68 | -181.73 | 1.2 |
| RE DISCCART | -159.1 | -180.31 | 1.2 |
| RE DISCCART | -160.51 | -178.9 | 1.2 |
| RE DISCCART | -161.93 | -177.48 | 1.2 |
| RE DISCCART | -163.34 | -176.07 | 1.2 |
| RE DISCCART | -176.07 | -163.34 | 1.2 |
| RE DISCCART | -177.48 | -161.93 | 1.2 |
| RE DISCCART | -178.9 | -160.51 | 1.2 |
| RE DISCCART | -180.31 | -159.1 | 1.2 |
| RE DISCCART | -181.73 | -157.68 | 1.2 |
| RE DISCCART | -183.85 | -155.56 | 1.2 |
| RE DISCCART | -187.38 | -152.03 | 1.2 |
| RE DISCCART | -190.92 | -148.49 | 1.2 |
| RE DISCCART | -197.99 | -141.42 | 1.2 |
| RE DISCCART | -205.06 | -134.35 | 1.2 |

RE DISCCART -212.13 -127.28 1.2
RE DISCCART -219.2 -120.21 1.2
RE DISCCART -226.27 -113.14 1.2
RE DISCCART -233.35 -106.07 1.2
RE DISCCART -240.42 -98.99 1.2
RE DISCCART -106.07 -247.49 1.2
RE DISCCART -113.14 -240.42 1.2
RE DISCCART -120.21 -233.35 1.2
RE DISCCART -127.28 -226.27 1.2
RE DISCCART -134.35 -219.2 1.2
RE DISCCART -141.42 -212.13 1.2
RE DISCCART -148.49 -205.06 1.2
RE DISCCART -155.56 -197.99 1.2
RE DISCCART -159.1 -194.45 1.2
RE DISCCART -162.63 -190.92 1.2
RE DISCCART -164.76 -188.8 1.2
RE DISCCART -166.17 -187.38 1.2
RE DISCCART -167.58 -185.97 1.2
RE DISCCART -169.0 -184.55 1.2
RE DISCCART -170.41 -183.14 1.2
RE DISCCART -183.14 -170.41 1.2
RE DISCCART -184.55 -169.0 1.2
RE DISCCART -185.97 -167.58 1.2
RE DISCCART -187.38 -166.17 1.2
RE DISCCART -188.8 -164.76 1.2
RE DISCCART -190.92 -162.63 1.2
RE DISCCART -194.45 -159.1 1.2
RE DISCCART -197.99 -155.56 1.2
RE DISCCART -205.06 -148.49 1.2
RE DISCCART -212.13 -141.42 1.2
RE DISCCART -219.2 -134.35 1.2
RE DISCCART -226.27 -127.28 1.2
RE DISCCART -233.35 -120.21 1.2
RE DISCCART -240.42 -113.14 1.2
RE DISCCART -247.49 -106.07 1.2
RE FINISHED

ME STARTING

ME INPUTFIL "C:\NCRA\MODELING\MET DATA\PETALUMA\PET97300.ASC"

ME ANEMHGHT 10 METERS

ME SURFDATA 9901 1997

ME UAIRDATA 9901 1997

ME STARTEND 1997 01 01 1 1997 12 31 24

ME FINISHED

OU STARTING

OU FINISHED

** PROJECTN 0 104 7 -177 0 0.9996 500000 0

** OUTFILE "C:\NCRA\Modeling\DPM Risk\Traveling Trains\Petaluma\15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound.lst"

** RAWFILE "C:\NCRA\Modeling\DPM Risk\Traveling Trains\Petaluma\15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound.RAW"

** RAWFMT 2

** HILLBOUN 0 0 0 0

*** SETUP Finishes Successfully ***

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:

PAGE 1

CONC URBAN FLAT FLGPOL DFAULT

*** MODEL SETUP OPTIONS SUMMARY ***

**Intermediate Terrain Processing is Selected

**Model Is Setup For Calculation of Average CONCentration Values.

-- SCAVENGING/DEPOSITION LOGIC --

**Model Uses NO DRY DEPLETION. DDPLETE = F

**Model Uses NO WET DEPLETION. WDPLETE = F

**NO WET SCAVENGING Data Provided.

**NO GAS DRY DEPOSITION Data Provided.

**Model Does NOT Use GRIDDED TERRAIN Data for Depletion Calculations

**Model Uses URBAN Dispersion.

**Model Uses Regulatory DEFAULT Options:

- 1. Final Plume Rise.
- 2. Stack-tip Downwash.
- 3. Buoyancy-induced Dispersion.
- 4. Use Calms Processing Routine.
- 5. Not Use Missing Data Processing Routine.
- 6. Default Wind Profile Exponents.
- 7. Default Vertical Potential Temperature Gradients.
- 8. "Upper Bound" Values for Supersquat Buildings.
- 9. No Exponential Decay for URBAN/Non-SO2

**Model Assumes Receptors on FLAT Terrain.

**Model Accepts FLAGPOLE Receptor Heights.

**Model Calculates ANNUAL Averages Only

**This Run Includes: 5 Source(s); 6 Source Group(s); and 1530 Receptor(s)

**The Model Assumes A Pollutant Type of: OTHER

**Model Set To Continue RUNning After the Setup Testing.

**Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Anem. Hgt. (m) = 10.00 ; Decay Coef. = 0.0000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor =

0.10000E+07

Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 1.3 MB of RAM.

**Input Runstream File: C:\NCRA\MODELING\DPMRIS-1\TRAVEL-1\PETALUMA\15NCRA-1.DAT

**Output Print File:

C:\NCRA\MODELING\DPMRIS-1\TRAVEL-1\PETALUMA\15NCRA-1.LST

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:

PAGE 2

CONC URBAN FLAT FLGPOL DFAULT

*** AREA SOURCE DATA ***

| EMISSION RATE SOURCE SCALAR VARY BY ID | NUMBER PART. CATS. | EMISSION RATE (GRAMS/SEC /METER**2) | COORD (SW CORNER) X Y (METERS) (METERS) | | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | X-DIM OF AREA (METERS) | Y-DIM OF AREA (METERS) | ORIENT. OF AREA (DEG.) | INIT. SZ (METERS) |
|--|--------------------|-------------------------------------|---|-------|---------------------|-------------------------|------------------------|------------------------|------------------------|-------------------|
| NCRA_S1 | 0 | 0.21100E-07 | -92.3 | -98.6 | 0.0 | 4.95 | 9.00 | 90.00 | -135.00 | 2.30 |
| NCRA_S2 | 0 | 0.21100E-07 | -28.6 | -35.0 | 0.0 | 4.95 | 9.00 | 90.00 | -135.00 | 2.30 |
| NCRA_S3 | 0 | 0.21100E-07 | 35.0 | 28.6 | 0.0 | 4.95 | 9.00 | 90.00 | -135.00 | 2.30 |
| NCRA_S4 | 0 | 0.21100E-07 | 98.6 | 92.3 | 0.0 | 4.95 | 9.00 | 90.00 | -135.00 | 2.30 |
| NCRA_S5 | 0 | 0.21100E-07 | 162.3 | 155.9 | 0.0 | 4.95 | 9.00 | 90.00 | -135.00 | 2.30 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:

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CONC URBAN FLAT FLGPOL DFAULT

*** SOURCE IDs DEFINING SOURCE GROUPS ***

GROUP ID SOURCE IDs

- NCRA_S1 NCRA_S1 ,
- NCRA_S2 NCRA_S2 ,
- NCRA_S3 NCRA_S3 ,
- NCRA_S4 NCRA_S4 ,
- NCRA_S5 NCRA_S5 ,

ALL NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:

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CONC URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

- (247.5, 106.1, 0.0, 1.2); (240.4, 113.1, 0.0, 1.2);
- (233.4, 120.2, 0.0, 1.2); (226.3, 127.3, 0.0, 1.2);
- (219.2, 134.4, 0.0, 1.2); (212.1, 141.4, 0.0, 1.2);

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (205.1, | 148.5, | 0.0, | 1.2); | (198.0, | 155.6, | 0.0, | 1.2); |
| (194.4, | 159.1, | 0.0, | 1.2); | (190.9, | 162.6, | 0.0, | 1.2); |
| (188.8, | 164.8, | 0.0, | 1.2); | (187.4, | 166.2, | 0.0, | 1.2); |
| (186.0, | 167.6, | 0.0, | 1.2); | (184.6, | 169.0, | 0.0, | 1.2); |
| (183.1, | 170.4, | 0.0, | 1.2); | (170.4, | 183.1, | 0.0, | 1.2); |
| (169.0, | 184.6, | 0.0, | 1.2); | (167.6, | 186.0, | 0.0, | 1.2); |
| (166.2, | 187.4, | 0.0, | 1.2); | (164.8, | 188.8, | 0.0, | 1.2); |
| (162.6, | 190.9, | 0.0, | 1.2); | (159.1, | 194.4, | 0.0, | 1.2); |
| (155.6, | 198.0, | 0.0, | 1.2); | (148.5, | 205.1, | 0.0, | 1.2); |
| (141.4, | 212.1, | 0.0, | 1.2); | (134.4, | 219.2, | 0.0, | 1.2); |
| (127.3, | 226.3, | 0.0, | 1.2); | (120.2, | 233.4, | 0.0, | 1.2); |
| (113.1, | 240.4, | 0.0, | 1.2); | (106.1, | 247.5, | 0.0, | 1.2); |
| (240.4, | 99.0, | 0.0, | 1.2); | (233.4, | 106.1, | 0.0, | 1.2); |
| (226.3, | 113.1, | 0.0, | 1.2); | (219.2, | 120.2, | 0.0, | 1.2); |
| (212.1, | 127.3, | 0.0, | 1.2); | (205.1, | 134.4, | 0.0, | 1.2); |
| (198.0, | 141.4, | 0.0, | 1.2); | (190.9, | 148.5, | 0.0, | 1.2); |
| (187.4, | 152.0, | 0.0, | 1.2); | (183.9, | 155.6, | 0.0, | 1.2); |
| (181.7, | 157.7, | 0.0, | 1.2); | (180.3, | 159.1, | 0.0, | 1.2); |
| (178.9, | 160.5, | 0.0, | 1.2); | (177.5, | 161.9, | 0.0, | 1.2); |
| (176.1, | 163.3, | 0.0, | 1.2); | (163.3, | 176.1, | 0.0, | 1.2); |
| (161.9, | 177.5, | 0.0, | 1.2); | (160.5, | 178.9, | 0.0, | 1.2); |
| (159.1, | 180.3, | 0.0, | 1.2); | (157.7, | 181.7, | 0.0, | 1.2); |
| (155.6, | 183.9, | 0.0, | 1.2); | (152.0, | 187.4, | 0.0, | 1.2); |
| (148.5, | 190.9, | 0.0, | 1.2); | (141.4, | 198.0, | 0.0, | 1.2); |
| (134.4, | 205.1, | 0.0, | 1.2); | (127.3, | 212.1, | 0.0, | 1.2); |
| (120.2, | 219.2, | 0.0, | 1.2); | (113.1, | 226.3, | 0.0, | 1.2); |
| (106.1, | 233.4, | 0.0, | 1.2); | (99.0, | 240.4, | 0.0, | 1.2); |
| (233.4, | 91.9, | 0.0, | 1.2); | (226.3, | 99.0, | 0.0, | 1.2); |
| (219.2, | 106.1, | 0.0, | 1.2); | (212.1, | 113.1, | 0.0, | 1.2); |
| (205.1, | 120.2, | 0.0, | 1.2); | (198.0, | 127.3, | 0.0, | 1.2); |
| (190.9, | 134.4, | 0.0, | 1.2); | (183.9, | 141.4, | 0.0, | 1.2); |
| (180.3, | 145.0, | 0.0, | 1.2); | (176.8, | 148.5, | 0.0, | 1.2); |
| (174.7, | 150.6, | 0.0, | 1.2); | (173.2, | 152.0, | 0.0, | 1.2); |
| (171.8, | 153.4, | 0.0, | 1.2); | (170.4, | 154.9, | 0.0, | 1.2); |
| (169.0, | 156.3, | 0.0, | 1.2); | (156.3, | 169.0, | 0.0, | 1.2); |
| (154.9, | 170.4, | 0.0, | 1.2); | (153.4, | 171.8, | 0.0, | 1.2); |
| (152.0, | 173.2, | 0.0, | 1.2); | (150.6, | 174.7, | 0.0, | 1.2); |
| (148.5, | 176.8, | 0.0, | 1.2); | (145.0, | 180.3, | 0.0, | 1.2); |
| (141.4, | 183.9, | 0.0, | 1.2); | (134.4, | 190.9, | 0.0, | 1.2); |
| (127.3, | 198.0, | 0.0, | 1.2); | (120.2, | 205.1, | 0.0, | 1.2); |
| (113.1, | 212.1, | 0.0, | 1.2); | (106.1, | 219.2, | 0.0, | 1.2); |
| (99.0, | 226.3, | 0.0, | 1.2); | (91.9, | 233.4, | 0.0, | 1.2); |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

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**MODELOPTs:
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CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

| | |
|----------------------------|----------------------------|
| (226.3, 84.8, 0.0, 1.2); | (219.2, 91.9, 0.0, 1.2); |
| (212.1, 99.0, 0.0, 1.2); | (205.1, 106.1, 0.0, 1.2); |
| (198.0, 113.1, 0.0, 1.2); | (190.9, 120.2, 0.0, 1.2); |
| (183.9, 127.3, 0.0, 1.2); | (176.8, 134.4, 0.0, 1.2); |
| (173.2, 137.9, 0.0, 1.2); | (169.7, 141.4, 0.0, 1.2); |
| (167.6, 143.5, 0.0, 1.2); | (166.2, 145.0, 0.0, 1.2); |
| (164.8, 146.4, 0.0, 1.2); | (163.3, 147.8, 0.0, 1.2); |
| (161.9, 149.2, 0.0, 1.2); | (149.2, 161.9, 0.0, 1.2); |
| (147.8, 163.3, 0.0, 1.2); | (146.4, 164.8, 0.0, 1.2); |
| (145.0, 166.2, 0.0, 1.2); | (143.5, 167.6, 0.0, 1.2); |
| (141.4, 169.7, 0.0, 1.2); | (137.9, 173.2, 0.0, 1.2); |
| (134.4, 176.8, 0.0, 1.2); | (127.3, 183.9, 0.0, 1.2); |
| (120.2, 190.9, 0.0, 1.2); | (113.1, 198.0, 0.0, 1.2); |
| (106.1, 205.1, 0.0, 1.2); | (99.0, 212.1, 0.0, 1.2); |
| (91.9, 219.2, 0.0, 1.2); | (84.8, 226.3, 0.0, 1.2); |
| (219.2, 77.8, 0.0, 1.2); | (212.1, 84.8, 0.0, 1.2); |
| (205.1, 91.9, 0.0, 1.2); | (198.0, 99.0, 0.0, 1.2); |
| (190.9, 106.1, 0.0, 1.2); | (183.9, 113.1, 0.0, 1.2); |
| (176.8, 120.2, 0.0, 1.2); | (169.7, 127.3, 0.0, 1.2); |
| (166.2, 130.8, 0.0, 1.2); | (162.6, 134.4, 0.0, 1.2); |
| (160.5, 136.5, 0.0, 1.2); | (159.1, 137.9, 0.0, 1.2); |
| (157.7, 139.3, 0.0, 1.2); | (156.3, 140.7, 0.0, 1.2); |
| (154.9, 142.1, 0.0, 1.2); | (142.1, 154.9, 0.0, 1.2); |
| (140.7, 156.3, 0.0, 1.2); | (139.3, 157.7, 0.0, 1.2); |
| (137.9, 159.1, 0.0, 1.2); | (136.5, 160.5, 0.0, 1.2); |
| (134.4, 162.6, 0.0, 1.2); | (130.8, 166.2, 0.0, 1.2); |
| (127.3, 169.7, 0.0, 1.2); | (120.2, 176.8, 0.0, 1.2); |
| (113.1, 183.9, 0.0, 1.2); | (106.1, 190.9, 0.0, 1.2); |
| (99.0, 198.0, 0.0, 1.2); | (91.9, 205.1, 0.0, 1.2); |
| (84.8, 212.1, 0.0, 1.2); | (77.8, 219.2, 0.0, 1.2); |
| (212.1, 70.7, 0.0, 1.2); | (205.1, 77.8, 0.0, 1.2); |
| (198.0, 84.8, 0.0, 1.2); | (190.9, 91.9, 0.0, 1.2); |
| (183.9, 99.0, 0.0, 1.2); | (176.8, 106.1, 0.0, 1.2); |
| (169.7, 113.1, 0.0, 1.2); | (162.6, 120.2, 0.0, 1.2); |
| (159.1, 123.7, 0.0, 1.2); | (155.6, 127.3, 0.0, 1.2); |
| (153.4, 129.4, 0.0, 1.2); | (152.0, 130.8, 0.0, 1.2); |
| (150.6, 132.2, 0.0, 1.2); | (149.2, 133.6, 0.0, 1.2); |
| (147.8, 135.1, 0.0, 1.2); | (135.1, 147.8, 0.0, 1.2); |
| (133.6, 149.2, 0.0, 1.2); | (132.2, 150.6, 0.0, 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (130.8, | 152.0, | 0.0, | 1.2); | (129.4, | 153.4, | 0.0, | 1.2); |
| (127.3, | 155.6, | 0.0, | 1.2); | (123.7, | 159.1, | 0.0, | 1.2); |
| (120.2, | 162.6, | 0.0, | 1.2); | (113.1, | 169.7, | 0.0, | 1.2); |
| (106.1, | 176.8, | 0.0, | 1.2); | (99.0, | 183.9, | 0.0, | 1.2); |
| (91.9, | 190.9, | 0.0, | 1.2); | (84.8, | 198.0, | 0.0, | 1.2); |
| (77.8, | 205.1, | 0.0, | 1.2); | (70.7, | 212.1, | 0.0, | 1.2); |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (205.1, | 63.6, | 0.0, | 1.2); | (198.0, | 70.7, | 0.0, | 1.2); |
| (190.9, | 77.8, | 0.0, | 1.2); | (183.9, | 84.8, | 0.0, | 1.2); |
| (176.8, | 91.9, | 0.0, | 1.2); | (169.7, | 99.0, | 0.0, | 1.2); |
| (162.6, | 106.1, | 0.0, | 1.2); | (155.6, | 113.1, | 0.0, | 1.2); |
| (152.0, | 116.7, | 0.0, | 1.2); | (148.5, | 120.2, | 0.0, | 1.2); |
| (146.4, | 122.3, | 0.0, | 1.2); | (145.0, | 123.7, | 0.0, | 1.2); |
| (143.5, | 125.2, | 0.0, | 1.2); | (142.1, | 126.6, | 0.0, | 1.2); |
| (140.7, | 128.0, | 0.0, | 1.2); | (128.0, | 140.7, | 0.0, | 1.2); |
| (126.6, | 142.1, | 0.0, | 1.2); | (125.2, | 143.5, | 0.0, | 1.2); |
| (123.7, | 145.0, | 0.0, | 1.2); | (122.3, | 146.4, | 0.0, | 1.2); |
| (120.2, | 148.5, | 0.0, | 1.2); | (116.7, | 152.0, | 0.0, | 1.2); |
| (113.1, | 155.6, | 0.0, | 1.2); | (106.1, | 162.6, | 0.0, | 1.2); |
| (99.0, | 169.7, | 0.0, | 1.2); | (91.9, | 176.8, | 0.0, | 1.2); |
| (84.8, | 183.9, | 0.0, | 1.2); | (77.8, | 190.9, | 0.0, | 1.2); |
| (70.7, | 198.0, | 0.0, | 1.2); | (63.6, | 205.1, | 0.0, | 1.2); |
| (198.0, | 56.6, | 0.0, | 1.2); | (190.9, | 63.6, | 0.0, | 1.2); |
| (183.9, | 70.7, | 0.0, | 1.2); | (176.8, | 77.8, | 0.0, | 1.2); |
| (169.7, | 84.8, | 0.0, | 1.2); | (162.6, | 91.9, | 0.0, | 1.2); |
| (155.6, | 99.0, | 0.0, | 1.2); | (148.5, | 106.1, | 0.0, | 1.2); |
| (145.0, | 109.6, | 0.0, | 1.2); | (141.4, | 113.1, | 0.0, | 1.2); |
| (139.3, | 115.3, | 0.0, | 1.2); | (137.9, | 116.7, | 0.0, | 1.2); |
| (136.5, | 118.1, | 0.0, | 1.2); | (135.1, | 119.5, | 0.0, | 1.2); |
| (133.6, | 120.9, | 0.0, | 1.2); | (120.9, | 133.6, | 0.0, | 1.2); |
| (119.5, | 135.1, | 0.0, | 1.2); | (118.1, | 136.5, | 0.0, | 1.2); |
| (116.7, | 137.9, | 0.0, | 1.2); | (115.3, | 139.3, | 0.0, | 1.2); |
| (113.1, | 141.4, | 0.0, | 1.2); | (109.6, | 145.0, | 0.0, | 1.2); |
| (106.1, | 148.5, | 0.0, | 1.2); | (99.0, | 155.6, | 0.0, | 1.2); |
| (91.9, | 162.6, | 0.0, | 1.2); | (84.8, | 169.7, | 0.0, | 1.2); |
| (77.8, | 176.8, | 0.0, | 1.2); | (70.7, | 183.9, | 0.0, | 1.2); |
| (63.6, | 190.9, | 0.0, | 1.2); | (56.6, | 198.0, | 0.0, | 1.2); |
| (190.9, | 49.5, | 0.0, | 1.2); | (183.9, | 56.6, | 0.0, | 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (176.8, | 63.6, | 0.0, | 1.2); | (169.7, | 70.7, | 0.0, | 1.2); |
| (162.6, | 77.8, | 0.0, | 1.2); | (155.6, | 84.8, | 0.0, | 1.2); |
| (148.5, | 91.9, | 0.0, | 1.2); | (141.4, | 99.0, | 0.0, | 1.2); |
| (137.9, | 102.5, | 0.0, | 1.2); | (134.4, | 106.1, | 0.0, | 1.2); |
| (132.2, | 108.2, | 0.0, | 1.2); | (130.8, | 109.6, | 0.0, | 1.2); |
| (129.4, | 111.0, | 0.0, | 1.2); | (128.0, | 112.4, | 0.0, | 1.2); |
| (126.6, | 113.8, | 0.0, | 1.2); | (113.8, | 126.6, | 0.0, | 1.2); |
| (112.4, | 128.0, | 0.0, | 1.2); | (111.0, | 129.4, | 0.0, | 1.2); |
| (109.6, | 130.8, | 0.0, | 1.2); | (108.2, | 132.2, | 0.0, | 1.2); |
| (106.1, | 134.4, | 0.0, | 1.2); | (102.5, | 137.9, | 0.0, | 1.2); |
| (99.0, | 141.4, | 0.0, | 1.2); | (91.9, | 148.5, | 0.0, | 1.2); |
| (84.8, | 155.6, | 0.0, | 1.2); | (77.8, | 162.6, | 0.0, | 1.2); |
| (70.7, | 169.7, | 0.0, | 1.2); | (63.6, | 176.8, | 0.0, | 1.2); |
| (56.6, | 183.9, | 0.0, | 1.2); | (49.5, | 190.9, | 0.0, | 1.2); |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 7
 CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (183.9, | 42.4, | 0.0, | 1.2); | (176.8, | 49.5, | 0.0, | 1.2); |
| (169.7, | 56.6, | 0.0, | 1.2); | (162.6, | 63.6, | 0.0, | 1.2); |
| (155.6, | 70.7, | 0.0, | 1.2); | (148.5, | 77.8, | 0.0, | 1.2); |
| (141.4, | 84.8, | 0.0, | 1.2); | (134.4, | 91.9, | 0.0, | 1.2); |
| (130.8, | 95.5, | 0.0, | 1.2); | (127.3, | 99.0, | 0.0, | 1.2); |
| (125.2, | 101.1, | 0.0, | 1.2); | (123.7, | 102.5, | 0.0, | 1.2); |
| (122.3, | 103.9, | 0.0, | 1.2); | (120.9, | 105.4, | 0.0, | 1.2); |
| (119.5, | 106.8, | 0.0, | 1.2); | (106.8, | 119.5, | 0.0, | 1.2); |
| (105.4, | 120.9, | 0.0, | 1.2); | (103.9, | 122.3, | 0.0, | 1.2); |
| (102.5, | 123.7, | 0.0, | 1.2); | (101.1, | 125.2, | 0.0, | 1.2); |
| (99.0, | 127.3, | 0.0, | 1.2); | (95.5, | 130.8, | 0.0, | 1.2); |
| (91.9, | 134.4, | 0.0, | 1.2); | (84.8, | 141.4, | 0.0, | 1.2); |
| (77.8, | 148.5, | 0.0, | 1.2); | (70.7, | 155.6, | 0.0, | 1.2); |
| (63.6, | 162.6, | 0.0, | 1.2); | (56.6, | 169.7, | 0.0, | 1.2); |
| (49.5, | 176.8, | 0.0, | 1.2); | (42.4, | 183.9, | 0.0, | 1.2); |
| (176.8, | 35.4, | 0.0, | 1.2); | (169.7, | 42.4, | 0.0, | 1.2); |
| (162.6, | 49.5, | 0.0, | 1.2); | (155.6, | 56.6, | 0.0, | 1.2); |
| (148.5, | 63.6, | 0.0, | 1.2); | (141.4, | 70.7, | 0.0, | 1.2); |
| (134.4, | 77.8, | 0.0, | 1.2); | (127.3, | 84.8, | 0.0, | 1.2); |
| (123.7, | 88.4, | 0.0, | 1.2); | (120.2, | 91.9, | 0.0, | 1.2); |
| (118.1, | 94.1, | 0.0, | 1.2); | (116.7, | 95.5, | 0.0, | 1.2); |
| (115.3, | 96.9, | 0.0, | 1.2); | (113.8, | 98.3, | 0.0, | 1.2); |
| (112.4, | 99.7, | 0.0, | 1.2); | (99.7, | 112.4, | 0.0, | 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (98.3, | 113.8, | 0.0, | 1.2); | (96.9, | 115.3, | 0.0, | 1.2); |
| (95.5, | 116.7, | 0.0, | 1.2); | (94.1, | 118.1, | 0.0, | 1.2); |
| (91.9, | 120.2, | 0.0, | 1.2); | (88.4, | 123.7, | 0.0, | 1.2); |
| (84.8, | 127.3, | 0.0, | 1.2); | (77.8, | 134.4, | 0.0, | 1.2); |
| (70.7, | 141.4, | 0.0, | 1.2); | (63.6, | 148.5, | 0.0, | 1.2); |
| (56.6, | 155.6, | 0.0, | 1.2); | (49.5, | 162.6, | 0.0, | 1.2); |
| (42.4, | 169.7, | 0.0, | 1.2); | (35.4, | 176.8, | 0.0, | 1.2); |
| (169.7, | 28.3, | 0.0, | 1.2); | (162.6, | 35.4, | 0.0, | 1.2); |
| (155.6, | 42.4, | 0.0, | 1.2); | (148.5, | 49.5, | 0.0, | 1.2); |
| (141.4, | 56.6, | 0.0, | 1.2); | (134.4, | 63.6, | 0.0, | 1.2); |
| (127.3, | 70.7, | 0.0, | 1.2); | (120.2, | 77.8, | 0.0, | 1.2); |
| (116.7, | 81.3, | 0.0, | 1.2); | (113.1, | 84.8, | 0.0, | 1.2); |
| (111.0, | 87.0, | 0.0, | 1.2); | (109.6, | 88.4, | 0.0, | 1.2); |
| (108.2, | 89.8, | 0.0, | 1.2); | (106.8, | 91.2, | 0.0, | 1.2); |
| (105.4, | 92.6, | 0.0, | 1.2); | (92.6, | 105.4, | 0.0, | 1.2); |
| (91.2, | 106.8, | 0.0, | 1.2); | (89.8, | 108.2, | 0.0, | 1.2); |
| (88.4, | 109.6, | 0.0, | 1.2); | (87.0, | 111.0, | 0.0, | 1.2); |
| (84.8, | 113.1, | 0.0, | 1.2); | (81.3, | 116.7, | 0.0, | 1.2); |
| (77.8, | 120.2, | 0.0, | 1.2); | (70.7, | 127.3, | 0.0, | 1.2); |
| (63.6, | 134.4, | 0.0, | 1.2); | (56.6, | 141.4, | 0.0, | 1.2); |
| (49.5, | 148.5, | 0.0, | 1.2); | (42.4, | 155.6, | 0.0, | 1.2); |
| (35.4, | 162.6, | 0.0, | 1.2); | (28.3, | 169.7, | 0.0, | 1.2); |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 8
 CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (162.6, | 21.2, | 0.0, | 1.2); | (155.6, | 28.3, | 0.0, | 1.2); |
| (148.5, | 35.4, | 0.0, | 1.2); | (141.4, | 42.4, | 0.0, | 1.2); |
| (134.4, | 49.5, | 0.0, | 1.2); | (127.3, | 56.6, | 0.0, | 1.2); |
| (120.2, | 63.6, | 0.0, | 1.2); | (113.1, | 70.7, | 0.0, | 1.2); |
| (109.6, | 74.2, | 0.0, | 1.2); | (106.1, | 77.8, | 0.0, | 1.2); |
| (103.9, | 79.9, | 0.0, | 1.2); | (102.5, | 81.3, | 0.0, | 1.2); |
| (101.1, | 82.7, | 0.0, | 1.2); | (99.7, | 84.2, | 0.0, | 1.2); |
| (98.3, | 85.6, | 0.0, | 1.2); | (85.6, | 98.3, | 0.0, | 1.2); |
| (84.2, | 99.7, | 0.0, | 1.2); | (82.7, | 101.1, | 0.0, | 1.2); |
| (81.3, | 102.5, | 0.0, | 1.2); | (79.9, | 103.9, | 0.0, | 1.2); |
| (77.8, | 106.1, | 0.0, | 1.2); | (74.2, | 109.6, | 0.0, | 1.2); |
| (70.7, | 113.1, | 0.0, | 1.2); | (63.6, | 120.2, | 0.0, | 1.2); |
| (56.6, | 127.3, | 0.0, | 1.2); | (49.5, | 134.4, | 0.0, | 1.2); |
| (42.4, | 141.4, | 0.0, | 1.2); | (35.4, | 148.5, | 0.0, | 1.2); |
| (28.3, | 155.6, | 0.0, | 1.2); | (21.2, | 162.6, | 0.0, | 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (155.6, | 14.1, | 0.0, | 1.2); | (148.5, | 21.2, | 0.0, | 1.2); |
| (141.4, | 28.3, | 0.0, | 1.2); | (134.4, | 35.4, | 0.0, | 1.2); |
| (127.3, | 42.4, | 0.0, | 1.2); | (120.2, | 49.5, | 0.0, | 1.2); |
| (113.1, | 56.6, | 0.0, | 1.2); | (106.1, | 63.6, | 0.0, | 1.2); |
| (102.5, | 67.2, | 0.0, | 1.2); | (99.0, | 70.7, | 0.0, | 1.2); |
| (96.9, | 72.8, | 0.0, | 1.2); | (95.5, | 74.2, | 0.0, | 1.2); |
| (94.1, | 75.7, | 0.0, | 1.2); | (92.6, | 77.1, | 0.0, | 1.2); |
| (91.2, | 78.5, | 0.0, | 1.2); | (78.5, | 91.2, | 0.0, | 1.2); |
| (77.1, | 92.6, | 0.0, | 1.2); | (75.7, | 94.1, | 0.0, | 1.2); |
| (74.2, | 95.5, | 0.0, | 1.2); | (72.8, | 96.9, | 0.0, | 1.2); |
| (70.7, | 99.0, | 0.0, | 1.2); | (67.2, | 102.5, | 0.0, | 1.2); |
| (63.6, | 106.1, | 0.0, | 1.2); | (56.6, | 113.1, | 0.0, | 1.2); |
| (49.5, | 120.2, | 0.0, | 1.2); | (42.4, | 127.3, | 0.0, | 1.2); |
| (35.4, | 134.4, | 0.0, | 1.2); | (28.3, | 141.4, | 0.0, | 1.2); |
| (21.2, | 148.5, | 0.0, | 1.2); | (14.1, | 155.6, | 0.0, | 1.2); |
| (148.5, | 7.1, | 0.0, | 1.2); | (141.4, | 14.1, | 0.0, | 1.2); |
| (134.4, | 21.2, | 0.0, | 1.2); | (127.3, | 28.3, | 0.0, | 1.2); |
| (120.2, | 35.4, | 0.0, | 1.2); | (113.1, | 42.4, | 0.0, | 1.2); |
| (106.1, | 49.5, | 0.0, | 1.2); | (99.0, | 56.6, | 0.0, | 1.2); |
| (95.5, | 60.1, | 0.0, | 1.2); | (91.9, | 63.6, | 0.0, | 1.2); |
| (89.8, | 65.8, | 0.0, | 1.2); | (88.4, | 67.2, | 0.0, | 1.2); |
| (87.0, | 68.6, | 0.0, | 1.2); | (85.6, | 70.0, | 0.0, | 1.2); |
| (84.2, | 71.4, | 0.0, | 1.2); | (71.4, | 84.2, | 0.0, | 1.2); |
| (70.0, | 85.6, | 0.0, | 1.2); | (68.6, | 87.0, | 0.0, | 1.2); |
| (67.2, | 88.4, | 0.0, | 1.2); | (65.8, | 89.8, | 0.0, | 1.2); |
| (63.6, | 91.9, | 0.0, | 1.2); | (60.1, | 95.5, | 0.0, | 1.2); |
| (56.6, | 99.0, | 0.0, | 1.2); | (49.5, | 106.1, | 0.0, | 1.2); |
| (42.4, | 113.1, | 0.0, | 1.2); | (35.4, | 120.2, | 0.0, | 1.2); |
| (28.3, | 127.3, | 0.0, | 1.2); | (21.2, | 134.4, | 0.0, | 1.2); |
| (14.1, | 141.4, | 0.0, | 1.2); | (7.1, | 148.5, | 0.0, | 1.2); |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***

04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

PAGE 9

CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

| | | | | | | | |
|----------|-------|------|-------|----------|-------|------|-------|
| (141.4, | 0.0, | 0.0, | 1.2); | (134.4, | 7.1, | 0.0, | 1.2); |
| (127.3, | 14.1, | 0.0, | 1.2); | (120.2, | 21.2, | 0.0, | 1.2); |
| (113.1, | 28.3, | 0.0, | 1.2); | (106.1, | 35.4, | 0.0, | 1.2); |
| (99.0, | 42.4, | 0.0, | 1.2); | (91.9, | 49.5, | 0.0, | 1.2); |
| (88.4, | 53.0, | 0.0, | 1.2); | (84.8, | 56.6, | 0.0, | 1.2); |
| (82.7, | 58.7, | 0.0, | 1.2); | (81.3, | 60.1, | 0.0, | 1.2); |
| (79.9, | 61.5, | 0.0, | 1.2); | (78.5, | 62.9, | 0.0, | 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | |
|----------------------------|----------------------------|
| (77.1, 64.3, 0.0, 1.2); | (64.3, 77.1, 0.0, 1.2); |
| (62.9, 78.5, 0.0, 1.2); | (61.5, 79.9, 0.0, 1.2); |
| (60.1, 81.3, 0.0, 1.2); | (58.7, 82.7, 0.0, 1.2); |
| (56.6, 84.8, 0.0, 1.2); | (53.0, 88.4, 0.0, 1.2); |
| (49.5, 91.9, 0.0, 1.2); | (42.4, 99.0, 0.0, 1.2); |
| (35.4, 106.1, 0.0, 1.2); | (28.3, 113.1, 0.0, 1.2); |
| (21.2, 120.2, 0.0, 1.2); | (14.1, 127.3, 0.0, 1.2); |
| (7.1, 134.4, 0.0, 1.2); | (0.0, 141.4, 0.0, 1.2); |
| (134.4, -7.1, 0.0, 1.2); | (127.3, 0.0, 0.0, 1.2); |
| (120.2, 7.1, 0.0, 1.2); | (113.1, 14.1, 0.0, 1.2); |
| (106.1, 21.2, 0.0, 1.2); | (99.0, 28.3, 0.0, 1.2); |
| (91.9, 35.4, 0.0, 1.2); | (84.8, 42.4, 0.0, 1.2); |
| (81.3, 46.0, 0.0, 1.2); | (77.8, 49.5, 0.0, 1.2); |
| (75.7, 51.6, 0.0, 1.2); | (74.2, 53.0, 0.0, 1.2); |
| (72.8, 54.5, 0.0, 1.2); | (71.4, 55.9, 0.0, 1.2); |
| (70.0, 57.3, 0.0, 1.2); | (57.3, 70.0, 0.0, 1.2); |
| (55.9, 71.4, 0.0, 1.2); | (54.5, 72.8, 0.0, 1.2); |
| (53.0, 74.2, 0.0, 1.2); | (51.6, 75.7, 0.0, 1.2); |
| (49.5, 77.8, 0.0, 1.2); | (46.0, 81.3, 0.0, 1.2); |
| (42.4, 84.8, 0.0, 1.2); | (35.4, 91.9, 0.0, 1.2); |
| (28.3, 99.0, 0.0, 1.2); | (21.2, 106.1, 0.0, 1.2); |
| (14.1, 113.1, 0.0, 1.2); | (7.1, 120.2, 0.0, 1.2); |
| (0.0, 127.3, 0.0, 1.2); | (-7.1, 134.4, 0.0, 1.2); |
| (127.3, -14.1, 0.0, 1.2); | (120.2, -7.1, 0.0, 1.2); |
| (113.1, 0.0, 0.0, 1.2); | (106.1, 7.1, 0.0, 1.2); |
| (99.0, 14.1, 0.0, 1.2); | (91.9, 21.2, 0.0, 1.2); |
| (84.8, 28.3, 0.0, 1.2); | (77.8, 35.4, 0.0, 1.2); |
| (74.2, 38.9, 0.0, 1.2); | (70.7, 42.4, 0.0, 1.2); |
| (68.6, 44.5, 0.0, 1.2); | (67.2, 46.0, 0.0, 1.2); |
| (65.8, 47.4, 0.0, 1.2); | (64.3, 48.8, 0.0, 1.2); |
| (62.9, 50.2, 0.0, 1.2); | (50.2, 62.9, 0.0, 1.2); |
| (48.8, 64.3, 0.0, 1.2); | (47.4, 65.8, 0.0, 1.2); |
| (46.0, 67.2, 0.0, 1.2); | (44.5, 68.6, 0.0, 1.2); |
| (42.4, 70.7, 0.0, 1.2); | (38.9, 74.2, 0.0, 1.2); |
| (35.4, 77.8, 0.0, 1.2); | (28.3, 84.8, 0.0, 1.2); |
| (21.2, 91.9, 0.0, 1.2); | (14.1, 99.0, 0.0, 1.2); |
| (7.1, 106.1, 0.0, 1.2); | (0.0, 113.1, 0.0, 1.2); |
| (-7.1, 120.2, 0.0, 1.2); | (-14.1, 127.3, 0.0, 1.2); |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)

15NCRA_PL97-300_DPM_TRAV_ANN NE-SW Bound
(METERS)

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (120.2, | -21.2, | 0.0, | 1.2); | (113.1, | -14.1, | 0.0, | 1.2); |
| (106.1, | -7.1, | 0.0, | 1.2); | (99.0, | 0.0, | 0.0, | 1.2); |
| (91.9, | 7.1, | 0.0, | 1.2); | (84.8, | 14.1, | 0.0, | 1.2); |
| (77.8, | 21.2, | 0.0, | 1.2); | (70.7, | 28.3, | 0.0, | 1.2); |
| (67.2, | 31.8, | 0.0, | 1.2); | (63.6, | 35.4, | 0.0, | 1.2); |
| (61.5, | 37.5, | 0.0, | 1.2); | (60.1, | 38.9, | 0.0, | 1.2); |
| (58.7, | 40.3, | 0.0, | 1.2); | (57.3, | 41.7, | 0.0, | 1.2); |
| (55.9, | 43.1, | 0.0, | 1.2); | (43.1, | 55.9, | 0.0, | 1.2); |
| (41.7, | 57.3, | 0.0, | 1.2); | (40.3, | 58.7, | 0.0, | 1.2); |
| (38.9, | 60.1, | 0.0, | 1.2); | (37.5, | 61.5, | 0.0, | 1.2); |
| (35.4, | 63.6, | 0.0, | 1.2); | (31.8, | 67.2, | 0.0, | 1.2); |
| (28.3, | 70.7, | 0.0, | 1.2); | (21.2, | 77.8, | 0.0, | 1.2); |
| (14.1, | 84.8, | 0.0, | 1.2); | (7.1, | 91.9, | 0.0, | 1.2); |
| (0.0, | 99.0, | 0.0, | 1.2); | (-7.1, | 106.1, | 0.0, | 1.2); |
| (-14.1, | 113.1, | 0.0, | 1.2); | (-21.2, | 120.2, | 0.0, | 1.2); |
| (113.1, | -28.3, | 0.0, | 1.2); | (106.1, | -21.2, | 0.0, | 1.2); |
| (99.0, | -14.1, | 0.0, | 1.2); | (91.9, | -7.1, | 0.0, | 1.2); |
| (84.8, | 0.0, | 0.0, | 1.2); | (77.8, | 7.1, | 0.0, | 1.2); |
| (70.7, | 14.1, | 0.0, | 1.2); | (63.6, | 21.2, | 0.0, | 1.2); |
| (60.1, | 24.8, | 0.0, | 1.2); | (56.6, | 28.3, | 0.0, | 1.2); |
| (54.5, | 30.4, | 0.0, | 1.2); | (53.0, | 31.8, | 0.0, | 1.2); |
| (51.6, | 33.2, | 0.0, | 1.2); | (50.2, | 34.7, | 0.0, | 1.2); |
| (48.8, | 36.1, | 0.0, | 1.2); | (36.1, | 48.8, | 0.0, | 1.2); |
| (34.7, | 50.2, | 0.0, | 1.2); | (33.2, | 51.6, | 0.0, | 1.2); |
| (31.8, | 53.0, | 0.0, | 1.2); | (30.4, | 54.5, | 0.0, | 1.2); |
| (28.3, | 56.6, | 0.0, | 1.2); | (24.8, | 60.1, | 0.0, | 1.2); |
| (21.2, | 63.6, | 0.0, | 1.2); | (14.1, | 70.7, | 0.0, | 1.2); |
| (7.1, | 77.8, | 0.0, | 1.2); | (0.0, | 84.8, | 0.0, | 1.2); |
| (-7.1, | 91.9, | 0.0, | 1.2); | (-14.1, | 99.0, | 0.0, | 1.2); |
| (-21.2, | 106.1, | 0.0, | 1.2); | (-28.3, | 113.1, | 0.0, | 1.2); |
| (106.1, | -35.4, | 0.0, | 1.2); | (99.0, | -28.3, | 0.0, | 1.2); |
| (91.9, | -21.2, | 0.0, | 1.2); | (84.8, | -14.1, | 0.0, | 1.2); |
| (77.8, | -7.1, | 0.0, | 1.2); | (70.7, | 0.0, | 0.0, | 1.2); |
| (63.6, | 7.1, | 0.0, | 1.2); | (56.6, | 14.1, | 0.0, | 1.2); |
| (53.0, | 17.7, | 0.0, | 1.2); | (49.5, | 21.2, | 0.0, | 1.2); |
| (47.4, | 23.3, | 0.0, | 1.2); | (46.0, | 24.8, | 0.0, | 1.2); |
| (44.5, | 26.2, | 0.0, | 1.2); | (43.1, | 27.6, | 0.0, | 1.2); |
| (41.7, | 29.0, | 0.0, | 1.2); | (29.0, | 41.7, | 0.0, | 1.2); |
| (27.6, | 43.1, | 0.0, | 1.2); | (26.2, | 44.5, | 0.0, | 1.2); |
| (24.8, | 46.0, | 0.0, | 1.2); | (23.3, | 47.4, | 0.0, | 1.2); |
| (21.2, | 49.5, | 0.0, | 1.2); | (17.7, | 53.0, | 0.0, | 1.2); |
| (14.1, | 56.6, | 0.0, | 1.2); | (7.1, | 63.6, | 0.0, | 1.2); |
| (0.0, | 70.7, | 0.0, | 1.2); | (-7.1, | 77.8, | 0.0, | 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

(-14.1, 84.8, 0.0, 1.2); (-21.2, 91.9, 0.0, 1.2);
(-28.3, 99.0, 0.0, 1.2); (-35.4, 106.1, 0.0, 1.2);

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43

**MODELOPTs:

PAGE 11

CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

(99.0, -42.4, 0.0, 1.2); (91.9, -35.4, 0.0, 1.2);
(84.8, -28.3, 0.0, 1.2); (77.8, -21.2, 0.0, 1.2);
(70.7, -14.1, 0.0, 1.2); (63.6, -7.1, 0.0, 1.2);
(56.6, 0.0, 0.0, 1.2); (49.5, 7.1, 0.0, 1.2);
(46.0, 10.6, 0.0, 1.2); (42.4, 14.1, 0.0, 1.2);
(40.3, 16.3, 0.0, 1.2); (38.9, 17.7, 0.0, 1.2);
(37.5, 19.1, 0.0, 1.2); (36.1, 20.5, 0.0, 1.2);
(34.7, 21.9, 0.0, 1.2); (21.9, 34.7, 0.0, 1.2);
(20.5, 36.1, 0.0, 1.2); (19.1, 37.5, 0.0, 1.2);
(17.7, 38.9, 0.0, 1.2); (16.3, 40.3, 0.0, 1.2);
(14.1, 42.4, 0.0, 1.2); (10.6, 46.0, 0.0, 1.2);
(7.1, 49.5, 0.0, 1.2); (0.0, 56.6, 0.0, 1.2);
(-7.1, 63.6, 0.0, 1.2); (-14.1, 70.7, 0.0, 1.2);
(-21.2, 77.8, 0.0, 1.2); (-28.3, 84.8, 0.0, 1.2);
(-35.4, 91.9, 0.0, 1.2); (-42.4, 99.0, 0.0, 1.2);
(91.9, -49.5, 0.0, 1.2); (84.8, -42.4, 0.0, 1.2);
(77.8, -35.4, 0.0, 1.2); (70.7, -28.3, 0.0, 1.2);
(63.6, -21.2, 0.0, 1.2); (56.6, -14.1, 0.0, 1.2);
(49.5, -7.1, 0.0, 1.2); (42.4, 0.0, 0.0, 1.2);
(38.9, 3.5, 0.0, 1.2); (35.4, 7.1, 0.0, 1.2);
(33.2, 9.2, 0.0, 1.2); (31.8, 10.6, 0.0, 1.2);
(30.4, 12.0, 0.0, 1.2); (29.0, 13.4, 0.0, 1.2);
(27.6, 14.9, 0.0, 1.2); (14.9, 27.6, 0.0, 1.2);
(13.4, 29.0, 0.0, 1.2); (12.0, 30.4, 0.0, 1.2);
(10.6, 31.8, 0.0, 1.2); (9.2, 33.2, 0.0, 1.2);
(7.1, 35.4, 0.0, 1.2); (3.5, 38.9, 0.0, 1.2);
(0.0, 42.4, 0.0, 1.2); (-7.1, 49.5, 0.0, 1.2);
(-14.1, 56.6, 0.0, 1.2); (-21.2, 63.6, 0.0, 1.2);
(-28.3, 70.7, 0.0, 1.2); (-35.4, 77.8, 0.0, 1.2);
(-42.4, 84.8, 0.0, 1.2); (-49.5, 91.9, 0.0, 1.2);
(84.8, -56.6, 0.0, 1.2); (77.8, -49.5, 0.0, 1.2);
(70.7, -42.4, 0.0, 1.2); (63.6, -35.4, 0.0, 1.2);
(56.6, -28.3, 0.0, 1.2); (49.5, -21.2, 0.0, 1.2);
(42.4, -14.1, 0.0, 1.2); (35.4, -7.1, 0.0, 1.2);
(31.8, -3.5, 0.0, 1.2); (28.3, 0.0, 0.0, 1.2);

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|----------|-------|------|-------|----------|-------|------|-------|
| (26.2, | 2.1, | 0.0, | 1.2); | (24.8, | 3.5, | 0.0, | 1.2); |
| (23.3, | 4.9, | 0.0, | 1.2); | (21.9, | 6.4, | 0.0, | 1.2); |
| (20.5, | 7.8, | 0.0, | 1.2); | (7.8, | 20.5, | 0.0, | 1.2); |
| (6.4, | 21.9, | 0.0, | 1.2); | (4.9, | 23.3, | 0.0, | 1.2); |
| (3.5, | 24.8, | 0.0, | 1.2); | (2.1, | 26.2, | 0.0, | 1.2); |
| (0.0, | 28.3, | 0.0, | 1.2); | (-3.5, | 31.8, | 0.0, | 1.2); |
| (-7.1, | 35.4, | 0.0, | 1.2); | (-14.1, | 42.4, | 0.0, | 1.2); |
| (-21.2, | 49.5, | 0.0, | 1.2); | (-28.3, | 56.6, | 0.0, | 1.2); |
| (-35.4, | 63.6, | 0.0, | 1.2); | (-42.4, | 70.7, | 0.0, | 1.2); |
| (-49.5, | 77.8, | 0.0, | 1.2); | (-56.6, | 84.8, | 0.0, | 1.2); |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 12
 CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

| | | | | | | | |
|----------|--------|------|-------|----------|--------|------|-------|
| (77.8, | -63.6, | 0.0, | 1.2); | (70.7, | -56.6, | 0.0, | 1.2); |
| (63.6, | -49.5, | 0.0, | 1.2); | (56.6, | -42.4, | 0.0, | 1.2); |
| (49.5, | -35.4, | 0.0, | 1.2); | (42.4, | -28.3, | 0.0, | 1.2); |
| (35.4, | -21.2, | 0.0, | 1.2); | (28.3, | -14.1, | 0.0, | 1.2); |
| (24.8, | -10.6, | 0.0, | 1.2); | (21.2, | -7.1, | 0.0, | 1.2); |
| (19.1, | -4.9, | 0.0, | 1.2); | (17.7, | -3.5, | 0.0, | 1.2); |
| (16.3, | -2.1, | 0.0, | 1.2); | (14.9, | -0.7, | 0.0, | 1.2); |
| (13.4, | 0.7, | 0.0, | 1.2); | (0.7, | 13.4, | 0.0, | 1.2); |
| (-0.7, | 14.9, | 0.0, | 1.2); | (-2.1, | 16.3, | 0.0, | 1.2); |
| (-3.5, | 17.7, | 0.0, | 1.2); | (-4.9, | 19.1, | 0.0, | 1.2); |
| (-7.1, | 21.2, | 0.0, | 1.2); | (-10.6, | 24.8, | 0.0, | 1.2); |
| (-14.1, | 28.3, | 0.0, | 1.2); | (-21.2, | 35.4, | 0.0, | 1.2); |
| (-28.3, | 42.4, | 0.0, | 1.2); | (-35.4, | 49.5, | 0.0, | 1.2); |
| (-42.4, | 56.6, | 0.0, | 1.2); | (-49.5, | 63.6, | 0.0, | 1.2); |
| (-56.6, | 70.7, | 0.0, | 1.2); | (-63.6, | 77.8, | 0.0, | 1.2); |
| (70.7, | -70.7, | 0.0, | 1.2); | (63.6, | -63.6, | 0.0, | 1.2); |
| (56.6, | -56.6, | 0.0, | 1.2); | (49.5, | -49.5, | 0.0, | 1.2); |
| (42.4, | -42.4, | 0.0, | 1.2); | (35.4, | -35.4, | 0.0, | 1.2); |
| (28.3, | -28.3, | 0.0, | 1.2); | (21.2, | -21.2, | 0.0, | 1.2); |
| (17.7, | -17.7, | 0.0, | 1.2); | (14.1, | -14.1, | 0.0, | 1.2); |
| (12.0, | -12.0, | 0.0, | 1.2); | (10.6, | -10.6, | 0.0, | 1.2); |
| (9.2, | -9.2, | 0.0, | 1.2); | (7.8, | -7.8, | 0.0, | 1.2); |
| (6.4, | -6.4, | 0.0, | 1.2); | (-6.4, | 6.4, | 0.0, | 1.2); |
| (-7.8, | 7.8, | 0.0, | 1.2); | (-9.2, | 9.2, | 0.0, | 1.2); |
| (-10.6, | 10.6, | 0.0, | 1.2); | (-12.0, | 12.0, | 0.0, | 1.2); |
| (-14.1, | 14.1, | 0.0, | 1.2); | (-17.7, | 17.7, | 0.0, | 1.2); |
| (-21.2, | 21.2, | 0.0, | 1.2); | (-28.3, | 28.3, | 0.0, | 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | |
|---------------------------|---------------------------|
| (-35.4, 35.4, 0.0, 1.2); | (-42.4, 42.4, 0.0, 1.2); |
| (-49.5, 49.5, 0.0, 1.2); | (-56.6, 56.6, 0.0, 1.2); |
| (-63.6, 63.6, 0.0, 1.2); | (-70.7, 70.7, 0.0, 1.2); |
| (63.6, -77.8, 0.0, 1.2); | (56.6, -70.7, 0.0, 1.2); |
| (49.5, -63.6, 0.0, 1.2); | (42.4, -56.6, 0.0, 1.2); |
| (35.4, -49.5, 0.0, 1.2); | (28.3, -42.4, 0.0, 1.2); |
| (21.2, -35.4, 0.0, 1.2); | (14.1, -28.3, 0.0, 1.2); |
| (10.6, -24.8, 0.0, 1.2); | (7.1, -21.2, 0.0, 1.2); |
| (4.9, -19.1, 0.0, 1.2); | (3.5, -17.7, 0.0, 1.2); |
| (2.1, -16.3, 0.0, 1.2); | (0.7, -14.9, 0.0, 1.2); |
| (-0.7, -13.4, 0.0, 1.2); | (-13.4, -0.7, 0.0, 1.2); |
| (-14.9, 0.7, 0.0, 1.2); | (-16.3, 2.1, 0.0, 1.2); |
| (-17.7, 3.5, 0.0, 1.2); | (-19.1, 4.9, 0.0, 1.2); |
| (-21.2, 7.1, 0.0, 1.2); | (-24.8, 10.6, 0.0, 1.2); |
| (-28.3, 14.1, 0.0, 1.2); | (-35.4, 21.2, 0.0, 1.2); |
| (-42.4, 28.3, 0.0, 1.2); | (-49.5, 35.4, 0.0, 1.2); |
| (-56.6, 42.4, 0.0, 1.2); | (-63.6, 49.5, 0.0, 1.2); |
| (-70.7, 56.6, 0.0, 1.2); | (-77.8, 63.6, 0.0, 1.2); |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:
PAGE 13

CONC URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

| | |
|---------------------------|---------------------------|
| (56.6, -84.8, 0.0, 1.2); | (49.5, -77.8, 0.0, 1.2); |
| (42.4, -70.7, 0.0, 1.2); | (35.4, -63.6, 0.0, 1.2); |
| (28.3, -56.6, 0.0, 1.2); | (21.2, -49.5, 0.0, 1.2); |
| (14.1, -42.4, 0.0, 1.2); | (7.1, -35.4, 0.0, 1.2); |
| (3.5, -31.8, 0.0, 1.2); | (0.0, -28.3, 0.0, 1.2); |
| (-2.1, -26.2, 0.0, 1.2); | (-3.5, -24.8, 0.0, 1.2); |
| (-4.9, -23.3, 0.0, 1.2); | (-6.4, -21.9, 0.0, 1.2); |
| (-7.8, -20.5, 0.0, 1.2); | (-20.5, -7.8, 0.0, 1.2); |
| (-21.9, -6.4, 0.0, 1.2); | (-23.3, -4.9, 0.0, 1.2); |
| (-24.8, -3.5, 0.0, 1.2); | (-26.2, -2.1, 0.0, 1.2); |
| (-28.3, 0.0, 0.0, 1.2); | (-31.8, 3.5, 0.0, 1.2); |
| (-35.4, 7.1, 0.0, 1.2); | (-42.4, 14.1, 0.0, 1.2); |
| (-49.5, 21.2, 0.0, 1.2); | (-56.6, 28.3, 0.0, 1.2); |
| (-63.6, 35.4, 0.0, 1.2); | (-70.7, 42.4, 0.0, 1.2); |
| (-77.8, 49.5, 0.0, 1.2); | (-84.8, 56.6, 0.0, 1.2); |
| (49.5, -91.9, 0.0, 1.2); | (42.4, -84.8, 0.0, 1.2); |
| (35.4, -77.8, 0.0, 1.2); | (28.3, -70.7, 0.0, 1.2); |
| (21.2, -63.6, 0.0, 1.2); | (14.1, -56.6, 0.0, 1.2); |
| (7.1, -49.5, 0.0, 1.2); | (0.0, -42.4, 0.0, 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

```

( -3.5, -38.9, 0.0, 1.2); ( -7.1, -35.4, 0.0, 1.2);
( -9.2, -33.2, 0.0, 1.2); ( -10.6, -31.8, 0.0, 1.2);
( -12.0, -30.4, 0.0, 1.2); ( -13.4, -29.0, 0.0, 1.2);
( -14.9, -27.6, 0.0, 1.2); ( -27.6, -14.9, 0.0, 1.2);
( -29.0, -13.4, 0.0, 1.2); ( -30.4, -12.0, 0.0, 1.2);
( -31.8, -10.6, 0.0, 1.2); ( -33.2, -9.2, 0.0, 1.2);
( -35.4, -7.1, 0.0, 1.2); ( -38.9, -3.5, 0.0, 1.2);
( -42.4, 0.0, 0.0, 1.2); ( -49.5, 7.1, 0.0, 1.2);
( -56.6, 14.1, 0.0, 1.2); ( -63.6, 21.2, 0.0, 1.2);
( -70.7, 28.3, 0.0, 1.2); ( -77.8, 35.4, 0.0, 1.2);
( -84.8, 42.4, 0.0, 1.2); ( -91.9, 49.5, 0.0, 1.2);
( 42.4, -99.0, 0.0, 1.2); ( 35.4, -91.9, 0.0, 1.2);
( 28.3, -84.8, 0.0, 1.2); ( 21.2, -77.8, 0.0, 1.2);
( 14.1, -70.7, 0.0, 1.2); ( 7.1, -63.6, 0.0, 1.2);
( 0.0, -56.6, 0.0, 1.2); ( -7.1, -49.5, 0.0, 1.2);
( -10.6, -46.0, 0.0, 1.2); ( -14.1, -42.4, 0.0, 1.2);
( -16.3, -40.3, 0.0, 1.2); ( -17.7, -38.9, 0.0, 1.2);
( -19.1, -37.5, 0.0, 1.2); ( -20.5, -36.1, 0.0, 1.2);
( -21.9, -34.7, 0.0, 1.2); ( -34.7, -21.9, 0.0, 1.2);
( -36.1, -20.5, 0.0, 1.2); ( -37.5, -19.1, 0.0, 1.2);
( -38.9, -17.7, 0.0, 1.2); ( -40.3, -16.3, 0.0, 1.2);
( -42.4, -14.1, 0.0, 1.2); ( -46.0, -10.6, 0.0, 1.2);
( -49.5, -7.1, 0.0, 1.2); ( -56.6, 0.0, 0.0, 1.2);
( -63.6, 7.1, 0.0, 1.2); ( -70.7, 14.1, 0.0, 1.2);
( -77.8, 21.2, 0.0, 1.2); ( -84.8, 28.3, 0.0, 1.2);
( -91.9, 35.4, 0.0, 1.2); ( -99.0, 42.4, 0.0, 1.2);

```

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43

**MODELOPTs:

PAGE 14

CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

```

( 35.4, -106.1, 0.0, 1.2); ( 28.3, -99.0, 0.0, 1.2);
( 21.2, -91.9, 0.0, 1.2); ( 14.1, -84.8, 0.0, 1.2);
( 7.1, -77.8, 0.0, 1.2); ( 0.0, -70.7, 0.0, 1.2);
( -7.1, -63.6, 0.0, 1.2); ( -14.1, -56.6, 0.0, 1.2);
( -17.7, -53.0, 0.0, 1.2); ( -21.2, -49.5, 0.0, 1.2);
( -23.3, -47.4, 0.0, 1.2); ( -24.8, -46.0, 0.0, 1.2);
( -26.2, -44.5, 0.0, 1.2); ( -27.6, -43.1, 0.0, 1.2);
( -29.0, -41.7, 0.0, 1.2); ( -41.7, -29.0, 0.0, 1.2);
( -43.1, -27.6, 0.0, 1.2); ( -44.5, -26.2, 0.0, 1.2);
( -46.0, -24.8, 0.0, 1.2); ( -47.4, -23.3, 0.0, 1.2);
( -49.5, -21.2, 0.0, 1.2); ( -53.0, -17.7, 0.0, 1.2);

```

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-56.6, | -14.1, | 0.0, | 1.2); | (-63.6, | -7.1, | 0.0, | 1.2); |
| (-70.7, | 0.0, | 0.0, | 1.2); | (-77.8, | 7.1, | 0.0, | 1.2); |
| (-84.8, | 14.1, | 0.0, | 1.2); | (-91.9, | 21.2, | 0.0, | 1.2); |
| (-99.0, | 28.3, | 0.0, | 1.2); | (-106.1, | 35.4, | 0.0, | 1.2); |
| (28.3, | -113.1, | 0.0, | 1.2); | (21.2, | -106.1, | 0.0, | 1.2); |
| (14.1, | -99.0, | 0.0, | 1.2); | (7.1, | -91.9, | 0.0, | 1.2); |
| (0.0, | -84.8, | 0.0, | 1.2); | (-7.1, | -77.8, | 0.0, | 1.2); |
| (-14.1, | -70.7, | 0.0, | 1.2); | (-21.2, | -63.6, | 0.0, | 1.2); |
| (-24.8, | -60.1, | 0.0, | 1.2); | (-28.3, | -56.6, | 0.0, | 1.2); |
| (-30.4, | -54.5, | 0.0, | 1.2); | (-31.8, | -53.0, | 0.0, | 1.2); |
| (-33.2, | -51.6, | 0.0, | 1.2); | (-34.7, | -50.2, | 0.0, | 1.2); |
| (-36.1, | -48.8, | 0.0, | 1.2); | (-48.8, | -36.1, | 0.0, | 1.2); |
| (-50.2, | -34.7, | 0.0, | 1.2); | (-51.6, | -33.2, | 0.0, | 1.2); |
| (-53.0, | -31.8, | 0.0, | 1.2); | (-54.5, | -30.4, | 0.0, | 1.2); |
| (-56.6, | -28.3, | 0.0, | 1.2); | (-60.1, | -24.8, | 0.0, | 1.2); |
| (-63.6, | -21.2, | 0.0, | 1.2); | (-70.7, | -14.1, | 0.0, | 1.2); |
| (-77.8, | -7.1, | 0.0, | 1.2); | (-84.8, | 0.0, | 0.0, | 1.2); |
| (-91.9, | 7.1, | 0.0, | 1.2); | (-99.0, | 14.1, | 0.0, | 1.2); |
| (-106.1, | 21.2, | 0.0, | 1.2); | (-113.1, | 28.3, | 0.0, | 1.2); |
| (21.2, | -120.2, | 0.0, | 1.2); | (14.1, | -113.1, | 0.0, | 1.2); |
| (7.1, | -106.1, | 0.0, | 1.2); | (0.0, | -99.0, | 0.0, | 1.2); |
| (-7.1, | -91.9, | 0.0, | 1.2); | (-14.1, | -84.8, | 0.0, | 1.2); |
| (-21.2, | -77.8, | 0.0, | 1.2); | (-28.3, | -70.7, | 0.0, | 1.2); |
| (-31.8, | -67.2, | 0.0, | 1.2); | (-35.4, | -63.6, | 0.0, | 1.2); |
| (-37.5, | -61.5, | 0.0, | 1.2); | (-38.9, | -60.1, | 0.0, | 1.2); |
| (-40.3, | -58.7, | 0.0, | 1.2); | (-41.7, | -57.3, | 0.0, | 1.2); |
| (-43.1, | -55.9, | 0.0, | 1.2); | (-55.9, | -43.1, | 0.0, | 1.2); |
| (-57.3, | -41.7, | 0.0, | 1.2); | (-58.7, | -40.3, | 0.0, | 1.2); |
| (-60.1, | -38.9, | 0.0, | 1.2); | (-61.5, | -37.5, | 0.0, | 1.2); |
| (-63.6, | -35.4, | 0.0, | 1.2); | (-67.2, | -31.8, | 0.0, | 1.2); |
| (-70.7, | -28.3, | 0.0, | 1.2); | (-77.8, | -21.2, | 0.0, | 1.2); |
| (-84.8, | -14.1, | 0.0, | 1.2); | (-91.9, | -7.1, | 0.0, | 1.2); |
| (-99.0, | 0.0, | 0.0, | 1.2); | (-106.1, | 7.1, | 0.0, | 1.2); |
| (-113.1, | 14.1, | 0.0, | 1.2); | (-120.2, | 21.2, | 0.0, | 1.2); |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

| | | | | | | | |
|----------|---------|------|-------|----------|---------|------|-------|
| (14.1, | -127.3, | 0.0, | 1.2); | (7.1, | -120.2, | 0.0, | 1.2); |
| (0.0, | -113.1, | 0.0, | 1.2); | (-7.1, | -106.1, | 0.0, | 1.2); |
| (-14.1, | -99.0, | 0.0, | 1.2); | (-21.2, | -91.9, | 0.0, | 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-28.3, | -84.8, | 0.0, | 1.2); | (-35.4, | -77.8, | 0.0, | 1.2); |
| (-38.9, | -74.2, | 0.0, | 1.2); | (-42.4, | -70.7, | 0.0, | 1.2); |
| (-44.5, | -68.6, | 0.0, | 1.2); | (-46.0, | -67.2, | 0.0, | 1.2); |
| (-47.4, | -65.8, | 0.0, | 1.2); | (-48.8, | -64.3, | 0.0, | 1.2); |
| (-50.2, | -62.9, | 0.0, | 1.2); | (-62.9, | -50.2, | 0.0, | 1.2); |
| (-64.3, | -48.8, | 0.0, | 1.2); | (-65.8, | -47.4, | 0.0, | 1.2); |
| (-67.2, | -46.0, | 0.0, | 1.2); | (-68.6, | -44.5, | 0.0, | 1.2); |
| (-70.7, | -42.4, | 0.0, | 1.2); | (-74.2, | -38.9, | 0.0, | 1.2); |
| (-77.8, | -35.4, | 0.0, | 1.2); | (-84.8, | -28.3, | 0.0, | 1.2); |
| (-91.9, | -21.2, | 0.0, | 1.2); | (-99.0, | -14.1, | 0.0, | 1.2); |
| (-106.1, | -7.1, | 0.0, | 1.2); | (-113.1, | 0.0, | 0.0, | 1.2); |
| (-120.2, | 7.1, | 0.0, | 1.2); | (-127.3, | 14.1, | 0.0, | 1.2); |
| (7.1, | -134.4, | 0.0, | 1.2); | (0.0, | -127.3, | 0.0, | 1.2); |
| (-7.1, | -120.2, | 0.0, | 1.2); | (-14.1, | -113.1, | 0.0, | 1.2); |
| (-21.2, | -106.1, | 0.0, | 1.2); | (-28.3, | -99.0, | 0.0, | 1.2); |
| (-35.4, | -91.9, | 0.0, | 1.2); | (-42.4, | -84.8, | 0.0, | 1.2); |
| (-46.0, | -81.3, | 0.0, | 1.2); | (-49.5, | -77.8, | 0.0, | 1.2); |
| (-51.6, | -75.7, | 0.0, | 1.2); | (-53.0, | -74.2, | 0.0, | 1.2); |
| (-54.5, | -72.8, | 0.0, | 1.2); | (-55.9, | -71.4, | 0.0, | 1.2); |
| (-57.3, | -70.0, | 0.0, | 1.2); | (-70.0, | -57.3, | 0.0, | 1.2); |
| (-71.4, | -55.9, | 0.0, | 1.2); | (-72.8, | -54.5, | 0.0, | 1.2); |
| (-74.2, | -53.0, | 0.0, | 1.2); | (-75.7, | -51.6, | 0.0, | 1.2); |
| (-77.8, | -49.5, | 0.0, | 1.2); | (-81.3, | -46.0, | 0.0, | 1.2); |
| (-84.8, | -42.4, | 0.0, | 1.2); | (-91.9, | -35.4, | 0.0, | 1.2); |
| (-99.0, | -28.3, | 0.0, | 1.2); | (-106.1, | -21.2, | 0.0, | 1.2); |
| (-113.1, | -14.1, | 0.0, | 1.2); | (-120.2, | -7.1, | 0.0, | 1.2); |
| (-127.3, | 0.0, | 0.0, | 1.2); | (-134.4, | 7.1, | 0.0, | 1.2); |
| (0.0, | -141.4, | 0.0, | 1.2); | (-7.1, | -134.4, | 0.0, | 1.2); |
| (-14.1, | -127.3, | 0.0, | 1.2); | (-21.2, | -120.2, | 0.0, | 1.2); |
| (-28.3, | -113.1, | 0.0, | 1.2); | (-35.4, | -106.1, | 0.0, | 1.2); |
| (-42.4, | -99.0, | 0.0, | 1.2); | (-49.5, | -91.9, | 0.0, | 1.2); |
| (-53.0, | -88.4, | 0.0, | 1.2); | (-56.6, | -84.8, | 0.0, | 1.2); |
| (-58.7, | -82.7, | 0.0, | 1.2); | (-60.1, | -81.3, | 0.0, | 1.2); |
| (-61.5, | -79.9, | 0.0, | 1.2); | (-62.9, | -78.5, | 0.0, | 1.2); |
| (-64.3, | -77.1, | 0.0, | 1.2); | (-77.1, | -64.3, | 0.0, | 1.2); |
| (-78.5, | -62.9, | 0.0, | 1.2); | (-79.9, | -61.5, | 0.0, | 1.2); |
| (-81.3, | -60.1, | 0.0, | 1.2); | (-82.7, | -58.7, | 0.0, | 1.2); |
| (-84.8, | -56.6, | 0.0, | 1.2); | (-88.4, | -53.0, | 0.0, | 1.2); |
| (-91.9, | -49.5, | 0.0, | 1.2); | (-99.0, | -42.4, | 0.0, | 1.2); |
| (-106.1, | -35.4, | 0.0, | 1.2); | (-113.1, | -28.3, | 0.0, | 1.2); |
| (-120.2, | -21.2, | 0.0, | 1.2); | (-127.3, | -14.1, | 0.0, | 1.2); |
| (-134.4, | -7.1, | 0.0, | 1.2); | (-141.4, | 0.0, | 0.0, | 1.2); |

**MODELOPTs:
PAGE 16
CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZFLAG)
(METERS)

| | |
|-----------------------------|-----------------------------|
| (-7.1, -148.5, 0.0, 1.2); | (-14.1, -141.4, 0.0, 1.2); |
| (-21.2, -134.4, 0.0, 1.2); | (-28.3, -127.3, 0.0, 1.2); |
| (-35.4, -120.2, 0.0, 1.2); | (-42.4, -113.1, 0.0, 1.2); |
| (-49.5, -106.1, 0.0, 1.2); | (-56.6, -99.0, 0.0, 1.2); |
| (-60.1, -95.5, 0.0, 1.2); | (-63.6, -91.9, 0.0, 1.2); |
| (-65.8, -89.8, 0.0, 1.2); | (-67.2, -88.4, 0.0, 1.2); |
| (-68.6, -87.0, 0.0, 1.2); | (-70.0, -85.6, 0.0, 1.2); |
| (-71.4, -84.2, 0.0, 1.2); | (-84.2, -71.4, 0.0, 1.2); |
| (-85.6, -70.0, 0.0, 1.2); | (-87.0, -68.6, 0.0, 1.2); |
| (-88.4, -67.2, 0.0, 1.2); | (-89.8, -65.8, 0.0, 1.2); |
| (-91.9, -63.6, 0.0, 1.2); | (-95.5, -60.1, 0.0, 1.2); |
| (-99.0, -56.6, 0.0, 1.2); | (-106.1, -49.5, 0.0, 1.2); |
| (-113.1, -42.4, 0.0, 1.2); | (-120.2, -35.4, 0.0, 1.2); |
| (-127.3, -28.3, 0.0, 1.2); | (-134.4, -21.2, 0.0, 1.2); |
| (-141.4, -14.1, 0.0, 1.2); | (-148.5, -7.1, 0.0, 1.2); |
| (-14.1, -155.6, 0.0, 1.2); | (-21.2, -148.5, 0.0, 1.2); |
| (-28.3, -141.4, 0.0, 1.2); | (-35.4, -134.4, 0.0, 1.2); |
| (-42.4, -127.3, 0.0, 1.2); | (-49.5, -120.2, 0.0, 1.2); |
| (-56.6, -113.1, 0.0, 1.2); | (-63.6, -106.1, 0.0, 1.2); |
| (-67.2, -102.5, 0.0, 1.2); | (-70.7, -99.0, 0.0, 1.2); |
| (-72.8, -96.9, 0.0, 1.2); | (-74.2, -95.5, 0.0, 1.2); |
| (-75.7, -94.1, 0.0, 1.2); | (-77.1, -92.6, 0.0, 1.2); |
| (-78.5, -91.2, 0.0, 1.2); | (-91.2, -78.5, 0.0, 1.2); |
| (-92.6, -77.1, 0.0, 1.2); | (-94.1, -75.7, 0.0, 1.2); |
| (-95.5, -74.2, 0.0, 1.2); | (-96.9, -72.8, 0.0, 1.2); |
| (-99.0, -70.7, 0.0, 1.2); | (-102.5, -67.2, 0.0, 1.2); |
| (-106.1, -63.6, 0.0, 1.2); | (-113.1, -56.6, 0.0, 1.2); |
| (-120.2, -49.5, 0.0, 1.2); | (-127.3, -42.4, 0.0, 1.2); |
| (-134.4, -35.4, 0.0, 1.2); | (-141.4, -28.3, 0.0, 1.2); |
| (-148.5, -21.2, 0.0, 1.2); | (-155.6, -14.1, 0.0, 1.2); |
| (-21.2, -162.6, 0.0, 1.2); | (-28.3, -155.6, 0.0, 1.2); |
| (-35.4, -148.5, 0.0, 1.2); | (-42.4, -141.4, 0.0, 1.2); |
| (-49.5, -134.4, 0.0, 1.2); | (-56.6, -127.3, 0.0, 1.2); |
| (-63.6, -120.2, 0.0, 1.2); | (-70.7, -113.1, 0.0, 1.2); |
| (-74.2, -109.6, 0.0, 1.2); | (-77.8, -106.1, 0.0, 1.2); |
| (-79.9, -103.9, 0.0, 1.2); | (-81.3, -102.5, 0.0, 1.2); |
| (-82.7, -101.1, 0.0, 1.2); | (-84.2, -99.7, 0.0, 1.2); |
| (-85.6, -98.3, 0.0, 1.2); | (-98.3, -85.6, 0.0, 1.2); |
| (-99.7, -84.2, 0.0, 1.2); | (-101.1, -82.7, 0.0, 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|-----------|--------|------|-------|-----------|--------|------|-------|
| (-102.5, | -81.3, | 0.0, | 1.2); | (-103.9, | -79.9, | 0.0, | 1.2); |
| (-106.1, | -77.8, | 0.0, | 1.2); | (-109.6, | -74.2, | 0.0, | 1.2); |
| (-113.1, | -70.7, | 0.0, | 1.2); | (-120.2, | -63.6, | 0.0, | 1.2); |
| (-127.3, | -56.6, | 0.0, | 1.2); | (-134.4, | -49.5, | 0.0, | 1.2); |
| (-141.4, | -42.4, | 0.0, | 1.2); | (-148.5, | -35.4, | 0.0, | 1.2); |
| (-155.6, | -28.3, | 0.0, | 1.2); | (-162.6, | -21.2, | 0.0, | 1.2); |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

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CONC URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-28.3, | -169.7, | 0.0, | 1.2); | (-35.4, | -162.6, | 0.0, | 1.2); |
| (-42.4, | -155.6, | 0.0, | 1.2); | (-49.5, | -148.5, | 0.0, | 1.2); |
| (-56.6, | -141.4, | 0.0, | 1.2); | (-63.6, | -134.4, | 0.0, | 1.2); |
| (-70.7, | -127.3, | 0.0, | 1.2); | (-77.8, | -120.2, | 0.0, | 1.2); |
| (-81.3, | -116.7, | 0.0, | 1.2); | (-84.8, | -113.1, | 0.0, | 1.2); |
| (-87.0, | -111.0, | 0.0, | 1.2); | (-88.4, | -109.6, | 0.0, | 1.2); |
| (-89.8, | -108.2, | 0.0, | 1.2); | (-91.2, | -106.8, | 0.0, | 1.2); |
| (-92.6, | -105.4, | 0.0, | 1.2); | (-105.4, | -92.6, | 0.0, | 1.2); |
| (-106.8, | -91.2, | 0.0, | 1.2); | (-108.2, | -89.8, | 0.0, | 1.2); |
| (-109.6, | -88.4, | 0.0, | 1.2); | (-111.0, | -87.0, | 0.0, | 1.2); |
| (-113.1, | -84.8, | 0.0, | 1.2); | (-116.7, | -81.3, | 0.0, | 1.2); |
| (-120.2, | -77.8, | 0.0, | 1.2); | (-127.3, | -70.7, | 0.0, | 1.2); |
| (-134.4, | -63.6, | 0.0, | 1.2); | (-141.4, | -56.6, | 0.0, | 1.2); |
| (-148.5, | -49.5, | 0.0, | 1.2); | (-155.6, | -42.4, | 0.0, | 1.2); |
| (-162.6, | -35.4, | 0.0, | 1.2); | (-169.7, | -28.3, | 0.0, | 1.2); |
| (-35.4, | -176.8, | 0.0, | 1.2); | (-42.4, | -169.7, | 0.0, | 1.2); |
| (-49.5, | -162.6, | 0.0, | 1.2); | (-56.6, | -155.6, | 0.0, | 1.2); |
| (-63.6, | -148.5, | 0.0, | 1.2); | (-70.7, | -141.4, | 0.0, | 1.2); |
| (-77.8, | -134.4, | 0.0, | 1.2); | (-84.8, | -127.3, | 0.0, | 1.2); |
| (-88.4, | -123.7, | 0.0, | 1.2); | (-91.9, | -120.2, | 0.0, | 1.2); |
| (-94.1, | -118.1, | 0.0, | 1.2); | (-95.5, | -116.7, | 0.0, | 1.2); |
| (-96.9, | -115.3, | 0.0, | 1.2); | (-98.3, | -113.8, | 0.0, | 1.2); |
| (-99.7, | -112.4, | 0.0, | 1.2); | (-112.4, | -99.7, | 0.0, | 1.2); |
| (-113.8, | -98.3, | 0.0, | 1.2); | (-115.3, | -96.9, | 0.0, | 1.2); |
| (-116.7, | -95.5, | 0.0, | 1.2); | (-118.1, | -94.1, | 0.0, | 1.2); |
| (-120.2, | -91.9, | 0.0, | 1.2); | (-123.7, | -88.4, | 0.0, | 1.2); |
| (-127.3, | -84.8, | 0.0, | 1.2); | (-134.4, | -77.8, | 0.0, | 1.2); |
| (-141.4, | -70.7, | 0.0, | 1.2); | (-148.5, | -63.6, | 0.0, | 1.2); |
| (-155.6, | -56.6, | 0.0, | 1.2); | (-162.6, | -49.5, | 0.0, | 1.2); |
| (-169.7, | -42.4, | 0.0, | 1.2); | (-176.8, | -35.4, | 0.0, | 1.2); |
| (-42.4, | -183.9, | 0.0, | 1.2); | (-49.5, | -176.8, | 0.0, | 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-56.6, | -169.7, | 0.0, | 1.2); | (-63.6, | -162.6, | 0.0, | 1.2); |
| (-70.7, | -155.6, | 0.0, | 1.2); | (-77.8, | -148.5, | 0.0, | 1.2); |
| (-84.8, | -141.4, | 0.0, | 1.2); | (-91.9, | -134.4, | 0.0, | 1.2); |
| (-95.5, | -130.8, | 0.0, | 1.2); | (-99.0, | -127.3, | 0.0, | 1.2); |
| (-101.1, | -125.2, | 0.0, | 1.2); | (-102.5, | -123.7, | 0.0, | 1.2); |
| (-103.9, | -122.3, | 0.0, | 1.2); | (-105.4, | -120.9, | 0.0, | 1.2); |
| (-106.8, | -119.5, | 0.0, | 1.2); | (-119.5, | -106.8, | 0.0, | 1.2); |
| (-120.9, | -105.4, | 0.0, | 1.2); | (-122.3, | -103.9, | 0.0, | 1.2); |
| (-123.7, | -102.5, | 0.0, | 1.2); | (-125.2, | -101.1, | 0.0, | 1.2); |
| (-127.3, | -99.0, | 0.0, | 1.2); | (-130.8, | -95.5, | 0.0, | 1.2); |
| (-134.4, | -91.9, | 0.0, | 1.2); | (-141.4, | -84.8, | 0.0, | 1.2); |
| (-148.5, | -77.8, | 0.0, | 1.2); | (-155.6, | -70.7, | 0.0, | 1.2); |
| (-162.6, | -63.6, | 0.0, | 1.2); | (-169.7, | -56.6, | 0.0, | 1.2); |
| (-176.8, | -49.5, | 0.0, | 1.2); | (-183.9, | -42.4, | 0.0, | 1.2); |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 18
 CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-49.5, | -190.9, | 0.0, | 1.2); | (-56.6, | -183.9, | 0.0, | 1.2); |
| (-63.6, | -176.8, | 0.0, | 1.2); | (-70.7, | -169.7, | 0.0, | 1.2); |
| (-77.8, | -162.6, | 0.0, | 1.2); | (-84.8, | -155.6, | 0.0, | 1.2); |
| (-91.9, | -148.5, | 0.0, | 1.2); | (-99.0, | -141.4, | 0.0, | 1.2); |
| (-102.5, | -137.9, | 0.0, | 1.2); | (-106.1, | -134.4, | 0.0, | 1.2); |
| (-108.2, | -132.2, | 0.0, | 1.2); | (-109.6, | -130.8, | 0.0, | 1.2); |
| (-111.0, | -129.4, | 0.0, | 1.2); | (-112.4, | -128.0, | 0.0, | 1.2); |
| (-113.8, | -126.6, | 0.0, | 1.2); | (-126.6, | -113.8, | 0.0, | 1.2); |
| (-128.0, | -112.4, | 0.0, | 1.2); | (-129.4, | -111.0, | 0.0, | 1.2); |
| (-130.8, | -109.6, | 0.0, | 1.2); | (-132.2, | -108.2, | 0.0, | 1.2); |
| (-134.4, | -106.1, | 0.0, | 1.2); | (-137.9, | -102.5, | 0.0, | 1.2); |
| (-141.4, | -99.0, | 0.0, | 1.2); | (-148.5, | -91.9, | 0.0, | 1.2); |
| (-155.6, | -84.8, | 0.0, | 1.2); | (-162.6, | -77.8, | 0.0, | 1.2); |
| (-169.7, | -70.7, | 0.0, | 1.2); | (-176.8, | -63.6, | 0.0, | 1.2); |
| (-183.9, | -56.6, | 0.0, | 1.2); | (-190.9, | -49.5, | 0.0, | 1.2); |
| (-56.6, | -198.0, | 0.0, | 1.2); | (-63.6, | -190.9, | 0.0, | 1.2); |
| (-70.7, | -183.9, | 0.0, | 1.2); | (-77.8, | -176.8, | 0.0, | 1.2); |
| (-84.8, | -169.7, | 0.0, | 1.2); | (-91.9, | -162.6, | 0.0, | 1.2); |
| (-99.0, | -155.6, | 0.0, | 1.2); | (-106.1, | -148.5, | 0.0, | 1.2); |
| (-109.6, | -145.0, | 0.0, | 1.2); | (-113.1, | -141.4, | 0.0, | 1.2); |
| (-115.3, | -139.3, | 0.0, | 1.2); | (-116.7, | -137.9, | 0.0, | 1.2); |
| (-118.1, | -136.5, | 0.0, | 1.2); | (-119.5, | -135.1, | 0.0, | 1.2); |
| (-120.9, | -133.6, | 0.0, | 1.2); | (-133.6, | -120.9, | 0.0, | 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-135.1, | -119.5, | 0.0, | 1.2); | (-136.5, | -118.1, | 0.0, | 1.2); |
| (-137.9, | -116.7, | 0.0, | 1.2); | (-139.3, | -115.3, | 0.0, | 1.2); |
| (-141.4, | -113.1, | 0.0, | 1.2); | (-145.0, | -109.6, | 0.0, | 1.2); |
| (-148.5, | -106.1, | 0.0, | 1.2); | (-155.6, | -99.0, | 0.0, | 1.2); |
| (-162.6, | -91.9, | 0.0, | 1.2); | (-169.7, | -84.8, | 0.0, | 1.2); |
| (-176.8, | -77.8, | 0.0, | 1.2); | (-183.9, | -70.7, | 0.0, | 1.2); |
| (-190.9, | -63.6, | 0.0, | 1.2); | (-198.0, | -56.6, | 0.0, | 1.2); |
| (-63.6, | -205.1, | 0.0, | 1.2); | (-70.7, | -198.0, | 0.0, | 1.2); |
| (-77.8, | -190.9, | 0.0, | 1.2); | (-84.8, | -183.9, | 0.0, | 1.2); |
| (-91.9, | -176.8, | 0.0, | 1.2); | (-99.0, | -169.7, | 0.0, | 1.2); |
| (-106.1, | -162.6, | 0.0, | 1.2); | (-113.1, | -155.6, | 0.0, | 1.2); |
| (-116.7, | -152.0, | 0.0, | 1.2); | (-120.2, | -148.5, | 0.0, | 1.2); |
| (-122.3, | -146.4, | 0.0, | 1.2); | (-123.7, | -145.0, | 0.0, | 1.2); |
| (-125.2, | -143.5, | 0.0, | 1.2); | (-126.6, | -142.1, | 0.0, | 1.2); |
| (-128.0, | -140.7, | 0.0, | 1.2); | (-140.7, | -128.0, | 0.0, | 1.2); |
| (-142.1, | -126.6, | 0.0, | 1.2); | (-143.5, | -125.2, | 0.0, | 1.2); |
| (-145.0, | -123.7, | 0.0, | 1.2); | (-146.4, | -122.3, | 0.0, | 1.2); |
| (-148.5, | -120.2, | 0.0, | 1.2); | (-152.0, | -116.7, | 0.0, | 1.2); |
| (-155.6, | -113.1, | 0.0, | 1.2); | (-162.6, | -106.1, | 0.0, | 1.2); |
| (-169.7, | -99.0, | 0.0, | 1.2); | (-176.8, | -91.9, | 0.0, | 1.2); |
| (-183.9, | -84.8, | 0.0, | 1.2); | (-190.9, | -77.8, | 0.0, | 1.2); |
| (-198.0, | -70.7, | 0.0, | 1.2); | (-205.1, | -63.6, | 0.0, | 1.2); |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

| | | | | | | | |
|-----------|---------|------|-------|-----------|---------|------|-------|
| (-70.7, | -212.1, | 0.0, | 1.2); | (-77.8, | -205.1, | 0.0, | 1.2); |
| (-84.8, | -198.0, | 0.0, | 1.2); | (-91.9, | -190.9, | 0.0, | 1.2); |
| (-99.0, | -183.9, | 0.0, | 1.2); | (-106.1, | -176.8, | 0.0, | 1.2); |
| (-113.1, | -169.7, | 0.0, | 1.2); | (-120.2, | -162.6, | 0.0, | 1.2); |
| (-123.7, | -159.1, | 0.0, | 1.2); | (-127.3, | -155.6, | 0.0, | 1.2); |
| (-129.4, | -153.4, | 0.0, | 1.2); | (-130.8, | -152.0, | 0.0, | 1.2); |
| (-132.2, | -150.6, | 0.0, | 1.2); | (-133.6, | -149.2, | 0.0, | 1.2); |
| (-135.1, | -147.8, | 0.0, | 1.2); | (-147.8, | -135.1, | 0.0, | 1.2); |
| (-149.2, | -133.6, | 0.0, | 1.2); | (-150.6, | -132.2, | 0.0, | 1.2); |
| (-152.0, | -130.8, | 0.0, | 1.2); | (-153.4, | -129.4, | 0.0, | 1.2); |
| (-155.6, | -127.3, | 0.0, | 1.2); | (-159.1, | -123.7, | 0.0, | 1.2); |
| (-162.6, | -120.2, | 0.0, | 1.2); | (-169.7, | -113.1, | 0.0, | 1.2); |
| (-176.8, | -106.1, | 0.0, | 1.2); | (-183.9, | -99.0, | 0.0, | 1.2); |
| (-190.9, | -91.9, | 0.0, | 1.2); | (-198.0, | -84.8, | 0.0, | 1.2); |
| (-205.1, | -77.8, | 0.0, | 1.2); | (-212.1, | -70.7, | 0.0, | 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | |
|------------------------------|------------------------------|
| (-77.8, -219.2, 0.0, 1.2); | (-84.8, -212.1, 0.0, 1.2); |
| (-91.9, -205.1, 0.0, 1.2); | (-99.0, -198.0, 0.0, 1.2); |
| (-106.1, -190.9, 0.0, 1.2); | (-113.1, -183.9, 0.0, 1.2); |
| (-120.2, -176.8, 0.0, 1.2); | (-127.3, -169.7, 0.0, 1.2); |
| (-130.8, -166.2, 0.0, 1.2); | (-134.4, -162.6, 0.0, 1.2); |
| (-136.5, -160.5, 0.0, 1.2); | (-137.9, -159.1, 0.0, 1.2); |
| (-139.3, -157.7, 0.0, 1.2); | (-140.7, -156.3, 0.0, 1.2); |
| (-142.1, -154.9, 0.0, 1.2); | (-154.9, -142.1, 0.0, 1.2); |
| (-156.3, -140.7, 0.0, 1.2); | (-157.7, -139.3, 0.0, 1.2); |
| (-159.1, -137.9, 0.0, 1.2); | (-160.5, -136.5, 0.0, 1.2); |
| (-162.6, -134.4, 0.0, 1.2); | (-166.2, -130.8, 0.0, 1.2); |
| (-169.7, -127.3, 0.0, 1.2); | (-176.8, -120.2, 0.0, 1.2); |
| (-183.9, -113.1, 0.0, 1.2); | (-190.9, -106.1, 0.0, 1.2); |
| (-198.0, -99.0, 0.0, 1.2); | (-205.1, -91.9, 0.0, 1.2); |
| (-212.1, -84.8, 0.0, 1.2); | (-219.2, -77.8, 0.0, 1.2); |
| (-84.8, -226.3, 0.0, 1.2); | (-91.9, -219.2, 0.0, 1.2); |
| (-99.0, -212.1, 0.0, 1.2); | (-106.1, -205.1, 0.0, 1.2); |
| (-113.1, -198.0, 0.0, 1.2); | (-120.2, -190.9, 0.0, 1.2); |
| (-127.3, -183.9, 0.0, 1.2); | (-134.4, -176.8, 0.0, 1.2); |
| (-137.9, -173.2, 0.0, 1.2); | (-141.4, -169.7, 0.0, 1.2); |
| (-143.5, -167.6, 0.0, 1.2); | (-145.0, -166.2, 0.0, 1.2); |
| (-146.4, -164.8, 0.0, 1.2); | (-147.8, -163.3, 0.0, 1.2); |
| (-149.2, -161.9, 0.0, 1.2); | (-161.9, -149.2, 0.0, 1.2); |
| (-163.3, -147.8, 0.0, 1.2); | (-164.8, -146.4, 0.0, 1.2); |
| (-166.2, -145.0, 0.0, 1.2); | (-167.6, -143.5, 0.0, 1.2); |
| (-169.7, -141.4, 0.0, 1.2); | (-173.2, -137.9, 0.0, 1.2); |
| (-176.8, -134.4, 0.0, 1.2); | (-183.9, -127.3, 0.0, 1.2); |
| (-190.9, -120.2, 0.0, 1.2); | (-198.0, -113.1, 0.0, 1.2); |
| (-205.1, -106.1, 0.0, 1.2); | (-212.1, -99.0, 0.0, 1.2); |
| (-219.2, -91.9, 0.0, 1.2); | (-226.3, -84.8, 0.0, 1.2); |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***

04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZFLAG)
 (METERS)

| | |
|------------------------------|------------------------------|
| (-91.9, -233.4, 0.0, 1.2); | (-99.0, -226.3, 0.0, 1.2); |
| (-106.1, -219.2, 0.0, 1.2); | (-113.1, -212.1, 0.0, 1.2); |
| (-120.2, -205.1, 0.0, 1.2); | (-127.3, -198.0, 0.0, 1.2); |
| (-134.4, -190.9, 0.0, 1.2); | (-141.4, -183.9, 0.0, 1.2); |
| (-145.0, -180.3, 0.0, 1.2); | (-148.5, -176.8, 0.0, 1.2); |
| (-150.6, -174.7, 0.0, 1.2); | (-152.0, -173.2, 0.0, 1.2); |
| (-153.4, -171.8, 0.0, 1.2); | (-154.9, -170.4, 0.0, 1.2); |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | |
|------------------------------|------------------------------|
| (-156.3, -169.0, 0.0, 1.2); | (-169.0, -156.3, 0.0, 1.2); |
| (-170.4, -154.9, 0.0, 1.2); | (-171.8, -153.4, 0.0, 1.2); |
| (-173.2, -152.0, 0.0, 1.2); | (-174.7, -150.6, 0.0, 1.2); |
| (-176.8, -148.5, 0.0, 1.2); | (-180.3, -145.0, 0.0, 1.2); |
| (-183.9, -141.4, 0.0, 1.2); | (-190.9, -134.4, 0.0, 1.2); |
| (-198.0, -127.3, 0.0, 1.2); | (-205.1, -120.2, 0.0, 1.2); |
| (-212.1, -113.1, 0.0, 1.2); | (-219.2, -106.1, 0.0, 1.2); |
| (-226.3, -99.0, 0.0, 1.2); | (-233.4, -91.9, 0.0, 1.2); |
| (-99.0, -240.4, 0.0, 1.2); | (-106.1, -233.4, 0.0, 1.2); |
| (-113.1, -226.3, 0.0, 1.2); | (-120.2, -219.2, 0.0, 1.2); |
| (-127.3, -212.1, 0.0, 1.2); | (-134.4, -205.1, 0.0, 1.2); |
| (-141.4, -198.0, 0.0, 1.2); | (-148.5, -190.9, 0.0, 1.2); |
| (-152.0, -187.4, 0.0, 1.2); | (-155.6, -183.9, 0.0, 1.2); |
| (-157.7, -181.7, 0.0, 1.2); | (-159.1, -180.3, 0.0, 1.2); |
| (-160.5, -178.9, 0.0, 1.2); | (-161.9, -177.5, 0.0, 1.2); |
| (-163.3, -176.1, 0.0, 1.2); | (-176.1, -163.3, 0.0, 1.2); |
| (-177.5, -161.9, 0.0, 1.2); | (-178.9, -160.5, 0.0, 1.2); |
| (-180.3, -159.1, 0.0, 1.2); | (-181.7, -157.7, 0.0, 1.2); |
| (-183.9, -155.6, 0.0, 1.2); | (-187.4, -152.0, 0.0, 1.2); |
| (-190.9, -148.5, 0.0, 1.2); | (-198.0, -141.4, 0.0, 1.2); |
| (-205.1, -134.4, 0.0, 1.2); | (-212.1, -127.3, 0.0, 1.2); |
| (-219.2, -120.2, 0.0, 1.2); | (-226.3, -113.1, 0.0, 1.2); |
| (-233.4, -106.1, 0.0, 1.2); | (-240.4, -99.0, 0.0, 1.2); |
| (-106.1, -247.5, 0.0, 1.2); | (-113.1, -240.4, 0.0, 1.2); |
| (-120.2, -233.4, 0.0, 1.2); | (-127.3, -226.3, 0.0, 1.2); |
| (-134.4, -219.2, 0.0, 1.2); | (-141.4, -212.1, 0.0, 1.2); |
| (-148.5, -205.1, 0.0, 1.2); | (-155.6, -198.0, 0.0, 1.2); |
| (-159.1, -194.4, 0.0, 1.2); | (-162.6, -190.9, 0.0, 1.2); |
| (-164.8, -188.8, 0.0, 1.2); | (-166.2, -187.4, 0.0, 1.2); |
| (-167.6, -186.0, 0.0, 1.2); | (-169.0, -184.6, 0.0, 1.2); |
| (-170.4, -183.1, 0.0, 1.2); | (-183.1, -170.4, 0.0, 1.2); |
| (-184.6, -169.0, 0.0, 1.2); | (-186.0, -167.6, 0.0, 1.2); |
| (-187.4, -166.2, 0.0, 1.2); | (-188.8, -164.8, 0.0, 1.2); |
| (-190.9, -162.6, 0.0, 1.2); | (-194.4, -159.1, 0.0, 1.2); |
| (-198.0, -155.6, 0.0, 1.2); | (-205.1, -148.5, 0.0, 1.2); |
| (-212.1, -141.4, 0.0, 1.2); | (-219.2, -134.4, 0.0, 1.2); |
| (-226.3, -127.3, 0.0, 1.2); | (-233.4, -120.2, 0.0, 1.2); |
| (-240.4, -113.1, 0.0, 1.2); | (-247.5, -106.1, 0.0, 1.2); |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| YR | MN | DY | HR | FLOW VECTOR | SPEED (M/S) | TEMP (K) | STAB CLASS | MIXING RURAL | HEIGHT (M) URBAN | USTAR (M/S) | M-O LENGTH (M) | Z-0 (M) | IPCODE | PRATE (mm/HR) |
|----|----|----|----|-------------|-------------|----------|------------|--------------|------------------|-------------|----------------|---------|--------|---------------|
| 97 | 01 | 01 | 01 | 350.0 | 10.01 | 289.9 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 02 | 6.0 | 6.75 | 289.6 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 03 | 358.0 | 4.65 | 289.4 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 04 | 355.0 | 4.60 | 289.1 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 05 | 25.0 | 3.67 | 289.2 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 06 | 39.0 | 3.62 | 288.8 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 07 | 46.0 | 3.53 | 288.3 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 08 | 37.0 | 2.82 | 288.1 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 09 | 66.0 | 1.74 | 287.9 | 3 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 10 | 6.0 | 2.64 | 288.4 | 2 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 11 | 33.0 | 4.38 | 289.1 | 3 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 12 | 23.0 | 1.83 | 289.1 | 2 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 13 | 313.0 | 2.59 | 289.0 | 3 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 14 | 38.0 | 2.82 | 289.5 | 3 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 15 | 55.0 | 1.88 | 289.1 | 2 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 16 | 33.0 | 2.24 | 289.0 | 3 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 17 | 35.0 | 1.74 | 288.8 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 18 | 44.0 | 1.92 | 288.8 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 19 | 89.0 | 1.43 | 288.8 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 20 | 234.0 | 1.12 | 288.5 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 21 | 291.0 | 1.03 | 288.4 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 22 | 309.0 | 1.12 | 288.3 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 23 | 317.0 | 2.10 | 288.0 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 97 | 01 | 01 | 24 | 296.0 | 2.77 | 287.7 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |

*** NOTES: STABILITY CLASS 1=A, 2=B, 3=C, 4=D, 5=E AND 6=F.
FLOW VECTOR IS DIRECTION TOWARD WHICH WIND IS BLOWING.

1 *** ICSCT3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***

04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1

INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 247.49 | 106.07 | 0.00001 | 240.42 | 113.14 | 0.00001 |
| 233.35 | 120.21 | 0.00001 | 226.27 | 127.28 | 0.00001 |
| 219.20 | 134.35 | 0.00001 | 212.13 | 141.42 | 0.00001 |
| 205.06 | 148.49 | 0.00001 | 197.99 | 155.56 | 0.00001 |
| 194.45 | 159.10 | 0.00001 | 190.92 | 162.63 | 0.00001 |
| 188.80 | 164.76 | 0.00001 | 187.38 | 166.17 | 0.00001 |
| 185.97 | 167.58 | 0.00001 | 184.55 | 169.00 | 0.00001 |
| 183.14 | 170.41 | 0.00001 | 170.41 | 183.14 | 0.00001 |
| 169.00 | 184.55 | 0.00001 | 167.58 | 185.97 | 0.00001 |
| 166.17 | 187.38 | 0.00001 | 164.76 | 188.80 | 0.00001 |
| 162.63 | 190.92 | 0.00001 | 159.10 | 194.45 | 0.00001 |
| 155.56 | 197.99 | 0.00001 | 148.49 | 205.06 | 0.00001 |
| 141.42 | 212.13 | 0.00001 | 134.35 | 219.20 | 0.00001 |
| 127.28 | 226.27 | 0.00001 | 120.21 | 233.35 | 0.00001 |
| 113.14 | 240.42 | 0.00001 | 106.07 | 247.49 | 0.00001 |
| 240.42 | 98.99 | 0.00001 | 233.35 | 106.07 | 0.00001 |
| 226.27 | 113.14 | 0.00001 | 219.20 | 120.21 | 0.00001 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 212.13 | 127.28 | 0.00001 | 205.06 | 134.35 | 0.00001 |
| 197.99 | 141.42 | 0.00001 | 190.92 | 148.49 | 0.00001 |
| 187.38 | 152.03 | 0.00001 | 183.85 | 155.56 | 0.00001 |
| 181.73 | 157.68 | 0.00001 | 180.31 | 159.10 | 0.00001 |
| 178.90 | 160.51 | 0.00001 | 177.48 | 161.93 | 0.00001 |
| 176.07 | 163.34 | 0.00001 | 163.34 | 176.07 | 0.00001 |
| 161.93 | 177.48 | 0.00001 | 160.51 | 178.90 | 0.00001 |
| 159.10 | 180.31 | 0.00001 | 157.68 | 181.73 | 0.00001 |
| 155.56 | 183.85 | 0.00001 | 152.03 | 187.38 | 0.00001 |
| 148.49 | 190.92 | 0.00001 | 141.42 | 197.99 | 0.00001 |
| 134.35 | 205.06 | 0.00001 | 127.28 | 212.13 | 0.00001 |
| 120.21 | 219.20 | 0.00001 | 113.14 | 226.27 | 0.00001 |
| 106.07 | 233.35 | 0.00001 | 98.99 | 240.42 | 0.00001 |
| 233.35 | 91.92 | 0.00001 | 226.27 | 98.99 | 0.00001 |
| 219.20 | 106.07 | 0.00001 | 212.13 | 113.14 | 0.00001 |
| 205.06 | 120.21 | 0.00001 | 197.99 | 127.28 | 0.00001 |
| 190.92 | 134.35 | 0.00001 | 183.85 | 141.42 | 0.00001 |
| 180.31 | 144.96 | 0.00001 | 176.78 | 148.49 | 0.00001 |
| 174.66 | 150.61 | 0.00001 | 173.24 | 152.03 | 0.00001 |
| 171.83 | 153.44 | 0.00001 | 170.41 | 154.86 | 0.00001 |
| 169.00 | 156.27 | 0.00001 | 156.27 | 169.00 | 0.00001 |
| 154.86 | 170.41 | 0.00001 | 153.44 | 171.83 | 0.00001 |
| 152.03 | 173.24 | 0.00001 | 150.61 | 174.66 | 0.00001 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTS:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1
 *** INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 148.49 | 176.78 | 0.00001 | 144.96 | 180.31 | 0.00001 |
| 141.42 | 183.85 | 0.00001 | 134.35 | 190.92 | 0.00001 |
| 127.28 | 197.99 | 0.00001 | 120.21 | 205.06 | 0.00001 |
| 113.14 | 212.13 | 0.00001 | 106.07 | 219.20 | 0.00001 |
| 99.00 | 226.27 | 0.00001 | 91.92 | 233.35 | 0.00001 |
| 226.27 | 84.85 | 0.00001 | 219.20 | 91.92 | 0.00001 |
| 212.13 | 98.99 | 0.00001 | 205.06 | 106.07 | 0.00001 |
| 197.99 | 113.14 | 0.00001 | 190.92 | 120.21 | 0.00001 |
| 183.85 | 127.28 | 0.00001 | 176.78 | 134.35 | 0.00001 |
| 173.24 | 137.89 | 0.00001 | 169.71 | 141.42 | 0.00001 |
| 167.58 | 143.54 | 0.00001 | 166.17 | 144.96 | 0.00001 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 164.76 | 146.37 | 0.00001 | 163.34 | 147.79 | 0.00001 |
| 161.93 | 149.20 | 0.00001 | 149.20 | 161.93 | 0.00001 |
| 147.79 | 163.34 | 0.00001 | 146.37 | 164.76 | 0.00001 |
| 144.96 | 166.17 | 0.00001 | 143.54 | 167.58 | 0.00001 |
| 141.42 | 169.71 | 0.00001 | 137.89 | 173.24 | 0.00001 |
| 134.35 | 176.78 | 0.00001 | 127.28 | 183.85 | 0.00001 |
| 120.21 | 190.92 | 0.00001 | 113.14 | 197.99 | 0.00001 |
| 106.07 | 205.06 | 0.00001 | 99.00 | 212.13 | 0.00001 |
| 91.92 | 219.20 | 0.00001 | 84.85 | 226.27 | 0.00001 |
| 219.20 | 77.78 | 0.00002 | 212.13 | 84.85 | 0.00002 |
| 205.06 | 91.92 | 0.00001 | 197.99 | 98.99 | 0.00001 |
| 190.92 | 106.07 | 0.00001 | 183.85 | 113.14 | 0.00001 |
| 176.78 | 120.21 | 0.00001 | 169.71 | 127.28 | 0.00001 |
| 166.17 | 130.81 | 0.00001 | 162.63 | 134.35 | 0.00001 |
| 160.51 | 136.47 | 0.00001 | 159.10 | 137.89 | 0.00001 |
| 157.68 | 139.30 | 0.00001 | 156.27 | 140.71 | 0.00001 |
| 154.86 | 142.13 | 0.00001 | 142.13 | 154.86 | 0.00001 |
| 140.71 | 156.27 | 0.00001 | 139.30 | 157.68 | 0.00001 |
| 137.89 | 159.10 | 0.00001 | 136.47 | 160.51 | 0.00001 |
| 134.35 | 162.63 | 0.00001 | 130.81 | 166.17 | 0.00001 |
| 127.28 | 169.71 | 0.00001 | 120.21 | 176.78 | 0.00001 |
| 113.14 | 183.85 | 0.00001 | 106.07 | 190.92 | 0.00001 |
| 99.00 | 197.99 | 0.00001 | 91.92 | 205.06 | 0.00001 |
| 84.85 | 212.13 | 0.00001 | 77.78 | 219.20 | 0.00001 |
| 212.13 | 70.71 | 0.00002 | 205.06 | 77.78 | 0.00002 |
| 197.99 | 84.85 | 0.00002 | 190.92 | 91.92 | 0.00002 |
| 183.85 | 98.99 | 0.00002 | 176.78 | 106.07 | 0.00001 |
| 169.71 | 113.14 | 0.00001 | 162.63 | 120.21 | 0.00001 |
| 159.10 | 123.74 | 0.00001 | 155.56 | 127.28 | 0.00001 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1

INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44 | 129.40 | 0.00001 | 152.03 | 130.81 | 0.00001 |
| 150.61 | 132.23 | 0.00001 | 149.20 | 133.64 | 0.00001 |
| 147.79 | 135.06 | 0.00001 | 135.06 | 147.79 | 0.00001 |
| 133.64 | 149.20 | 0.00001 | 132.23 | 150.61 | 0.00001 |
| 130.81 | 152.03 | 0.00001 | 129.40 | 153.44 | 0.00001 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 127.28 | 155.56 | 0.00001 | 123.74 | 159.10 | 0.00001 |
| 120.21 | 162.63 | 0.00001 | 113.14 | 169.71 | 0.00001 |
| 106.07 | 176.78 | 0.00001 | 98.99 | 183.85 | 0.00001 |
| 91.92 | 190.92 | 0.00001 | 84.85 | 197.99 | 0.00001 |
| 77.78 | 205.06 | 0.00001 | 70.71 | 212.13 | 0.00001 |
| 205.06 | 63.64 | 0.00002 | 197.99 | 70.71 | 0.00002 |
| 190.92 | 77.78 | 0.00002 | 183.85 | 84.85 | 0.00002 |
| 176.78 | 91.92 | 0.00002 | 169.71 | 98.99 | 0.00002 |
| 162.63 | 106.07 | 0.00002 | 155.56 | 113.14 | 0.00001 |
| 152.03 | 116.67 | 0.00001 | 148.49 | 120.21 | 0.00001 |
| 146.37 | 122.33 | 0.00001 | 144.96 | 123.74 | 0.00001 |
| 143.54 | 125.16 | 0.00001 | 142.13 | 126.57 | 0.00001 |
| 140.71 | 127.99 | 0.00001 | 127.99 | 140.71 | 0.00001 |
| 126.57 | 142.13 | 0.00001 | 125.16 | 143.54 | 0.00001 |
| 123.74 | 144.96 | 0.00001 | 122.33 | 146.37 | 0.00001 |
| 120.21 | 148.49 | 0.00001 | 116.67 | 152.03 | 0.00001 |
| 113.14 | 155.56 | 0.00001 | 106.07 | 162.63 | 0.00001 |
| 98.99 | 169.71 | 0.00001 | 91.92 | 176.78 | 0.00001 |
| 84.85 | 183.85 | 0.00001 | 77.78 | 190.92 | 0.00001 |
| 70.71 | 197.99 | 0.00001 | 63.64 | 205.06 | 0.00001 |
| 197.99 | 56.57 | 0.00002 | 190.92 | 63.64 | 0.00002 |
| 183.85 | 70.71 | 0.00002 | 176.78 | 77.78 | 0.00002 |
| 169.71 | 84.85 | 0.00002 | 162.63 | 91.92 | 0.00002 |
| 155.56 | 98.99 | 0.00002 | 148.49 | 106.07 | 0.00002 |
| 144.96 | 109.60 | 0.00002 | 141.42 | 113.14 | 0.00002 |
| 139.30 | 115.26 | 0.00002 | 137.89 | 116.67 | 0.00002 |
| 136.47 | 118.09 | 0.00001 | 135.06 | 119.50 | 0.00001 |
| 133.64 | 120.92 | 0.00001 | 120.92 | 133.64 | 0.00001 |
| 119.50 | 135.06 | 0.00001 | 118.09 | 136.47 | 0.00001 |
| 116.67 | 137.89 | 0.00001 | 115.26 | 139.30 | 0.00001 |
| 113.14 | 141.42 | 0.00001 | 109.60 | 144.96 | 0.00001 |
| 106.07 | 148.49 | 0.00001 | 98.99 | 155.56 | 0.00001 |
| 91.92 | 162.63 | 0.00001 | 84.85 | 169.71 | 0.00001 |
| 77.78 | 176.78 | 0.00001 | 70.71 | 183.85 | 0.00001 |
| 63.64 | 190.92 | 0.00001 | 56.57 | 197.99 | 0.00001 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** *** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1
 INCLUDING SOURCE(S): NCRA_S1 ,
 *** DISCRETE CARTESIAN RECEPTOR POINTS ***
 ** CONC OF OTHER IN MICROGRAMS/M**3 **

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound
CONC

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 190.92 | 49.50 | 0.00002 | 183.85 | 56.57 | 0.00002 |
| 176.78 | 63.64 | 0.00002 | 169.71 | 70.71 | 0.00002 |
| 162.63 | 77.78 | 0.00002 | 155.56 | 84.85 | 0.00002 |
| 148.49 | 91.92 | 0.00002 | 141.42 | 98.99 | 0.00002 |
| 137.89 | 102.53 | 0.00002 | 134.35 | 106.07 | 0.00002 |
| 132.23 | 108.19 | 0.00002 | 130.81 | 109.60 | 0.00002 |
| 129.40 | 111.02 | 0.00002 | 127.99 | 112.43 | 0.00002 |
| 126.57 | 113.84 | 0.00002 | 113.84 | 126.57 | 0.00002 |
| 112.43 | 127.99 | 0.00002 | 111.02 | 129.40 | 0.00002 |
| 109.60 | 130.81 | 0.00002 | 108.19 | 132.23 | 0.00002 |
| 106.07 | 134.35 | 0.00002 | 102.53 | 137.89 | 0.00002 |
| 98.99 | 141.42 | 0.00002 | 91.92 | 148.49 | 0.00001 |
| 84.85 | 155.56 | 0.00001 | 77.78 | 162.63 | 0.00001 |
| 70.71 | 169.71 | 0.00001 | 63.64 | 176.78 | 0.00001 |
| 56.57 | 183.85 | 0.00001 | 49.50 | 190.92 | 0.00001 |
| 183.85 | 42.43 | 0.00002 | 176.78 | 49.50 | 0.00002 |
| 169.71 | 56.57 | 0.00002 | 162.63 | 63.64 | 0.00002 |
| 155.56 | 70.71 | 0.00002 | 148.49 | 77.78 | 0.00002 |
| 141.42 | 84.85 | 0.00002 | 134.35 | 91.92 | 0.00002 |
| 130.81 | 95.46 | 0.00002 | 127.28 | 98.99 | 0.00002 |
| 125.16 | 101.12 | 0.00002 | 123.74 | 102.53 | 0.00002 |
| 122.33 | 103.94 | 0.00002 | 120.92 | 105.36 | 0.00002 |
| 119.50 | 106.77 | 0.00002 | 106.77 | 119.50 | 0.00002 |
| 105.36 | 120.92 | 0.00002 | 103.94 | 122.33 | 0.00002 |
| 102.53 | 123.74 | 0.00002 | 101.12 | 125.16 | 0.00002 |
| 98.99 | 127.28 | 0.00002 | 95.46 | 130.81 | 0.00002 |
| 91.92 | 134.35 | 0.00002 | 84.85 | 141.42 | 0.00002 |
| 77.78 | 148.49 | 0.00002 | 70.71 | 155.56 | 0.00001 |
| 63.64 | 162.63 | 0.00001 | 56.57 | 169.71 | 0.00001 |
| 49.50 | 176.78 | 0.00001 | 42.43 | 183.85 | 0.00001 |
| 176.78 | 35.36 | 0.00002 | 169.71 | 42.43 | 0.00002 |
| 162.63 | 49.50 | 0.00002 | 155.56 | 56.57 | 0.00002 |
| 148.49 | 63.64 | 0.00002 | 141.42 | 70.71 | 0.00002 |
| 134.35 | 77.78 | 0.00002 | 127.28 | 84.85 | 0.00002 |
| 123.74 | 88.39 | 0.00002 | 120.21 | 91.92 | 0.00002 |
| 118.09 | 94.05 | 0.00002 | 116.67 | 95.46 | 0.00002 |
| 115.26 | 96.87 | 0.00002 | 113.84 | 98.29 | 0.00002 |
| 112.43 | 99.70 | 0.00002 | 99.70 | 112.43 | 0.00002 |
| 98.29 | 113.84 | 0.00002 | 96.87 | 115.26 | 0.00002 |
| 95.46 | 116.67 | 0.00002 | 94.05 | 118.09 | 0.00002 |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43

**MODELOPTS:

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1

INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 91.92 | 120.21 | 0.00002 | 88.39 | 123.74 | 0.00002 |
| 84.85 | 127.28 | 0.00002 | 77.78 | 134.35 | 0.00002 |
| 70.71 | 141.42 | 0.00002 | 63.64 | 148.49 | 0.00002 |
| 56.57 | 155.56 | 0.00001 | 49.50 | 162.63 | 0.00001 |
| 42.43 | 169.71 | 0.00001 | 35.36 | 176.78 | 0.00001 |
| 169.71 | 28.28 | 0.00002 | 162.63 | 35.36 | 0.00002 |
| 155.56 | 42.43 | 0.00002 | 148.49 | 49.50 | 0.00002 |
| 141.42 | 56.57 | 0.00002 | 134.35 | 63.64 | 0.00002 |
| 127.28 | 70.71 | 0.00002 | 120.21 | 77.78 | 0.00002 |
| 116.67 | 81.32 | 0.00002 | 113.14 | 84.85 | 0.00002 |
| 111.02 | 86.97 | 0.00002 | 109.60 | 88.39 | 0.00002 |
| 108.19 | 89.80 | 0.00002 | 106.77 | 91.22 | 0.00002 |
| 105.36 | 92.63 | 0.00002 | 92.63 | 105.36 | 0.00002 |
| 91.22 | 106.77 | 0.00002 | 89.80 | 108.19 | 0.00002 |
| 88.39 | 109.60 | 0.00002 | 86.97 | 111.02 | 0.00002 |
| 84.85 | 113.14 | 0.00002 | 81.32 | 116.67 | 0.00002 |
| 77.78 | 120.21 | 0.00002 | 70.71 | 127.28 | 0.00002 |
| 63.64 | 134.35 | 0.00002 | 56.57 | 141.42 | 0.00002 |
| 49.50 | 148.49 | 0.00002 | 42.43 | 155.56 | 0.00001 |
| 35.36 | 162.63 | 0.00001 | 28.28 | 169.71 | 0.00001 |
| 162.63 | 21.21 | 0.00003 | 155.56 | 28.28 | 0.00002 |
| 148.49 | 35.36 | 0.00002 | 141.42 | 42.43 | 0.00002 |
| 134.35 | 49.50 | 0.00002 | 127.28 | 56.57 | 0.00002 |
| 120.21 | 63.64 | 0.00002 | 113.14 | 70.71 | 0.00002 |
| 109.60 | 74.25 | 0.00002 | 106.07 | 77.78 | 0.00002 |
| 103.94 | 79.90 | 0.00002 | 102.53 | 81.32 | 0.00002 |
| 101.12 | 82.73 | 0.00002 | 99.70 | 84.15 | 0.00002 |
| 98.29 | 85.56 | 0.00002 | 85.56 | 98.29 | 0.00002 |
| 84.15 | 99.70 | 0.00002 | 82.73 | 101.12 | 0.00002 |
| 81.32 | 102.53 | 0.00002 | 79.90 | 103.94 | 0.00002 |
| 77.78 | 106.07 | 0.00002 | 74.25 | 109.60 | 0.00002 |
| 70.71 | 113.14 | 0.00002 | 63.64 | 120.21 | 0.00002 |
| 56.57 | 127.28 | 0.00002 | 49.50 | 134.35 | 0.00002 |
| 42.43 | 141.42 | 0.00002 | 35.36 | 148.49 | 0.00002 |
| 28.28 | 155.56 | 0.00001 | 21.21 | 162.63 | 0.00001 |
| 155.56 | 14.14 | 0.00003 | 148.49 | 21.21 | 0.00003 |
| 141.42 | 28.28 | 0.00003 | 134.35 | 35.36 | 0.00003 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|-------|---------|--------|-------|---------|
| 127.28 | 42.43 | 0.00002 | 120.21 | 49.50 | 0.00002 |
| 113.14 | 56.57 | 0.00002 | 106.07 | 63.64 | 0.00002 |
| 102.53 | 67.18 | 0.00002 | 98.99 | 70.71 | 0.00002 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1
 *** INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 96.87 | 72.83 | 0.00002 | 95.46 | 74.25 | 0.00002 |
| 94.05 | 75.66 | 0.00002 | 92.63 | 77.07 | 0.00002 |
| 91.22 | 78.49 | 0.00002 | 78.49 | 91.22 | 0.00002 |
| 77.07 | 92.63 | 0.00002 | 75.66 | 94.05 | 0.00002 |
| 74.25 | 95.46 | 0.00002 | 72.83 | 96.87 | 0.00002 |
| 70.71 | 98.99 | 0.00002 | 67.18 | 102.53 | 0.00002 |
| 63.64 | 106.07 | 0.00002 | 56.57 | 113.14 | 0.00002 |
| 49.50 | 120.21 | 0.00002 | 42.43 | 127.28 | 0.00002 |
| 35.36 | 134.35 | 0.00002 | 28.28 | 141.42 | 0.00002 |
| 21.21 | 148.49 | 0.00002 | 14.14 | 155.56 | 0.00002 |
| 148.49 | 7.07 | 0.00003 | 141.42 | 14.14 | 0.00003 |
| 134.35 | 21.21 | 0.00003 | 127.28 | 28.28 | 0.00003 |
| 120.21 | 35.36 | 0.00003 | 113.14 | 42.43 | 0.00003 |
| 106.07 | 49.50 | 0.00003 | 98.99 | 56.57 | 0.00002 |
| 95.46 | 60.10 | 0.00002 | 91.92 | 63.64 | 0.00002 |
| 89.80 | 65.76 | 0.00002 | 88.39 | 67.18 | 0.00002 |
| 86.97 | 68.59 | 0.00002 | 85.56 | 70.00 | 0.00002 |
| 84.15 | 71.42 | 0.00002 | 71.42 | 84.15 | 0.00002 |
| 70.00 | 85.56 | 0.00002 | 68.59 | 86.97 | 0.00002 |
| 67.18 | 88.39 | 0.00002 | 65.76 | 89.80 | 0.00002 |
| 63.64 | 91.92 | 0.00002 | 60.10 | 95.46 | 0.00002 |
| 56.57 | 98.99 | 0.00002 | 49.50 | 106.07 | 0.00002 |
| 42.43 | 113.14 | 0.00002 | 35.36 | 120.21 | 0.00002 |
| 28.28 | 127.28 | 0.00002 | 21.21 | 134.35 | 0.00002 |
| 14.14 | 141.42 | 0.00002 | 7.07 | 148.49 | 0.00002 |
| 141.42 | 0.00 | 0.00003 | 134.35 | 7.07 | 0.00003 |
| 127.28 | 14.14 | 0.00003 | 120.21 | 21.21 | 0.00003 |
| 113.14 | 28.28 | 0.00003 | 106.07 | 35.36 | 0.00003 |
| 98.99 | 42.43 | 0.00003 | 91.92 | 49.50 | 0.00003 |
| 88.39 | 53.03 | 0.00003 | 84.85 | 56.57 | 0.00003 |
| 82.73 | 58.69 | 0.00002 | 81.32 | 60.10 | 0.00002 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|-------|--------|---------|-------|--------|---------|
| 79.90 | 61.52 | 0.00002 | 78.49 | 62.93 | 0.00002 |
| 77.07 | 64.35 | 0.00002 | 64.35 | 77.07 | 0.00002 |
| 62.93 | 78.49 | 0.00002 | 61.52 | 79.90 | 0.00002 |
| 60.10 | 81.32 | 0.00002 | 58.69 | 82.73 | 0.00002 |
| 56.57 | 84.85 | 0.00002 | 53.03 | 88.39 | 0.00002 |
| 49.50 | 91.92 | 0.00002 | 42.43 | 98.99 | 0.00002 |
| 35.36 | 106.07 | 0.00002 | 28.28 | 113.14 | 0.00002 |
| 21.21 | 120.21 | 0.00002 | 14.14 | 127.28 | 0.00002 |
| 7.07 | 134.35 | 0.00002 | 0.00 | 141.42 | 0.00002 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1

INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 134.35 | -7.07 | 0.00003 | 127.28 | 0.00 | 0.00003 |
| 120.21 | 7.07 | 0.00003 | 113.14 | 14.14 | 0.00003 |
| 106.07 | 21.21 | 0.00003 | 98.99 | 28.28 | 0.00003 |
| 91.92 | 35.36 | 0.00003 | 84.85 | 42.43 | 0.00003 |
| 81.32 | 45.96 | 0.00003 | 77.78 | 49.50 | 0.00003 |
| 75.66 | 51.62 | 0.00003 | 74.25 | 53.03 | 0.00003 |
| 72.83 | 54.45 | 0.00003 | 71.42 | 55.86 | 0.00003 |
| 70.00 | 57.28 | 0.00003 | 57.28 | 70.00 | 0.00003 |
| 55.86 | 71.42 | 0.00003 | 54.45 | 72.83 | 0.00003 |
| 53.03 | 74.25 | 0.00003 | 51.62 | 75.66 | 0.00003 |
| 49.50 | 77.78 | 0.00003 | 45.96 | 81.32 | 0.00002 |
| 42.43 | 84.85 | 0.00002 | 35.36 | 91.92 | 0.00002 |
| 28.28 | 98.99 | 0.00002 | 21.21 | 106.07 | 0.00002 |
| 14.14 | 113.14 | 0.00002 | 7.07 | 120.21 | 0.00002 |
| 0.00 | 127.28 | 0.00002 | -7.07 | 134.35 | 0.00002 |
| 127.28 | -14.14 | 0.00004 | 120.21 | -7.07 | 0.00004 |
| 113.14 | 0.00 | 0.00004 | 106.07 | 7.07 | 0.00003 |
| 98.99 | 14.14 | 0.00003 | 91.92 | 21.21 | 0.00003 |
| 84.85 | 28.28 | 0.00003 | 77.78 | 35.36 | 0.00003 |
| 74.25 | 38.89 | 0.00003 | 70.71 | 42.43 | 0.00003 |
| 68.59 | 44.55 | 0.00003 | 67.18 | 45.96 | 0.00003 |
| 65.76 | 47.38 | 0.00003 | 64.35 | 48.79 | 0.00003 |
| 62.93 | 50.20 | 0.00003 | 50.20 | 62.93 | 0.00003 |
| 48.79 | 64.35 | 0.00003 | 47.38 | 65.76 | 0.00003 |
| 45.96 | 67.18 | 0.00003 | 44.55 | 68.59 | 0.00003 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 42.43 | 70.71 | 0.00003 | 38.89 | 74.25 | 0.00003 |
| 35.36 | 77.78 | 0.00003 | 28.28 | 84.85 | 0.00002 |
| 21.21 | 91.92 | 0.00002 | 14.14 | 98.99 | 0.00002 |
| 7.07 | 106.07 | 0.00002 | 0.00 | 113.14 | 0.00002 |
| -7.07 | 120.21 | 0.00002 | -14.14 | 127.28 | 0.00002 |
| 120.21 | -21.21 | 0.00004 | 113.14 | -14.14 | 0.00004 |
| 106.07 | -7.07 | 0.00004 | 98.99 | 0.00 | 0.00004 |
| 91.92 | 7.07 | 0.00004 | 84.85 | 14.14 | 0.00004 |
| 77.78 | 21.21 | 0.00003 | 70.71 | 28.28 | 0.00003 |
| 67.18 | 31.82 | 0.00003 | 63.64 | 35.36 | 0.00003 |
| 61.52 | 37.48 | 0.00003 | 60.10 | 38.89 | 0.00003 |
| 58.69 | 40.31 | 0.00003 | 57.28 | 41.72 | 0.00003 |
| 55.86 | 43.13 | 0.00003 | 43.13 | 55.86 | 0.00003 |
| 41.72 | 57.28 | 0.00003 | 40.31 | 58.69 | 0.00003 |
| 38.89 | 60.10 | 0.00003 | 37.48 | 61.52 | 0.00003 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1

INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 63.64 | 0.00003 | 31.82 | 67.18 | 0.00003 |
| 28.28 | 70.71 | 0.00003 | 21.21 | 77.78 | 0.00003 |
| 14.14 | 84.85 | 0.00002 | 7.07 | 91.92 | 0.00002 |
| 0.00 | 98.99 | 0.00002 | -7.07 | 106.07 | 0.00002 |
| -14.14 | 113.14 | 0.00002 | -21.21 | 120.21 | 0.00002 |
| 113.14 | -28.28 | 0.00005 | 106.07 | -21.21 | 0.00004 |
| 98.99 | -14.14 | 0.00004 | 91.92 | -7.07 | 0.00004 |
| 84.85 | 0.00 | 0.00004 | 77.78 | 7.07 | 0.00004 |
| 70.71 | 14.14 | 0.00004 | 63.64 | 21.21 | 0.00004 |
| 60.10 | 24.75 | 0.00004 | 56.57 | 28.28 | 0.00003 |
| 54.45 | 30.41 | 0.00003 | 53.03 | 31.82 | 0.00003 |
| 51.62 | 33.23 | 0.00003 | 50.20 | 34.65 | 0.00003 |
| 48.79 | 36.06 | 0.00003 | 36.06 | 48.79 | 0.00003 |
| 34.65 | 50.20 | 0.00003 | 33.23 | 51.62 | 0.00003 |
| 31.82 | 53.03 | 0.00003 | 30.41 | 54.45 | 0.00003 |
| 28.28 | 56.57 | 0.00003 | 24.75 | 60.10 | 0.00003 |
| 21.21 | 63.64 | 0.00003 | 14.14 | 70.71 | 0.00003 |
| 7.07 | 77.78 | 0.00003 | 0.00 | 84.85 | 0.00003 |
| -7.07 | 91.92 | 0.00002 | -14.14 | 98.99 | 0.00002 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -21.21 | 106.07 | 0.00002 | -28.28 | 113.14 | 0.00002 |
| 106.07 | -35.36 | 0.00005 | 98.99 | -28.28 | 0.00005 |
| 91.92 | -21.21 | 0.00005 | 84.85 | -14.14 | 0.00004 |
| 77.78 | -7.07 | 0.00004 | 70.71 | 0.00 | 0.00004 |
| 63.64 | 7.07 | 0.00004 | 56.57 | 14.14 | 0.00004 |
| 53.03 | 17.68 | 0.00004 | 49.50 | 21.21 | 0.00004 |
| 47.38 | 23.33 | 0.00004 | 45.96 | 24.75 | 0.00004 |
| 44.55 | 26.16 | 0.00004 | 43.13 | 27.58 | 0.00004 |
| 41.72 | 28.99 | 0.00004 | 28.99 | 41.72 | 0.00003 |
| 27.58 | 43.13 | 0.00003 | 26.16 | 44.55 | 0.00003 |
| 24.75 | 45.96 | 0.00003 | 23.33 | 47.38 | 0.00003 |
| 21.21 | 49.50 | 0.00003 | 17.68 | 53.03 | 0.00003 |
| 14.14 | 56.57 | 0.00003 | 7.07 | 63.64 | 0.00003 |
| 0.00 | 70.71 | 0.00003 | -7.07 | 77.78 | 0.00003 |
| -14.14 | 84.85 | 0.00003 | -21.21 | 91.92 | 0.00003 |
| -28.28 | 98.99 | 0.00002 | -35.36 | 106.07 | 0.00002 |
| 98.99 | -42.43 | 0.00006 | 91.92 | -35.36 | 0.00006 |
| 84.85 | -28.28 | 0.00005 | 77.78 | -21.21 | 0.00005 |
| 70.71 | -14.14 | 0.00005 | 63.64 | -7.07 | 0.00005 |
| 56.57 | 0.00 | 0.00005 | 49.50 | 7.07 | 0.00004 |
| 45.96 | 10.61 | 0.00004 | 42.43 | 14.14 | 0.00004 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1
 *** INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER | | | IN MICROGRAMS/M**3 | | |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| 40.31 | 16.26 | 0.00004 | 38.89 | 17.68 | 0.00004 |
| 37.48 | 19.09 | 0.00004 | 36.06 | 20.51 | 0.00004 |
| 34.65 | 21.92 | 0.00004 | 21.92 | 34.65 | 0.00004 |
| 20.51 | 36.06 | 0.00004 | 19.09 | 37.48 | 0.00004 |
| 17.68 | 38.89 | 0.00004 | 16.26 | 40.31 | 0.00004 |
| 14.14 | 42.43 | 0.00004 | 10.61 | 45.96 | 0.00004 |
| 7.07 | 49.50 | 0.00004 | 0.00 | 56.57 | 0.00003 |
| -7.07 | 63.64 | 0.00003 | -14.14 | 70.71 | 0.00003 |
| -21.21 | 77.78 | 0.00003 | -28.28 | 84.85 | 0.00003 |
| -35.36 | 91.92 | 0.00003 | -42.43 | 98.99 | 0.00003 |
| 91.92 | -49.50 | 0.00007 | 84.85 | -42.43 | 0.00006 |
| 77.78 | -35.36 | 0.00006 | 70.71 | -28.28 | 0.00006 |
| 63.64 | -21.21 | 0.00005 | 56.57 | -14.14 | 0.00005 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 49.50 | -7.07 | 0.00005 | 42.43 | 0.00 | 0.00005 |
| 38.89 | 3.54 | 0.00005 | 35.36 | 7.07 | 0.00005 |
| 33.23 | 9.19 | 0.00004 | 31.82 | 10.61 | 0.00004 |
| 30.41 | 12.02 | 0.00004 | 28.99 | 13.44 | 0.00004 |
| 27.58 | 14.85 | 0.00004 | 14.85 | 27.58 | 0.00004 |
| 13.44 | 28.99 | 0.00004 | 12.02 | 30.41 | 0.00004 |
| 10.61 | 31.82 | 0.00004 | 9.19 | 33.23 | 0.00004 |
| 7.07 | 35.36 | 0.00004 | 3.54 | 38.89 | 0.00004 |
| 0.00 | 42.43 | 0.00004 | -7.07 | 49.50 | 0.00004 |
| -14.14 | 56.57 | 0.00003 | -21.21 | 63.64 | 0.00003 |
| -28.28 | 70.71 | 0.00003 | -35.36 | 77.78 | 0.00003 |
| -42.43 | 84.85 | 0.00003 | -49.50 | 91.92 | 0.00003 |
| 84.85 | -56.57 | 0.00008 | 77.78 | -49.50 | 0.00007 |
| 70.71 | -42.43 | 0.00007 | 63.64 | -35.36 | 0.00006 |
| 56.57 | -28.28 | 0.00006 | 49.50 | -21.21 | 0.00006 |
| 42.43 | -14.14 | 0.00006 | 35.36 | -7.07 | 0.00005 |
| 31.82 | -3.54 | 0.00005 | 28.28 | 0.00 | 0.00005 |
| 26.16 | 2.12 | 0.00005 | 24.75 | 3.54 | 0.00005 |
| 23.33 | 4.95 | 0.00005 | 21.92 | 6.36 | 0.00005 |
| 20.51 | 7.78 | 0.00005 | 7.78 | 20.51 | 0.00005 |
| 6.36 | 21.92 | 0.00005 | 4.95 | 23.33 | 0.00005 |
| 3.54 | 24.75 | 0.00004 | 2.12 | 26.16 | 0.00004 |
| 0.00 | 28.28 | 0.00004 | -3.54 | 31.82 | 0.00004 |
| -7.07 | 35.36 | 0.00004 | -14.14 | 42.43 | 0.00004 |
| -21.21 | 49.50 | 0.00004 | -28.28 | 56.57 | 0.00003 |
| -35.36 | 63.64 | 0.00003 | -42.43 | 70.71 | 0.00003 |
| -49.50 | 77.78 | 0.00003 | -56.57 | 84.85 | 0.00003 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1

INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 77.78 | -63.64 | 0.00009 | 70.71 | -56.57 | 0.00009 |
| 63.64 | -49.50 | 0.00008 | 56.57 | -42.43 | 0.00007 |
| 49.50 | -35.36 | 0.00007 | 42.43 | -28.28 | 0.00006 |
| 35.36 | -21.21 | 0.00006 | 28.28 | -14.14 | 0.00006 |
| 24.75 | -10.61 | 0.00006 | 21.21 | -7.07 | 0.00006 |
| 19.09 | -4.95 | 0.00006 | 17.68 | -3.54 | 0.00005 |
| 16.26 | -2.12 | 0.00005 | 14.85 | -0.71 | 0.00005 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 13.44 | 0.71 | 0.00005 | 0.71 | 13.44 | 0.00005 |
| -0.71 | 14.85 | 0.00005 | -2.12 | 16.26 | 0.00005 |
| -3.54 | 17.68 | 0.00005 | -4.95 | 19.09 | 0.00005 |
| -7.07 | 21.21 | 0.00005 | -10.61 | 24.75 | 0.00005 |
| -14.14 | 28.28 | 0.00005 | -21.21 | 35.36 | 0.00004 |
| -28.28 | 42.43 | 0.00004 | -35.36 | 49.50 | 0.00004 |
| -42.43 | 56.57 | 0.00004 | -49.50 | 63.64 | 0.00004 |
| -56.57 | 70.71 | 0.00003 | -63.64 | 77.78 | 0.00003 |
| 70.71 | -70.71 | 0.00011 | 63.64 | -63.64 | 0.00010 |
| 56.57 | -56.57 | 0.00009 | 49.50 | -49.50 | 0.00008 |
| 42.43 | -42.43 | 0.00008 | 35.36 | -35.36 | 0.00007 |
| 28.28 | -28.28 | 0.00007 | 21.21 | -21.21 | 0.00007 |
| 17.68 | -17.68 | 0.00006 | 14.14 | -14.14 | 0.00006 |
| 12.02 | -12.02 | 0.00006 | 10.61 | -10.61 | 0.00006 |
| 9.19 | -9.19 | 0.00006 | 7.78 | -7.78 | 0.00006 |
| 6.36 | -6.36 | 0.00006 | -6.36 | 6.36 | 0.00006 |
| -7.78 | 7.78 | 0.00006 | -9.19 | 9.19 | 0.00006 |
| -10.61 | 10.61 | 0.00005 | -12.02 | 12.02 | 0.00005 |
| -14.14 | 14.14 | 0.00005 | -17.68 | 17.68 | 0.00005 |
| -21.21 | 21.21 | 0.00005 | -28.28 | 28.28 | 0.00005 |
| -35.36 | 35.36 | 0.00004 | -42.43 | 42.43 | 0.00004 |
| -49.50 | 49.50 | 0.00004 | -56.57 | 56.57 | 0.00004 |
| -63.64 | 63.64 | 0.00004 | -70.71 | 70.71 | 0.00004 |
| 63.64 | -77.78 | 0.00013 | 56.57 | -70.71 | 0.00012 |
| 49.50 | -63.64 | 0.00011 | 42.43 | -56.57 | 0.00010 |
| 35.36 | -49.50 | 0.00009 | 28.28 | -42.43 | 0.00008 |
| 21.21 | -35.36 | 0.00008 | 14.14 | -28.28 | 0.00007 |
| 10.61 | -24.75 | 0.00007 | 7.07 | -21.21 | 0.00007 |
| 4.95 | -19.09 | 0.00007 | 3.54 | -17.68 | 0.00007 |
| 2.12 | -16.26 | 0.00007 | 0.71 | -14.85 | 0.00007 |
| -0.71 | -13.44 | 0.00007 | -13.44 | -0.71 | 0.00006 |
| -14.85 | 0.71 | 0.00006 | -16.26 | 2.12 | 0.00006 |
| -17.68 | 3.54 | 0.00006 | -19.09 | 4.95 | 0.00006 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1
 INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -21.21 | 7.07 | 0.00006 | -24.75 | 10.61 | 0.00006 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -28.28 | 14.14 | 0.00005 | -35.36 | 21.21 | 0.00005 |
| -42.43 | 28.28 | 0.00005 | -49.50 | 35.36 | 0.00005 |
| -56.57 | 42.43 | 0.00004 | -63.64 | 49.50 | 0.00004 |
| -70.71 | 56.57 | 0.00004 | -77.78 | 63.64 | 0.00004 |
| 56.57 | -84.85 | 0.00016 | 49.50 | -77.78 | 0.00014 |
| 42.43 | -70.71 | 0.00013 | 35.36 | -63.64 | 0.00012 |
| 28.28 | -56.57 | 0.00010 | 21.21 | -49.50 | 0.00010 |
| 14.14 | -42.43 | 0.00009 | 7.07 | -35.36 | 0.00009 |
| 3.54 | -31.82 | 0.00008 | 0.00 | -28.28 | 0.00008 |
| -2.12 | -26.16 | 0.00008 | -3.54 | -24.75 | 0.00008 |
| -4.95 | -23.33 | 0.00008 | -6.36 | -21.92 | 0.00008 |
| -7.78 | -20.51 | 0.00008 | -20.51 | -7.78 | 0.00007 |
| -21.92 | -6.36 | 0.00007 | -23.33 | -4.95 | 0.00007 |
| -24.75 | -3.54 | 0.00007 | -26.16 | -2.12 | 0.00007 |
| -28.28 | 0.00 | 0.00007 | -31.82 | 3.54 | 0.00006 |
| -35.36 | 7.07 | 0.00006 | -42.43 | 14.14 | 0.00006 |
| -49.50 | 21.21 | 0.00005 | -56.57 | 28.28 | 0.00005 |
| -63.64 | 35.36 | 0.00005 | -70.71 | 42.43 | 0.00005 |
| -77.78 | 49.50 | 0.00004 | -84.85 | 56.57 | 0.00004 |
| 49.50 | -91.92 | 0.00019 | 42.43 | -84.85 | 0.00018 |
| 35.36 | -77.78 | 0.00016 | 28.28 | -70.71 | 0.00014 |
| 21.21 | -63.64 | 0.00013 | 14.14 | -56.57 | 0.00011 |
| 7.07 | -49.50 | 0.00010 | 0.00 | -42.43 | 0.00010 |
| -3.54 | -38.89 | 0.00010 | -7.07 | -35.36 | 0.00009 |
| -9.19 | -33.23 | 0.00009 | -10.61 | -31.82 | 0.00009 |
| -12.02 | -30.41 | 0.00009 | -13.44 | -28.99 | 0.00009 |
| -14.85 | -27.58 | 0.00009 | -27.58 | -14.85 | 0.00008 |
| -28.99 | -13.44 | 0.00008 | -30.41 | -12.02 | 0.00008 |
| -31.82 | -10.61 | 0.00008 | -33.23 | -9.19 | 0.00008 |
| -35.36 | -7.07 | 0.00007 | -38.89 | -3.54 | 0.00007 |
| -42.43 | 0.00 | 0.00007 | -49.50 | 7.07 | 0.00006 |
| -56.57 | 14.14 | 0.00006 | -63.64 | 21.21 | 0.00006 |
| -70.71 | 28.28 | 0.00005 | -77.78 | 35.36 | 0.00005 |
| -84.85 | 42.43 | 0.00005 | -91.92 | 49.50 | 0.00005 |
| 42.43 | -98.99 | 0.00023 | 35.36 | -91.92 | 0.00022 |
| 28.28 | -84.85 | 0.00020 | 21.21 | -77.78 | 0.00018 |
| 14.14 | -70.71 | 0.00015 | 7.07 | -63.64 | 0.00014 |
| 0.00 | -56.57 | 0.00012 | -7.07 | -49.50 | 0.00011 |
| -10.61 | -45.96 | 0.00011 | -14.14 | -42.43 | 0.00011 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

INCLUDING SOURCE(S) : NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| | | ** CONC OF OTHER | IN MICROGRAMS/M**3 | | ** |
|-------------|-------------|------------------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| -16.26 | -40.31 | 0.00011 | -17.68 | -38.89 | 0.00010 |
| -19.09 | -37.48 | 0.00010 | -20.51 | -36.06 | 0.00010 |
| -21.92 | -34.65 | 0.00010 | -34.65 | -21.92 | 0.00009 |
| -36.06 | -20.51 | 0.00009 | -37.48 | -19.09 | 0.00009 |
| -38.89 | -17.68 | 0.00009 | -40.31 | -16.26 | 0.00009 |
| -42.43 | -14.14 | 0.00008 | -45.96 | -10.61 | 0.00008 |
| -49.50 | -7.07 | 0.00008 | -56.57 | 0.00 | 0.00007 |
| -63.64 | 7.07 | 0.00007 | -70.71 | 14.14 | 0.00006 |
| -77.78 | 21.21 | 0.00006 | -84.85 | 28.28 | 0.00006 |
| -91.92 | 35.36 | 0.00006 | -98.99 | 42.43 | 0.00005 |
| 35.36 | -106.07 | 0.00029 | 28.28 | -98.99 | 0.00027 |
| 21.21 | -91.92 | 0.00025 | 14.14 | -84.85 | 0.00022 |
| 7.07 | -77.78 | 0.00019 | 0.00 | -70.71 | 0.00017 |
| -7.07 | -63.64 | 0.00015 | -14.14 | -56.57 | 0.00014 |
| -17.68 | -53.03 | 0.00013 | -21.21 | -49.50 | 0.00013 |
| -23.33 | -47.38 | 0.00012 | -24.75 | -45.96 | 0.00012 |
| -26.16 | -44.55 | 0.00012 | -27.58 | -43.13 | 0.00012 |
| -28.99 | -41.72 | 0.00012 | -41.72 | -28.99 | 0.00011 |
| -43.13 | -27.58 | 0.00010 | -44.55 | -26.16 | 0.00010 |
| -45.96 | -24.75 | 0.00010 | -47.38 | -23.33 | 0.00010 |
| -49.50 | -21.21 | 0.00010 | -53.03 | -17.68 | 0.00009 |
| -56.57 | -14.14 | 0.00009 | -63.64 | -7.07 | 0.00008 |
| -70.71 | 0.00 | 0.00008 | -77.78 | 7.07 | 0.00007 |
| -84.85 | 14.14 | 0.00007 | -91.92 | 21.21 | 0.00006 |
| -98.99 | 28.28 | 0.00006 | -106.07 | 35.36 | 0.00006 |
| 28.28 | -113.14 | 0.00036 | 21.21 | -106.07 | 0.00034 |
| 14.14 | -98.99 | 0.00031 | 7.07 | -91.92 | 0.00028 |
| 0.00 | -84.85 | 0.00025 | -7.07 | -77.78 | 0.00022 |
| -14.14 | -70.71 | 0.00019 | -21.21 | -63.64 | 0.00016 |
| -24.75 | -60.10 | 0.00016 | -28.28 | -56.57 | 0.00015 |
| -30.41 | -54.45 | 0.00015 | -31.82 | -53.03 | 0.00014 |
| -33.23 | -51.62 | 0.00014 | -34.65 | -50.20 | 0.00014 |
| -36.06 | -48.79 | 0.00014 | -48.79 | -36.06 | 0.00012 |
| -50.20 | -34.65 | 0.00012 | -51.62 | -33.23 | 0.00012 |
| -53.03 | -31.82 | 0.00012 | -54.45 | -30.41 | 0.00011 |
| -56.57 | -28.28 | 0.00011 | -60.10 | -24.75 | 0.00010 |
| -63.64 | -21.21 | 0.00010 | -70.71 | -14.14 | 0.00009 |
| -77.78 | -7.07 | 0.00009 | -84.85 | 0.00 | 0.00008 |
| -91.92 | 7.07 | 0.00008 | -98.99 | 14.14 | 0.00007 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

-106.07 21.21 0.00007 -113.14 28.28 0.00007

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at NE/SW Bound Direction ***

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1
 INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 21.21 | -120.21 | 0.00045 | 14.14 | -113.14 | 0.00043 |
| 7.07 | -106.07 | 0.00041 | 0.00 | -98.99 | 0.00037 |
| -7.07 | -91.92 | 0.00033 | -14.14 | -84.85 | 0.00028 |
| -21.21 | -77.78 | 0.00024 | -28.28 | -70.71 | 0.00020 |
| -31.82 | -67.18 | 0.00019 | -35.36 | -63.64 | 0.00018 |
| -37.48 | -61.52 | 0.00018 | -38.89 | -60.10 | 0.00017 |
| -40.31 | -58.69 | 0.00017 | -41.72 | -57.28 | 0.00017 |
| -43.13 | -55.86 | 0.00016 | -55.86 | -43.13 | 0.00014 |
| -57.28 | -41.72 | 0.00014 | -58.69 | -40.31 | 0.00014 |
| -60.10 | -38.89 | 0.00013 | -61.52 | -37.48 | 0.00013 |
| -63.64 | -35.36 | 0.00013 | -67.18 | -31.82 | 0.00012 |
| -70.71 | -28.28 | 0.00011 | -77.78 | -21.21 | 0.00011 |
| -84.85 | -14.14 | 0.00010 | -91.92 | -7.07 | 0.00009 |
| -98.99 | 0.00 | 0.00009 | -106.07 | 7.07 | 0.00009 |
| -113.14 | 14.14 | 0.00009 | -120.21 | 21.21 | 0.00008 |
| 14.14 | -127.28 | 0.00057 | 7.07 | -120.21 | 0.00056 |
| 0.00 | -113.14 | 0.00053 | -7.07 | -106.07 | 0.00050 |
| -14.14 | -98.99 | 0.00045 | -21.21 | -91.92 | 0.00039 |
| -28.28 | -84.85 | 0.00033 | -35.36 | -77.78 | 0.00027 |
| -38.89 | -74.25 | 0.00025 | -42.43 | -70.71 | 0.00023 |
| -44.55 | -68.59 | 0.00022 | -45.96 | -67.18 | 0.00022 |
| -47.38 | -65.76 | 0.00021 | -48.79 | -64.35 | 0.00021 |
| -50.20 | -62.93 | 0.00020 | -62.93 | -50.20 | 0.00017 |
| -64.35 | -48.79 | 0.00017 | -65.76 | -47.38 | 0.00016 |
| -67.18 | -45.96 | 0.00016 | -68.59 | -44.55 | 0.00015 |
| -70.71 | -42.43 | 0.00015 | -74.25 | -38.89 | 0.00014 |
| -77.78 | -35.36 | 0.00013 | -84.85 | -28.28 | 0.00012 |
| -91.92 | -21.21 | 0.00012 | -98.99 | -14.14 | 0.00011 |
| -106.07 | -7.07 | 0.00011 | -113.14 | 0.00 | 0.00011 |
| -120.21 | 7.07 | 0.00010 | -127.28 | 14.14 | 0.00010 |
| 7.07 | -134.35 | 0.00072 | 0.00 | -127.28 | 0.00072 |
| -7.07 | -120.21 | 0.00071 | -14.14 | -113.14 | 0.00068 |
| -21.21 | -106.07 | 0.00062 | -28.28 | -98.99 | 0.00055 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -35.36 | -91.92 | 0.00047 | -42.43 | -84.85 | 0.00037 |
| -45.96 | -81.32 | 0.00033 | -49.50 | -77.78 | 0.00030 |
| -51.62 | -75.66 | 0.00029 | -53.03 | -74.25 | 0.00028 |
| -54.45 | -72.83 | 0.00027 | -55.86 | -71.42 | 0.00026 |
| -57.28 | -70.00 | 0.00026 | -70.00 | -57.28 | 0.00021 |
| -71.42 | -55.86 | 0.00020 | -72.83 | -54.45 | 0.00020 |
| -74.25 | -53.03 | 0.00019 | -75.66 | -51.62 | 0.00018 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1

INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -77.78 | -49.50 | 0.00018 | -81.32 | -45.96 | 0.00017 |
| -84.85 | -42.43 | 0.00016 | -91.92 | -35.36 | 0.00015 |
| -98.99 | -28.28 | 0.00014 | -106.07 | -21.21 | 0.00014 |
| -113.14 | -14.14 | 0.00013 | -120.21 | -7.07 | 0.00013 |
| -127.28 | 0.00 | 0.00013 | -134.35 | 7.07 | 0.00013 |
| 0.00 | -141.42 | 0.00090 | -7.07 | -134.35 | 0.00092 |
| -14.14 | -127.28 | 0.00093 | -21.21 | -120.21 | 0.00092 |
| -28.28 | -113.14 | 0.00089 | -35.36 | -106.07 | 0.00081 |
| -42.43 | -98.99 | 0.00070 | -49.50 | -91.92 | 0.00056 |
| -53.03 | -88.39 | 0.00049 | -56.57 | -84.85 | 0.00043 |
| -58.69 | -82.73 | 0.00039 | -60.10 | -81.32 | 0.00038 |
| -61.52 | -79.90 | 0.00036 | -62.93 | -78.49 | 0.00035 |
| -64.35 | -77.07 | 0.00033 | -77.07 | -64.35 | 0.00026 |
| -78.49 | -62.93 | 0.00025 | -79.90 | -61.52 | 0.00024 |
| -81.32 | -60.10 | 0.00023 | -82.73 | -58.69 | 0.00022 |
| -84.85 | -56.57 | 0.00021 | -88.39 | -53.03 | 0.00020 |
| -91.92 | -49.50 | 0.00019 | -98.99 | -42.43 | 0.00019 |
| -106.07 | -35.36 | 0.00018 | -113.14 | -28.28 | 0.00018 |
| -120.21 | -21.21 | 0.00017 | -127.28 | -14.14 | 0.00017 |
| -134.35 | -7.07 | 0.00016 | -141.42 | 0.00 | 0.00016 |
| -7.07 | -148.49 | 0.00110 | -14.14 | -141.42 | 0.00116 |
| -21.21 | -134.35 | 0.00121 | -28.28 | -127.28 | 0.00125 |
| -35.36 | -120.21 | 0.00126 | -42.43 | -113.14 | 0.00122 |
| -49.50 | -106.07 | 0.00111 | -56.57 | -98.99 | 0.00092 |
| -60.10 | -95.46 | 0.00081 | -63.64 | -91.92 | 0.00068 |
| -65.76 | -89.80 | 0.00061 | -67.18 | -88.39 | 0.00057 |
| -68.59 | -86.97 | 0.00053 | -70.00 | -85.56 | 0.00049 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -71.42 | -84.15 | 0.00047 | -84.15 | -71.42 | 0.00032 |
| -85.56 | -70.00 | 0.00031 | -86.97 | -68.59 | 0.00030 |
| -88.39 | -67.18 | 0.00029 | -89.80 | -65.76 | 0.00028 |
| -91.92 | -63.64 | 0.00027 | -95.46 | -60.10 | 0.00026 |
| -98.99 | -56.57 | 0.00025 | -106.07 | -49.50 | 0.00025 |
| -113.14 | -42.43 | 0.00024 | -120.21 | -35.36 | 0.00024 |
| -127.28 | -28.28 | 0.00023 | -134.35 | -21.21 | 0.00022 |
| -141.42 | -14.14 | 0.00020 | -148.49 | -7.07 | 0.00019 |
| -14.14 | -155.56 | 0.00134 | -21.21 | -148.49 | 0.00145 |
| -28.28 | -141.42 | 0.00155 | -35.36 | -134.35 | 0.00166 |
| -42.43 | -127.28 | 0.00174 | -49.50 | -120.21 | 0.00179 |
| -56.57 | -113.14 | 0.00178 | -63.64 | -106.07 | 0.00163 |
| -67.18 | -102.53 | 0.00149 | -70.71 | -98.99 | 0.00128 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at NE/SW Bound Direction ***

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1

INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -72.83 | -96.87 | 0.00114 | -74.25 | -95.46 | 0.00104 |
| -75.66 | -94.05 | 0.00094 | -77.07 | -92.63 | 0.00084 |
| -78.49 | -91.22 | 0.00075 | -91.22 | -78.49 | 0.00042 |
| -92.63 | -77.07 | 0.00040 | -94.05 | -75.66 | 0.00039 |
| -95.46 | -74.25 | 0.00038 | -96.87 | -72.83 | 0.00037 |
| -98.99 | -70.71 | 0.00037 | -102.53 | -67.18 | 0.00036 |
| -106.07 | -63.64 | 0.00036 | -113.14 | -56.57 | 0.00036 |
| -120.21 | -49.50 | 0.00034 | -127.28 | -42.43 | 0.00032 |
| -134.35 | -35.36 | 0.00030 | -141.42 | -28.28 | 0.00028 |
| -148.49 | -21.21 | 0.00025 | -155.56 | -14.14 | 0.00023 |
| -21.21 | -162.63 | 0.00159 | -28.28 | -155.56 | 0.00176 |
| -35.36 | -148.49 | 0.00194 | -42.43 | -141.42 | 0.00213 |
| -49.50 | -134.35 | 0.00234 | -56.57 | -127.28 | 0.00254 |
| -63.64 | -120.21 | 0.00272 | -70.71 | -113.14 | 0.00280 |
| -74.25 | -109.60 | 0.00277 | -77.78 | -106.07 | 0.00265 |
| -79.90 | -103.94 | 0.00251 | -81.32 | -102.53 | 0.00239 |
| -82.73 | -101.12 | 0.00223 | -84.15 | -99.70 | 0.00203 |
| -85.56 | -98.29 | 0.00178 | -98.29 | -85.56 | 0.00061 |
| -99.70 | -84.15 | 0.00061 | -101.12 | -82.73 | 0.00061 |
| -102.53 | -81.32 | 0.00061 | -103.94 | -79.90 | 0.00061 |
| -106.07 | -77.78 | 0.00061 | -109.60 | -74.25 | 0.00060 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -113.14 | -70.71 | 0.00058 | -120.21 | -63.64 | 0.00053 |
| -127.28 | -56.57 | 0.00048 | -134.35 | -49.50 | 0.00043 |
| -141.42 | -42.43 | 0.00039 | -148.49 | -35.36 | 0.00035 |
| -155.56 | -28.28 | 0.00031 | -162.63 | -21.21 | 0.00028 |
| -28.28 | -169.71 | 0.00182 | -35.36 | -162.63 | 0.00204 |
| -42.43 | -155.56 | 0.00230 | -49.50 | -148.49 | 0.00259 |
| -56.57 | -141.42 | 0.00292 | -63.64 | -134.35 | 0.00329 |
| -70.71 | -127.28 | 0.00369 | -77.78 | -120.21 | 0.00408 |
| -81.32 | -116.67 | 0.00425 | -84.85 | -113.14 | 0.00435 |
| -86.97 | -111.02 | 0.00438 | -88.39 | -109.60 | 0.00437 |
| -89.80 | -108.19 | 0.00436 | -91.22 | -106.77 | 0.00435 |
| -92.63 | -105.36 | 0.00433 | -105.36 | -92.63 | 0.00120 |
| -106.77 | -91.22 | 0.00114 | -108.19 | -89.80 | 0.00110 |
| -109.60 | -88.39 | 0.00107 | -111.02 | -86.97 | 0.00104 |
| -113.14 | -84.85 | 0.00100 | -116.67 | -81.32 | 0.00093 |
| -120.21 | -77.78 | 0.00087 | -127.28 | -70.71 | 0.00075 |
| -134.35 | -63.64 | 0.00064 | -141.42 | -56.57 | 0.00056 |
| -148.49 | -49.50 | 0.00049 | -155.56 | -42.43 | 0.00043 |
| -162.63 | -35.36 | 0.00038 | -169.71 | -28.28 | 0.00034 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at NE/SW Bound Direction ***

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1

INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -176.78 | 0.00201 | -42.43 | -169.71 | 0.00228 |
| -49.50 | -162.63 | 0.00259 | -56.57 | -155.56 | 0.00296 |
| -63.64 | -148.49 | 0.00339 | -70.71 | -141.42 | 0.00387 |
| -77.78 | -134.35 | 0.00439 | -84.85 | -127.28 | 0.00488 |
| -88.39 | -123.74 | 0.00507 | -91.92 | -120.21 | 0.00518 |
| -94.05 | -118.09 | 0.00518 | -95.46 | -116.67 | 0.00514 |
| -96.87 | -115.26 | 0.00508 | -98.29 | -113.84 | 0.00500 |
| -99.70 | -112.43 | 0.00491 | -112.43 | -99.70 | 0.00146 |
| -113.84 | -98.29 | 0.00142 | -115.26 | -96.87 | 0.00138 |
| -116.67 | -95.46 | 0.00135 | -118.09 | -94.05 | 0.00132 |
| -120.21 | -91.92 | 0.00128 | -123.74 | -88.39 | 0.00119 |
| -127.28 | -84.85 | 0.00110 | -134.35 | -77.78 | 0.00093 |
| -141.42 | -70.71 | 0.00079 | -148.49 | -63.64 | 0.00067 |
| -155.56 | -56.57 | 0.00058 | -162.63 | -49.50 | 0.00050 |
| -169.71 | -42.43 | 0.00044 | -176.78 | -35.36 | 0.00038 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -42.43 | -183.85 | 0.00214 | -49.50 | -176.78 | 0.00244 |
| -56.57 | -169.71 | 0.00280 | -63.64 | -162.63 | 0.00322 |
| -70.71 | -155.56 | 0.00370 | -77.78 | -148.49 | 0.00424 |
| -84.85 | -141.42 | 0.00481 | -91.92 | -134.35 | 0.00531 |
| -95.46 | -130.81 | 0.00547 | -98.99 | -127.28 | 0.00552 |
| -101.12 | -125.16 | 0.00548 | -102.53 | -123.74 | 0.00542 |
| -103.94 | -122.33 | 0.00533 | -105.36 | -120.92 | 0.00521 |
| -106.77 | -119.50 | 0.00510 | -119.50 | -106.77 | 0.00159 |
| -120.92 | -105.36 | 0.00155 | -122.33 | -103.94 | 0.00152 |
| -123.74 | -102.53 | 0.00149 | -125.16 | -101.12 | 0.00147 |
| -127.28 | -98.99 | 0.00143 | -130.81 | -95.46 | 0.00135 |
| -134.35 | -91.92 | 0.00126 | -141.42 | -84.85 | 0.00108 |
| -148.49 | -77.78 | 0.00091 | -155.56 | -70.71 | 0.00077 |
| -162.63 | -63.64 | 0.00065 | -169.71 | -56.57 | 0.00056 |
| -176.78 | -49.50 | 0.00049 | -183.85 | -42.43 | 0.00042 |
| -49.50 | -190.92 | 0.00220 | -56.57 | -183.85 | 0.00253 |
| -63.64 | -176.78 | 0.00291 | -70.71 | -169.71 | 0.00336 |
| -77.78 | -162.63 | 0.00387 | -84.85 | -155.56 | 0.00445 |
| -91.92 | -148.49 | 0.00504 | -98.99 | -141.42 | 0.00552 |
| -102.53 | -137.89 | 0.00566 | -106.07 | -134.35 | 0.00568 |
| -108.19 | -132.23 | 0.00562 | -109.60 | -130.81 | 0.00555 |
| -111.02 | -129.40 | 0.00546 | -112.43 | -127.99 | 0.00533 |
| -113.84 | -126.57 | 0.00521 | -126.57 | -113.84 | 0.00166 |
| -127.99 | -112.43 | 0.00163 | -129.40 | -111.02 | 0.00160 |
| -130.81 | -109.60 | 0.00158 | -132.23 | -108.19 | 0.00156 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1
 *** INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -134.35 | -106.07 | 0.00152 | -137.89 | -102.53 | 0.00144 |
| -141.42 | -98.99 | 0.00136 | -148.49 | -91.92 | 0.00118 |
| -155.56 | -84.85 | 0.00100 | -162.63 | -77.78 | 0.00085 |
| -169.71 | -70.71 | 0.00072 | -176.78 | -63.64 | 0.00061 |
| -183.85 | -56.57 | 0.00053 | -190.92 | -49.50 | 0.00046 |
| -56.57 | -197.99 | 0.00220 | -63.64 | -190.92 | 0.00253 |
| -70.71 | -183.85 | 0.00291 | -77.78 | -176.78 | 0.00338 |
| -84.85 | -169.71 | 0.00391 | -91.92 | -162.63 | 0.00450 |
| -98.99 | -155.56 | 0.00510 | -106.07 | -148.49 | 0.00558 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -109.60 | -144.96 | 0.00572 | -113.14 | -141.42 | 0.00574 |
| -115.26 | -139.30 | 0.00568 | -116.67 | -137.89 | 0.00561 |
| -118.09 | -136.47 | 0.00551 | -119.50 | -135.06 | 0.00539 |
| -120.92 | -133.64 | 0.00526 | -133.64 | -120.92 | 0.00171 |
| -135.06 | -119.50 | 0.00167 | -136.47 | -118.09 | 0.00165 |
| -137.89 | -116.67 | 0.00163 | -139.30 | -115.26 | 0.00161 |
| -141.42 | -113.14 | 0.00157 | -144.96 | -109.60 | 0.00150 |
| -148.49 | -106.07 | 0.00142 | -155.56 | -98.99 | 0.00124 |
| -162.63 | -91.92 | 0.00106 | -169.71 | -84.85 | 0.00090 |
| -176.78 | -77.78 | 0.00076 | -183.85 | -70.71 | 0.00065 |
| -190.92 | -63.64 | 0.00055 | -197.99 | -56.57 | 0.00048 |
| -63.64 | -205.06 | 0.00214 | -70.71 | -197.99 | 0.00245 |
| -77.78 | -190.92 | 0.00283 | -84.85 | -183.85 | 0.00328 |
| -91.92 | -176.78 | 0.00380 | -98.99 | -169.71 | 0.00438 |
| -106.07 | -162.63 | 0.00499 | -113.14 | -155.56 | 0.00550 |
| -116.67 | -152.03 | 0.00567 | -120.21 | -148.49 | 0.00571 |
| -122.33 | -146.37 | 0.00567 | -123.74 | -144.96 | 0.00560 |
| -125.16 | -143.54 | 0.00551 | -126.57 | -142.13 | 0.00539 |
| -127.99 | -140.71 | 0.00525 | -140.71 | -127.99 | 0.00172 |
| -142.13 | -126.57 | 0.00169 | -143.54 | -125.16 | 0.00167 |
| -144.96 | -123.74 | 0.00165 | -146.37 | -122.33 | 0.00163 |
| -148.49 | -120.21 | 0.00160 | -152.03 | -116.67 | 0.00153 |
| -155.56 | -113.14 | 0.00145 | -162.63 | -106.07 | 0.00126 |
| -169.71 | -98.99 | 0.00108 | -176.78 | -91.92 | 0.00092 |
| -183.85 | -84.85 | 0.00078 | -190.92 | -77.78 | 0.00067 |
| -197.99 | -70.71 | 0.00057 | -205.06 | -63.64 | 0.00049 |
| -70.71 | -212.13 | 0.00202 | -77.78 | -205.06 | 0.00231 |
| -84.85 | -197.99 | 0.00265 | -91.92 | -190.92 | 0.00306 |
| -98.99 | -183.85 | 0.00353 | -106.07 | -176.78 | 0.00407 |
| -113.14 | -169.71 | 0.00466 | -120.21 | -162.63 | 0.00522 |
| -123.74 | -159.10 | 0.00542 | -127.28 | -155.56 | 0.00553 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** *** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1
 INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40 | -153.44 | 0.00552 | -130.81 | -152.03 | 0.00548 |
| -132.23 | -150.61 | 0.00541 | -133.64 | -149.20 | 0.00530 |
| -135.06 | -147.79 | 0.00518 | -147.79 | -135.06 | 0.00171 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -149.20 | -133.64 | 0.00167 | -150.61 | -132.23 | 0.00165 |
| -152.03 | -130.81 | 0.00164 | -153.44 | -129.40 | 0.00162 |
| -155.56 | -127.28 | 0.00159 | -159.10 | -123.74 | 0.00152 |
| -162.63 | -120.21 | 0.00144 | -169.71 | -113.14 | 0.00125 |
| -176.78 | -106.07 | 0.00106 | -183.85 | -98.99 | 0.00090 |
| -190.92 | -91.92 | 0.00077 | -197.99 | -84.85 | 0.00066 |
| -205.06 | -77.78 | 0.00057 | -212.13 | -70.71 | 0.00049 |
| -77.78 | -219.20 | 0.00184 | -84.85 | -212.13 | 0.00208 |
| -91.92 | -205.06 | 0.00237 | -98.99 | -197.99 | 0.00271 |
| -106.07 | -190.92 | 0.00311 | -113.14 | -183.85 | 0.00356 |
| -120.21 | -176.78 | 0.00405 | -127.28 | -169.71 | 0.00456 |
| -130.81 | -166.17 | 0.00480 | -134.35 | -162.63 | 0.00498 |
| -136.47 | -160.51 | 0.00505 | -137.89 | -159.10 | 0.00506 |
| -139.30 | -157.68 | 0.00505 | -140.71 | -156.27 | 0.00500 |
| -142.13 | -154.86 | 0.00494 | -154.86 | -142.13 | 0.00165 |
| -156.27 | -140.71 | 0.00162 | -157.68 | -139.30 | 0.00160 |
| -159.10 | -137.89 | 0.00158 | -160.51 | -136.47 | 0.00156 |
| -162.63 | -134.35 | 0.00153 | -166.17 | -130.81 | 0.00145 |
| -169.71 | -127.28 | 0.00136 | -176.78 | -120.21 | 0.00118 |
| -183.85 | -113.14 | 0.00100 | -190.92 | -106.07 | 0.00085 |
| -197.99 | -98.99 | 0.00073 | -205.06 | -91.92 | 0.00063 |
| -212.13 | -84.85 | 0.00055 | -219.20 | -77.78 | 0.00047 |
| -84.85 | -226.27 | 0.00162 | -91.92 | -219.20 | 0.00181 |
| -98.99 | -212.13 | 0.00203 | -106.07 | -205.06 | 0.00227 |
| -113.14 | -197.99 | 0.00255 | -120.21 | -190.92 | 0.00284 |
| -127.28 | -183.85 | 0.00315 | -134.35 | -176.78 | 0.00343 |
| -137.89 | -173.24 | 0.00355 | -141.42 | -169.71 | 0.00366 |
| -143.54 | -167.58 | 0.00371 | -144.96 | -166.17 | 0.00375 |
| -146.37 | -164.76 | 0.00379 | -147.79 | -163.34 | 0.00385 |
| -149.20 | -161.93 | 0.00393 | -161.93 | -149.20 | 0.00148 |
| -163.34 | -147.79 | 0.00144 | -164.76 | -146.37 | 0.00140 |
| -166.17 | -144.96 | 0.00138 | -167.58 | -143.54 | 0.00135 |
| -169.71 | -141.42 | 0.00131 | -173.24 | -137.89 | 0.00125 |
| -176.78 | -134.35 | 0.00118 | -183.85 | -127.28 | 0.00103 |
| -190.92 | -120.21 | 0.00089 | -197.99 | -113.14 | 0.00077 |
| -205.06 | -106.07 | 0.00067 | -212.13 | -98.99 | 0.00058 |
| -219.20 | -91.92 | 0.00051 | -226.27 | -84.85 | 0.00045 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1
 INCLUDING SOURCE(S): NCRA_S1 ,

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW_Bound
 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

| | | ** CONC OF OTHER IN MICROGRAMS/M**3 | | | |
|-------------|-------------|-------------------------------------|-------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| -91.92 | -233.35 | 0.00139 | -98.99 | -226.27 | 0.00152 |
| -106.07 | -219.20 | 0.00167 | -113.14 | -212.13 | 0.00182 |
| -120.21 | -205.06 | 0.00197 | -127.28 | -197.99 | 0.00211 |
| -134.35 | -190.92 | 0.00219 | -141.42 | -183.85 | 0.00217 |
| -144.96 | -180.31 | 0.00210 | -148.49 | -176.78 | 0.00197 |
| -150.61 | -174.66 | 0.00186 | -152.03 | -173.24 | 0.00177 |
| -153.44 | -171.83 | 0.00167 | -154.86 | -170.41 | 0.00156 |
| -156.27 | -169.00 | 0.00143 | -169.00 | -156.27 | 0.00091 |
| -170.41 | -154.86 | 0.00092 | -171.83 | -153.44 | 0.00093 |
| -173.24 | -152.03 | 0.00093 | -174.66 | -150.61 | 0.00094 |
| -176.78 | -148.49 | 0.00094 | -180.31 | -144.96 | 0.00093 |
| -183.85 | -141.42 | 0.00091 | -190.92 | -134.35 | 0.00083 |
| -197.99 | -127.28 | 0.00075 | -205.06 | -120.21 | 0.00066 |
| -212.13 | -113.14 | 0.00058 | -219.20 | -106.07 | 0.00052 |
| -226.27 | -98.99 | 0.00046 | -233.35 | -91.92 | 0.00041 |
| -98.99 | -240.42 | 0.00117 | -106.07 | -233.35 | 0.00126 |
| -113.14 | -226.27 | 0.00134 | -120.21 | -219.20 | 0.00142 |
| -127.28 | -212.13 | 0.00149 | -134.35 | -205.06 | 0.00152 |
| -141.42 | -197.99 | 0.00149 | -148.49 | -190.92 | 0.00138 |
| -152.03 | -187.38 | 0.00128 | -155.56 | -183.85 | 0.00115 |
| -157.68 | -181.73 | 0.00107 | -159.10 | -180.31 | 0.00101 |
| -160.51 | -178.90 | 0.00096 | -161.93 | -177.48 | 0.00090 |
| -163.34 | -176.07 | 0.00085 | -176.07 | -163.34 | 0.00065 |
| -177.48 | -161.93 | 0.00065 | -178.90 | -160.51 | 0.00065 |
| -180.31 | -159.10 | 0.00066 | -181.73 | -157.68 | 0.00066 |
| -183.85 | -155.56 | 0.00067 | -187.38 | -152.03 | 0.00068 |
| -190.92 | -148.49 | 0.00069 | -197.99 | -141.42 | 0.00067 |
| -205.06 | -134.35 | 0.00062 | -212.13 | -127.28 | 0.00056 |
| -219.20 | -120.21 | 0.00050 | -226.27 | -113.14 | 0.00045 |
| -233.35 | -106.07 | 0.00041 | -240.42 | -98.99 | 0.00037 |
| -106.07 | -247.49 | 0.00097 | -113.14 | -240.42 | 0.00103 |
| -120.21 | -233.35 | 0.00107 | -127.28 | -226.27 | 0.00111 |
| -134.35 | -219.20 | 0.00112 | -141.42 | -212.13 | 0.00111 |
| -148.49 | -205.06 | 0.00105 | -155.56 | -197.99 | 0.00093 |
| -159.10 | -194.45 | 0.00086 | -162.63 | -190.92 | 0.00080 |
| -164.76 | -188.80 | 0.00076 | -166.17 | -187.38 | 0.00073 |
| -167.58 | -185.97 | 0.00070 | -169.00 | -184.55 | 0.00067 |
| -170.41 | -183.14 | 0.00064 | -183.14 | -170.41 | 0.00052 |
| -184.55 | -169.00 | 0.00052 | -185.97 | -167.58 | 0.00052 |
| -187.38 | -166.17 | 0.00052 | -188.80 | -164.76 | 0.00052 |

04/20/08

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

*** Maximum train overlap at NE/SW Bound Direction

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S1

INCLUDING SOURCE(S): NCRA_S1 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -190.92 | -162.63 | 0.00052 | -194.45 | -159.10 | 0.00052 |
| -197.99 | -155.56 | 0.00052 | -205.06 | -148.49 | 0.00052 |
| -212.13 | -141.42 | 0.00050 | -219.20 | -134.35 | 0.00047 |
| -226.27 | -127.28 | 0.00043 | -233.35 | -120.21 | 0.00040 |
| -240.42 | -113.14 | 0.00036 | -247.49 | -106.07 | 0.00033 |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2

INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 247.49 | 106.07 | 0.00002 | 240.42 | 113.14 | 0.00002 |
| 233.35 | 120.21 | 0.00002 | 226.27 | 127.28 | 0.00002 |
| 219.20 | 134.35 | 0.00002 | 212.13 | 141.42 | 0.00002 |
| 205.06 | 148.49 | 0.00002 | 197.99 | 155.56 | 0.00002 |
| 194.45 | 159.10 | 0.00002 | 190.92 | 162.63 | 0.00002 |
| 188.80 | 164.76 | 0.00002 | 187.38 | 166.17 | 0.00002 |
| 185.97 | 167.58 | 0.00002 | 184.55 | 169.00 | 0.00002 |
| 183.14 | 170.41 | 0.00002 | 170.41 | 183.14 | 0.00002 |
| 169.00 | 184.55 | 0.00002 | 167.58 | 185.97 | 0.00002 |
| 166.17 | 187.38 | 0.00002 | 164.76 | 188.80 | 0.00002 |
| 162.63 | 190.92 | 0.00002 | 159.10 | 194.45 | 0.00002 |
| 155.56 | 197.99 | 0.00002 | 148.49 | 205.06 | 0.00002 |
| 141.42 | 212.13 | 0.00002 | 134.35 | 219.20 | 0.00001 |
| 127.28 | 226.27 | 0.00001 | 120.21 | 233.35 | 0.00001 |
| 113.14 | 240.42 | 0.00001 | 106.07 | 247.49 | 0.00001 |
| 240.42 | 98.99 | 0.00002 | 233.35 | 106.07 | 0.00002 |
| 226.27 | 113.14 | 0.00002 | 219.20 | 120.21 | 0.00002 |
| 212.13 | 127.28 | 0.00002 | 205.06 | 134.35 | 0.00002 |
| 197.99 | 141.42 | 0.00002 | 190.92 | 148.49 | 0.00002 |
| 187.38 | 152.03 | 0.00002 | 183.85 | 155.56 | 0.00002 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 181.73 | 157.68 | 0.00002 | 180.31 | 159.10 | 0.00002 |
| 178.90 | 160.51 | 0.00002 | 177.48 | 161.93 | 0.00002 |
| 176.07 | 163.34 | 0.00002 | 163.34 | 176.07 | 0.00002 |
| 161.93 | 177.48 | 0.00002 | 160.51 | 178.90 | 0.00002 |
| 159.10 | 180.31 | 0.00002 | 157.68 | 181.73 | 0.00002 |
| 155.56 | 183.85 | 0.00002 | 152.03 | 187.38 | 0.00002 |
| 148.49 | 190.92 | 0.00002 | 141.42 | 197.99 | 0.00002 |
| 134.35 | 205.06 | 0.00002 | 127.28 | 212.13 | 0.00002 |
| 120.21 | 219.20 | 0.00001 | 113.14 | 226.27 | 0.00001 |
| 106.07 | 233.35 | 0.00001 | 98.99 | 240.42 | 0.00001 |
| 233.35 | 91.92 | 0.00002 | 226.27 | 98.99 | 0.00002 |
| 219.20 | 106.07 | 0.00002 | 212.13 | 113.14 | 0.00002 |
| 205.06 | 120.21 | 0.00002 | 197.99 | 127.28 | 0.00002 |
| 190.92 | 134.35 | 0.00002 | 183.85 | 141.42 | 0.00002 |
| 180.31 | 144.96 | 0.00002 | 176.78 | 148.49 | 0.00002 |
| 174.66 | 150.61 | 0.00002 | 173.24 | 152.03 | 0.00002 |
| 171.83 | 153.44 | 0.00002 | 170.41 | 154.86 | 0.00002 |
| 169.00 | 156.27 | 0.00002 | 156.27 | 169.00 | 0.00002 |
| 154.86 | 170.41 | 0.00002 | 153.44 | 171.83 | 0.00002 |
| 152.03 | 173.24 | 0.00002 | 150.61 | 174.66 | 0.00002 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2
 *** INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 148.49 | 176.78 | 0.00002 | 144.96 | 180.31 | 0.00002 |
| 141.42 | 183.85 | 0.00002 | 134.35 | 190.92 | 0.00002 |
| 127.28 | 197.99 | 0.00002 | 120.21 | 205.06 | 0.00002 |
| 113.14 | 212.13 | 0.00002 | 106.07 | 219.20 | 0.00001 |
| 99.00 | 226.27 | 0.00001 | 91.92 | 233.35 | 0.00001 |
| 226.27 | 84.85 | 0.00003 | 219.20 | 91.92 | 0.00002 |
| 212.13 | 98.99 | 0.00002 | 205.06 | 106.07 | 0.00002 |
| 197.99 | 113.14 | 0.00002 | 190.92 | 120.21 | 0.00002 |
| 183.85 | 127.28 | 0.00002 | 176.78 | 134.35 | 0.00002 |
| 173.24 | 137.89 | 0.00002 | 169.71 | 141.42 | 0.00002 |
| 167.58 | 143.54 | 0.00002 | 166.17 | 144.96 | 0.00002 |
| 164.76 | 146.37 | 0.00002 | 163.34 | 147.79 | 0.00002 |
| 161.93 | 149.20 | 0.00002 | 149.20 | 161.93 | 0.00002 |
| 147.79 | 163.34 | 0.00002 | 146.37 | 164.76 | 0.00002 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 144.96 | 166.17 | 0.00002 | 143.54 | 167.58 | 0.00002 |
| 141.42 | 169.71 | 0.00002 | 137.89 | 173.24 | 0.00002 |
| 134.35 | 176.78 | 0.00002 | 127.28 | 183.85 | 0.00002 |
| 120.21 | 190.92 | 0.00002 | 113.14 | 197.99 | 0.00002 |
| 106.07 | 205.06 | 0.00002 | 99.00 | 212.13 | 0.00002 |
| 91.92 | 219.20 | 0.00001 | 84.85 | 226.27 | 0.00001 |
| 219.20 | 77.78 | 0.00003 | 212.13 | 84.85 | 0.00003 |
| 205.06 | 91.92 | 0.00003 | 197.99 | 98.99 | 0.00003 |
| 190.92 | 106.07 | 0.00002 | 183.85 | 113.14 | 0.00002 |
| 176.78 | 120.21 | 0.00002 | 169.71 | 127.28 | 0.00002 |
| 166.17 | 130.81 | 0.00002 | 162.63 | 134.35 | 0.00002 |
| 160.51 | 136.47 | 0.00002 | 159.10 | 137.89 | 0.00002 |
| 157.68 | 139.30 | 0.00002 | 156.27 | 140.71 | 0.00002 |
| 154.86 | 142.13 | 0.00002 | 142.13 | 154.86 | 0.00002 |
| 140.71 | 156.27 | 0.00002 | 139.30 | 157.68 | 0.00002 |
| 137.89 | 159.10 | 0.00002 | 136.47 | 160.51 | 0.00002 |
| 134.35 | 162.63 | 0.00002 | 130.81 | 166.17 | 0.00002 |
| 127.28 | 169.71 | 0.00002 | 120.21 | 176.78 | 0.00002 |
| 113.14 | 183.85 | 0.00002 | 106.07 | 190.92 | 0.00002 |
| 99.00 | 197.99 | 0.00002 | 91.92 | 205.06 | 0.00002 |
| 84.85 | 212.13 | 0.00002 | 77.78 | 219.20 | 0.00002 |
| 212.13 | 70.71 | 0.00003 | 205.06 | 77.78 | 0.00003 |
| 197.99 | 84.85 | 0.00003 | 190.92 | 91.92 | 0.00003 |
| 183.85 | 98.99 | 0.00003 | 176.78 | 106.07 | 0.00003 |
| 169.71 | 113.14 | 0.00003 | 162.63 | 120.21 | 0.00002 |
| 159.10 | 123.74 | 0.00002 | 155.56 | 127.28 | 0.00002 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2
 *** INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44 | 129.40 | 0.00002 | 152.03 | 130.81 | 0.00002 |
| 150.61 | 132.23 | 0.00002 | 149.20 | 133.64 | 0.00002 |
| 147.79 | 135.06 | 0.00002 | 135.06 | 147.79 | 0.00002 |
| 133.64 | 149.20 | 0.00002 | 132.23 | 150.61 | 0.00002 |
| 130.81 | 152.03 | 0.00002 | 129.40 | 153.44 | 0.00002 |
| 127.28 | 155.56 | 0.00002 | 123.74 | 159.10 | 0.00002 |
| 120.21 | 162.63 | 0.00002 | 113.14 | 169.71 | 0.00002 |
| 106.07 | 176.78 | 0.00002 | 98.99 | 183.85 | 0.00002 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 91.92 | 190.92 | 0.00002 | 84.85 | 197.99 | 0.00002 |
| 77.78 | 205.06 | 0.00002 | 70.71 | 212.13 | 0.00002 |
| 205.06 | 63.64 | 0.00003 | 197.99 | 70.71 | 0.00003 |
| 190.92 | 77.78 | 0.00003 | 183.85 | 84.85 | 0.00003 |
| 176.78 | 91.92 | 0.00003 | 169.71 | 98.99 | 0.00003 |
| 162.63 | 106.07 | 0.00003 | 155.56 | 113.14 | 0.00003 |
| 152.03 | 116.67 | 0.00003 | 148.49 | 120.21 | 0.00003 |
| 146.37 | 122.33 | 0.00002 | 144.96 | 123.74 | 0.00002 |
| 143.54 | 125.16 | 0.00002 | 142.13 | 126.57 | 0.00002 |
| 140.71 | 127.99 | 0.00002 | 127.99 | 140.71 | 0.00002 |
| 126.57 | 142.13 | 0.00002 | 125.16 | 143.54 | 0.00002 |
| 123.74 | 144.96 | 0.00002 | 122.33 | 146.37 | 0.00002 |
| 120.21 | 148.49 | 0.00002 | 116.67 | 152.03 | 0.00002 |
| 113.14 | 155.56 | 0.00002 | 106.07 | 162.63 | 0.00002 |
| 98.99 | 169.71 | 0.00002 | 91.92 | 176.78 | 0.00002 |
| 84.85 | 183.85 | 0.00002 | 77.78 | 190.92 | 0.00002 |
| 70.71 | 197.99 | 0.00002 | 63.64 | 205.06 | 0.00002 |
| 197.99 | 56.57 | 0.00003 | 190.92 | 63.64 | 0.00003 |
| 183.85 | 70.71 | 0.00003 | 176.78 | 77.78 | 0.00003 |
| 169.71 | 84.85 | 0.00003 | 162.63 | 91.92 | 0.00003 |
| 155.56 | 98.99 | 0.00003 | 148.49 | 106.07 | 0.00003 |
| 144.96 | 109.60 | 0.00003 | 141.42 | 113.14 | 0.00003 |
| 139.30 | 115.26 | 0.00003 | 137.89 | 116.67 | 0.00003 |
| 136.47 | 118.09 | 0.00003 | 135.06 | 119.50 | 0.00003 |
| 133.64 | 120.92 | 0.00003 | 120.92 | 133.64 | 0.00003 |
| 119.50 | 135.06 | 0.00003 | 118.09 | 136.47 | 0.00003 |
| 116.67 | 137.89 | 0.00003 | 115.26 | 139.30 | 0.00003 |
| 113.14 | 141.42 | 0.00003 | 109.60 | 144.96 | 0.00002 |
| 106.07 | 148.49 | 0.00002 | 98.99 | 155.56 | 0.00002 |
| 91.92 | 162.63 | 0.00002 | 84.85 | 169.71 | 0.00002 |
| 77.78 | 176.78 | 0.00002 | 70.71 | 183.85 | 0.00002 |
| 63.64 | 190.92 | 0.00002 | 56.57 | 197.99 | 0.00002 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
 PAGE 46
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2
 *** INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 190.92 | 49.50 | 0.00004 | 183.85 | 56.57 | 0.00004 |
| 176.78 | 63.64 | 0.00004 | 169.71 | 70.71 | 0.00003 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 162.63 | 77.78 | 0.00003 | 155.56 | 84.85 | 0.00003 |
| 148.49 | 91.92 | 0.00003 | 141.42 | 98.99 | 0.00003 |
| 137.89 | 102.53 | 0.00003 | 134.35 | 106.07 | 0.00003 |
| 132.23 | 108.19 | 0.00003 | 130.81 | 109.60 | 0.00003 |
| 129.40 | 111.02 | 0.00003 | 127.99 | 112.43 | 0.00003 |
| 126.57 | 113.84 | 0.00003 | 113.84 | 126.57 | 0.00003 |
| 112.43 | 127.99 | 0.00003 | 111.02 | 129.40 | 0.00003 |
| 109.60 | 130.81 | 0.00003 | 108.19 | 132.23 | 0.00003 |
| 106.07 | 134.35 | 0.00003 | 102.53 | 137.89 | 0.00003 |
| 98.99 | 141.42 | 0.00003 | 91.92 | 148.49 | 0.00002 |
| 84.85 | 155.56 | 0.00002 | 77.78 | 162.63 | 0.00002 |
| 70.71 | 169.71 | 0.00002 | 63.64 | 176.78 | 0.00002 |
| 56.57 | 183.85 | 0.00002 | 49.50 | 190.92 | 0.00002 |
| 183.85 | 42.43 | 0.00004 | 176.78 | 49.50 | 0.00004 |
| 169.71 | 56.57 | 0.00004 | 162.63 | 63.64 | 0.00004 |
| 155.56 | 70.71 | 0.00004 | 148.49 | 77.78 | 0.00004 |
| 141.42 | 84.85 | 0.00003 | 134.35 | 91.92 | 0.00003 |
| 130.81 | 95.46 | 0.00003 | 127.28 | 98.99 | 0.00003 |
| 125.16 | 101.12 | 0.00003 | 123.74 | 102.53 | 0.00003 |
| 122.33 | 103.94 | 0.00003 | 120.92 | 105.36 | 0.00003 |
| 119.50 | 106.77 | 0.00003 | 106.77 | 119.50 | 0.00003 |
| 105.36 | 120.92 | 0.00003 | 103.94 | 122.33 | 0.00003 |
| 102.53 | 123.74 | 0.00003 | 101.12 | 125.16 | 0.00003 |
| 98.99 | 127.28 | 0.00003 | 95.46 | 130.81 | 0.00003 |
| 91.92 | 134.35 | 0.00003 | 84.85 | 141.42 | 0.00003 |
| 77.78 | 148.49 | 0.00002 | 70.71 | 155.56 | 0.00002 |
| 63.64 | 162.63 | 0.00002 | 56.57 | 169.71 | 0.00002 |
| 49.50 | 176.78 | 0.00002 | 42.43 | 183.85 | 0.00002 |
| 176.78 | 35.36 | 0.00005 | 169.71 | 42.43 | 0.00004 |
| 162.63 | 49.50 | 0.00004 | 155.56 | 56.57 | 0.00004 |
| 148.49 | 63.64 | 0.00004 | 141.42 | 70.71 | 0.00004 |
| 134.35 | 77.78 | 0.00004 | 127.28 | 84.85 | 0.00004 |
| 123.74 | 88.39 | 0.00004 | 120.21 | 91.92 | 0.00003 |
| 118.09 | 94.05 | 0.00003 | 116.67 | 95.46 | 0.00003 |
| 115.26 | 96.87 | 0.00003 | 113.84 | 98.29 | 0.00003 |
| 112.43 | 99.70 | 0.00003 | 99.70 | 112.43 | 0.00003 |
| 98.29 | 113.84 | 0.00003 | 96.87 | 115.26 | 0.00003 |
| 95.46 | 116.67 | 0.00003 | 94.05 | 118.09 | 0.00003 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2

15NCRA PL97-300 DPM_TRAV_ANN_NE-SW Bound
 INCLUDING SOURCE(S) : NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER | | | IN MICROGRAMS/M**3 | | | ** |
|------------------|-------------|---------|--------------------|-------------|---------|----|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC | |
| 91.92 | 120.21 | 0.00003 | 88.39 | 123.74 | 0.00003 | |
| 84.85 | 127.28 | 0.00003 | 77.78 | 134.35 | 0.00003 | |
| 70.71 | 141.42 | 0.00003 | 63.64 | 148.49 | 0.00003 | |
| 56.57 | 155.56 | 0.00002 | 49.50 | 162.63 | 0.00002 | |
| 42.43 | 169.71 | 0.00002 | 35.36 | 176.78 | 0.00002 | |
| 169.71 | 28.28 | 0.00005 | 162.63 | 35.36 | 0.00005 | |
| 155.56 | 42.43 | 0.00005 | 148.49 | 49.50 | 0.00004 | |
| 141.42 | 56.57 | 0.00004 | 134.35 | 63.64 | 0.00004 | |
| 127.28 | 70.71 | 0.00004 | 120.21 | 77.78 | 0.00004 | |
| 116.67 | 81.32 | 0.00004 | 113.14 | 84.85 | 0.00004 | |
| 111.02 | 86.97 | 0.00004 | 109.60 | 88.39 | 0.00004 | |
| 108.19 | 89.80 | 0.00004 | 106.77 | 91.22 | 0.00004 | |
| 105.36 | 92.63 | 0.00004 | 92.63 | 105.36 | 0.00003 | |
| 91.22 | 106.77 | 0.00003 | 89.80 | 108.19 | 0.00003 | |
| 88.39 | 109.60 | 0.00003 | 86.97 | 111.02 | 0.00003 | |
| 84.85 | 113.14 | 0.00003 | 81.32 | 116.67 | 0.00003 | |
| 77.78 | 120.21 | 0.00003 | 70.71 | 127.28 | 0.00003 | |
| 63.64 | 134.35 | 0.00003 | 56.57 | 141.42 | 0.00003 | |
| 49.50 | 148.49 | 0.00003 | 42.43 | 155.56 | 0.00003 | |
| 35.36 | 162.63 | 0.00002 | 28.28 | 169.71 | 0.00002 | |
| 162.63 | 21.21 | 0.00006 | 155.56 | 28.28 | 0.00006 | |
| 148.49 | 35.36 | 0.00005 | 141.42 | 42.43 | 0.00005 | |
| 134.35 | 49.50 | 0.00005 | 127.28 | 56.57 | 0.00005 | |
| 120.21 | 63.64 | 0.00005 | 113.14 | 70.71 | 0.00004 | |
| 109.60 | 74.25 | 0.00004 | 106.07 | 77.78 | 0.00004 | |
| 103.94 | 79.90 | 0.00004 | 102.53 | 81.32 | 0.00004 | |
| 101.12 | 82.73 | 0.00004 | 99.70 | 84.15 | 0.00004 | |
| 98.29 | 85.56 | 0.00004 | 85.56 | 98.29 | 0.00004 | |
| 84.15 | 99.70 | 0.00004 | 82.73 | 101.12 | 0.00004 | |
| 81.32 | 102.53 | 0.00004 | 79.90 | 103.94 | 0.00004 | |
| 77.78 | 106.07 | 0.00004 | 74.25 | 109.60 | 0.00004 | |
| 70.71 | 113.14 | 0.00004 | 63.64 | 120.21 | 0.00003 | |
| 56.57 | 127.28 | 0.00003 | 49.50 | 134.35 | 0.00003 | |
| 42.43 | 141.42 | 0.00003 | 35.36 | 148.49 | 0.00003 | |
| 28.28 | 155.56 | 0.00003 | 21.21 | 162.63 | 0.00003 | |
| 155.56 | 14.14 | 0.00007 | 148.49 | 21.21 | 0.00006 | |
| 141.42 | 28.28 | 0.00006 | 134.35 | 35.36 | 0.00006 | |
| 127.28 | 42.43 | 0.00005 | 120.21 | 49.50 | 0.00005 | |
| 113.14 | 56.57 | 0.00005 | 106.07 | 63.64 | 0.00005 | |
| 102.53 | 67.18 | 0.00005 | 98.99 | 70.71 | 0.00005 | |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

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**MODELOPTS:

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*** Maximum train overlap at NE/SW Bound Direction

CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2

INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 96.87 | 72.83 | 0.00004 | 95.46 | 74.25 | 0.00004 |
| 94.05 | 75.66 | 0.00004 | 92.63 | 77.07 | 0.00004 |
| 91.22 | 78.49 | 0.00004 | 78.49 | 91.22 | 0.00004 |
| 77.07 | 92.63 | 0.00004 | 75.66 | 94.05 | 0.00004 |
| 74.25 | 95.46 | 0.00004 | 72.83 | 96.87 | 0.00004 |
| 70.71 | 98.99 | 0.00004 | 67.18 | 102.53 | 0.00004 |
| 63.64 | 106.07 | 0.00004 | 56.57 | 113.14 | 0.00004 |
| 49.50 | 120.21 | 0.00003 | 42.43 | 127.28 | 0.00003 |
| 35.36 | 134.35 | 0.00003 | 28.28 | 141.42 | 0.00003 |
| 21.21 | 148.49 | 0.00003 | 14.14 | 155.56 | 0.00003 |
| 148.49 | 7.07 | 0.00008 | 141.42 | 14.14 | 0.00007 |
| 134.35 | 21.21 | 0.00007 | 127.28 | 28.28 | 0.00006 |
| 120.21 | 35.36 | 0.00006 | 113.14 | 42.43 | 0.00006 |
| 106.07 | 49.50 | 0.00006 | 98.99 | 56.57 | 0.00005 |
| 95.46 | 60.10 | 0.00005 | 91.92 | 63.64 | 0.00005 |
| 89.80 | 65.76 | 0.00005 | 88.39 | 67.18 | 0.00005 |
| 86.97 | 68.59 | 0.00005 | 85.56 | 70.00 | 0.00005 |
| 84.15 | 71.42 | 0.00005 | 71.42 | 84.15 | 0.00005 |
| 70.00 | 85.56 | 0.00005 | 68.59 | 86.97 | 0.00005 |
| 67.18 | 88.39 | 0.00004 | 65.76 | 89.80 | 0.00004 |
| 63.64 | 91.92 | 0.00004 | 60.10 | 95.46 | 0.00004 |
| 56.57 | 98.99 | 0.00004 | 49.50 | 106.07 | 0.00004 |
| 42.43 | 113.14 | 0.00004 | 35.36 | 120.21 | 0.00003 |
| 28.28 | 127.28 | 0.00003 | 21.21 | 134.35 | 0.00003 |
| 14.14 | 141.42 | 0.00003 | 7.07 | 148.49 | 0.00003 |
| 141.42 | 0.00 | 0.00009 | 134.35 | 7.07 | 0.00009 |
| 127.28 | 14.14 | 0.00008 | 120.21 | 21.21 | 0.00007 |
| 113.14 | 28.28 | 0.00007 | 106.07 | 35.36 | 0.00006 |
| 98.99 | 42.43 | 0.00006 | 91.92 | 49.50 | 0.00006 |
| 88.39 | 53.03 | 0.00006 | 84.85 | 56.57 | 0.00006 |
| 82.73 | 58.69 | 0.00006 | 81.32 | 60.10 | 0.00005 |
| 79.90 | 61.52 | 0.00005 | 78.49 | 62.93 | 0.00005 |
| 77.07 | 64.35 | 0.00005 | 64.35 | 77.07 | 0.00005 |
| 62.93 | 78.49 | 0.00005 | 61.52 | 79.90 | 0.00005 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|-------|--------|---------|-------|--------|---------|
| 60.10 | 81.32 | 0.00005 | 58.69 | 82.73 | 0.00005 |
| 56.57 | 84.85 | 0.00005 | 53.03 | 88.39 | 0.00005 |
| 49.50 | 91.92 | 0.00005 | 42.43 | 98.99 | 0.00004 |
| 35.36 | 106.07 | 0.00004 | 28.28 | 113.14 | 0.00004 |
| 21.21 | 120.21 | 0.00004 | 14.14 | 127.28 | 0.00004 |
| 7.07 | 134.35 | 0.00003 | 0.00 | 141.42 | 0.00003 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 49
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2
 *** INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 134.35 | -7.07 | 0.00011 | 127.28 | 0.00 | 0.00010 |
| 120.21 | 7.07 | 0.00009 | 113.14 | 14.14 | 0.00008 |
| 106.07 | 21.21 | 0.00008 | 98.99 | 28.28 | 0.00007 |
| 91.92 | 35.36 | 0.00007 | 84.85 | 42.43 | 0.00007 |
| 81.32 | 45.96 | 0.00006 | 77.78 | 49.50 | 0.00006 |
| 75.66 | 51.62 | 0.00006 | 74.25 | 53.03 | 0.00006 |
| 72.83 | 54.45 | 0.00006 | 71.42 | 55.86 | 0.00006 |
| 70.00 | 57.28 | 0.00006 | 57.28 | 70.00 | 0.00006 |
| 55.86 | 71.42 | 0.00006 | 54.45 | 72.83 | 0.00006 |
| 53.03 | 74.25 | 0.00005 | 51.62 | 75.66 | 0.00005 |
| 49.50 | 77.78 | 0.00005 | 45.96 | 81.32 | 0.00005 |
| 42.43 | 84.85 | 0.00005 | 35.36 | 91.92 | 0.00005 |
| 28.28 | 98.99 | 0.00004 | 21.21 | 106.07 | 0.00004 |
| 14.14 | 113.14 | 0.00004 | 7.07 | 120.21 | 0.00004 |
| 0.00 | 127.28 | 0.00004 | -7.07 | 134.35 | 0.00004 |
| 127.28 | -14.14 | 0.00013 | 120.21 | -7.07 | 0.00012 |
| 113.14 | 0.00 | 0.00011 | 106.07 | 7.07 | 0.00010 |
| 98.99 | 14.14 | 0.00009 | 91.92 | 21.21 | 0.00008 |
| 84.85 | 28.28 | 0.00008 | 77.78 | 35.36 | 0.00007 |
| 74.25 | 38.89 | 0.00007 | 70.71 | 42.43 | 0.00007 |
| 68.59 | 44.55 | 0.00007 | 67.18 | 45.96 | 0.00007 |
| 65.76 | 47.38 | 0.00007 | 64.35 | 48.79 | 0.00007 |
| 62.93 | 50.20 | 0.00007 | 50.20 | 62.93 | 0.00006 |
| 48.79 | 64.35 | 0.00006 | 47.38 | 65.76 | 0.00006 |
| 45.96 | 67.18 | 0.00006 | 44.55 | 68.59 | 0.00006 |
| 42.43 | 70.71 | 0.00006 | 38.89 | 74.25 | 0.00006 |
| 35.36 | 77.78 | 0.00005 | 28.28 | 84.85 | 0.00005 |
| 21.21 | 91.92 | 0.00005 | 14.14 | 98.99 | 0.00005 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 7.07 | 106.07 | 0.00004 | 0.00 | 113.14 | 0.00004 |
| -7.07 | 120.21 | 0.00004 | -14.14 | 127.28 | 0.00004 |
| 120.21 | -21.21 | 0.00016 | 113.14 | -14.14 | 0.00014 |
| 106.07 | -7.07 | 0.00013 | 98.99 | 0.00 | 0.00012 |
| 91.92 | 7.07 | 0.00010 | 84.85 | 14.14 | 0.00010 |
| 77.78 | 21.21 | 0.00009 | 70.71 | 28.28 | 0.00009 |
| 67.18 | 31.82 | 0.00008 | 63.64 | 35.36 | 0.00008 |
| 61.52 | 37.48 | 0.00008 | 60.10 | 38.89 | 0.00008 |
| 58.69 | 40.31 | 0.00008 | 57.28 | 41.72 | 0.00008 |
| 55.86 | 43.13 | 0.00008 | 43.13 | 55.86 | 0.00007 |
| 41.72 | 57.28 | 0.00007 | 40.31 | 58.69 | 0.00007 |
| 38.89 | 60.10 | 0.00007 | 37.48 | 61.52 | 0.00007 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2
 *** INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 63.64 | 0.00007 | 31.82 | 67.18 | 0.00006 |
| 28.28 | 70.71 | 0.00006 | 21.21 | 77.78 | 0.00006 |
| 14.14 | 84.85 | 0.00005 | 7.07 | 91.92 | 0.00005 |
| 0.00 | 98.99 | 0.00005 | -7.07 | 106.07 | 0.00005 |
| -14.14 | 113.14 | 0.00004 | -21.21 | 120.21 | 0.00004 |
| 113.14 | -28.28 | 0.00019 | 106.07 | -21.21 | 0.00018 |
| 98.99 | -14.14 | 0.00016 | 91.92 | -7.07 | 0.00014 |
| 84.85 | 0.00 | 0.00013 | 77.78 | 7.07 | 0.00011 |
| 70.71 | 14.14 | 0.00010 | 63.64 | 21.21 | 0.00010 |
| 60.10 | 24.75 | 0.00010 | 56.57 | 28.28 | 0.00009 |
| 54.45 | 30.41 | 0.00009 | 53.03 | 31.82 | 0.00009 |
| 51.62 | 33.23 | 0.00009 | 50.20 | 34.65 | 0.00009 |
| 48.79 | 36.06 | 0.00009 | 36.06 | 48.79 | 0.00008 |
| 34.65 | 50.20 | 0.00008 | 33.23 | 51.62 | 0.00008 |
| 31.82 | 53.03 | 0.00008 | 30.41 | 54.45 | 0.00008 |
| 28.28 | 56.57 | 0.00007 | 24.75 | 60.10 | 0.00007 |
| 21.21 | 63.64 | 0.00007 | 14.14 | 70.71 | 0.00006 |
| 7.07 | 77.78 | 0.00006 | 0.00 | 84.85 | 0.00006 |
| -7.07 | 91.92 | 0.00005 | -14.14 | 98.99 | 0.00005 |
| -21.21 | 106.07 | 0.00005 | -28.28 | 113.14 | 0.00005 |
| 106.07 | -35.36 | 0.00023 | 98.99 | -28.28 | 0.00022 |
| 91.92 | -21.21 | 0.00020 | 84.85 | -14.14 | 0.00018 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 77.78 | -7.07 | 0.00015 | 70.71 | 0.00 | 0.00014 |
| 63.64 | 7.07 | 0.00012 | 56.57 | 14.14 | 0.00011 |
| 53.03 | 17.68 | 0.00011 | 49.50 | 21.21 | 0.00011 |
| 47.38 | 23.33 | 0.00011 | 45.96 | 24.75 | 0.00010 |
| 44.55 | 26.16 | 0.00010 | 43.13 | 27.58 | 0.00010 |
| 41.72 | 28.99 | 0.00010 | 28.99 | 41.72 | 0.00009 |
| 27.58 | 43.13 | 0.00009 | 26.16 | 44.55 | 0.00009 |
| 24.75 | 45.96 | 0.00009 | 23.33 | 47.38 | 0.00009 |
| 21.21 | 49.50 | 0.00008 | 17.68 | 53.03 | 0.00008 |
| 14.14 | 56.57 | 0.00008 | 7.07 | 63.64 | 0.00007 |
| 0.00 | 70.71 | 0.00007 | -7.07 | 77.78 | 0.00006 |
| -14.14 | 84.85 | 0.00006 | -21.21 | 91.92 | 0.00006 |
| -28.28 | 98.99 | 0.00006 | -35.36 | 106.07 | 0.00005 |
| 98.99 | -42.43 | 0.00029 | 91.92 | -35.36 | 0.00027 |
| 84.85 | -28.28 | 0.00025 | 77.78 | -21.21 | 0.00022 |
| 70.71 | -14.14 | 0.00019 | 63.64 | -7.07 | 0.00017 |
| 56.57 | 0.00 | 0.00015 | 49.50 | 7.07 | 0.00014 |
| 45.96 | 10.61 | 0.00013 | 42.43 | 14.14 | 0.00013 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2

INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.31 | 16.26 | 0.00012 | 38.89 | 17.68 | 0.00012 |
| 37.48 | 19.09 | 0.00012 | 36.06 | 20.51 | 0.00012 |
| 34.65 | 21.92 | 0.00012 | 21.92 | 34.65 | 0.00011 |
| 20.51 | 36.06 | 0.00010 | 19.09 | 37.48 | 0.00010 |
| 17.68 | 38.89 | 0.00010 | 16.26 | 40.31 | 0.00010 |
| 14.14 | 42.43 | 0.00010 | 10.61 | 45.96 | 0.00009 |
| 7.07 | 49.50 | 0.00009 | 0.00 | 56.57 | 0.00008 |
| -7.07 | 63.64 | 0.00008 | -14.14 | 70.71 | 0.00007 |
| -21.21 | 77.78 | 0.00007 | -28.28 | 84.85 | 0.00006 |
| -35.36 | 91.92 | 0.00006 | -42.43 | 98.99 | 0.00006 |
| 91.92 | -49.50 | 0.00036 | 84.85 | -42.43 | 0.00034 |
| 77.78 | -35.36 | 0.00031 | 70.71 | -28.28 | 0.00028 |
| 63.64 | -21.21 | 0.00025 | 56.57 | -14.14 | 0.00022 |
| 49.50 | -7.07 | 0.00019 | 42.43 | 0.00 | 0.00016 |
| 38.89 | 3.54 | 0.00016 | 35.36 | 7.07 | 0.00015 |
| 33.23 | 9.19 | 0.00015 | 31.82 | 10.61 | 0.00014 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 30.41 | 12.02 | 0.00014 | 28.99 | 13.44 | 0.00014 |
| 27.58 | 14.85 | 0.00014 | 14.85 | 27.58 | 0.00012 |
| 13.44 | 28.99 | 0.00012 | 12.02 | 30.41 | 0.00012 |
| 10.61 | 31.82 | 0.00012 | 9.19 | 33.23 | 0.00011 |
| 7.07 | 35.36 | 0.00011 | 3.54 | 38.89 | 0.00010 |
| 0.00 | 42.43 | 0.00010 | -7.07 | 49.50 | 0.00009 |
| -14.14 | 56.57 | 0.00009 | -21.21 | 63.64 | 0.00008 |
| -28.28 | 70.71 | 0.00008 | -35.36 | 77.78 | 0.00007 |
| -42.43 | 84.85 | 0.00007 | -49.50 | 91.92 | 0.00007 |
| 84.85 | -56.57 | 0.00045 | 77.78 | -49.50 | 0.00043 |
| 70.71 | -42.43 | 0.00041 | 63.64 | -35.36 | 0.00037 |
| 56.57 | -28.28 | 0.00033 | 49.50 | -21.21 | 0.00028 |
| 42.43 | -14.14 | 0.00024 | 35.36 | -7.07 | 0.00020 |
| 31.82 | -3.54 | 0.00019 | 28.28 | 0.00 | 0.00018 |
| 26.16 | 2.12 | 0.00018 | 24.75 | 3.54 | 0.00017 |
| 23.33 | 4.95 | 0.00017 | 21.92 | 6.36 | 0.00017 |
| 20.51 | 7.78 | 0.00016 | 7.78 | 20.51 | 0.00014 |
| 6.36 | 21.92 | 0.00014 | 4.95 | 23.33 | 0.00014 |
| 3.54 | 24.75 | 0.00013 | 2.12 | 26.16 | 0.00013 |
| 0.00 | 28.28 | 0.00013 | -3.54 | 31.82 | 0.00012 |
| -7.07 | 35.36 | 0.00011 | -14.14 | 42.43 | 0.00011 |
| -21.21 | 49.50 | 0.00010 | -28.28 | 56.57 | 0.00009 |
| -35.36 | 63.64 | 0.00009 | -42.43 | 70.71 | 0.00009 |
| -49.50 | 77.78 | 0.00009 | -56.57 | 84.85 | 0.00008 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2
 *** INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER | | | IN MICROGRAMS/M**3 | | |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| 77.78 | -63.64 | 0.00057 | 70.71 | -56.57 | 0.00056 |
| 63.64 | -49.50 | 0.00053 | 56.57 | -42.43 | 0.00050 |
| 49.50 | -35.36 | 0.00045 | 42.43 | -28.28 | 0.00039 |
| 35.36 | -21.21 | 0.00033 | 28.28 | -14.14 | 0.00027 |
| 24.75 | -10.61 | 0.00025 | 21.21 | -7.07 | 0.00023 |
| 19.09 | -4.95 | 0.00022 | 17.68 | -3.54 | 0.00022 |
| 16.26 | -2.12 | 0.00021 | 14.85 | -0.71 | 0.00021 |
| 13.44 | 0.71 | 0.00020 | 0.71 | 13.44 | 0.00017 |
| -0.71 | 14.85 | 0.00017 | -2.12 | 16.26 | 0.00016 |
| -3.54 | 17.68 | 0.00016 | -4.95 | 19.09 | 0.00015 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -7.07 | 21.21 | 0.00015 | -10.61 | 24.75 | 0.00014 |
| -14.14 | 28.28 | 0.00013 | -21.21 | 35.36 | 0.00012 |
| -28.28 | 42.43 | 0.00012 | -35.36 | 49.50 | 0.00011 |
| -42.43 | 56.57 | 0.00011 | -49.50 | 63.64 | 0.00011 |
| -56.57 | 70.71 | 0.00010 | -63.64 | 77.78 | 0.00010 |
| 70.71 | -70.71 | 0.00072 | 63.64 | -63.64 | 0.00072 |
| 56.57 | -56.57 | 0.00071 | 49.50 | -49.50 | 0.00068 |
| 42.43 | -42.43 | 0.00062 | 35.36 | -35.36 | 0.00055 |
| 28.28 | -28.28 | 0.00047 | 21.21 | -21.21 | 0.00037 |
| 17.68 | -17.68 | 0.00033 | 14.14 | -14.14 | 0.00030 |
| 12.02 | -12.02 | 0.00029 | 10.61 | -10.61 | 0.00028 |
| 9.19 | -9.19 | 0.00027 | 7.78 | -7.78 | 0.00026 |
| 6.36 | -6.36 | 0.00026 | -6.36 | 6.36 | 0.00021 |
| -7.78 | 7.78 | 0.00020 | -9.19 | 9.19 | 0.00020 |
| -10.61 | 10.61 | 0.00019 | -12.02 | 12.02 | 0.00018 |
| -14.14 | 14.14 | 0.00018 | -17.68 | 17.68 | 0.00017 |
| -21.21 | 21.21 | 0.00016 | -28.28 | 28.28 | 0.00015 |
| -35.36 | 35.36 | 0.00014 | -42.43 | 42.43 | 0.00014 |
| -49.50 | 49.50 | 0.00013 | -56.57 | 56.57 | 0.00013 |
| -63.64 | 63.64 | 0.00013 | -70.71 | 70.71 | 0.00013 |
| 63.64 | -77.78 | 0.00090 | 56.57 | -70.71 | 0.00092 |
| 49.50 | -63.64 | 0.00093 | 42.43 | -56.57 | 0.00092 |
| 35.36 | -49.50 | 0.00089 | 28.28 | -42.43 | 0.00081 |
| 21.21 | -35.36 | 0.00070 | 14.14 | -28.28 | 0.00056 |
| 10.61 | -24.75 | 0.00049 | 7.07 | -21.21 | 0.00043 |
| 4.95 | -19.09 | 0.00039 | 3.54 | -17.68 | 0.00038 |
| 2.12 | -16.26 | 0.00036 | 0.71 | -14.85 | 0.00035 |
| -0.71 | -13.44 | 0.00033 | -13.44 | -0.71 | 0.00026 |
| -14.85 | 0.71 | 0.00025 | -16.26 | 2.12 | 0.00024 |
| -17.68 | 3.54 | 0.00023 | -19.09 | 4.95 | 0.00022 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2
 *** INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -21.21 | 7.07 | 0.00021 | -24.75 | 10.61 | 0.00020 |
| -28.28 | 14.14 | 0.00019 | -35.36 | 21.21 | 0.00019 |
| -42.43 | 28.28 | 0.00018 | -49.50 | 35.36 | 0.00018 |
| -56.57 | 42.43 | 0.00017 | -63.64 | 49.50 | 0.00017 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -70.71 | 56.57 | 0.00016 | -77.78 | 63.64 | 0.00016 |
| 56.57 | -84.85 | 0.00110 | 49.50 | -77.78 | 0.00116 |
| 42.43 | -70.71 | 0.00121 | 35.36 | -63.64 | 0.00125 |
| 28.28 | -56.57 | 0.00126 | 21.21 | -49.50 | 0.00122 |
| 14.14 | -42.43 | 0.00111 | 7.07 | -35.36 | 0.00093 |
| 3.54 | -31.82 | 0.00081 | 0.00 | -28.28 | 0.00068 |
| -2.12 | -26.16 | 0.00061 | -3.54 | -24.75 | 0.00057 |
| -4.95 | -23.33 | 0.00053 | -6.36 | -21.92 | 0.00049 |
| -7.78 | -20.51 | 0.00047 | -20.51 | -7.78 | 0.00032 |
| -21.92 | -6.36 | 0.00031 | -23.33 | -4.95 | 0.00030 |
| -24.75 | -3.54 | 0.00029 | -26.16 | -2.12 | 0.00028 |
| -28.28 | 0.00 | 0.00027 | -31.82 | 3.54 | 0.00026 |
| -35.36 | 7.07 | 0.00025 | -42.43 | 14.14 | 0.00025 |
| -49.50 | 21.21 | 0.00024 | -56.57 | 28.28 | 0.00024 |
| -63.64 | 35.36 | 0.00023 | -70.71 | 42.43 | 0.00022 |
| -77.78 | 49.50 | 0.00020 | -84.85 | 56.57 | 0.00019 |
| 49.50 | -91.92 | 0.00134 | 42.43 | -84.85 | 0.00145 |
| 35.36 | -77.78 | 0.00155 | 28.28 | -70.71 | 0.00166 |
| 21.21 | -63.64 | 0.00174 | 14.14 | -56.57 | 0.00179 |
| 7.07 | -49.50 | 0.00178 | 0.00 | -42.43 | 0.00163 |
| -3.54 | -38.89 | 0.00149 | -7.07 | -35.36 | 0.00128 |
| -9.19 | -33.23 | 0.00114 | -10.61 | -31.82 | 0.00104 |
| -12.02 | -30.41 | 0.00094 | -13.44 | -28.99 | 0.00084 |
| -14.85 | -27.58 | 0.00075 | -27.58 | -14.85 | 0.00042 |
| -28.99 | -13.44 | 0.00040 | -30.41 | -12.02 | 0.00039 |
| -31.82 | -10.61 | 0.00038 | -33.23 | -9.19 | 0.00037 |
| -35.36 | -7.07 | 0.00037 | -38.89 | -3.54 | 0.00036 |
| -42.43 | 0.00 | 0.00036 | -49.50 | 7.07 | 0.00036 |
| -56.57 | 14.14 | 0.00034 | -63.64 | 21.21 | 0.00032 |
| -70.71 | 28.28 | 0.00030 | -77.78 | 35.36 | 0.00028 |
| -84.85 | 42.43 | 0.00025 | -91.92 | 49.50 | 0.00023 |
| 42.43 | -98.99 | 0.00159 | 35.36 | -91.92 | 0.00176 |
| 28.28 | -84.85 | 0.00194 | 21.21 | -77.78 | 0.00213 |
| 14.14 | -70.71 | 0.00234 | 7.07 | -63.64 | 0.00254 |
| 0.00 | -56.57 | 0.00272 | -7.07 | -49.50 | 0.00280 |
| -10.61 | -45.96 | 0.00277 | -14.14 | -42.43 | 0.00265 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2
 *** INCLUDING SOURCE(S): NCRA_S2 ,
 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound
 ** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -16.26 | -40.31 | 0.00251 | -17.68 | -38.89 | 0.00239 |
| -19.09 | -37.48 | 0.00223 | -20.51 | -36.06 | 0.00203 |
| -21.92 | -34.65 | 0.00178 | -34.65 | -21.92 | 0.00061 |
| -36.06 | -20.51 | 0.00061 | -37.48 | -19.09 | 0.00061 |
| -38.89 | -17.68 | 0.00061 | -40.31 | -16.26 | 0.00061 |
| -42.43 | -14.14 | 0.00061 | -45.96 | -10.61 | 0.00060 |
| -49.50 | -7.07 | 0.00058 | -56.57 | 0.00 | 0.00053 |
| -63.64 | 7.07 | 0.00048 | -70.71 | 14.14 | 0.00043 |
| -77.78 | 21.21 | 0.00039 | -84.85 | 28.28 | 0.00035 |
| -91.92 | 35.36 | 0.00031 | -98.99 | 42.43 | 0.00028 |
| 35.36 | -106.07 | 0.00182 | 28.28 | -98.99 | 0.00204 |
| 21.21 | -91.92 | 0.00230 | 14.14 | -84.85 | 0.00259 |
| 7.07 | -77.78 | 0.00292 | 0.00 | -70.71 | 0.00329 |
| -7.07 | -63.64 | 0.00369 | -14.14 | -56.57 | 0.00408 |
| -17.68 | -53.03 | 0.00425 | -21.21 | -49.50 | 0.00435 |
| -23.33 | -47.38 | 0.00438 | -24.75 | -45.96 | 0.00437 |
| -26.16 | -44.55 | 0.00436 | -27.58 | -43.13 | 0.00435 |
| -28.99 | -41.72 | 0.00433 | -41.72 | -28.99 | 0.00120 |
| -43.13 | -27.58 | 0.00114 | -44.55 | -26.16 | 0.00110 |
| -45.96 | -24.75 | 0.00107 | -47.38 | -23.33 | 0.00104 |
| -49.50 | -21.21 | 0.00100 | -53.03 | -17.68 | 0.00093 |
| -56.57 | -14.14 | 0.00087 | -63.64 | -7.07 | 0.00075 |
| -70.71 | 0.00 | 0.00064 | -77.78 | 7.07 | 0.00056 |
| -84.85 | 14.14 | 0.00049 | -91.92 | 21.21 | 0.00043 |
| -98.99 | 28.28 | 0.00038 | -106.07 | 35.36 | 0.00034 |
| 28.28 | -113.14 | 0.00201 | 21.21 | -106.07 | 0.00228 |
| 14.14 | -98.99 | 0.00259 | 7.07 | -91.92 | 0.00296 |
| 0.00 | -84.85 | 0.00339 | -7.07 | -77.78 | 0.00387 |
| -14.14 | -70.71 | 0.00439 | -21.21 | -63.64 | 0.00488 |
| -24.75 | -60.10 | 0.00507 | -28.28 | -56.57 | 0.00518 |
| -30.41 | -54.45 | 0.00518 | -31.82 | -53.03 | 0.00514 |
| -33.23 | -51.62 | 0.00508 | -34.65 | -50.20 | 0.00500 |
| -36.06 | -48.79 | 0.00491 | -48.79 | -36.06 | 0.00146 |
| -50.20 | -34.65 | 0.00142 | -51.62 | -33.23 | 0.00138 |
| -53.03 | -31.82 | 0.00135 | -54.45 | -30.41 | 0.00132 |
| -56.57 | -28.28 | 0.00128 | -60.10 | -24.75 | 0.00119 |
| -63.64 | -21.21 | 0.00110 | -70.71 | -14.14 | 0.00093 |
| -77.78 | -7.07 | 0.00079 | -84.85 | 0.00 | 0.00067 |
| -91.92 | 7.07 | 0.00058 | -98.99 | 14.14 | 0.00050 |
| -106.07 | 21.21 | 0.00044 | -113.14 | 28.28 | 0.00038 |

1 *** ISCST3 - VERSION 02035 ***
 04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43
 **MODELOPTS:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2

 INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| | | ** CONC OF OTHER | IN MICROGRAMS/M**3 | | ** |
|-------------|-------------|------------------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| 21.21 | -120.21 | 0.00214 | 14.14 | -113.14 | 0.00244 |
| 7.07 | -106.07 | 0.00280 | 0.00 | -98.99 | 0.00322 |
| -7.07 | -91.92 | 0.00370 | -14.14 | -84.85 | 0.00424 |
| -21.21 | -77.78 | 0.00481 | -28.28 | -70.71 | 0.00531 |
| -31.82 | -67.18 | 0.00547 | -35.36 | -63.64 | 0.00552 |
| -37.48 | -61.52 | 0.00548 | -38.89 | -60.10 | 0.00542 |
| -40.31 | -58.69 | 0.00533 | -41.72 | -57.28 | 0.00521 |
| -43.13 | -55.86 | 0.00510 | -55.86 | -43.13 | 0.00159 |
| -57.28 | -41.72 | 0.00155 | -58.69 | -40.31 | 0.00152 |
| -60.10 | -38.89 | 0.00149 | -61.52 | -37.48 | 0.00147 |
| -63.64 | -35.36 | 0.00143 | -67.18 | -31.82 | 0.00135 |
| -70.71 | -28.28 | 0.00126 | -77.78 | -21.21 | 0.00108 |
| -84.85 | -14.14 | 0.00091 | -91.92 | -7.07 | 0.00077 |
| -98.99 | 0.00 | 0.00065 | -106.07 | 7.07 | 0.00056 |
| -113.14 | 14.14 | 0.00049 | -120.21 | 21.21 | 0.00042 |
| 14.14 | -127.28 | 0.00220 | 7.07 | -120.21 | 0.00253 |
| 0.00 | -113.14 | 0.00291 | -7.07 | -106.07 | 0.00336 |
| -14.14 | -98.99 | 0.00387 | -21.21 | -91.92 | 0.00445 |
| -28.28 | -84.85 | 0.00504 | -35.36 | -77.78 | 0.00552 |
| -38.89 | -74.25 | 0.00566 | -42.43 | -70.71 | 0.00568 |
| -44.55 | -68.59 | 0.00562 | -45.96 | -67.18 | 0.00555 |
| -47.38 | -65.76 | 0.00546 | -48.79 | -64.35 | 0.00533 |
| -50.20 | -62.93 | 0.00521 | -62.93 | -50.20 | 0.00166 |
| -64.35 | -48.79 | 0.00163 | -65.76 | -47.38 | 0.00160 |
| -67.18 | -45.96 | 0.00158 | -68.59 | -44.55 | 0.00156 |
| -70.71 | -42.43 | 0.00152 | -74.25 | -38.89 | 0.00144 |
| -77.78 | -35.36 | 0.00136 | -84.85 | -28.28 | 0.00118 |
| -91.92 | -21.21 | 0.00100 | -98.99 | -14.14 | 0.00085 |
| -106.07 | -7.07 | 0.00072 | -113.14 | 0.00 | 0.00061 |
| -120.21 | 7.07 | 0.00053 | -127.28 | 14.14 | 0.00046 |
| 7.07 | -134.35 | 0.00220 | 0.00 | -127.28 | 0.00253 |
| -7.07 | -120.21 | 0.00291 | -14.14 | -113.14 | 0.00338 |
| -21.21 | -106.07 | 0.00391 | -28.28 | -98.99 | 0.00450 |
| -35.36 | -91.92 | 0.00510 | -42.43 | -84.85 | 0.00558 |
| -45.96 | -81.32 | 0.00572 | -49.50 | -77.78 | 0.00574 |
| -51.62 | -75.66 | 0.00568 | -53.03 | -74.25 | 0.00561 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -54.45 | -72.83 | 0.00551 | -55.86 | -71.42 | 0.00539 |
| -57.28 | -70.00 | 0.00526 | -70.00 | -57.28 | 0.00171 |
| -71.42 | -55.86 | 0.00167 | -72.83 | -54.45 | 0.00165 |
| -74.25 | -53.03 | 0.00163 | -75.66 | -51.62 | 0.00161 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2
 *** INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -77.78 | -49.50 | 0.00157 | -81.32 | -45.96 | 0.00150 |
| -84.85 | -42.43 | 0.00142 | -91.92 | -35.36 | 0.00124 |
| -98.99 | -28.28 | 0.00106 | -106.07 | -21.21 | 0.00090 |
| -113.14 | -14.14 | 0.00076 | -120.21 | -7.07 | 0.00065 |
| -127.28 | 0.00 | 0.00055 | -134.35 | 7.07 | 0.00048 |
| 0.00 | -141.42 | 0.00214 | -7.07 | -134.35 | 0.00245 |
| -14.14 | -127.28 | 0.00283 | -21.21 | -120.21 | 0.00328 |
| -28.28 | -113.14 | 0.00380 | -35.36 | -106.07 | 0.00438 |
| -42.43 | -98.99 | 0.00499 | -49.50 | -91.92 | 0.00550 |
| -53.03 | -88.39 | 0.00567 | -56.57 | -84.85 | 0.00571 |
| -58.69 | -82.73 | 0.00567 | -60.10 | -81.32 | 0.00560 |
| -61.52 | -79.90 | 0.00551 | -62.93 | -78.49 | 0.00539 |
| -64.35 | -77.07 | 0.00525 | -77.07 | -64.35 | 0.00172 |
| -78.49 | -62.93 | 0.00169 | -79.90 | -61.52 | 0.00167 |
| -81.32 | -60.10 | 0.00165 | -82.73 | -58.69 | 0.00163 |
| -84.85 | -56.57 | 0.00160 | -88.39 | -53.03 | 0.00153 |
| -91.92 | -49.50 | 0.00145 | -98.99 | -42.43 | 0.00126 |
| -106.07 | -35.36 | 0.00108 | -113.14 | -28.28 | 0.00092 |
| -120.21 | -21.21 | 0.00078 | -127.28 | -14.14 | 0.00067 |
| -134.35 | -7.07 | 0.00057 | -141.42 | 0.00 | 0.00049 |
| -7.07 | -148.49 | 0.00202 | -14.14 | -141.42 | 0.00231 |
| -21.21 | -134.35 | 0.00265 | -28.28 | -127.28 | 0.00306 |
| -35.36 | -120.21 | 0.00353 | -42.43 | -113.14 | 0.00407 |
| -49.50 | -106.07 | 0.00466 | -56.57 | -98.99 | 0.00522 |
| -60.10 | -95.46 | 0.00542 | -63.64 | -91.92 | 0.00553 |
| -65.76 | -89.80 | 0.00552 | -67.18 | -88.39 | 0.00548 |
| -68.59 | -86.97 | 0.00541 | -70.00 | -85.56 | 0.00530 |
| -71.42 | -84.15 | 0.00518 | -84.15 | -71.42 | 0.00171 |
| -85.56 | -70.00 | 0.00167 | -86.97 | -68.59 | 0.00165 |
| -88.39 | -67.18 | 0.00164 | -89.80 | -65.76 | 0.00162 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -91.92 | -63.64 | 0.00159 | -95.46 | -60.10 | 0.00152 |
| -98.99 | -56.57 | 0.00144 | -106.07 | -49.50 | 0.00125 |
| -113.14 | -42.43 | 0.00106 | -120.21 | -35.36 | 0.00090 |
| -127.28 | -28.28 | 0.00077 | -134.35 | -21.21 | 0.00066 |
| -141.42 | -14.14 | 0.00057 | -148.49 | -7.07 | 0.00049 |
| -14.14 | -155.56 | 0.00184 | -21.21 | -148.49 | 0.00208 |
| -28.28 | -141.42 | 0.00237 | -35.36 | -134.35 | 0.00271 |
| -42.43 | -127.28 | 0.00311 | -49.50 | -120.21 | 0.00356 |
| -56.57 | -113.14 | 0.00405 | -63.64 | -106.07 | 0.00456 |
| -67.18 | -102.53 | 0.00480 | -70.71 | -98.99 | 0.00498 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2

*** INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -72.83 | -96.87 | 0.00505 | -74.25 | -95.46 | 0.00506 |
| -75.66 | -94.05 | 0.00505 | -77.07 | -92.63 | 0.00500 |
| -78.49 | -91.22 | 0.00494 | -91.22 | -78.49 | 0.00165 |
| -92.63 | -77.07 | 0.00162 | -94.05 | -75.66 | 0.00160 |
| -95.46 | -74.25 | 0.00158 | -96.87 | -72.83 | 0.00156 |
| -98.99 | -70.71 | 0.00153 | -102.53 | -67.18 | 0.00145 |
| -106.07 | -63.64 | 0.00136 | -113.14 | -56.57 | 0.00118 |
| -120.21 | -49.50 | 0.00100 | -127.28 | -42.43 | 0.00085 |
| -134.35 | -35.36 | 0.00073 | -141.42 | -28.28 | 0.00063 |
| -148.49 | -21.21 | 0.00055 | -155.56 | -14.14 | 0.00047 |
| -21.21 | -162.63 | 0.00162 | -28.28 | -155.56 | 0.00181 |
| -35.36 | -148.49 | 0.00203 | -42.43 | -141.42 | 0.00227 |
| -49.50 | -134.35 | 0.00255 | -56.57 | -127.28 | 0.00284 |
| -63.64 | -120.21 | 0.00315 | -70.71 | -113.14 | 0.00343 |
| -74.25 | -109.60 | 0.00355 | -77.78 | -106.07 | 0.00366 |
| -79.90 | -103.94 | 0.00371 | -81.32 | -102.53 | 0.00375 |
| -82.73 | -101.12 | 0.00379 | -84.15 | -99.70 | 0.00385 |
| -85.56 | -98.29 | 0.00393 | -98.29 | -85.56 | 0.00148 |
| -99.70 | -84.15 | 0.00144 | -101.12 | -82.73 | 0.00140 |
| -102.53 | -81.32 | 0.00138 | -103.94 | -79.90 | 0.00135 |
| -106.07 | -77.78 | 0.00131 | -109.60 | -74.25 | 0.00125 |
| -113.14 | -70.71 | 0.00118 | -120.21 | -63.64 | 0.00103 |
| -127.28 | -56.57 | 0.00089 | -134.35 | -49.50 | 0.00077 |
| -141.42 | -42.43 | 0.00067 | -148.49 | -35.36 | 0.00058 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -155.56 | -28.28 | 0.00051 | -162.63 | -21.21 | 0.00045 |
| -28.28 | -169.71 | 0.00139 | -35.36 | -162.63 | 0.00152 |
| -42.43 | -155.56 | 0.00167 | -49.50 | -148.49 | 0.00182 |
| -56.57 | -141.42 | 0.00197 | -63.64 | -134.35 | 0.00211 |
| -70.71 | -127.28 | 0.00219 | -77.78 | -120.21 | 0.00217 |
| -81.32 | -116.67 | 0.00210 | -84.85 | -113.14 | 0.00197 |
| -86.97 | -111.02 | 0.00186 | -88.39 | -109.60 | 0.00177 |
| -89.80 | -108.19 | 0.00167 | -91.22 | -106.77 | 0.00156 |
| -92.63 | -105.36 | 0.00143 | -105.36 | -92.63 | 0.00091 |
| -106.77 | -91.22 | 0.00092 | -108.19 | -89.80 | 0.00093 |
| -109.60 | -88.39 | 0.00093 | -111.02 | -86.97 | 0.00094 |
| -113.14 | -84.85 | 0.00094 | -116.67 | -81.32 | 0.00093 |
| -120.21 | -77.78 | 0.00091 | -127.28 | -70.71 | 0.00083 |
| -134.35 | -63.64 | 0.00075 | -141.42 | -56.57 | 0.00066 |
| -148.49 | -49.50 | 0.00058 | -155.56 | -42.43 | 0.00052 |
| -162.63 | -35.36 | 0.00046 | -169.71 | -28.28 | 0.00041 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at NE/SW Bound Direction ***

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2

INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -176.78 | 0.00117 | -42.43 | -169.71 | 0.00126 |
| -49.50 | -162.63 | 0.00134 | -56.57 | -155.56 | 0.00142 |
| -63.64 | -148.49 | 0.00149 | -70.71 | -141.42 | 0.00152 |
| -77.78 | -134.35 | 0.00149 | -84.85 | -127.28 | 0.00138 |
| -88.39 | -123.74 | 0.00128 | -91.92 | -120.21 | 0.00115 |
| -94.05 | -118.09 | 0.00107 | -95.46 | -116.67 | 0.00101 |
| -96.87 | -115.26 | 0.00096 | -98.29 | -113.84 | 0.00090 |
| -99.70 | -112.43 | 0.00085 | -112.43 | -99.70 | 0.00065 |
| -113.84 | -98.29 | 0.00065 | -115.26 | -96.87 | 0.00065 |
| -116.67 | -95.46 | 0.00066 | -118.09 | -94.05 | 0.00066 |
| -120.21 | -91.92 | 0.00067 | -123.74 | -88.39 | 0.00068 |
| -127.28 | -84.85 | 0.00069 | -134.35 | -77.78 | 0.00067 |
| -141.42 | -70.71 | 0.00062 | -148.49 | -63.64 | 0.00056 |
| -155.56 | -56.57 | 0.00050 | -162.63 | -49.50 | 0.00045 |
| -169.71 | -42.43 | 0.00041 | -176.78 | -35.36 | 0.00037 |
| -42.43 | -183.85 | 0.00097 | -49.50 | -176.78 | 0.00103 |
| -56.57 | -169.71 | 0.00107 | -63.64 | -162.63 | 0.00111 |
| -70.71 | -155.56 | 0.00112 | -77.78 | -148.49 | 0.00111 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -84.85 | -141.42 | 0.00105 | -91.92 | -134.35 | 0.00093 |
| -95.46 | -130.81 | 0.00086 | -98.99 | -127.28 | 0.00080 |
| -101.12 | -125.16 | 0.00076 | -102.53 | -123.74 | 0.00073 |
| -103.94 | -122.33 | 0.00070 | -105.36 | -120.92 | 0.00067 |
| -106.77 | -119.50 | 0.00064 | -119.50 | -106.77 | 0.00052 |
| -120.92 | -105.36 | 0.00052 | -122.33 | -103.94 | 0.00052 |
| -123.74 | -102.53 | 0.00052 | -125.16 | -101.12 | 0.00052 |
| -127.28 | -98.99 | 0.00052 | -130.81 | -95.46 | 0.00052 |
| -134.35 | -91.92 | 0.00052 | -141.42 | -84.85 | 0.00052 |
| -148.49 | -77.78 | 0.00050 | -155.56 | -70.71 | 0.00047 |
| -162.63 | -63.64 | 0.00043 | -169.71 | -56.57 | 0.00040 |
| -176.78 | -49.50 | 0.00036 | -183.85 | -42.43 | 0.00033 |
| -49.50 | -190.92 | 0.00081 | -56.57 | -183.85 | 0.00084 |
| -63.64 | -176.78 | 0.00086 | -70.71 | -169.71 | 0.00086 |
| -77.78 | -162.63 | 0.00085 | -84.85 | -155.56 | 0.00082 |
| -91.92 | -148.49 | 0.00076 | -98.99 | -141.42 | 0.00068 |
| -102.53 | -137.89 | 0.00065 | -106.07 | -134.35 | 0.00061 |
| -108.19 | -132.23 | 0.00059 | -109.60 | -130.81 | 0.00057 |
| -111.02 | -129.40 | 0.00055 | -112.43 | -127.99 | 0.00053 |
| -113.84 | -126.57 | 0.00051 | -126.57 | -113.84 | 0.00043 |
| -127.99 | -112.43 | 0.00043 | -129.40 | -111.02 | 0.00043 |
| -130.81 | -109.60 | 0.00042 | -132.23 | -108.19 | 0.00042 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at NE/SW Bound Direction ***

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2

INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -134.35 | -106.07 | 0.00042 | -137.89 | -102.53 | 0.00042 |
| -141.42 | -98.99 | 0.00042 | -148.49 | -91.92 | 0.00042 |
| -155.56 | -84.85 | 0.00040 | -162.63 | -77.78 | 0.00039 |
| -169.71 | -70.71 | 0.00037 | -176.78 | -63.64 | 0.00034 |
| -183.85 | -56.57 | 0.00032 | -190.92 | -49.50 | 0.00029 |
| -56.57 | -197.99 | 0.00067 | -63.64 | -190.92 | 0.00068 |
| -70.71 | -183.85 | 0.00069 | -77.78 | -176.78 | 0.00068 |
| -84.85 | -169.71 | 0.00065 | -91.92 | -162.63 | 0.00062 |
| -98.99 | -155.56 | 0.00057 | -106.07 | -148.49 | 0.00053 |
| -109.60 | -144.96 | 0.00051 | -113.14 | -141.42 | 0.00049 |
| -115.26 | -139.30 | 0.00047 | -116.67 | -137.89 | 0.00046 |
| -118.09 | -136.47 | 0.00044 | -119.50 | -135.06 | 0.00043 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -120.92 | -133.64 | 0.00041 | -133.64 | -120.92 | 0.00036 |
| -135.06 | -119.50 | 0.00036 | -136.47 | -118.09 | 0.00036 |
| -137.89 | -116.67 | 0.00035 | -139.30 | -115.26 | 0.00035 |
| -141.42 | -113.14 | 0.00035 | -144.96 | -109.60 | 0.00035 |
| -148.49 | -106.07 | 0.00035 | -155.56 | -98.99 | 0.00034 |
| -162.63 | -91.92 | 0.00033 | -169.71 | -84.85 | 0.00032 |
| -176.78 | -77.78 | 0.00031 | -183.85 | -70.71 | 0.00029 |
| -190.92 | -63.64 | 0.00028 | -197.99 | -56.57 | 0.00026 |
| -63.64 | -205.06 | 0.00056 | -70.71 | -197.99 | 0.00056 |
| -77.78 | -190.92 | 0.00055 | -84.85 | -183.85 | 0.00053 |
| -91.92 | -176.78 | 0.00051 | -98.99 | -169.71 | 0.00048 |
| -106.07 | -162.63 | 0.00046 | -113.14 | -155.56 | 0.00043 |
| -116.67 | -152.03 | 0.00042 | -120.21 | -148.49 | 0.00040 |
| -122.33 | -146.37 | 0.00039 | -123.74 | -144.96 | 0.00037 |
| -125.16 | -143.54 | 0.00036 | -126.57 | -142.13 | 0.00035 |
| -127.99 | -140.71 | 0.00034 | -140.71 | -127.99 | 0.00031 |
| -142.13 | -126.57 | 0.00031 | -143.54 | -125.16 | 0.00030 |
| -144.96 | -123.74 | 0.00030 | -146.37 | -122.33 | 0.00030 |
| -148.49 | -120.21 | 0.00029 | -152.03 | -116.67 | 0.00029 |
| -155.56 | -113.14 | 0.00029 | -162.63 | -106.07 | 0.00029 |
| -169.71 | -98.99 | 0.00028 | -176.78 | -91.92 | 0.00027 |
| -183.85 | -84.85 | 0.00026 | -190.92 | -77.78 | 0.00025 |
| -197.99 | -70.71 | 0.00024 | -205.06 | -63.64 | 0.00023 |
| -70.71 | -212.13 | 0.00046 | -77.78 | -205.06 | 0.00046 |
| -84.85 | -197.99 | 0.00045 | -91.92 | -190.92 | 0.00043 |
| -98.99 | -183.85 | 0.00041 | -106.07 | -176.78 | 0.00039 |
| -113.14 | -169.71 | 0.00038 | -120.21 | -162.63 | 0.00036 |
| -123.74 | -159.10 | 0.00035 | -127.28 | -155.56 | 0.00033 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at NE/SW Bound Direction ***

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2
 INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40 | -153.44 | 0.00032 | -130.81 | -152.03 | 0.00031 |
| -132.23 | -150.61 | 0.00030 | -133.64 | -149.20 | 0.00029 |
| -135.06 | -147.79 | 0.00028 | -147.79 | -135.06 | 0.00026 |
| -149.20 | -133.64 | 0.00026 | -150.61 | -132.23 | 0.00026 |
| -152.03 | -130.81 | 0.00026 | -153.44 | -129.40 | 0.00026 |
| -155.56 | -127.28 | 0.00025 | -159.10 | -123.74 | 0.00025 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -162.63 | -120.21 | 0.00025 | -169.71 | -113.14 | 0.00025 |
| -176.78 | -106.07 | 0.00024 | -183.85 | -98.99 | 0.00024 |
| -190.92 | -91.92 | 0.00023 | -197.99 | -84.85 | 0.00022 |
| -205.06 | -77.78 | 0.00021 | -212.13 | -70.71 | 0.00020 |
| -77.78 | -219.20 | 0.00039 | -84.85 | -212.13 | 0.00038 |
| -91.92 | -205.06 | 0.00037 | -98.99 | -197.99 | 0.00035 |
| -106.07 | -190.92 | 0.00034 | -113.14 | -183.85 | 0.00033 |
| -120.21 | -176.78 | 0.00032 | -127.28 | -169.71 | 0.00030 |
| -130.81 | -166.17 | 0.00029 | -134.35 | -162.63 | 0.00028 |
| -136.47 | -160.51 | 0.00027 | -137.89 | -159.10 | 0.00026 |
| -139.30 | -157.68 | 0.00025 | -140.71 | -156.27 | 0.00025 |
| -142.13 | -154.86 | 0.00024 | -154.86 | -142.13 | 0.00023 |
| -156.27 | -140.71 | 0.00023 | -157.68 | -139.30 | 0.00023 |
| -159.10 | -137.89 | 0.00022 | -160.51 | -136.47 | 0.00022 |
| -162.63 | -134.35 | 0.00022 | -166.17 | -130.81 | 0.00021 |
| -169.71 | -127.28 | 0.00021 | -176.78 | -120.21 | 0.00021 |
| -183.85 | -113.14 | 0.00021 | -190.92 | -106.07 | 0.00021 |
| -197.99 | -98.99 | 0.00020 | -205.06 | -91.92 | 0.00019 |
| -212.13 | -84.85 | 0.00018 | -219.20 | -77.78 | 0.00017 |
| -84.85 | -226.27 | 0.00032 | -91.92 | -219.20 | 0.00031 |
| -98.99 | -212.13 | 0.00030 | -106.07 | -205.06 | 0.00029 |
| -113.14 | -197.99 | 0.00029 | -120.21 | -190.92 | 0.00028 |
| -127.28 | -183.85 | 0.00027 | -134.35 | -176.78 | 0.00026 |
| -137.89 | -173.24 | 0.00025 | -141.42 | -169.71 | 0.00024 |
| -143.54 | -167.58 | 0.00023 | -144.96 | -166.17 | 0.00022 |
| -146.37 | -164.76 | 0.00022 | -147.79 | -163.34 | 0.00021 |
| -149.20 | -161.93 | 0.00021 | -161.93 | -149.20 | 0.00020 |
| -163.34 | -147.79 | 0.00020 | -164.76 | -146.37 | 0.00020 |
| -166.17 | -144.96 | 0.00020 | -167.58 | -143.54 | 0.00019 |
| -169.71 | -141.42 | 0.00019 | -173.24 | -137.89 | 0.00019 |
| -176.78 | -134.35 | 0.00018 | -183.85 | -127.28 | 0.00018 |
| -190.92 | -120.21 | 0.00018 | -197.99 | -113.14 | 0.00018 |
| -205.06 | -106.07 | 0.00018 | -212.13 | -98.99 | 0.00017 |
| -219.20 | -91.92 | 0.00016 | -226.27 | -84.85 | 0.00015 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2

INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|-------|-------------|-------------|-------|
| ----- | ----- | ----- | ----- | ----- | ----- |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -91.92 | -233.35 | 0.00027 | -98.99 | -226.27 | 0.00027 |
| -106.07 | -219.20 | 0.00026 | -113.14 | -212.13 | 0.00025 |
| -120.21 | -205.06 | 0.00025 | -127.28 | -197.99 | 0.00024 |
| -134.35 | -190.92 | 0.00023 | -141.42 | -183.85 | 0.00022 |
| -144.96 | -180.31 | 0.00021 | -148.49 | -176.78 | 0.00020 |
| -150.61 | -174.66 | 0.00020 | -152.03 | -173.24 | 0.00019 |
| -153.44 | -171.83 | 0.00019 | -154.86 | -170.41 | 0.00018 |
| -156.27 | -169.00 | 0.00018 | -169.00 | -156.27 | 0.00017 |
| -170.41 | -154.86 | 0.00017 | -171.83 | -153.44 | 0.00017 |
| -173.24 | -152.03 | 0.00017 | -174.66 | -150.61 | 0.00017 |
| -176.78 | -148.49 | 0.00017 | -180.31 | -144.96 | 0.00017 |
| -183.85 | -141.42 | 0.00016 | -190.92 | -134.35 | 0.00016 |
| -197.99 | -127.28 | 0.00016 | -205.06 | -120.21 | 0.00016 |
| -212.13 | -113.14 | 0.00016 | -219.20 | -106.07 | 0.00015 |
| -226.27 | -98.99 | 0.00015 | -233.35 | -91.92 | 0.00014 |
| -98.99 | -240.42 | 0.00023 | -106.07 | -233.35 | 0.00023 |
| -113.14 | -226.27 | 0.00022 | -120.21 | -219.20 | 0.00022 |
| -127.28 | -212.13 | 0.00021 | -134.35 | -205.06 | 0.00021 |
| -141.42 | -197.99 | 0.00020 | -148.49 | -190.92 | 0.00019 |
| -152.03 | -187.38 | 0.00018 | -155.56 | -183.85 | 0.00018 |
| -157.68 | -181.73 | 0.00017 | -159.10 | -180.31 | 0.00017 |
| -160.51 | -178.90 | 0.00016 | -161.93 | -177.48 | 0.00016 |
| -163.34 | -176.07 | 0.00016 | -176.07 | -163.34 | 0.00015 |
| -177.48 | -161.93 | 0.00015 | -178.90 | -160.51 | 0.00015 |
| -180.31 | -159.10 | 0.00015 | -181.73 | -157.68 | 0.00015 |
| -183.85 | -155.56 | 0.00015 | -187.38 | -152.03 | 0.00015 |
| -190.92 | -148.49 | 0.00014 | -197.99 | -141.42 | 0.00014 |
| -205.06 | -134.35 | 0.00014 | -212.13 | -127.28 | 0.00014 |
| -219.20 | -120.21 | 0.00014 | -226.27 | -113.14 | 0.00014 |
| -233.35 | -106.07 | 0.00013 | -240.42 | -98.99 | 0.00013 |
| -106.07 | -247.49 | 0.00020 | -113.14 | -240.42 | 0.00020 |
| -120.21 | -233.35 | 0.00019 | -127.28 | -226.27 | 0.00019 |
| -134.35 | -219.20 | 0.00019 | -141.42 | -212.13 | 0.00019 |
| -148.49 | -205.06 | 0.00018 | -155.56 | -197.99 | 0.00017 |
| -159.10 | -194.45 | 0.00016 | -162.63 | -190.92 | 0.00015 |
| -164.76 | -188.80 | 0.00015 | -166.17 | -187.38 | 0.00015 |
| -167.58 | -185.97 | 0.00014 | -169.00 | -184.55 | 0.00014 |
| -170.41 | -183.14 | 0.00014 | -183.14 | -170.41 | 0.00014 |
| -184.55 | -169.00 | 0.00014 | -185.97 | -167.58 | 0.00014 |
| -187.38 | -166.17 | 0.00014 | -188.80 | -164.76 | 0.00014 |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S2
 INCLUDING SOURCE(S): NCRA_S2 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER | | | IN MICROGRAMS/M**3 | | | ** |
|------------------|-------------|---------|--------------------|-------------|---------|----|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC | |
| -190.92 | -162.63 | 0.00013 | -194.45 | -159.10 | 0.00013 | |
| -197.99 | -155.56 | 0.00013 | -205.06 | -148.49 | 0.00012 | |
| -212.13 | -141.42 | 0.00012 | -219.20 | -134.35 | 0.00012 | |
| -226.27 | -127.28 | 0.00012 | -233.35 | -120.21 | 0.00012 | |
| -240.42 | -113.14 | 0.00012 | -247.49 | -106.07 | 0.00012 | |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER | | | IN MICROGRAMS/M**3 | | | ** |
|------------------|-------------|---------|--------------------|-------------|---------|----|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC | |
| 247.49 | 106.07 | 0.00004 | 240.42 | 113.14 | 0.00004 | |
| 233.35 | 120.21 | 0.00004 | 226.27 | 127.28 | 0.00004 | |
| 219.20 | 134.35 | 0.00004 | 212.13 | 141.42 | 0.00004 | |
| 205.06 | 148.49 | 0.00003 | 197.99 | 155.56 | 0.00003 | |
| 194.45 | 159.10 | 0.00003 | 190.92 | 162.63 | 0.00003 | |
| 188.80 | 164.76 | 0.00003 | 187.38 | 166.17 | 0.00003 | |
| 185.97 | 167.58 | 0.00003 | 184.55 | 169.00 | 0.00003 | |
| 183.14 | 170.41 | 0.00003 | 170.41 | 183.14 | 0.00003 | |
| 169.00 | 184.55 | 0.00003 | 167.58 | 185.97 | 0.00003 | |
| 166.17 | 187.38 | 0.00003 | 164.76 | 188.80 | 0.00003 | |
| 162.63 | 190.92 | 0.00003 | 159.10 | 194.45 | 0.00003 | |
| 155.56 | 197.99 | 0.00003 | 148.49 | 205.06 | 0.00003 | |
| 141.42 | 212.13 | 0.00002 | 134.35 | 219.20 | 0.00002 | |
| 127.28 | 226.27 | 0.00002 | 120.21 | 233.35 | 0.00002 | |
| 113.14 | 240.42 | 0.00002 | 106.07 | 247.49 | 0.00002 | |
| 240.42 | 98.99 | 0.00005 | 233.35 | 106.07 | 0.00004 | |
| 226.27 | 113.14 | 0.00004 | 219.20 | 120.21 | 0.00004 | |
| 212.13 | 127.28 | 0.00004 | 205.06 | 134.35 | 0.00004 | |
| 197.99 | 141.42 | 0.00004 | 190.92 | 148.49 | 0.00004 | |
| 187.38 | 152.03 | 0.00004 | 183.85 | 155.56 | 0.00003 | |
| 181.73 | 157.68 | 0.00003 | 180.31 | 159.10 | 0.00003 | |
| 178.90 | 160.51 | 0.00003 | 177.48 | 161.93 | 0.00003 | |
| 176.07 | 163.34 | 0.00003 | 163.34 | 176.07 | 0.00003 | |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 161.93 | 177.48 | 0.00003 | 160.51 | 178.90 | 0.00003 |
| 159.10 | 180.31 | 0.00003 | 157.68 | 181.73 | 0.00003 |
| 155.56 | 183.85 | 0.00003 | 152.03 | 187.38 | 0.00003 |
| 148.49 | 190.92 | 0.00003 | 141.42 | 197.99 | 0.00003 |
| 134.35 | 205.06 | 0.00003 | 127.28 | 212.13 | 0.00003 |
| 120.21 | 219.20 | 0.00002 | 113.14 | 226.27 | 0.00002 |
| 106.07 | 233.35 | 0.00002 | 98.99 | 240.42 | 0.00002 |
| 233.35 | 91.92 | 0.00005 | 226.27 | 98.99 | 0.00005 |
| 219.20 | 106.07 | 0.00005 | 212.13 | 113.14 | 0.00004 |
| 205.06 | 120.21 | 0.00004 | 197.99 | 127.28 | 0.00004 |
| 190.92 | 134.35 | 0.00004 | 183.85 | 141.42 | 0.00004 |
| 180.31 | 144.96 | 0.00004 | 176.78 | 148.49 | 0.00004 |
| 174.66 | 150.61 | 0.00004 | 173.24 | 152.03 | 0.00004 |
| 171.83 | 153.44 | 0.00004 | 170.41 | 154.86 | 0.00004 |
| 169.00 | 156.27 | 0.00004 | 156.27 | 169.00 | 0.00003 |
| 154.86 | 170.41 | 0.00003 | 153.44 | 171.83 | 0.00003 |
| 152.03 | 173.24 | 0.00003 | 150.61 | 174.66 | 0.00003 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3

INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 148.49 | 176.78 | 0.00003 | 144.96 | 180.31 | 0.00003 |
| 141.42 | 183.85 | 0.00003 | 134.35 | 190.92 | 0.00003 |
| 127.28 | 197.99 | 0.00003 | 120.21 | 205.06 | 0.00003 |
| 113.14 | 212.13 | 0.00003 | 106.07 | 219.20 | 0.00003 |
| 99.00 | 226.27 | 0.00002 | 91.92 | 233.35 | 0.00002 |
| 226.27 | 84.85 | 0.00006 | 219.20 | 91.92 | 0.00006 |
| 212.13 | 98.99 | 0.00005 | 205.06 | 106.07 | 0.00005 |
| 197.99 | 113.14 | 0.00005 | 190.92 | 120.21 | 0.00005 |
| 183.85 | 127.28 | 0.00005 | 176.78 | 134.35 | 0.00004 |
| 173.24 | 137.89 | 0.00004 | 169.71 | 141.42 | 0.00004 |
| 167.58 | 143.54 | 0.00004 | 166.17 | 144.96 | 0.00004 |
| 164.76 | 146.37 | 0.00004 | 163.34 | 147.79 | 0.00004 |
| 161.93 | 149.20 | 0.00004 | 149.20 | 161.93 | 0.00004 |
| 147.79 | 163.34 | 0.00004 | 146.37 | 164.76 | 0.00004 |
| 144.96 | 166.17 | 0.00004 | 143.54 | 167.58 | 0.00004 |
| 141.42 | 169.71 | 0.00004 | 137.89 | 173.24 | 0.00004 |
| 134.35 | 176.78 | 0.00004 | 127.28 | 183.85 | 0.00003 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 120.21 | 190.92 | 0.00003 | 113.14 | 197.99 | 0.00003 |
| 106.07 | 205.06 | 0.00003 | 99.00 | 212.13 | 0.00003 |
| 91.92 | 219.20 | 0.00003 | 84.85 | 226.27 | 0.00003 |
| 219.20 | 77.78 | 0.00007 | 212.13 | 84.85 | 0.00006 |
| 205.06 | 91.92 | 0.00006 | 197.99 | 98.99 | 0.00006 |
| 190.92 | 106.07 | 0.00005 | 183.85 | 113.14 | 0.00005 |
| 176.78 | 120.21 | 0.00005 | 169.71 | 127.28 | 0.00005 |
| 166.17 | 130.81 | 0.00005 | 162.63 | 134.35 | 0.00005 |
| 160.51 | 136.47 | 0.00004 | 159.10 | 137.89 | 0.00004 |
| 157.68 | 139.30 | 0.00004 | 156.27 | 140.71 | 0.00004 |
| 154.86 | 142.13 | 0.00004 | 142.13 | 154.86 | 0.00004 |
| 140.71 | 156.27 | 0.00004 | 139.30 | 157.68 | 0.00004 |
| 137.89 | 159.10 | 0.00004 | 136.47 | 160.51 | 0.00004 |
| 134.35 | 162.63 | 0.00004 | 130.81 | 166.17 | 0.00004 |
| 127.28 | 169.71 | 0.00004 | 120.21 | 176.78 | 0.00004 |
| 113.14 | 183.85 | 0.00003 | 106.07 | 190.92 | 0.00003 |
| 99.00 | 197.99 | 0.00003 | 91.92 | 205.06 | 0.00003 |
| 84.85 | 212.13 | 0.00003 | 77.78 | 219.20 | 0.00003 |
| 212.13 | 70.71 | 0.00008 | 205.06 | 77.78 | 0.00007 |
| 197.99 | 84.85 | 0.00007 | 190.92 | 91.92 | 0.00006 |
| 183.85 | 98.99 | 0.00006 | 176.78 | 106.07 | 0.00006 |
| 169.71 | 113.14 | 0.00006 | 162.63 | 120.21 | 0.00005 |
| 159.10 | 123.74 | 0.00005 | 155.56 | 127.28 | 0.00005 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 *** INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44 | 129.40 | 0.00005 | 152.03 | 130.81 | 0.00005 |
| 150.61 | 132.23 | 0.00005 | 149.20 | 133.64 | 0.00005 |
| 147.79 | 135.06 | 0.00005 | 135.06 | 147.79 | 0.00005 |
| 133.64 | 149.20 | 0.00005 | 132.23 | 150.61 | 0.00005 |
| 130.81 | 152.03 | 0.00004 | 129.40 | 153.44 | 0.00004 |
| 127.28 | 155.56 | 0.00004 | 123.74 | 159.10 | 0.00004 |
| 120.21 | 162.63 | 0.00004 | 113.14 | 169.71 | 0.00004 |
| 106.07 | 176.78 | 0.00004 | 98.99 | 183.85 | 0.00003 |
| 91.92 | 190.92 | 0.00003 | 84.85 | 197.99 | 0.00003 |
| 77.78 | 205.06 | 0.00003 | 70.71 | 212.13 | 0.00003 |
| 205.06 | 63.64 | 0.00009 | 197.99 | 70.71 | 0.00009 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 190.92 | 77.78 | 0.00008 | 183.85 | 84.85 | 0.00007 |
| 176.78 | 91.92 | 0.00007 | 169.71 | 98.99 | 0.00006 |
| 162.63 | 106.07 | 0.00006 | 155.56 | 113.14 | 0.00006 |
| 152.03 | 116.67 | 0.00006 | 148.49 | 120.21 | 0.00006 |
| 146.37 | 122.33 | 0.00006 | 144.96 | 123.74 | 0.00005 |
| 143.54 | 125.16 | 0.00005 | 142.13 | 126.57 | 0.00005 |
| 140.71 | 127.99 | 0.00005 | 127.99 | 140.71 | 0.00005 |
| 126.57 | 142.13 | 0.00005 | 125.16 | 143.54 | 0.00005 |
| 123.74 | 144.96 | 0.00005 | 122.33 | 146.37 | 0.00005 |
| 120.21 | 148.49 | 0.00005 | 116.67 | 152.03 | 0.00005 |
| 113.14 | 155.56 | 0.00005 | 106.07 | 162.63 | 0.00004 |
| 98.99 | 169.71 | 0.00004 | 91.92 | 176.78 | 0.00004 |
| 84.85 | 183.85 | 0.00004 | 77.78 | 190.92 | 0.00004 |
| 70.71 | 197.99 | 0.00003 | 63.64 | 205.06 | 0.00003 |
| 197.99 | 56.57 | 0.00011 | 190.92 | 63.64 | 0.00010 |
| 183.85 | 70.71 | 0.00009 | 176.78 | 77.78 | 0.00008 |
| 169.71 | 84.85 | 0.00008 | 162.63 | 91.92 | 0.00007 |
| 155.56 | 98.99 | 0.00007 | 148.49 | 106.07 | 0.00007 |
| 144.96 | 109.60 | 0.00006 | 141.42 | 113.14 | 0.00006 |
| 139.30 | 115.26 | 0.00006 | 137.89 | 116.67 | 0.00006 |
| 136.47 | 118.09 | 0.00006 | 135.06 | 119.50 | 0.00006 |
| 133.64 | 120.92 | 0.00006 | 120.92 | 133.64 | 0.00006 |
| 119.50 | 135.06 | 0.00006 | 118.09 | 136.47 | 0.00006 |
| 116.67 | 137.89 | 0.00005 | 115.26 | 139.30 | 0.00005 |
| 113.14 | 141.42 | 0.00005 | 109.60 | 144.96 | 0.00005 |
| 106.07 | 148.49 | 0.00005 | 98.99 | 155.56 | 0.00005 |
| 91.92 | 162.63 | 0.00004 | 84.85 | 169.71 | 0.00004 |
| 77.78 | 176.78 | 0.00004 | 70.71 | 183.85 | 0.00004 |
| 63.64 | 190.92 | 0.00004 | 56.57 | 197.99 | 0.00004 |

1 *** ICSCT3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTS:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3

INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 190.92 | 49.50 | 0.00013 | 183.85 | 56.57 | 0.00012 |
| 176.78 | 63.64 | 0.00011 | 169.71 | 70.71 | 0.00010 |
| 162.63 | 77.78 | 0.00009 | 155.56 | 84.85 | 0.00008 |
| 148.49 | 91.92 | 0.00008 | 141.42 | 98.99 | 0.00007 |
| 137.89 | 102.53 | 0.00007 | 134.35 | 106.07 | 0.00007 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 132.23 | 108.19 | 0.00007 | 130.81 | 109.60 | 0.00007 |
| 129.40 | 111.02 | 0.00007 | 127.99 | 112.43 | 0.00007 |
| 126.57 | 113.84 | 0.00007 | 113.84 | 126.57 | 0.00006 |
| 112.43 | 127.99 | 0.00006 | 111.02 | 129.40 | 0.00006 |
| 109.60 | 130.81 | 0.00006 | 108.19 | 132.23 | 0.00006 |
| 106.07 | 134.35 | 0.00006 | 102.53 | 137.89 | 0.00006 |
| 98.99 | 141.42 | 0.00005 | 91.92 | 148.49 | 0.00005 |
| 84.85 | 155.56 | 0.00005 | 77.78 | 162.63 | 0.00005 |
| 70.71 | 169.71 | 0.00004 | 63.64 | 176.78 | 0.00004 |
| 56.57 | 183.85 | 0.00004 | 49.50 | 190.92 | 0.00004 |
| 183.85 | 42.43 | 0.00016 | 176.78 | 49.50 | 0.00014 |
| 169.71 | 56.57 | 0.00013 | 162.63 | 63.64 | 0.00012 |
| 155.56 | 70.71 | 0.00010 | 148.49 | 77.78 | 0.00010 |
| 141.42 | 84.85 | 0.00009 | 134.35 | 91.92 | 0.00009 |
| 130.81 | 95.46 | 0.00008 | 127.28 | 98.99 | 0.00008 |
| 125.16 | 101.12 | 0.00008 | 123.74 | 102.53 | 0.00008 |
| 122.33 | 103.94 | 0.00008 | 120.92 | 105.36 | 0.00008 |
| 119.50 | 106.77 | 0.00008 | 106.77 | 119.50 | 0.00007 |
| 105.36 | 120.92 | 0.00007 | 103.94 | 122.33 | 0.00007 |
| 102.53 | 123.74 | 0.00007 | 101.12 | 125.16 | 0.00007 |
| 98.99 | 127.28 | 0.00007 | 95.46 | 130.81 | 0.00006 |
| 91.92 | 134.35 | 0.00006 | 84.85 | 141.42 | 0.00006 |
| 77.78 | 148.49 | 0.00005 | 70.71 | 155.56 | 0.00005 |
| 63.64 | 162.63 | 0.00005 | 56.57 | 169.71 | 0.00005 |
| 49.50 | 176.78 | 0.00004 | 42.43 | 183.85 | 0.00004 |
| 176.78 | 35.36 | 0.00019 | 169.71 | 42.43 | 0.00018 |
| 162.63 | 49.50 | 0.00016 | 155.56 | 56.57 | 0.00014 |
| 148.49 | 63.64 | 0.00013 | 141.42 | 70.71 | 0.00011 |
| 134.35 | 77.78 | 0.00010 | 127.28 | 84.85 | 0.00010 |
| 123.74 | 88.39 | 0.00010 | 120.21 | 91.92 | 0.00009 |
| 118.09 | 94.05 | 0.00009 | 116.67 | 95.46 | 0.00009 |
| 115.26 | 96.87 | 0.00009 | 113.84 | 98.29 | 0.00009 |
| 112.43 | 99.70 | 0.00009 | 99.70 | 112.43 | 0.00008 |
| 98.29 | 113.84 | 0.00008 | 96.87 | 115.26 | 0.00008 |
| 95.46 | 116.67 | 0.00008 | 94.05 | 118.09 | 0.00008 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
 PAGE 67

CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 *** INCLUDING SOURCE(S): NCRA_S3 ,
 *** DISCRETE CARTESIAN RECEPTOR POINTS ***
 ** CONC OF OTHER IN MICROGRAMS/M**3 **

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound
CONC

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 91.92 | 120.21 | 0.00007 | 88.39 | 123.74 | 0.00007 |
| 84.85 | 127.28 | 0.00007 | 77.78 | 134.35 | 0.00006 |
| 70.71 | 141.42 | 0.00006 | 63.64 | 148.49 | 0.00006 |
| 56.57 | 155.56 | 0.00005 | 49.50 | 162.63 | 0.00005 |
| 42.43 | 169.71 | 0.00005 | 35.36 | 176.78 | 0.00005 |
| 169.71 | 28.28 | 0.00023 | 162.63 | 35.36 | 0.00022 |
| 155.56 | 42.43 | 0.00020 | 148.49 | 49.50 | 0.00018 |
| 141.42 | 56.57 | 0.00015 | 134.35 | 63.64 | 0.00014 |
| 127.28 | 70.71 | 0.00012 | 120.21 | 77.78 | 0.00011 |
| 116.67 | 81.32 | 0.00011 | 113.14 | 84.85 | 0.00011 |
| 111.02 | 86.97 | 0.00011 | 109.60 | 88.39 | 0.00010 |
| 108.19 | 89.80 | 0.00010 | 106.77 | 91.22 | 0.00010 |
| 105.36 | 92.63 | 0.00010 | 92.63 | 105.36 | 0.00009 |
| 91.22 | 106.77 | 0.00009 | 89.80 | 108.19 | 0.00009 |
| 88.39 | 109.60 | 0.00009 | 86.97 | 111.02 | 0.00009 |
| 84.85 | 113.14 | 0.00008 | 81.32 | 116.67 | 0.00008 |
| 77.78 | 120.21 | 0.00008 | 70.71 | 127.28 | 0.00007 |
| 63.64 | 134.35 | 0.00007 | 56.57 | 141.42 | 0.00006 |
| 49.50 | 148.49 | 0.00006 | 42.43 | 155.56 | 0.00006 |
| 35.36 | 162.63 | 0.00006 | 28.28 | 169.71 | 0.00005 |
| 162.63 | 21.21 | 0.00029 | 155.56 | 28.28 | 0.00027 |
| 148.49 | 35.36 | 0.00025 | 141.42 | 42.43 | 0.00022 |
| 134.35 | 49.50 | 0.00019 | 127.28 | 56.57 | 0.00017 |
| 120.21 | 63.64 | 0.00015 | 113.14 | 70.71 | 0.00014 |
| 109.60 | 74.25 | 0.00013 | 106.07 | 77.78 | 0.00013 |
| 103.94 | 79.90 | 0.00012 | 102.53 | 81.32 | 0.00012 |
| 101.12 | 82.73 | 0.00012 | 99.70 | 84.15 | 0.00012 |
| 98.29 | 85.56 | 0.00012 | 85.56 | 98.29 | 0.00011 |
| 84.15 | 99.70 | 0.00010 | 82.73 | 101.12 | 0.00010 |
| 81.32 | 102.53 | 0.00010 | 79.90 | 103.94 | 0.00010 |
| 77.78 | 106.07 | 0.00010 | 74.25 | 109.60 | 0.00009 |
| 70.71 | 113.14 | 0.00009 | 63.64 | 120.21 | 0.00008 |
| 56.57 | 127.28 | 0.00008 | 49.50 | 134.35 | 0.00007 |
| 42.43 | 141.42 | 0.00007 | 35.36 | 148.49 | 0.00006 |
| 28.28 | 155.56 | 0.00006 | 21.21 | 162.63 | 0.00006 |
| 155.56 | 14.14 | 0.00036 | 148.49 | 21.21 | 0.00034 |
| 141.42 | 28.28 | 0.00031 | 134.35 | 35.36 | 0.00028 |
| 127.28 | 42.43 | 0.00025 | 120.21 | 49.50 | 0.00022 |
| 113.14 | 56.57 | 0.00019 | 106.07 | 63.64 | 0.00016 |
| 102.53 | 67.18 | 0.00016 | 98.99 | 70.71 | 0.00015 |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43

**MODELOPTS:

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
*** INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 96.87 | 72.83 | 0.00015 | 95.46 | 74.25 | 0.00014 |
| 94.05 | 75.66 | 0.00014 | 92.63 | 77.07 | 0.00014 |
| 91.22 | 78.49 | 0.00014 | 78.49 | 91.22 | 0.00012 |
| 77.07 | 92.63 | 0.00012 | 75.66 | 94.05 | 0.00012 |
| 74.25 | 95.46 | 0.00012 | 72.83 | 96.87 | 0.00011 |
| 70.71 | 98.99 | 0.00011 | 67.18 | 102.53 | 0.00010 |
| 63.64 | 106.07 | 0.00010 | 56.57 | 113.14 | 0.00009 |
| 49.50 | 120.21 | 0.00009 | 42.43 | 127.28 | 0.00008 |
| 35.36 | 134.35 | 0.00008 | 28.28 | 141.42 | 0.00007 |
| 21.21 | 148.49 | 0.00007 | 14.14 | 155.56 | 0.00007 |
| 148.49 | 7.07 | 0.00045 | 141.42 | 14.14 | 0.00043 |
| 134.35 | 21.21 | 0.00041 | 127.28 | 28.28 | 0.00037 |
| 120.21 | 35.36 | 0.00033 | 113.14 | 42.43 | 0.00028 |
| 106.07 | 49.50 | 0.00024 | 98.99 | 56.57 | 0.00020 |
| 95.46 | 60.10 | 0.00019 | 91.92 | 63.64 | 0.00018 |
| 89.80 | 65.76 | 0.00018 | 88.39 | 67.18 | 0.00017 |
| 86.97 | 68.59 | 0.00017 | 85.56 | 70.00 | 0.00017 |
| 84.15 | 71.42 | 0.00016 | 71.42 | 84.15 | 0.00014 |
| 70.00 | 85.56 | 0.00014 | 68.59 | 86.97 | 0.00014 |
| 67.18 | 88.39 | 0.00013 | 65.76 | 89.80 | 0.00013 |
| 63.64 | 91.92 | 0.00013 | 60.10 | 95.46 | 0.00012 |
| 56.57 | 98.99 | 0.00011 | 49.50 | 106.07 | 0.00011 |
| 42.43 | 113.14 | 0.00010 | 35.36 | 120.21 | 0.00009 |
| 28.28 | 127.28 | 0.00009 | 21.21 | 134.35 | 0.00009 |
| 14.14 | 141.42 | 0.00009 | 7.07 | 148.49 | 0.00008 |
| 141.42 | 0.00 | 0.00057 | 134.35 | 7.07 | 0.00056 |
| 127.28 | 14.14 | 0.00053 | 120.21 | 21.21 | 0.00050 |
| 113.14 | 28.28 | 0.00045 | 106.07 | 35.36 | 0.00039 |
| 98.99 | 42.43 | 0.00033 | 91.92 | 49.50 | 0.00027 |
| 88.39 | 53.03 | 0.00025 | 84.85 | 56.57 | 0.00023 |
| 82.73 | 58.69 | 0.00022 | 81.32 | 60.10 | 0.00022 |
| 79.90 | 61.52 | 0.00021 | 78.49 | 62.93 | 0.00021 |
| 77.07 | 64.35 | 0.00020 | 64.35 | 77.07 | 0.00017 |
| 62.93 | 78.49 | 0.00017 | 61.52 | 79.90 | 0.00016 |
| 60.10 | 81.32 | 0.00016 | 58.69 | 82.73 | 0.00015 |
| 56.57 | 84.85 | 0.00015 | 53.03 | 88.39 | 0.00014 |
| 49.50 | 91.92 | 0.00013 | 42.43 | 98.99 | 0.00012 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|-------|--------|---------|-------|--------|---------|
| 35.36 | 106.07 | 0.00012 | 28.28 | 113.14 | 0.00011 |
| 21.21 | 120.21 | 0.00011 | 14.14 | 127.28 | 0.00011 |
| 7.07 | 134.35 | 0.00010 | 0.00 | 141.42 | 0.00010 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 *** INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 134.35 | -7.07 | 0.00072 | 127.28 | 0.00 | 0.00072 |
| 120.21 | 7.07 | 0.00071 | 113.14 | 14.14 | 0.00068 |
| 106.07 | 21.21 | 0.00062 | 98.99 | 28.28 | 0.00055 |
| 91.92 | 35.36 | 0.00047 | 84.85 | 42.43 | 0.00037 |
| 81.32 | 45.96 | 0.00033 | 77.78 | 49.50 | 0.00030 |
| 75.66 | 51.62 | 0.00029 | 74.25 | 53.03 | 0.00028 |
| 72.83 | 54.45 | 0.00027 | 71.42 | 55.86 | 0.00026 |
| 70.00 | 57.28 | 0.00026 | 57.28 | 70.00 | 0.00021 |
| 55.86 | 71.42 | 0.00020 | 54.45 | 72.83 | 0.00020 |
| 53.03 | 74.25 | 0.00019 | 51.62 | 75.66 | 0.00018 |
| 49.50 | 77.78 | 0.00018 | 45.96 | 81.32 | 0.00017 |
| 42.43 | 84.85 | 0.00016 | 35.36 | 91.92 | 0.00015 |
| 28.28 | 98.99 | 0.00014 | 21.21 | 106.07 | 0.00014 |
| 14.14 | 113.14 | 0.00013 | 7.07 | 120.21 | 0.00013 |
| 0.00 | 127.28 | 0.00013 | -7.07 | 134.35 | 0.00013 |
| 127.28 | -14.14 | 0.00090 | 120.21 | -7.07 | 0.00092 |
| 113.14 | 0.00 | 0.00093 | 106.07 | 7.07 | 0.00092 |
| 98.99 | 14.14 | 0.00089 | 91.92 | 21.21 | 0.00081 |
| 84.85 | 28.28 | 0.00070 | 77.78 | 35.36 | 0.00056 |
| 74.25 | 38.89 | 0.00049 | 70.71 | 42.43 | 0.00043 |
| 68.59 | 44.55 | 0.00039 | 67.18 | 45.96 | 0.00038 |
| 65.76 | 47.38 | 0.00036 | 64.35 | 48.79 | 0.00035 |
| 62.93 | 50.20 | 0.00033 | 50.20 | 62.93 | 0.00026 |
| 48.79 | 64.35 | 0.00025 | 47.38 | 65.76 | 0.00024 |
| 45.96 | 67.18 | 0.00023 | 44.55 | 68.59 | 0.00022 |
| 42.43 | 70.71 | 0.00021 | 38.89 | 74.25 | 0.00020 |
| 35.36 | 77.78 | 0.00019 | 28.28 | 84.85 | 0.00019 |
| 21.21 | 91.92 | 0.00018 | 14.14 | 98.99 | 0.00018 |
| 7.07 | 106.07 | 0.00017 | 0.00 | 113.14 | 0.00017 |
| -7.07 | 120.21 | 0.00016 | -14.14 | 127.28 | 0.00016 |
| 120.21 | -21.21 | 0.00110 | 113.14 | -14.14 | 0.00116 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|-------|---------|-------|-------|---------|
| 106.07 | -7.07 | 0.00121 | 98.99 | 0.00 | 0.00125 |
| 91.92 | 7.07 | 0.00126 | 84.85 | 14.14 | 0.00122 |
| 77.78 | 21.21 | 0.00111 | 70.71 | 28.28 | 0.00093 |
| 67.18 | 31.82 | 0.00081 | 63.64 | 35.36 | 0.00068 |
| 61.52 | 37.48 | 0.00061 | 60.10 | 38.89 | 0.00057 |
| 58.69 | 40.31 | 0.00053 | 57.28 | 41.72 | 0.00049 |
| 55.86 | 43.13 | 0.00047 | 43.13 | 55.86 | 0.00032 |
| 41.72 | 57.28 | 0.00031 | 40.31 | 58.69 | 0.00030 |
| 38.89 | 60.10 | 0.00029 | 37.48 | 61.52 | 0.00028 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3

INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 63.64 | 0.00027 | 31.82 | 67.18 | 0.00026 |
| 28.28 | 70.71 | 0.00025 | 21.21 | 77.78 | 0.00025 |
| 14.14 | 84.85 | 0.00024 | 7.07 | 91.92 | 0.00024 |
| 0.00 | 98.99 | 0.00023 | -7.07 | 106.07 | 0.00022 |
| -14.14 | 113.14 | 0.00020 | -21.21 | 120.21 | 0.00019 |
| 113.14 | -28.28 | 0.00134 | 106.07 | -21.21 | 0.00145 |
| 98.99 | -14.14 | 0.00155 | 91.92 | -7.07 | 0.00166 |
| 84.85 | 0.00 | 0.00174 | 77.78 | 7.07 | 0.00179 |
| 70.71 | 14.14 | 0.00178 | 63.64 | 21.21 | 0.00163 |
| 60.10 | 24.75 | 0.00149 | 56.57 | 28.28 | 0.00128 |
| 54.45 | 30.41 | 0.00114 | 53.03 | 31.82 | 0.00104 |
| 51.62 | 33.23 | 0.00094 | 50.20 | 34.65 | 0.00084 |
| 48.79 | 36.06 | 0.00075 | 36.06 | 48.79 | 0.00042 |
| 34.65 | 50.20 | 0.00040 | 33.23 | 51.62 | 0.00039 |
| 31.82 | 53.03 | 0.00038 | 30.41 | 54.45 | 0.00037 |
| 28.28 | 56.57 | 0.00037 | 24.75 | 60.10 | 0.00036 |
| 21.21 | 63.64 | 0.00036 | 14.14 | 70.71 | 0.00036 |
| 7.07 | 77.78 | 0.00034 | 0.00 | 84.85 | 0.00032 |
| -7.07 | 91.92 | 0.00030 | -14.14 | 98.99 | 0.00028 |
| -21.21 | 106.07 | 0.00025 | -28.28 | 113.14 | 0.00023 |
| 106.07 | -35.36 | 0.00159 | 98.99 | -28.28 | 0.00176 |
| 91.92 | -21.21 | 0.00194 | 84.85 | -14.14 | 0.00213 |
| 77.78 | -7.07 | 0.00234 | 70.71 | 0.00 | 0.00254 |
| 63.64 | 7.07 | 0.00272 | 56.57 | 14.14 | 0.00280 |
| 53.03 | 17.68 | 0.00277 | 49.50 | 21.21 | 0.00265 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 47.38 | 23.33 | 0.00251 | 45.96 | 24.75 | 0.00239 |
| 44.55 | 26.16 | 0.00223 | 43.13 | 27.58 | 0.00203 |
| 41.72 | 28.99 | 0.00178 | 28.99 | 41.72 | 0.00061 |
| 27.58 | 43.13 | 0.00061 | 26.16 | 44.55 | 0.00061 |
| 24.75 | 45.96 | 0.00061 | 23.33 | 47.38 | 0.00061 |
| 21.21 | 49.50 | 0.00061 | 17.68 | 53.03 | 0.00060 |
| 14.14 | 56.57 | 0.00058 | 7.07 | 63.64 | 0.00053 |
| 0.00 | 70.71 | 0.00048 | -7.07 | 77.78 | 0.00043 |
| -14.14 | 84.85 | 0.00039 | -21.21 | 91.92 | 0.00035 |
| -28.28 | 98.99 | 0.00031 | -35.36 | 106.07 | 0.00028 |
| 98.99 | -42.43 | 0.00182 | 91.92 | -35.36 | 0.00204 |
| 84.85 | -28.28 | 0.00230 | 77.78 | -21.21 | 0.00259 |
| 70.71 | -14.14 | 0.00292 | 63.64 | -7.07 | 0.00329 |
| 56.57 | 0.00 | 0.00369 | 49.50 | 7.07 | 0.00408 |
| 45.96 | 10.61 | 0.00425 | 42.43 | 14.14 | 0.00435 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3

INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.31 | 16.26 | 0.00438 | 38.89 | 17.68 | 0.00437 |
| 37.48 | 19.09 | 0.00436 | 36.06 | 20.51 | 0.00435 |
| 34.65 | 21.92 | 0.00433 | 21.92 | 34.65 | 0.00120 |
| 20.51 | 36.06 | 0.00114 | 19.09 | 37.48 | 0.00110 |
| 17.68 | 38.89 | 0.00107 | 16.26 | 40.31 | 0.00104 |
| 14.14 | 42.43 | 0.00100 | 10.61 | 45.96 | 0.00093 |
| 7.07 | 49.50 | 0.00087 | 0.00 | 56.57 | 0.00075 |
| -7.07 | 63.64 | 0.00064 | -14.14 | 70.71 | 0.00056 |
| -21.21 | 77.78 | 0.00049 | -28.28 | 84.85 | 0.00043 |
| -35.36 | 91.92 | 0.00038 | -42.43 | 98.99 | 0.00034 |
| 91.92 | -49.50 | 0.00201 | 84.85 | -42.43 | 0.00228 |
| 77.78 | -35.36 | 0.00259 | 70.71 | -28.28 | 0.00296 |
| 63.64 | -21.21 | 0.00339 | 56.57 | -14.14 | 0.00387 |
| 49.50 | -7.07 | 0.00439 | 42.43 | 0.00 | 0.00488 |
| 38.89 | 3.54 | 0.00507 | 35.36 | 7.07 | 0.00518 |
| 33.23 | 9.19 | 0.00518 | 31.82 | 10.61 | 0.00514 |
| 30.41 | 12.02 | 0.00508 | 28.99 | 13.44 | 0.00500 |
| 27.58 | 14.85 | 0.00491 | 14.85 | 27.58 | 0.00146 |
| 13.44 | 28.99 | 0.00142 | 12.02 | 30.41 | 0.00138 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 10.61 | 31.82 | 0.00135 | 9.19 | 33.23 | 0.00132 |
| 7.07 | 35.36 | 0.00128 | 3.54 | 38.89 | 0.00119 |
| 0.00 | 42.43 | 0.00110 | -7.07 | 49.50 | 0.00093 |
| -14.14 | 56.57 | 0.00079 | -21.21 | 63.64 | 0.00067 |
| -28.28 | 70.71 | 0.00058 | -35.36 | 77.78 | 0.00050 |
| -42.43 | 84.85 | 0.00044 | -49.50 | 91.92 | 0.00038 |
| 84.85 | -56.57 | 0.00214 | 77.78 | -49.50 | 0.00244 |
| 70.71 | -42.43 | 0.00280 | 63.64 | -35.36 | 0.00322 |
| 56.57 | -28.28 | 0.00370 | 49.50 | -21.21 | 0.00424 |
| 42.43 | -14.14 | 0.00481 | 35.36 | -7.07 | 0.00531 |
| 31.82 | -3.54 | 0.00547 | 28.28 | 0.00 | 0.00552 |
| 26.16 | 2.12 | 0.00548 | 24.75 | 3.54 | 0.00542 |
| 23.33 | 4.95 | 0.00533 | 21.92 | 6.36 | 0.00521 |
| 20.51 | 7.78 | 0.00510 | 7.78 | 20.51 | 0.00159 |
| 6.36 | 21.92 | 0.00155 | 4.95 | 23.33 | 0.00152 |
| 3.54 | 24.75 | 0.00149 | 2.12 | 26.16 | 0.00147 |
| 0.00 | 28.28 | 0.00143 | -3.54 | 31.82 | 0.00135 |
| -7.07 | 35.36 | 0.00126 | -14.14 | 42.43 | 0.00108 |
| -21.21 | 49.50 | 0.00091 | -28.28 | 56.57 | 0.00077 |
| -35.36 | 63.64 | 0.00065 | -42.43 | 70.71 | 0.00056 |
| -49.50 | 77.78 | 0.00049 | -56.57 | 84.85 | 0.00042 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 *** INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 77.78 | -63.64 | 0.00220 | 70.71 | -56.57 | 0.00253 |
| 63.64 | -49.50 | 0.00291 | 56.57 | -42.43 | 0.00336 |
| 49.50 | -35.36 | 0.00387 | 42.43 | -28.28 | 0.00445 |
| 35.36 | -21.21 | 0.00504 | 28.28 | -14.14 | 0.00552 |
| 24.75 | -10.61 | 0.00566 | 21.21 | -7.07 | 0.00568 |
| 19.09 | -4.95 | 0.00562 | 17.68 | -3.54 | 0.00555 |
| 16.26 | -2.12 | 0.00546 | 14.85 | -0.71 | 0.00533 |
| 13.44 | 0.71 | 0.00521 | 0.71 | 13.44 | 0.00166 |
| -0.71 | 14.85 | 0.00163 | -2.12 | 16.26 | 0.00160 |
| -3.54 | 17.68 | 0.00158 | -4.95 | 19.09 | 0.00156 |
| -7.07 | 21.21 | 0.00152 | -10.61 | 24.75 | 0.00144 |
| -14.14 | 28.28 | 0.00136 | -21.21 | 35.36 | 0.00118 |
| -28.28 | 42.43 | 0.00100 | -35.36 | 49.50 | 0.00085 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -42.43 | 56.57 | 0.00072 | -49.50 | 63.64 | 0.00061 |
| -56.57 | 70.71 | 0.00053 | -63.64 | 77.78 | 0.00046 |
| 70.71 | -70.71 | 0.00220 | 63.64 | -63.64 | 0.00253 |
| 56.57 | -56.57 | 0.00291 | 49.50 | -49.50 | 0.00338 |
| 42.43 | -42.43 | 0.00391 | 35.36 | -35.36 | 0.00450 |
| 28.28 | -28.28 | 0.00510 | 21.21 | -21.21 | 0.00558 |
| 17.68 | -17.68 | 0.00572 | 14.14 | -14.14 | 0.00574 |
| 12.02 | -12.02 | 0.00568 | 10.61 | -10.61 | 0.00561 |
| 9.19 | -9.19 | 0.00551 | 7.78 | -7.78 | 0.00539 |
| 6.36 | -6.36 | 0.00526 | -6.36 | 6.36 | 0.00171 |
| -7.78 | 7.78 | 0.00167 | -9.19 | 9.19 | 0.00165 |
| -10.61 | 10.61 | 0.00163 | -12.02 | 12.02 | 0.00161 |
| -14.14 | 14.14 | 0.00157 | -17.68 | 17.68 | 0.00150 |
| -21.21 | 21.21 | 0.00142 | -28.28 | 28.28 | 0.00124 |
| -35.36 | 35.36 | 0.00106 | -42.43 | 42.43 | 0.00090 |
| -49.50 | 49.50 | 0.00076 | -56.57 | 56.57 | 0.00065 |
| -63.64 | 63.64 | 0.00055 | -70.71 | 70.71 | 0.00048 |
| 63.64 | -77.78 | 0.00214 | 56.57 | -70.71 | 0.00245 |
| 49.50 | -63.64 | 0.00283 | 42.43 | -56.57 | 0.00328 |
| 35.36 | -49.50 | 0.00380 | 28.28 | -42.43 | 0.00438 |
| 21.21 | -35.36 | 0.00499 | 14.14 | -28.28 | 0.00550 |
| 10.61 | -24.75 | 0.00567 | 7.07 | -21.21 | 0.00571 |
| 4.95 | -19.09 | 0.00567 | 3.54 | -17.68 | 0.00560 |
| 2.12 | -16.26 | 0.00551 | 0.71 | -14.85 | 0.00539 |
| -0.71 | -13.44 | 0.00526 | -13.44 | -0.71 | 0.00172 |
| -14.85 | 0.71 | 0.00169 | -16.26 | 2.12 | 0.00167 |
| -17.68 | 3.54 | 0.00165 | -19.09 | 4.95 | 0.00163 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 73
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 *** INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -21.21 | 7.07 | 0.00160 | -24.75 | 10.61 | 0.00153 |
| -28.28 | 14.14 | 0.00145 | -35.36 | 21.21 | 0.00126 |
| -42.43 | 28.28 | 0.00108 | -49.50 | 35.36 | 0.00092 |
| -56.57 | 42.43 | 0.00078 | -63.64 | 49.50 | 0.00067 |
| -70.71 | 56.57 | 0.00057 | -77.78 | 63.64 | 0.00049 |
| 56.57 | -84.85 | 0.00202 | 49.50 | -77.78 | 0.00231 |
| 42.43 | -70.71 | 0.00265 | 35.36 | -63.64 | 0.00306 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 28.28 | -56.57 | 0.00353 | 21.21 | -49.50 | 0.00407 |
| 14.14 | -42.43 | 0.00466 | 7.07 | -35.36 | 0.00522 |
| 3.54 | -31.82 | 0.00542 | 0.00 | -28.28 | 0.00553 |
| -2.12 | -26.16 | 0.00552 | -3.54 | -24.75 | 0.00548 |
| -4.95 | -23.33 | 0.00541 | -6.36 | -21.92 | 0.00530 |
| -7.78 | -20.51 | 0.00518 | -20.51 | -7.78 | 0.00171 |
| -21.92 | -6.36 | 0.00167 | -23.33 | -4.95 | 0.00165 |
| -24.75 | -3.54 | 0.00164 | -26.16 | -2.12 | 0.00162 |
| -28.28 | 0.00 | 0.00159 | -31.82 | 3.54 | 0.00152 |
| -35.36 | 7.07 | 0.00144 | -42.43 | 14.14 | 0.00125 |
| -49.50 | 21.21 | 0.00106 | -56.57 | 28.28 | 0.00090 |
| -63.64 | 35.36 | 0.00077 | -70.71 | 42.43 | 0.00066 |
| -77.78 | 49.50 | 0.00057 | -84.85 | 56.57 | 0.00049 |
| 49.50 | -91.92 | 0.00184 | 42.43 | -84.85 | 0.00208 |
| 35.36 | -77.78 | 0.00237 | 28.28 | -70.71 | 0.00271 |
| 21.21 | -63.64 | 0.00311 | 14.14 | -56.57 | 0.00356 |
| 7.07 | -49.50 | 0.00405 | 0.00 | -42.43 | 0.00456 |
| -3.54 | -38.89 | 0.00480 | -7.07 | -35.36 | 0.00498 |
| -9.19 | -33.23 | 0.00505 | -10.61 | -31.82 | 0.00506 |
| -12.02 | -30.41 | 0.00505 | -13.44 | -28.99 | 0.00500 |
| -14.85 | -27.58 | 0.00494 | -27.58 | -14.85 | 0.00165 |
| -28.99 | -13.44 | 0.00162 | -30.41 | -12.02 | 0.00160 |
| -31.82 | -10.61 | 0.00158 | -33.23 | -9.19 | 0.00156 |
| -35.36 | -7.07 | 0.00153 | -38.89 | -3.54 | 0.00145 |
| -42.43 | 0.00 | 0.00136 | -49.50 | 7.07 | 0.00118 |
| -56.57 | 14.14 | 0.00100 | -63.64 | 21.21 | 0.00085 |
| -70.71 | 28.28 | 0.00073 | -77.78 | 35.36 | 0.00063 |
| -84.85 | 42.43 | 0.00055 | -91.92 | 49.50 | 0.00047 |
| 42.43 | -98.99 | 0.00162 | 35.36 | -91.92 | 0.00181 |
| 28.28 | -84.85 | 0.00203 | 21.21 | -77.78 | 0.00227 |
| 14.14 | -70.71 | 0.00255 | 7.07 | -63.64 | 0.00284 |
| 0.00 | -56.57 | 0.00315 | -7.07 | -49.50 | 0.00343 |
| -10.61 | -45.96 | 0.00355 | -14.14 | -42.43 | 0.00366 |

1 *** ISCST3 - VERSION 02035 *** ** NCRA Cumulative DPM Impacts ***
 04/20/08
 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 *** INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -16.26 | -40.31 | 0.00371 | -17.68 | -38.89 | 0.00375 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -19.09 | -37.48 | 0.00379 | -20.51 | -36.06 | 0.00385 |
| -21.92 | -34.65 | 0.00393 | -34.65 | -21.92 | 0.00148 |
| -36.06 | -20.51 | 0.00144 | -37.48 | -19.09 | 0.00140 |
| -38.89 | -17.68 | 0.00138 | -40.31 | -16.26 | 0.00135 |
| -42.43 | -14.14 | 0.00131 | -45.96 | -10.61 | 0.00125 |
| -49.50 | -7.07 | 0.00118 | -56.57 | 0.00 | 0.00103 |
| -63.64 | 7.07 | 0.00089 | -70.71 | 14.14 | 0.00077 |
| -77.78 | 21.21 | 0.00067 | -84.85 | 28.28 | 0.00058 |
| -91.92 | 35.36 | 0.00051 | -98.99 | 42.43 | 0.00045 |
| 35.36 | -106.07 | 0.00139 | 28.28 | -98.99 | 0.00152 |
| 21.21 | -91.92 | 0.00167 | 14.14 | -84.85 | 0.00182 |
| 7.07 | -77.78 | 0.00197 | 0.00 | -70.71 | 0.00211 |
| -7.07 | -63.64 | 0.00219 | -14.14 | -56.57 | 0.00217 |
| -17.68 | -53.03 | 0.00210 | -21.21 | -49.50 | 0.00197 |
| -23.33 | -47.38 | 0.00186 | -24.75 | -45.96 | 0.00177 |
| -26.16 | -44.55 | 0.00167 | -27.58 | -43.13 | 0.00156 |
| -28.99 | -41.72 | 0.00143 | -41.72 | -28.99 | 0.00091 |
| -43.13 | -27.58 | 0.00092 | -44.55 | -26.16 | 0.00093 |
| -45.96 | -24.75 | 0.00093 | -47.38 | -23.33 | 0.00094 |
| -49.50 | -21.21 | 0.00094 | -53.03 | -17.68 | 0.00093 |
| -56.57 | -14.14 | 0.00091 | -63.64 | -7.07 | 0.00083 |
| -70.71 | 0.00 | 0.00075 | -77.78 | 7.07 | 0.00066 |
| -84.85 | 14.14 | 0.00058 | -91.92 | 21.21 | 0.00052 |
| -98.99 | 28.28 | 0.00046 | -106.07 | 35.36 | 0.00041 |
| 28.28 | -113.14 | 0.00117 | 21.21 | -106.07 | 0.00126 |
| 14.14 | -98.99 | 0.00134 | 7.07 | -91.92 | 0.00142 |
| 0.00 | -84.85 | 0.00149 | -7.07 | -77.78 | 0.00152 |
| -14.14 | -70.71 | 0.00149 | -21.21 | -63.64 | 0.00138 |
| -24.75 | -60.10 | 0.00128 | -28.28 | -56.57 | 0.00115 |
| -30.41 | -54.45 | 0.00107 | -31.82 | -53.03 | 0.00101 |
| -33.23 | -51.62 | 0.00096 | -34.65 | -50.20 | 0.00090 |
| -36.06 | -48.79 | 0.00085 | -48.79 | -36.06 | 0.00065 |
| -50.20 | -34.65 | 0.00065 | -51.62 | -33.23 | 0.00065 |
| -53.03 | -31.82 | 0.00066 | -54.45 | -30.41 | 0.00066 |
| -56.57 | -28.28 | 0.00067 | -60.10 | -24.75 | 0.00068 |
| -63.64 | -21.21 | 0.00069 | -70.71 | -14.14 | 0.00067 |
| -77.78 | -7.07 | 0.00062 | -84.85 | 0.00 | 0.00056 |
| -91.92 | 7.07 | 0.00050 | -98.99 | 14.14 | 0.00045 |
| -106.07 | 21.21 | 0.00041 | -113.14 | 28.28 | 0.00037 |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

INCLUDING SOURCE(S) : NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| | | ** CONC OF OTHER | IN MICROGRAMS/M**3 | | | |
|-------------|-------------|------------------|--------------------|-------------|---------|--|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC | |
| 21.21 | -120.21 | 0.00097 | 14.14 | -113.14 | 0.00103 | |
| 7.07 | -106.07 | 0.00107 | 0.00 | -98.99 | 0.00111 | |
| -7.07 | -91.92 | 0.00112 | -14.14 | -84.85 | 0.00111 | |
| -21.21 | -77.78 | 0.00105 | -28.28 | -70.71 | 0.00093 | |
| -31.82 | -67.18 | 0.00086 | -35.36 | -63.64 | 0.00080 | |
| -37.48 | -61.52 | 0.00076 | -38.89 | -60.10 | 0.00073 | |
| -40.31 | -58.69 | 0.00070 | -41.72 | -57.28 | 0.00067 | |
| -43.13 | -55.86 | 0.00064 | -55.86 | -43.13 | 0.00052 | |
| -57.28 | -41.72 | 0.00052 | -58.69 | -40.31 | 0.00052 | |
| -60.10 | -38.89 | 0.00052 | -61.52 | -37.48 | 0.00052 | |
| -63.64 | -35.36 | 0.00052 | -67.18 | -31.82 | 0.00052 | |
| -70.71 | -28.28 | 0.00052 | -77.78 | -21.21 | 0.00052 | |
| -84.85 | -14.14 | 0.00050 | -91.92 | -7.07 | 0.00047 | |
| -98.99 | 0.00 | 0.00043 | -106.07 | 7.07 | 0.00040 | |
| -113.14 | 14.14 | 0.00036 | -120.21 | 21.21 | 0.00033 | |
| 14.14 | -127.28 | 0.00081 | 7.07 | -120.21 | 0.00084 | |
| 0.00 | -113.14 | 0.00086 | -7.07 | -106.07 | 0.00086 | |
| -14.14 | -98.99 | 0.00085 | -21.21 | -91.92 | 0.00082 | |
| -28.28 | -84.85 | 0.00076 | -35.36 | -77.78 | 0.00068 | |
| -38.89 | -74.25 | 0.00065 | -42.43 | -70.71 | 0.00061 | |
| -44.55 | -68.59 | 0.00059 | -45.96 | -67.18 | 0.00057 | |
| -47.38 | -65.76 | 0.00055 | -48.79 | -64.35 | 0.00053 | |
| -50.20 | -62.93 | 0.00051 | -62.93 | -50.20 | 0.00043 | |
| -64.35 | -48.79 | 0.00043 | -65.76 | -47.38 | 0.00043 | |
| -67.18 | -45.96 | 0.00042 | -68.59 | -44.55 | 0.00042 | |
| -70.71 | -42.43 | 0.00042 | -74.25 | -38.89 | 0.00042 | |
| -77.78 | -35.36 | 0.00042 | -84.85 | -28.28 | 0.00042 | |
| -91.92 | -21.21 | 0.00040 | -98.99 | -14.14 | 0.00039 | |
| -106.07 | -7.07 | 0.00037 | -113.14 | 0.00 | 0.00034 | |
| -120.21 | 7.07 | 0.00032 | -127.28 | 14.14 | 0.00029 | |
| 7.07 | -134.35 | 0.00067 | 0.00 | -127.28 | 0.00068 | |
| -7.07 | -120.21 | 0.00069 | -14.14 | -113.14 | 0.00068 | |
| -21.21 | -106.07 | 0.00065 | -28.28 | -98.99 | 0.00062 | |
| -35.36 | -91.92 | 0.00057 | -42.43 | -84.85 | 0.00053 | |
| -45.96 | -81.32 | 0.00051 | -49.50 | -77.78 | 0.00049 | |
| -51.62 | -75.66 | 0.00047 | -53.03 | -74.25 | 0.00046 | |
| -54.45 | -72.83 | 0.00044 | -55.86 | -71.42 | 0.00043 | |
| -57.28 | -70.00 | 0.00041 | -70.00 | -57.28 | 0.00036 | |
| -71.42 | -55.86 | 0.00036 | -72.83 | -54.45 | 0.00036 | |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

-74.25 -53.03 0.00035 -75.66 -51.62 0.00035

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -77.78 | -49.50 | 0.00035 | -81.32 | -45.96 | 0.00035 |
| -84.85 | -42.43 | 0.00035 | -91.92 | -35.36 | 0.00034 |
| -98.99 | -28.28 | 0.00033 | -106.07 | -21.21 | 0.00032 |
| -113.14 | -14.14 | 0.00031 | -120.21 | -7.07 | 0.00029 |
| -127.28 | 0.00 | 0.00028 | -134.35 | 7.07 | 0.00026 |
| 0.00 | -141.42 | 0.00056 | -7.07 | -134.35 | 0.00056 |
| -14.14 | -127.28 | 0.00055 | -21.21 | -120.21 | 0.00053 |
| -28.28 | -113.14 | 0.00051 | -35.36 | -106.07 | 0.00048 |
| -42.43 | -98.99 | 0.00046 | -49.50 | -91.92 | 0.00043 |
| -53.03 | -88.39 | 0.00042 | -56.57 | -84.85 | 0.00040 |
| -58.69 | -82.73 | 0.00039 | -60.10 | -81.32 | 0.00037 |
| -61.52 | -79.90 | 0.00036 | -62.93 | -78.49 | 0.00035 |
| -64.35 | -77.07 | 0.00034 | -77.07 | -64.35 | 0.00031 |
| -78.49 | -62.93 | 0.00031 | -79.90 | -61.52 | 0.00030 |
| -81.32 | -60.10 | 0.00030 | -82.73 | -58.69 | 0.00030 |
| -84.85 | -56.57 | 0.00029 | -88.39 | -53.03 | 0.00029 |
| -91.92 | -49.50 | 0.00029 | -98.99 | -42.43 | 0.00029 |
| -106.07 | -35.36 | 0.00028 | -113.14 | -28.28 | 0.00027 |
| -120.21 | -21.21 | 0.00026 | -127.28 | -14.14 | 0.00025 |
| -134.35 | -7.07 | 0.00024 | -141.42 | 0.00 | 0.00023 |
| -7.07 | -148.49 | 0.00046 | -14.14 | -141.42 | 0.00046 |
| -21.21 | -134.35 | 0.00045 | -28.28 | -127.28 | 0.00043 |
| -35.36 | -120.21 | 0.00041 | -42.43 | -113.14 | 0.00039 |
| -49.50 | -106.07 | 0.00038 | -56.57 | -98.99 | 0.00036 |
| -60.10 | -95.46 | 0.00035 | -63.64 | -91.92 | 0.00033 |
| -65.76 | -89.80 | 0.00032 | -67.18 | -88.39 | 0.00031 |
| -68.59 | -86.97 | 0.00030 | -70.00 | -85.56 | 0.00029 |
| -71.42 | -84.15 | 0.00028 | -84.15 | -71.42 | 0.00026 |
| -85.56 | -70.00 | 0.00026 | -86.97 | -68.59 | 0.00026 |
| -88.39 | -67.18 | 0.00026 | -89.80 | -65.76 | 0.00026 |
| -91.92 | -63.64 | 0.00025 | -95.46 | -60.10 | 0.00025 |
| -98.99 | -56.57 | 0.00025 | -106.07 | -49.50 | 0.00025 |
| -113.14 | -42.43 | 0.00024 | -120.21 | -35.36 | 0.00024 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -127.28 | -28.28 | 0.00023 | -134.35 | -21.21 | 0.00022 |
| -141.42 | -14.14 | 0.00021 | -148.49 | -7.07 | 0.00020 |
| -14.14 | -155.56 | 0.00039 | -21.21 | -148.49 | 0.00038 |
| -28.28 | -141.42 | 0.00037 | -35.36 | -134.35 | 0.00035 |
| -42.43 | -127.28 | 0.00034 | -49.50 | -120.21 | 0.00033 |
| -56.57 | -113.14 | 0.00032 | -63.64 | -106.07 | 0.00030 |
| -67.18 | -102.53 | 0.00029 | -70.71 | -98.99 | 0.00028 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3

INCLUDING SOURCE(S) : NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -72.83 | -96.87 | 0.00027 | -74.25 | -95.46 | 0.00026 |
| -75.66 | -94.05 | 0.00025 | -77.07 | -92.63 | 0.00025 |
| -78.49 | -91.22 | 0.00024 | -91.22 | -78.49 | 0.00023 |
| -92.63 | -77.07 | 0.00023 | -94.05 | -75.66 | 0.00023 |
| -95.46 | -74.25 | 0.00022 | -96.87 | -72.83 | 0.00022 |
| -98.99 | -70.71 | 0.00022 | -102.53 | -67.18 | 0.00021 |
| -106.07 | -63.64 | 0.00021 | -113.14 | -56.57 | 0.00021 |
| -120.21 | -49.50 | 0.00021 | -127.28 | -42.43 | 0.00021 |
| -134.35 | -35.36 | 0.00020 | -141.42 | -28.28 | 0.00019 |
| -148.49 | -21.21 | 0.00018 | -155.56 | -14.14 | 0.00017 |
| -21.21 | -162.63 | 0.00032 | -28.28 | -155.56 | 0.00031 |
| -35.36 | -148.49 | 0.00030 | -42.43 | -141.42 | 0.00029 |
| -49.50 | -134.35 | 0.00029 | -56.57 | -127.28 | 0.00028 |
| -63.64 | -120.21 | 0.00027 | -70.71 | -113.14 | 0.00026 |
| -74.25 | -109.60 | 0.00025 | -77.78 | -106.07 | 0.00024 |
| -79.90 | -103.94 | 0.00023 | -81.32 | -102.53 | 0.00022 |
| -82.73 | -101.12 | 0.00022 | -84.15 | -99.70 | 0.00021 |
| -85.56 | -98.29 | 0.00021 | -98.29 | -85.56 | 0.00020 |
| -99.70 | -84.15 | 0.00020 | -101.12 | -82.73 | 0.00020 |
| -102.53 | -81.32 | 0.00020 | -103.94 | -79.90 | 0.00019 |
| -106.07 | -77.78 | 0.00019 | -109.60 | -74.25 | 0.00019 |
| -113.14 | -70.71 | 0.00018 | -120.21 | -63.64 | 0.00018 |
| -127.28 | -56.57 | 0.00018 | -134.35 | -49.50 | 0.00018 |
| -141.42 | -42.43 | 0.00018 | -148.49 | -35.36 | 0.00017 |
| -155.56 | -28.28 | 0.00016 | -162.63 | -21.21 | 0.00015 |
| -28.28 | -169.71 | 0.00027 | -35.36 | -162.63 | 0.00027 |
| -42.43 | -155.56 | 0.00026 | -49.50 | -148.49 | 0.00025 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -56.57 | -141.42 | 0.00025 | -63.64 | -134.35 | 0.00024 |
| -70.71 | -127.28 | 0.00023 | -77.78 | -120.21 | 0.00022 |
| -81.32 | -116.67 | 0.00021 | -84.85 | -113.14 | 0.00020 |
| -86.97 | -111.02 | 0.00020 | -88.39 | -109.60 | 0.00019 |
| -89.80 | -108.19 | 0.00019 | -91.22 | -106.77 | 0.00018 |
| -92.63 | -105.36 | 0.00018 | -105.36 | -92.63 | 0.00017 |
| -106.77 | -91.22 | 0.00017 | -108.19 | -89.80 | 0.00017 |
| -109.60 | -88.39 | 0.00017 | -111.02 | -86.97 | 0.00017 |
| -113.14 | -84.85 | 0.00017 | -116.67 | -81.32 | 0.00017 |
| -120.21 | -77.78 | 0.00016 | -127.28 | -70.71 | 0.00016 |
| -134.35 | -63.64 | 0.00016 | -141.42 | -56.57 | 0.00016 |
| -148.49 | -49.50 | 0.00016 | -155.56 | -42.43 | 0.00015 |
| -162.63 | -35.36 | 0.00015 | -169.71 | -28.28 | 0.00014 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 *** INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -176.78 | 0.00023 | -42.43 | -169.71 | 0.00023 |
| -49.50 | -162.63 | 0.00022 | -56.57 | -155.56 | 0.00022 |
| -63.64 | -148.49 | 0.00021 | -70.71 | -141.42 | 0.00021 |
| -77.78 | -134.35 | 0.00020 | -84.85 | -127.28 | 0.00019 |
| -88.39 | -123.74 | 0.00018 | -91.92 | -120.21 | 0.00018 |
| -94.05 | -118.09 | 0.00017 | -95.46 | -116.67 | 0.00017 |
| -96.87 | -115.26 | 0.00016 | -98.29 | -113.84 | 0.00016 |
| -99.70 | -112.43 | 0.00016 | -112.43 | -99.70 | 0.00015 |
| -113.84 | -98.29 | 0.00015 | -115.26 | -96.87 | 0.00015 |
| -116.67 | -95.46 | 0.00015 | -118.09 | -94.05 | 0.00015 |
| -120.21 | -91.92 | 0.00015 | -123.74 | -88.39 | 0.00015 |
| -127.28 | -84.85 | 0.00014 | -134.35 | -77.78 | 0.00014 |
| -141.42 | -70.71 | 0.00014 | -148.49 | -63.64 | 0.00014 |
| -155.56 | -56.57 | 0.00014 | -162.63 | -49.50 | 0.00014 |
| -169.71 | -42.43 | 0.00013 | -176.78 | -35.36 | 0.00013 |
| -42.43 | -183.85 | 0.00020 | -49.50 | -176.78 | 0.00020 |
| -56.57 | -169.71 | 0.00019 | -63.64 | -162.63 | 0.00019 |
| -70.71 | -155.56 | 0.00019 | -77.78 | -148.49 | 0.00019 |
| -84.85 | -141.42 | 0.00018 | -91.92 | -134.35 | 0.00017 |
| -95.46 | -130.81 | 0.00016 | -98.99 | -127.28 | 0.00015 |
| -101.12 | -125.16 | 0.00015 | -102.53 | -123.74 | 0.00015 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -103.94 | -122.33 | 0.00014 | -105.36 | -120.92 | 0.00014 |
| -106.77 | -119.50 | 0.00014 | -119.50 | -106.77 | 0.00014 |
| -120.92 | -105.36 | 0.00014 | -122.33 | -103.94 | 0.00014 |
| -123.74 | -102.53 | 0.00014 | -125.16 | -101.12 | 0.00014 |
| -127.28 | -98.99 | 0.00013 | -130.81 | -95.46 | 0.00013 |
| -134.35 | -91.92 | 0.00013 | -141.42 | -84.85 | 0.00012 |
| -148.49 | -77.78 | 0.00012 | -155.56 | -70.71 | 0.00012 |
| -162.63 | -63.64 | 0.00012 | -169.71 | -56.57 | 0.00012 |
| -176.78 | -49.50 | 0.00012 | -183.85 | -42.43 | 0.00012 |
| -49.50 | -190.92 | 0.00018 | -56.57 | -183.85 | 0.00018 |
| -63.64 | -176.78 | 0.00017 | -70.71 | -169.71 | 0.00017 |
| -77.78 | -162.63 | 0.00017 | -84.85 | -155.56 | 0.00016 |
| -91.92 | -148.49 | 0.00016 | -98.99 | -141.42 | 0.00015 |
| -102.53 | -137.89 | 0.00014 | -106.07 | -134.35 | 0.00014 |
| -108.19 | -132.23 | 0.00013 | -109.60 | -130.81 | 0.00013 |
| -111.02 | -129.40 | 0.00013 | -112.43 | -127.99 | 0.00013 |
| -113.84 | -126.57 | 0.00012 | -126.57 | -113.84 | 0.00012 |
| -127.99 | -112.43 | 0.00012 | -129.40 | -111.02 | 0.00012 |
| -130.81 | -109.60 | 0.00012 | -132.23 | -108.19 | 0.00012 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at NE/SW Bound Direction ***

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3

INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -134.35 | -106.07 | 0.00012 | -137.89 | -102.53 | 0.00012 |
| -141.42 | -98.99 | 0.00012 | -148.49 | -91.92 | 0.00011 |
| -155.56 | -84.85 | 0.00011 | -162.63 | -77.78 | 0.00011 |
| -169.71 | -70.71 | 0.00011 | -176.78 | -63.64 | 0.00011 |
| -183.85 | -56.57 | 0.00011 | -190.92 | -49.50 | 0.00011 |
| -56.57 | -197.99 | 0.00016 | -63.64 | -190.92 | 0.00016 |
| -70.71 | -183.85 | 0.00015 | -77.78 | -176.78 | 0.00015 |
| -84.85 | -169.71 | 0.00015 | -91.92 | -162.63 | 0.00015 |
| -98.99 | -155.56 | 0.00014 | -106.07 | -148.49 | 0.00013 |
| -109.60 | -144.96 | 0.00013 | -113.14 | -141.42 | 0.00012 |
| -115.26 | -139.30 | 0.00012 | -116.67 | -137.89 | 0.00012 |
| -118.09 | -136.47 | 0.00011 | -119.50 | -135.06 | 0.00011 |
| -120.92 | -133.64 | 0.00011 | -133.64 | -120.92 | 0.00011 |
| -135.06 | -119.50 | 0.00011 | -136.47 | -118.09 | 0.00011 |
| -137.89 | -116.67 | 0.00011 | -139.30 | -115.26 | 0.00011 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -141.42 | -113.14 | 0.00011 | -144.96 | -109.60 | 0.00011 |
| -148.49 | -106.07 | 0.00011 | -155.56 | -98.99 | 0.00010 |
| -162.63 | -91.92 | 0.00010 | -169.71 | -84.85 | 0.00010 |
| -176.78 | -77.78 | 0.00010 | -183.85 | -70.71 | 0.00010 |
| -190.92 | -63.64 | 0.00010 | -197.99 | -56.57 | 0.00010 |
| -63.64 | -205.06 | 0.00014 | -70.71 | -197.99 | 0.00014 |
| -77.78 | -190.92 | 0.00014 | -84.85 | -183.85 | 0.00014 |
| -91.92 | -176.78 | 0.00014 | -98.99 | -169.71 | 0.00013 |
| -106.07 | -162.63 | 0.00013 | -113.14 | -155.56 | 0.00012 |
| -116.67 | -152.03 | 0.00011 | -120.21 | -148.49 | 0.00011 |
| -122.33 | -146.37 | 0.00011 | -123.74 | -144.96 | 0.00010 |
| -125.16 | -143.54 | 0.00010 | -126.57 | -142.13 | 0.00010 |
| -127.99 | -140.71 | 0.00010 | -140.71 | -127.99 | 0.00010 |
| -142.13 | -126.57 | 0.00010 | -143.54 | -125.16 | 0.00010 |
| -144.96 | -123.74 | 0.00010 | -146.37 | -122.33 | 0.00010 |
| -148.49 | -120.21 | 0.00010 | -152.03 | -116.67 | 0.00010 |
| -155.56 | -113.14 | 0.00010 | -162.63 | -106.07 | 0.00009 |
| -169.71 | -98.99 | 0.00009 | -176.78 | -91.92 | 0.00009 |
| -183.85 | -84.85 | 0.00009 | -190.92 | -77.78 | 0.00009 |
| -197.99 | -70.71 | 0.00009 | -205.06 | -63.64 | 0.00009 |
| -70.71 | -212.13 | 0.00013 | -77.78 | -205.06 | 0.00013 |
| -84.85 | -197.99 | 0.00013 | -91.92 | -190.92 | 0.00012 |
| -98.99 | -183.85 | 0.00012 | -106.07 | -176.78 | 0.00012 |
| -113.14 | -169.71 | 0.00011 | -120.21 | -162.63 | 0.00011 |
| -123.74 | -159.10 | 0.00010 | -127.28 | -155.56 | 0.00010 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** *** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 INCLUDING SOURCE(S) : NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40 | -153.44 | 0.00010 | -130.81 | -152.03 | 0.00009 |
| -132.23 | -150.61 | 0.00009 | -133.64 | -149.20 | 0.00009 |
| -135.06 | -147.79 | 0.00009 | -147.79 | -135.06 | 0.00009 |
| -149.20 | -133.64 | 0.00009 | -150.61 | -132.23 | 0.00009 |
| -152.03 | -130.81 | 0.00009 | -153.44 | -129.40 | 0.00009 |
| -155.56 | -127.28 | 0.00009 | -159.10 | -123.74 | 0.00009 |
| -162.63 | -120.21 | 0.00009 | -169.71 | -113.14 | 0.00008 |
| -176.78 | -106.07 | 0.00008 | -183.85 | -98.99 | 0.00008 |
| -190.92 | -91.92 | 0.00008 | -197.99 | -84.85 | 0.00008 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -205.06 | -77.78 | 0.00008 | -212.13 | -70.71 | 0.00008 |
| -77.78 | -219.20 | 0.00012 | -84.85 | -212.13 | 0.00012 |
| -91.92 | -205.06 | 0.00011 | -98.99 | -197.99 | 0.00011 |
| -106.07 | -190.92 | 0.00011 | -113.14 | -183.85 | 0.00011 |
| -120.21 | -176.78 | 0.00010 | -127.28 | -169.71 | 0.00010 |
| -130.81 | -166.17 | 0.00009 | -134.35 | -162.63 | 0.00009 |
| -136.47 | -160.51 | 0.00009 | -137.89 | -159.10 | 0.00009 |
| -139.30 | -157.68 | 0.00008 | -140.71 | -156.27 | 0.00008 |
| -142.13 | -154.86 | 0.00008 | -154.86 | -142.13 | 0.00008 |
| -156.27 | -140.71 | 0.00008 | -157.68 | -139.30 | 0.00008 |
| -159.10 | -137.89 | 0.00008 | -160.51 | -136.47 | 0.00008 |
| -162.63 | -134.35 | 0.00008 | -166.17 | -130.81 | 0.00008 |
| -169.71 | -127.28 | 0.00008 | -176.78 | -120.21 | 0.00008 |
| -183.85 | -113.14 | 0.00008 | -190.92 | -106.07 | 0.00007 |
| -197.99 | -98.99 | 0.00007 | -205.06 | -91.92 | 0.00007 |
| -212.13 | -84.85 | 0.00008 | -219.20 | -77.78 | 0.00007 |
| -84.85 | -226.27 | 0.00011 | -91.92 | -219.20 | 0.00011 |
| -98.99 | -212.13 | 0.00010 | -106.07 | -205.06 | 0.00010 |
| -113.14 | -197.99 | 0.00010 | -120.21 | -190.92 | 0.00010 |
| -127.28 | -183.85 | 0.00009 | -134.35 | -176.78 | 0.00009 |
| -137.89 | -173.24 | 0.00008 | -141.42 | -169.71 | 0.00008 |
| -143.54 | -167.58 | 0.00008 | -144.96 | -166.17 | 0.00008 |
| -146.37 | -164.76 | 0.00008 | -147.79 | -163.34 | 0.00008 |
| -149.20 | -161.93 | 0.00008 | -161.93 | -149.20 | 0.00008 |
| -163.34 | -147.79 | 0.00008 | -164.76 | -146.37 | 0.00008 |
| -166.17 | -144.96 | 0.00008 | -167.58 | -143.54 | 0.00008 |
| -169.71 | -141.42 | 0.00008 | -173.24 | -137.89 | 0.00008 |
| -176.78 | -134.35 | 0.00007 | -183.85 | -127.28 | 0.00007 |
| -190.92 | -120.21 | 0.00007 | -197.99 | -113.14 | 0.00007 |
| -205.06 | -106.07 | 0.00007 | -212.13 | -98.99 | 0.00007 |
| -219.20 | -91.92 | 0.00007 | -226.27 | -84.85 | 0.00007 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 *** INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -91.92 | -233.35 | 0.00010 | -98.99 | -226.27 | 0.00010 |
| -106.07 | -219.20 | 0.00010 | -113.14 | -212.13 | 0.00009 |
| -120.21 | -205.06 | 0.00009 | -127.28 | -197.99 | 0.00009 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -134.35 | -190.92 | 0.00008 | -141.42 | -183.85 | 0.00008 |
| -144.96 | -180.31 | 0.00008 | -148.49 | -176.78 | 0.00007 |
| -150.61 | -174.66 | 0.00007 | -152.03 | -173.24 | 0.00007 |
| -153.44 | -171.83 | 0.00007 | -154.86 | -170.41 | 0.00007 |
| -156.27 | -169.00 | 0.00007 | -169.00 | -156.27 | 0.00007 |
| -170.41 | -154.86 | 0.00007 | -171.83 | -153.44 | 0.00007 |
| -173.24 | -152.03 | 0.00007 | -174.66 | -150.61 | 0.00007 |
| -176.78 | -148.49 | 0.00007 | -180.31 | -144.96 | 0.00007 |
| -183.85 | -141.42 | 0.00007 | -190.92 | -134.35 | 0.00007 |
| -197.99 | -127.28 | 0.00006 | -205.06 | -120.21 | 0.00006 |
| -212.13 | -113.14 | 0.00006 | -219.20 | -106.07 | 0.00006 |
| -226.27 | -98.99 | 0.00006 | -233.35 | -91.92 | 0.00006 |
| -98.99 | -240.42 | 0.00009 | -106.07 | -233.35 | 0.00009 |
| -113.14 | -226.27 | 0.00009 | -120.21 | -219.20 | 0.00009 |
| -127.28 | -212.13 | 0.00008 | -134.35 | -205.06 | 0.00008 |
| -141.42 | -197.99 | 0.00008 | -148.49 | -190.92 | 0.00007 |
| -152.03 | -187.38 | 0.00007 | -155.56 | -183.85 | 0.00007 |
| -157.68 | -181.73 | 0.00007 | -159.10 | -180.31 | 0.00007 |
| -160.51 | -178.90 | 0.00007 | -161.93 | -177.48 | 0.00006 |
| -163.34 | -176.07 | 0.00006 | -176.07 | -163.34 | 0.00006 |
| -177.48 | -161.93 | 0.00006 | -178.90 | -160.51 | 0.00006 |
| -180.31 | -159.10 | 0.00006 | -181.73 | -157.68 | 0.00006 |
| -183.85 | -155.56 | 0.00006 | -187.38 | -152.03 | 0.00006 |
| -190.92 | -148.49 | 0.00006 | -197.99 | -141.42 | 0.00006 |
| -205.06 | -134.35 | 0.00006 | -212.13 | -127.28 | 0.00006 |
| -219.20 | -120.21 | 0.00006 | -226.27 | -113.14 | 0.00006 |
| -233.35 | -106.07 | 0.00006 | -240.42 | -98.99 | 0.00006 |
| -106.07 | -247.49 | 0.00008 | -113.14 | -240.42 | 0.00008 |
| -120.21 | -233.35 | 0.00008 | -127.28 | -226.27 | 0.00008 |
| -134.35 | -219.20 | 0.00008 | -141.42 | -212.13 | 0.00007 |
| -148.49 | -205.06 | 0.00007 | -155.56 | -197.99 | 0.00007 |
| -159.10 | -194.45 | 0.00006 | -162.63 | -190.92 | 0.00006 |
| -164.76 | -188.80 | 0.00006 | -166.17 | -187.38 | 0.00006 |
| -167.58 | -185.97 | 0.00006 | -169.00 | -184.55 | 0.00006 |
| -170.41 | -183.14 | 0.00006 | -183.14 | -170.41 | 0.00006 |
| -184.55 | -169.00 | 0.00006 | -185.97 | -167.58 | 0.00006 |
| -187.38 | -166.17 | 0.00006 | -188.80 | -164.76 | 0.00006 |

1 *** ISCT3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S3
 INCLUDING SOURCE(S): NCRA_S3 ,

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW_Bound
 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER IN MICROGRAMS/M**3 | | | ** | | |
|-------------------------------------|-------------|---------|-------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| -190.92 | -162.63 | 0.00006 | -194.45 | -159.10 | 0.00006 |
| -197.99 | -155.56 | 0.00006 | -205.06 | -148.49 | 0.00006 |
| -212.13 | -141.42 | 0.00006 | -219.20 | -134.35 | 0.00005 |
| -226.27 | -127.28 | 0.00005 | -233.35 | -120.21 | 0.00005 |
| -240.42 | -113.14 | 0.00005 | -247.49 | -106.07 | 0.00005 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 *** INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER IN MICROGRAMS/M**3 | | | ** | | |
|-------------------------------------|-------------|---------|-------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| 247.49 | 106.07 | 0.00016 | 240.42 | 113.14 | 0.00014 |
| 233.35 | 120.21 | 0.00013 | 226.27 | 127.28 | 0.00012 |
| 219.20 | 134.35 | 0.00010 | 212.13 | 141.42 | 0.00010 |
| 205.06 | 148.49 | 0.00009 | 197.99 | 155.56 | 0.00009 |
| 194.45 | 159.10 | 0.00008 | 190.92 | 162.63 | 0.00008 |
| 188.80 | 164.76 | 0.00008 | 187.38 | 166.17 | 0.00008 |
| 185.97 | 167.58 | 0.00008 | 184.55 | 169.00 | 0.00008 |
| 183.14 | 170.41 | 0.00008 | 170.41 | 183.14 | 0.00007 |
| 169.00 | 184.55 | 0.00007 | 167.58 | 185.97 | 0.00007 |
| 166.17 | 187.38 | 0.00007 | 164.76 | 188.80 | 0.00007 |
| 162.63 | 190.92 | 0.00007 | 159.10 | 194.45 | 0.00006 |
| 155.56 | 197.99 | 0.00006 | 148.49 | 205.06 | 0.00006 |
| 141.42 | 212.13 | 0.00005 | 134.35 | 219.20 | 0.00005 |
| 127.28 | 226.27 | 0.00005 | 120.21 | 233.35 | 0.00005 |
| 113.14 | 240.42 | 0.00004 | 106.07 | 247.49 | 0.00004 |
| 240.42 | 98.99 | 0.00019 | 233.35 | 106.07 | 0.00018 |
| 226.27 | 113.14 | 0.00016 | 219.20 | 120.21 | 0.00014 |
| 212.13 | 127.28 | 0.00013 | 205.06 | 134.35 | 0.00011 |
| 197.99 | 141.42 | 0.00010 | 190.92 | 148.49 | 0.00010 |
| 187.38 | 152.03 | 0.00010 | 183.85 | 155.56 | 0.00009 |
| 181.73 | 157.68 | 0.00009 | 180.31 | 159.10 | 0.00009 |
| 178.90 | 160.51 | 0.00009 | 177.48 | 161.93 | 0.00009 |
| 176.07 | 163.34 | 0.00009 | 163.34 | 176.07 | 0.00008 |
| 161.93 | 177.48 | 0.00008 | 160.51 | 178.90 | 0.00008 |
| 159.10 | 180.31 | 0.00008 | 157.68 | 181.73 | 0.00008 |
| 155.56 | 183.85 | 0.00007 | 152.03 | 187.38 | 0.00007 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 148.49 | 190.92 | 0.00007 | 141.42 | 197.99 | 0.00006 |
| 134.35 | 205.06 | 0.00006 | 127.28 | 212.13 | 0.00006 |
| 120.21 | 219.20 | 0.00005 | 113.14 | 226.27 | 0.00005 |
| 106.07 | 233.35 | 0.00005 | 98.99 | 240.42 | 0.00005 |
| 233.35 | 91.92 | 0.00023 | 226.27 | 98.99 | 0.00022 |
| 219.20 | 106.07 | 0.00020 | 212.13 | 113.14 | 0.00018 |
| 205.06 | 120.21 | 0.00015 | 197.99 | 127.28 | 0.00014 |
| 190.92 | 134.35 | 0.00012 | 183.85 | 141.42 | 0.00011 |
| 180.31 | 144.96 | 0.00011 | 176.78 | 148.49 | 0.00011 |
| 174.66 | 150.61 | 0.00011 | 173.24 | 152.03 | 0.00010 |
| 171.83 | 153.44 | 0.00010 | 170.41 | 154.86 | 0.00010 |
| 169.00 | 156.27 | 0.00010 | 156.27 | 169.00 | 0.00009 |
| 154.86 | 170.41 | 0.00009 | 153.44 | 171.83 | 0.00009 |
| 152.03 | 173.24 | 0.00009 | 150.61 | 174.66 | 0.00009 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4

INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 148.49 | 176.78 | 0.00008 | 144.96 | 180.31 | 0.00008 |
| 141.42 | 183.85 | 0.00008 | 134.35 | 190.92 | 0.00007 |
| 127.28 | 197.99 | 0.00007 | 120.21 | 205.06 | 0.00006 |
| 113.14 | 212.13 | 0.00006 | 106.07 | 219.20 | 0.00006 |
| 99.00 | 226.27 | 0.00006 | 91.92 | 233.35 | 0.00005 |
| 226.27 | 84.85 | 0.00029 | 219.20 | 91.92 | 0.00027 |
| 212.13 | 98.99 | 0.00025 | 205.06 | 106.07 | 0.00022 |
| 197.99 | 113.14 | 0.00019 | 190.92 | 120.21 | 0.00017 |
| 183.85 | 127.28 | 0.00015 | 176.78 | 134.35 | 0.00014 |
| 173.24 | 137.89 | 0.00013 | 169.71 | 141.42 | 0.00013 |
| 167.58 | 143.54 | 0.00012 | 166.17 | 144.96 | 0.00012 |
| 164.76 | 146.37 | 0.00012 | 163.34 | 147.79 | 0.00012 |
| 161.93 | 149.20 | 0.00012 | 149.20 | 161.93 | 0.00011 |
| 147.79 | 163.34 | 0.00010 | 146.37 | 164.76 | 0.00010 |
| 144.96 | 166.17 | 0.00010 | 143.54 | 167.58 | 0.00010 |
| 141.42 | 169.71 | 0.00010 | 137.89 | 173.24 | 0.00009 |
| 134.35 | 176.78 | 0.00009 | 127.28 | 183.85 | 0.00008 |
| 120.21 | 190.92 | 0.00008 | 113.14 | 197.99 | 0.00007 |
| 106.07 | 205.06 | 0.00007 | 99.00 | 212.13 | 0.00006 |
| 91.92 | 219.20 | 0.00006 | 84.85 | 226.27 | 0.00006 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 219.20 | 77.78 | 0.00036 | 212.13 | 84.85 | 0.00034 |
| 205.06 | 91.92 | 0.00031 | 197.99 | 98.99 | 0.00028 |
| 190.92 | 106.07 | 0.00025 | 183.85 | 113.14 | 0.00022 |
| 176.78 | 120.21 | 0.00019 | 169.71 | 127.28 | 0.00016 |
| 166.17 | 130.81 | 0.00016 | 162.63 | 134.35 | 0.00015 |
| 160.51 | 136.47 | 0.00015 | 159.10 | 137.89 | 0.00014 |
| 157.68 | 139.30 | 0.00014 | 156.27 | 140.71 | 0.00014 |
| 154.86 | 142.13 | 0.00014 | 142.13 | 154.86 | 0.00012 |
| 140.71 | 156.27 | 0.00012 | 139.30 | 157.68 | 0.00012 |
| 137.89 | 159.10 | 0.00012 | 136.47 | 160.51 | 0.00011 |
| 134.35 | 162.63 | 0.00011 | 130.81 | 166.17 | 0.00010 |
| 127.28 | 169.71 | 0.00010 | 120.21 | 176.78 | 0.00009 |
| 113.14 | 183.85 | 0.00009 | 106.07 | 190.92 | 0.00008 |
| 99.00 | 197.99 | 0.00008 | 91.92 | 205.06 | 0.00007 |
| 84.85 | 212.13 | 0.00007 | 77.78 | 219.20 | 0.00007 |
| 212.13 | 70.71 | 0.00045 | 205.06 | 77.78 | 0.00043 |
| 197.99 | 84.85 | 0.00041 | 190.92 | 91.92 | 0.00037 |
| 183.85 | 98.99 | 0.00033 | 176.78 | 106.07 | 0.00028 |
| 169.71 | 113.14 | 0.00024 | 162.63 | 120.21 | 0.00020 |
| 159.10 | 123.74 | 0.00019 | 155.56 | 127.28 | 0.00018 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTS:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 *** INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44 | 129.40 | 0.00018 | 152.03 | 130.81 | 0.00017 |
| 150.61 | 132.23 | 0.00017 | 149.20 | 133.64 | 0.00017 |
| 147.79 | 135.06 | 0.00016 | 135.06 | 147.79 | 0.00014 |
| 133.64 | 149.20 | 0.00014 | 132.23 | 150.61 | 0.00014 |
| 130.81 | 152.03 | 0.00013 | 129.40 | 153.44 | 0.00013 |
| 127.28 | 155.56 | 0.00013 | 123.74 | 159.10 | 0.00012 |
| 120.21 | 162.63 | 0.00011 | 113.14 | 169.71 | 0.00011 |
| 106.07 | 176.78 | 0.00010 | 98.99 | 183.85 | 0.00009 |
| 91.92 | 190.92 | 0.00009 | 84.85 | 197.99 | 0.00009 |
| 77.78 | 205.06 | 0.00009 | 70.71 | 212.13 | 0.00008 |
| 205.06 | 63.64 | 0.00057 | 197.99 | 70.71 | 0.00056 |
| 190.92 | 77.78 | 0.00053 | 183.85 | 84.85 | 0.00050 |
| 176.78 | 91.92 | 0.00045 | 169.71 | 98.99 | 0.00039 |
| 162.63 | 106.07 | 0.00033 | 155.56 | 113.14 | 0.00027 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 152.03 | 116.67 | 0.00025 | 148.49 | 120.21 | 0.00023 |
| 146.37 | 122.33 | 0.00022 | 144.96 | 123.74 | 0.00022 |
| 143.54 | 125.16 | 0.00021 | 142.13 | 126.57 | 0.00021 |
| 140.71 | 127.99 | 0.00020 | 127.99 | 140.71 | 0.00017 |
| 126.57 | 142.13 | 0.00017 | 125.16 | 143.54 | 0.00016 |
| 123.74 | 144.96 | 0.00016 | 122.33 | 146.37 | 0.00015 |
| 120.21 | 148.49 | 0.00015 | 116.67 | 152.03 | 0.00014 |
| 113.14 | 155.56 | 0.00013 | 106.07 | 162.63 | 0.00012 |
| 98.99 | 169.71 | 0.00012 | 91.92 | 176.78 | 0.00011 |
| 84.85 | 183.85 | 0.00011 | 77.78 | 190.92 | 0.00011 |
| 70.71 | 197.99 | 0.00010 | 63.64 | 205.06 | 0.00010 |
| 197.99 | 56.57 | 0.00072 | 190.92 | 63.64 | 0.00072 |
| 183.85 | 70.71 | 0.00071 | 176.78 | 77.78 | 0.00068 |
| 169.71 | 84.85 | 0.00062 | 162.63 | 91.92 | 0.00055 |
| 155.56 | 98.99 | 0.00047 | 148.49 | 106.07 | 0.00037 |
| 144.96 | 109.60 | 0.00033 | 141.42 | 113.14 | 0.00030 |
| 139.30 | 115.26 | 0.00029 | 137.89 | 116.67 | 0.00028 |
| 136.47 | 118.09 | 0.00027 | 135.06 | 119.50 | 0.00026 |
| 133.64 | 120.92 | 0.00026 | 120.92 | 133.64 | 0.00021 |
| 119.50 | 135.06 | 0.00020 | 118.09 | 136.47 | 0.00020 |
| 116.67 | 137.89 | 0.00019 | 115.26 | 139.30 | 0.00018 |
| 113.14 | 141.42 | 0.00018 | 109.60 | 144.96 | 0.00017 |
| 106.07 | 148.49 | 0.00016 | 98.99 | 155.56 | 0.00015 |
| 91.92 | 162.63 | 0.00014 | 84.85 | 169.71 | 0.00014 |
| 77.78 | 176.78 | 0.00013 | 70.71 | 183.85 | 0.00013 |
| 63.64 | 190.92 | 0.00013 | 56.57 | 197.99 | 0.00013 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***

04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
**MODELOPTS:
PAGE 86

CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 190.92 | 49.50 | 0.00090 | 183.85 | 56.57 | 0.00092 |
| 176.78 | 63.64 | 0.00093 | 169.71 | 70.71 | 0.00092 |
| 162.63 | 77.78 | 0.00089 | 155.56 | 84.85 | 0.00081 |
| 148.49 | 91.92 | 0.00070 | 141.42 | 98.99 | 0.00056 |
| 137.89 | 102.53 | 0.00049 | 134.35 | 106.07 | 0.00043 |
| 132.23 | 108.19 | 0.00039 | 130.81 | 109.60 | 0.00038 |
| 129.40 | 111.02 | 0.00036 | 127.99 | 112.43 | 0.00035 |
| 126.57 | 113.84 | 0.00033 | 113.84 | 126.57 | 0.00026 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 112.43 | 127.99 | 0.00025 | 111.02 | 129.40 | 0.00024 |
| 109.60 | 130.81 | 0.00023 | 108.19 | 132.23 | 0.00022 |
| 106.07 | 134.35 | 0.00021 | 102.53 | 137.89 | 0.00020 |
| 98.99 | 141.42 | 0.00019 | 91.92 | 148.49 | 0.00019 |
| 84.85 | 155.56 | 0.00018 | 77.78 | 162.63 | 0.00018 |
| 70.71 | 169.71 | 0.00017 | 63.64 | 176.78 | 0.00017 |
| 56.57 | 183.85 | 0.00016 | 49.50 | 190.92 | 0.00016 |
| 183.85 | 42.43 | 0.00110 | 176.78 | 49.50 | 0.00116 |
| 169.71 | 56.57 | 0.00121 | 162.63 | 63.64 | 0.00125 |
| 155.56 | 70.71 | 0.00126 | 148.49 | 77.78 | 0.00122 |
| 141.42 | 84.85 | 0.00111 | 134.35 | 91.92 | 0.00093 |
| 130.81 | 95.46 | 0.00081 | 127.28 | 98.99 | 0.00068 |
| 125.16 | 101.12 | 0.00061 | 123.74 | 102.53 | 0.00057 |
| 122.33 | 103.94 | 0.00053 | 120.92 | 105.36 | 0.00049 |
| 119.50 | 106.77 | 0.00047 | 106.77 | 119.50 | 0.00032 |
| 105.36 | 120.92 | 0.00031 | 103.94 | 122.33 | 0.00030 |
| 102.53 | 123.74 | 0.00029 | 101.12 | 125.16 | 0.00028 |
| 98.99 | 127.28 | 0.00027 | 95.46 | 130.81 | 0.00026 |
| 91.92 | 134.35 | 0.00025 | 84.85 | 141.42 | 0.00025 |
| 77.78 | 148.49 | 0.00024 | 70.71 | 155.56 | 0.00024 |
| 63.64 | 162.63 | 0.00023 | 56.57 | 169.71 | 0.00022 |
| 49.50 | 176.78 | 0.00020 | 42.43 | 183.85 | 0.00019 |
| 176.78 | 35.36 | 0.00134 | 169.71 | 42.43 | 0.00145 |
| 162.63 | 49.50 | 0.00155 | 155.56 | 56.57 | 0.00166 |
| 148.49 | 63.64 | 0.00174 | 141.42 | 70.71 | 0.00179 |
| 134.35 | 77.78 | 0.00178 | 127.28 | 84.85 | 0.00163 |
| 123.74 | 88.39 | 0.00149 | 120.21 | 91.92 | 0.00128 |
| 118.09 | 94.05 | 0.00114 | 116.67 | 95.46 | 0.00104 |
| 115.26 | 96.87 | 0.00094 | 113.84 | 98.29 | 0.00084 |
| 112.43 | 99.70 | 0.00075 | 99.70 | 112.43 | 0.00042 |
| 98.29 | 113.84 | 0.00040 | 96.87 | 115.26 | 0.00039 |
| 95.46 | 116.67 | 0.00038 | 94.05 | 118.09 | 0.00037 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
 PAGE 87
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 *** INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 91.92 | 120.21 | 0.00037 | 88.39 | 123.74 | 0.00036 |
| 84.85 | 127.28 | 0.00036 | 77.78 | 134.35 | 0.00036 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 70.71 | 141.42 | 0.00034 | 63.64 | 148.49 | 0.00032 |
| 56.57 | 155.56 | 0.00030 | 49.50 | 162.63 | 0.00028 |
| 42.43 | 169.71 | 0.00025 | 35.36 | 176.78 | 0.00023 |
| 169.71 | 28.28 | 0.00159 | 162.63 | 35.36 | 0.00176 |
| 155.56 | 42.43 | 0.00194 | 148.49 | 49.50 | 0.00213 |
| 141.42 | 56.57 | 0.00234 | 134.35 | 63.64 | 0.00254 |
| 127.28 | 70.71 | 0.00272 | 120.21 | 77.78 | 0.00280 |
| 116.67 | 81.32 | 0.00277 | 113.14 | 84.85 | 0.00265 |
| 111.02 | 86.97 | 0.00251 | 109.60 | 88.39 | 0.00239 |
| 108.19 | 89.80 | 0.00223 | 106.77 | 91.22 | 0.00203 |
| 105.36 | 92.63 | 0.00178 | 92.63 | 105.36 | 0.00061 |
| 91.22 | 106.77 | 0.00061 | 89.80 | 108.19 | 0.00061 |
| 88.39 | 109.60 | 0.00061 | 86.97 | 111.02 | 0.00061 |
| 84.85 | 113.14 | 0.00061 | 81.32 | 116.67 | 0.00060 |
| 77.78 | 120.21 | 0.00058 | 70.71 | 127.28 | 0.00053 |
| 63.64 | 134.35 | 0.00048 | 56.57 | 141.42 | 0.00043 |
| 49.50 | 148.49 | 0.00039 | 42.43 | 155.56 | 0.00035 |
| 35.36 | 162.63 | 0.00031 | 28.28 | 169.71 | 0.00028 |
| 162.63 | 21.21 | 0.00182 | 155.56 | 28.28 | 0.00204 |
| 148.49 | 35.36 | 0.00230 | 141.42 | 42.43 | 0.00259 |
| 134.35 | 49.50 | 0.00292 | 127.28 | 56.57 | 0.00329 |
| 120.21 | 63.64 | 0.00369 | 113.14 | 70.71 | 0.00408 |
| 109.60 | 74.25 | 0.00425 | 106.07 | 77.78 | 0.00435 |
| 103.94 | 79.90 | 0.00438 | 102.53 | 81.32 | 0.00437 |
| 101.12 | 82.73 | 0.00436 | 99.70 | 84.15 | 0.00435 |
| 98.29 | 85.56 | 0.00433 | 85.56 | 98.29 | 0.00120 |
| 84.15 | 99.70 | 0.00114 | 82.73 | 101.12 | 0.00110 |
| 81.32 | 102.53 | 0.00107 | 79.90 | 103.94 | 0.00104 |
| 77.78 | 106.07 | 0.00100 | 74.25 | 109.60 | 0.00093 |
| 70.71 | 113.14 | 0.00087 | 63.64 | 120.21 | 0.00075 |
| 56.57 | 127.28 | 0.00064 | 49.50 | 134.35 | 0.00056 |
| 42.43 | 141.42 | 0.00049 | 35.36 | 148.49 | 0.00043 |
| 28.28 | 155.56 | 0.00038 | 21.21 | 162.63 | 0.00034 |
| 155.56 | 14.14 | 0.00201 | 148.49 | 21.21 | 0.00228 |
| 141.42 | 28.28 | 0.00259 | 134.35 | 35.36 | 0.00296 |
| 127.28 | 42.43 | 0.00339 | 120.21 | 49.50 | 0.00387 |
| 113.14 | 56.57 | 0.00439 | 106.07 | 63.64 | 0.00488 |
| 102.53 | 67.18 | 0.00507 | 98.99 | 70.71 | 0.00518 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4

15NCRA PL97-300 DPM_TRAV_ANN_NE-SW Bound
 INCLUDING SOURCE(S) : NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER | | | IN MICROGRAMS/M**3 | | |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| 96.87 | 72.83 | 0.00518 | 95.46 | 74.25 | 0.00514 |
| 94.05 | 75.66 | 0.00508 | 92.63 | 77.07 | 0.00500 |
| 91.22 | 78.49 | 0.00491 | 78.49 | 91.22 | 0.00146 |
| 77.07 | 92.63 | 0.00142 | 75.66 | 94.05 | 0.00138 |
| 74.25 | 95.46 | 0.00135 | 72.83 | 96.87 | 0.00132 |
| 70.71 | 98.99 | 0.00128 | 67.18 | 102.53 | 0.00119 |
| 63.64 | 106.07 | 0.00110 | 56.57 | 113.14 | 0.00093 |
| 49.50 | 120.21 | 0.00079 | 42.43 | 127.28 | 0.00067 |
| 35.36 | 134.35 | 0.00058 | 28.28 | 141.42 | 0.00050 |
| 21.21 | 148.49 | 0.00044 | 14.14 | 155.56 | 0.00038 |
| 148.49 | 7.07 | 0.00214 | 141.42 | 14.14 | 0.00244 |
| 134.35 | 21.21 | 0.00280 | 127.28 | 28.28 | 0.00322 |
| 120.21 | 35.36 | 0.00370 | 113.14 | 42.43 | 0.00424 |
| 106.07 | 49.50 | 0.00481 | 98.99 | 56.57 | 0.00531 |
| 95.46 | 60.10 | 0.00547 | 91.92 | 63.64 | 0.00552 |
| 89.80 | 65.76 | 0.00548 | 88.39 | 67.18 | 0.00542 |
| 86.97 | 68.59 | 0.00533 | 85.56 | 70.00 | 0.00521 |
| 84.15 | 71.42 | 0.00510 | 71.42 | 84.15 | 0.00159 |
| 70.00 | 85.56 | 0.00155 | 68.59 | 86.97 | 0.00152 |
| 67.18 | 88.39 | 0.00149 | 65.76 | 89.80 | 0.00147 |
| 63.64 | 91.92 | 0.00143 | 60.10 | 95.46 | 0.00135 |
| 56.57 | 98.99 | 0.00126 | 49.50 | 106.07 | 0.00108 |
| 42.43 | 113.14 | 0.00091 | 35.36 | 120.21 | 0.00077 |
| 28.28 | 127.28 | 0.00065 | 21.21 | 134.35 | 0.00056 |
| 14.14 | 141.42 | 0.00049 | 7.07 | 148.49 | 0.00042 |
| 141.42 | 0.00 | 0.00220 | 134.35 | 7.07 | 0.00253 |
| 127.28 | 14.14 | 0.00291 | 120.21 | 21.21 | 0.00336 |
| 113.14 | 28.28 | 0.00387 | 106.07 | 35.36 | 0.00445 |
| 98.99 | 42.43 | 0.00504 | 91.92 | 49.50 | 0.00552 |
| 88.39 | 53.03 | 0.00566 | 84.85 | 56.57 | 0.00568 |
| 82.73 | 58.69 | 0.00562 | 81.32 | 60.10 | 0.00555 |
| 79.90 | 61.52 | 0.00546 | 78.49 | 62.93 | 0.00533 |
| 77.07 | 64.35 | 0.00521 | 64.35 | 77.07 | 0.00166 |
| 62.93 | 78.49 | 0.00163 | 61.52 | 79.90 | 0.00160 |
| 60.10 | 81.32 | 0.00158 | 58.69 | 82.73 | 0.00156 |
| 56.57 | 84.85 | 0.00152 | 53.03 | 88.39 | 0.00144 |
| 49.50 | 91.92 | 0.00136 | 42.43 | 98.99 | 0.00118 |
| 35.36 | 106.07 | 0.00100 | 28.28 | 113.14 | 0.00085 |
| 21.21 | 120.21 | 0.00072 | 14.14 | 127.28 | 0.00061 |
| 7.07 | 134.35 | 0.00053 | 0.00 | 141.42 | 0.00046 |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

15:03:43

**MODELOPTs:

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*** Maximum train overlap at NE/SW Bound Direction

CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4

INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 134.35 | -7.07 | 0.00220 | 127.28 | 0.00 | 0.00253 |
| 120.21 | 7.07 | 0.00291 | 113.14 | 14.14 | 0.00338 |
| 106.07 | 21.21 | 0.00391 | 98.99 | 28.28 | 0.00450 |
| 91.92 | 35.36 | 0.00510 | 84.85 | 42.43 | 0.00558 |
| 81.32 | 45.96 | 0.00572 | 77.78 | 49.50 | 0.00574 |
| 75.66 | 51.62 | 0.00568 | 74.25 | 53.03 | 0.00561 |
| 72.83 | 54.45 | 0.00551 | 71.42 | 55.86 | 0.00539 |
| 70.00 | 57.28 | 0.00526 | 57.28 | 70.00 | 0.00171 |
| 55.86 | 71.42 | 0.00167 | 54.45 | 72.83 | 0.00165 |
| 53.03 | 74.25 | 0.00163 | 51.62 | 75.66 | 0.00161 |
| 49.50 | 77.78 | 0.00157 | 45.96 | 81.32 | 0.00150 |
| 42.43 | 84.85 | 0.00142 | 35.36 | 91.92 | 0.00124 |
| 28.28 | 98.99 | 0.00106 | 21.21 | 106.07 | 0.00090 |
| 14.14 | 113.14 | 0.00076 | 7.07 | 120.21 | 0.00065 |
| 0.00 | 127.28 | 0.00055 | -7.07 | 134.35 | 0.00048 |
| 127.28 | -14.14 | 0.00214 | 120.21 | -7.07 | 0.00245 |
| 113.14 | 0.00 | 0.00283 | 106.07 | 7.07 | 0.00328 |
| 98.99 | 14.14 | 0.00380 | 91.92 | 21.21 | 0.00438 |
| 84.85 | 28.28 | 0.00499 | 77.78 | 35.36 | 0.00550 |
| 74.25 | 38.89 | 0.00567 | 70.71 | 42.43 | 0.00571 |
| 68.59 | 44.55 | 0.00567 | 67.18 | 45.96 | 0.00560 |
| 65.76 | 47.38 | 0.00551 | 64.35 | 48.79 | 0.00539 |
| 62.93 | 50.20 | 0.00526 | 50.20 | 62.93 | 0.00172 |
| 48.79 | 64.35 | 0.00169 | 47.38 | 65.76 | 0.00167 |
| 45.96 | 67.18 | 0.00165 | 44.55 | 68.59 | 0.00163 |
| 42.43 | 70.71 | 0.00160 | 38.89 | 74.25 | 0.00153 |
| 35.36 | 77.78 | 0.00145 | 28.28 | 84.85 | 0.00126 |
| 21.21 | 91.92 | 0.00108 | 14.14 | 98.99 | 0.00092 |
| 7.07 | 106.07 | 0.00078 | 0.00 | 113.14 | 0.00067 |
| -7.07 | 120.21 | 0.00057 | -14.14 | 127.28 | 0.00049 |
| 120.21 | -21.21 | 0.00202 | 113.14 | -14.14 | 0.00231 |
| 106.07 | -7.07 | 0.00265 | 98.99 | 0.00 | 0.00306 |
| 91.92 | 7.07 | 0.00353 | 84.85 | 14.14 | 0.00407 |
| 77.78 | 21.21 | 0.00466 | 70.71 | 28.28 | 0.00522 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|-------|-------|---------|-------|-------|---------|
| 67.18 | 31.82 | 0.00542 | 63.64 | 35.36 | 0.00553 |
| 61.52 | 37.48 | 0.00552 | 60.10 | 38.89 | 0.00548 |
| 58.69 | 40.31 | 0.00541 | 57.28 | 41.72 | 0.00530 |
| 55.86 | 43.13 | 0.00518 | 43.13 | 55.86 | 0.00171 |
| 41.72 | 57.28 | 0.00167 | 40.31 | 58.69 | 0.00165 |
| 38.89 | 60.10 | 0.00164 | 37.48 | 61.52 | 0.00162 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4

INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 63.64 | 0.00159 | 31.82 | 67.18 | 0.00152 |
| 28.28 | 70.71 | 0.00144 | 21.21 | 77.78 | 0.00125 |
| 14.14 | 84.85 | 0.00106 | 7.07 | 91.92 | 0.00090 |
| 0.00 | 98.99 | 0.00077 | -7.07 | 106.07 | 0.00066 |
| -14.14 | 113.14 | 0.00057 | -21.21 | 120.21 | 0.00049 |
| 113.14 | -28.28 | 0.00184 | 106.07 | -21.21 | 0.00208 |
| 98.99 | -14.14 | 0.00237 | 91.92 | -7.07 | 0.00271 |
| 84.85 | 0.00 | 0.00311 | 77.78 | 7.07 | 0.00356 |
| 70.71 | 14.14 | 0.00405 | 63.64 | 21.21 | 0.00456 |
| 60.10 | 24.75 | 0.00480 | 56.57 | 28.28 | 0.00498 |
| 54.45 | 30.41 | 0.00505 | 53.03 | 31.82 | 0.00506 |
| 51.62 | 33.23 | 0.00505 | 50.20 | 34.65 | 0.00500 |
| 48.79 | 36.06 | 0.00494 | 36.06 | 48.79 | 0.00165 |
| 34.65 | 50.20 | 0.00162 | 33.23 | 51.62 | 0.00160 |
| 31.82 | 53.03 | 0.00158 | 30.41 | 54.45 | 0.00156 |
| 28.28 | 56.57 | 0.00153 | 24.75 | 60.10 | 0.00145 |
| 21.21 | 63.64 | 0.00136 | 14.14 | 70.71 | 0.00118 |
| 7.07 | 77.78 | 0.00100 | 0.00 | 84.85 | 0.00085 |
| -7.07 | 91.92 | 0.00073 | -14.14 | 98.99 | 0.00063 |
| -21.21 | 106.07 | 0.00055 | -28.28 | 113.14 | 0.00047 |
| 106.07 | -35.36 | 0.00162 | 98.99 | -28.28 | 0.00181 |
| 91.92 | -21.21 | 0.00203 | 84.85 | -14.14 | 0.00227 |
| 77.78 | -7.07 | 0.00255 | 70.71 | 0.00 | 0.00284 |
| 63.64 | 7.07 | 0.00315 | 56.57 | 14.14 | 0.00343 |
| 53.03 | 17.68 | 0.00355 | 49.50 | 21.21 | 0.00366 |
| 47.38 | 23.33 | 0.00371 | 45.96 | 24.75 | 0.00375 |
| 44.55 | 26.16 | 0.00379 | 43.13 | 27.58 | 0.00385 |
| 41.72 | 28.99 | 0.00393 | 28.99 | 41.72 | 0.00148 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 27.58 | 43.13 | 0.00144 | 26.16 | 44.55 | 0.00140 |
| 24.75 | 45.96 | 0.00138 | 23.33 | 47.38 | 0.00135 |
| 21.21 | 49.50 | 0.00131 | 17.68 | 53.03 | 0.00125 |
| 14.14 | 56.57 | 0.00118 | 7.07 | 63.64 | 0.00103 |
| 0.00 | 70.71 | 0.00089 | -7.07 | 77.78 | 0.00077 |
| -14.14 | 84.85 | 0.00067 | -21.21 | 91.92 | 0.00058 |
| -28.28 | 98.99 | 0.00051 | -35.36 | 106.07 | 0.00045 |
| 98.99 | -42.43 | 0.00139 | 91.92 | -35.36 | 0.00152 |
| 84.85 | -28.28 | 0.00167 | 77.78 | -21.21 | 0.00182 |
| 70.71 | -14.14 | 0.00197 | 63.64 | -7.07 | 0.00211 |
| 56.57 | 0.00 | 0.00219 | 49.50 | 7.07 | 0.00217 |
| 45.96 | 10.61 | 0.00210 | 42.43 | 14.14 | 0.00197 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 91
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 *** INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.31 | 16.26 | 0.00186 | 38.89 | 17.68 | 0.00177 |
| 37.48 | 19.09 | 0.00167 | 36.06 | 20.51 | 0.00156 |
| 34.65 | 21.92 | 0.00143 | 21.92 | 34.65 | 0.00091 |
| 20.51 | 36.06 | 0.00092 | 19.09 | 37.48 | 0.00093 |
| 17.68 | 38.89 | 0.00093 | 16.26 | 40.31 | 0.00094 |
| 14.14 | 42.43 | 0.00094 | 10.61 | 45.96 | 0.00093 |
| 7.07 | 49.50 | 0.00091 | 0.00 | 56.57 | 0.00083 |
| -7.07 | 63.64 | 0.00075 | -14.14 | 70.71 | 0.00066 |
| -21.21 | 77.78 | 0.00058 | -28.28 | 84.85 | 0.00052 |
| -35.36 | 91.92 | 0.00046 | -42.43 | 98.99 | 0.00041 |
| 91.92 | -49.50 | 0.00117 | 84.85 | -42.43 | 0.00126 |
| 77.78 | -35.36 | 0.00134 | 70.71 | -28.28 | 0.00142 |
| 63.64 | -21.21 | 0.00149 | 56.57 | -14.14 | 0.00152 |
| 49.50 | -7.07 | 0.00149 | 42.43 | 0.00 | 0.00138 |
| 38.89 | 3.54 | 0.00128 | 35.36 | 7.07 | 0.00115 |
| 33.23 | 9.19 | 0.00107 | 31.82 | 10.61 | 0.00101 |
| 30.41 | 12.02 | 0.00096 | 28.99 | 13.44 | 0.00090 |
| 27.58 | 14.85 | 0.00085 | 14.85 | 27.58 | 0.00065 |
| 13.44 | 28.99 | 0.00065 | 12.02 | 30.41 | 0.00065 |
| 10.61 | 31.82 | 0.00066 | 9.19 | 33.23 | 0.00066 |
| 7.07 | 35.36 | 0.00067 | 3.54 | 38.89 | 0.00068 |
| 0.00 | 42.43 | 0.00069 | -7.07 | 49.50 | 0.00067 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -14.14 | 56.57 | 0.00062 | -21.21 | 63.64 | 0.00056 |
| -28.28 | 70.71 | 0.00050 | -35.36 | 77.78 | 0.00045 |
| -42.43 | 84.85 | 0.00041 | -49.50 | 91.92 | 0.00037 |
| 84.85 | -56.57 | 0.00097 | 77.78 | -49.50 | 0.00103 |
| 70.71 | -42.43 | 0.00107 | 63.64 | -35.36 | 0.00111 |
| 56.57 | -28.28 | 0.00112 | 49.50 | -21.21 | 0.00111 |
| 42.43 | -14.14 | 0.00105 | 35.36 | -7.07 | 0.00093 |
| 31.82 | -3.54 | 0.00086 | 28.28 | 0.00 | 0.00080 |
| 26.16 | 2.12 | 0.00076 | 24.75 | 3.54 | 0.00073 |
| 23.33 | 4.95 | 0.00070 | 21.92 | 6.36 | 0.00067 |
| 20.51 | 7.78 | 0.00064 | 7.78 | 20.51 | 0.00052 |
| 6.36 | 21.92 | 0.00052 | 4.95 | 23.33 | 0.00052 |
| 3.54 | 24.75 | 0.00052 | 2.12 | 26.16 | 0.00052 |
| 0.00 | 28.28 | 0.00052 | -3.54 | 31.82 | 0.00052 |
| -7.07 | 35.36 | 0.00052 | -14.14 | 42.43 | 0.00052 |
| -21.21 | 49.50 | 0.00050 | -28.28 | 56.57 | 0.00047 |
| -35.36 | 63.64 | 0.00043 | -42.43 | 70.71 | 0.00040 |
| -49.50 | 77.78 | 0.00036 | -56.57 | 84.85 | 0.00033 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 *** INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 77.78 | -63.64 | 0.00081 | 70.71 | -56.57 | 0.00084 |
| 63.64 | -49.50 | 0.00086 | 56.57 | -42.43 | 0.00086 |
| 49.50 | -35.36 | 0.00085 | 42.43 | -28.28 | 0.00082 |
| 35.36 | -21.21 | 0.00076 | 28.28 | -14.14 | 0.00068 |
| 24.75 | -10.61 | 0.00065 | 21.21 | -7.07 | 0.00061 |
| 19.09 | -4.95 | 0.00059 | 17.68 | -3.54 | 0.00057 |
| 16.26 | -2.12 | 0.00055 | 14.85 | -0.71 | 0.00053 |
| 13.44 | 0.71 | 0.00051 | 0.71 | 13.44 | 0.00043 |
| -0.71 | 14.85 | 0.00043 | -2.12 | 16.26 | 0.00043 |
| -3.54 | 17.68 | 0.00042 | -4.95 | 19.09 | 0.00042 |
| -7.07 | 21.21 | 0.00042 | -10.61 | 24.75 | 0.00042 |
| -14.14 | 28.28 | 0.00042 | -21.21 | 35.36 | 0.00042 |
| -28.28 | 42.43 | 0.00040 | -35.36 | 49.50 | 0.00039 |
| -42.43 | 56.57 | 0.00037 | -49.50 | 63.64 | 0.00034 |
| -56.57 | 70.71 | 0.00032 | -63.64 | 77.78 | 0.00029 |
| 70.71 | -70.71 | 0.00067 | 63.64 | -63.64 | 0.00068 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 56.57 | -56.57 | 0.00069 | 49.50 | -49.50 | 0.00068 |
| 42.43 | -42.43 | 0.00065 | 35.36 | -35.36 | 0.00062 |
| 28.28 | -28.28 | 0.00057 | 21.21 | -21.21 | 0.00053 |
| 17.68 | -17.68 | 0.00051 | 14.14 | -14.14 | 0.00049 |
| 12.02 | -12.02 | 0.00047 | 10.61 | -10.61 | 0.00046 |
| 9.19 | -9.19 | 0.00044 | 7.78 | -7.78 | 0.00043 |
| 6.36 | -6.36 | 0.00041 | -6.36 | 6.36 | 0.00036 |
| -7.78 | 7.78 | 0.00036 | -9.19 | 9.19 | 0.00036 |
| -10.61 | 10.61 | 0.00035 | -12.02 | 12.02 | 0.00035 |
| -14.14 | 14.14 | 0.00035 | -17.68 | 17.68 | 0.00035 |
| -21.21 | 21.21 | 0.00035 | -28.28 | 28.28 | 0.00034 |
| -35.36 | 35.36 | 0.00033 | -42.43 | 42.43 | 0.00032 |
| -49.50 | 49.50 | 0.00031 | -56.57 | 56.57 | 0.00029 |
| -63.64 | 63.64 | 0.00028 | -70.71 | 70.71 | 0.00026 |
| 63.64 | -77.78 | 0.00056 | 56.57 | -70.71 | 0.00056 |
| 49.50 | -63.64 | 0.00055 | 42.43 | -56.57 | 0.00053 |
| 35.36 | -49.50 | 0.00051 | 28.28 | -42.43 | 0.00048 |
| 21.21 | -35.36 | 0.00046 | 14.14 | -28.28 | 0.00043 |
| 10.61 | -24.75 | 0.00042 | 7.07 | -21.21 | 0.00040 |
| 4.95 | -19.09 | 0.00039 | 3.54 | -17.68 | 0.00037 |
| 2.12 | -16.26 | 0.00036 | 0.71 | -14.85 | 0.00035 |
| -0.71 | -13.44 | 0.00034 | -13.44 | -0.71 | 0.00031 |
| -14.85 | 0.71 | 0.00031 | -16.26 | 2.12 | 0.00030 |
| -17.68 | 3.54 | 0.00030 | -19.09 | 4.95 | 0.00030 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 93
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER | | | IN MICROGRAMS/M**3 | | |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| -21.21 | 7.07 | 0.00029 | -24.75 | 10.61 | 0.00029 |
| -28.28 | 14.14 | 0.00029 | -35.36 | 21.21 | 0.00029 |
| -42.43 | 28.28 | 0.00028 | -49.50 | 35.36 | 0.00027 |
| -56.57 | 42.43 | 0.00026 | -63.64 | 49.50 | 0.00025 |
| -70.71 | 56.57 | 0.00024 | -77.78 | 63.64 | 0.00023 |
| 56.57 | -84.85 | 0.00046 | 49.50 | -77.78 | 0.00046 |
| 42.43 | -70.71 | 0.00045 | 35.36 | -63.64 | 0.00043 |
| 28.28 | -56.57 | 0.00041 | 21.21 | -49.50 | 0.00039 |
| 14.14 | -42.43 | 0.00038 | 7.07 | -35.36 | 0.00036 |
| 3.54 | -31.82 | 0.00035 | 0.00 | -28.28 | 0.00033 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -2.12 | -26.16 | 0.00032 | -3.54 | -24.75 | 0.00031 |
| -4.95 | -23.33 | 0.00030 | -6.36 | -21.92 | 0.00029 |
| -7.78 | -20.51 | 0.00028 | -20.51 | -7.78 | 0.00026 |
| -21.92 | -6.36 | 0.00026 | -23.33 | -4.95 | 0.00026 |
| -24.75 | -3.54 | 0.00026 | -26.16 | -2.12 | 0.00026 |
| -28.28 | 0.00 | 0.00025 | -31.82 | 3.54 | 0.00025 |
| -35.36 | 7.07 | 0.00025 | -42.43 | 14.14 | 0.00025 |
| -49.50 | 21.21 | 0.00024 | -56.57 | 28.28 | 0.00024 |
| -63.64 | 35.36 | 0.00023 | -70.71 | 42.43 | 0.00022 |
| -77.78 | 49.50 | 0.00021 | -84.85 | 56.57 | 0.00020 |
| 49.50 | -91.92 | 0.00039 | 42.43 | -84.85 | 0.00038 |
| 35.36 | -77.78 | 0.00037 | 28.28 | -70.71 | 0.00035 |
| 21.21 | -63.64 | 0.00034 | 14.14 | -56.57 | 0.00033 |
| 7.07 | -49.50 | 0.00032 | 0.00 | -42.43 | 0.00030 |
| -3.54 | -38.89 | 0.00029 | -7.07 | -35.36 | 0.00028 |
| -9.19 | -33.23 | 0.00027 | -10.61 | -31.82 | 0.00026 |
| -12.02 | -30.41 | 0.00025 | -13.44 | -28.99 | 0.00025 |
| -14.85 | -27.58 | 0.00024 | -27.58 | -14.85 | 0.00023 |
| -28.99 | -13.44 | 0.00023 | -30.41 | -12.02 | 0.00023 |
| -31.82 | -10.61 | 0.00022 | -33.23 | -9.19 | 0.00022 |
| -35.36 | -7.07 | 0.00022 | -38.89 | -3.54 | 0.00021 |
| -42.43 | 0.00 | 0.00021 | -49.50 | 7.07 | 0.00021 |
| -56.57 | 14.14 | 0.00021 | -63.64 | 21.21 | 0.00021 |
| -70.71 | 28.28 | 0.00020 | -77.78 | 35.36 | 0.00019 |
| -84.85 | 42.43 | 0.00018 | -91.92 | 49.50 | 0.00017 |
| 42.43 | -98.99 | 0.00032 | 35.36 | -91.92 | 0.00031 |
| 28.28 | -84.85 | 0.00030 | 21.21 | -77.78 | 0.00029 |
| 14.14 | -70.71 | 0.00029 | 7.07 | -63.64 | 0.00028 |
| 0.00 | -56.57 | 0.00027 | -7.07 | -49.50 | 0.00026 |
| -10.61 | -45.96 | 0.00025 | -14.14 | -42.43 | 0.00024 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 94
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 *** INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -16.26 | -40.31 | 0.00023 | -17.68 | -38.89 | 0.00022 |
| -19.09 | -37.48 | 0.00022 | -20.51 | -36.06 | 0.00021 |
| -21.92 | -34.65 | 0.00021 | -34.65 | -21.92 | 0.00020 |
| -36.06 | -20.51 | 0.00020 | -37.48 | -19.09 | 0.00020 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -38.89 | -17.68 | 0.00020 | -40.31 | -16.26 | 0.00019 |
| -42.43 | -14.14 | 0.00019 | -45.96 | -10.61 | 0.00019 |
| -49.50 | -7.07 | 0.00018 | -56.57 | 0.00 | 0.00018 |
| -63.64 | 7.07 | 0.00018 | -70.71 | 14.14 | 0.00018 |
| -77.78 | 21.21 | 0.00018 | -84.85 | 28.28 | 0.00017 |
| -91.92 | 35.36 | 0.00016 | -98.99 | 42.43 | 0.00015 |
| 35.36 | -106.07 | 0.00027 | 28.28 | -98.99 | 0.00027 |
| 21.21 | -91.92 | 0.00026 | 14.14 | -84.85 | 0.00025 |
| 7.07 | -77.78 | 0.00025 | 0.00 | -70.71 | 0.00024 |
| -7.07 | -63.64 | 0.00023 | -14.14 | -56.57 | 0.00022 |
| -17.68 | -53.03 | 0.00021 | -21.21 | -49.50 | 0.00020 |
| -23.33 | -47.38 | 0.00020 | -24.75 | -45.96 | 0.00019 |
| -26.16 | -44.55 | 0.00019 | -27.58 | -43.13 | 0.00018 |
| -28.99 | -41.72 | 0.00018 | -41.72 | -28.99 | 0.00017 |
| -43.13 | -27.58 | 0.00017 | -44.55 | -26.16 | 0.00017 |
| -45.96 | -24.75 | 0.00017 | -47.38 | -23.33 | 0.00017 |
| -49.50 | -21.21 | 0.00017 | -53.03 | -17.68 | 0.00017 |
| -56.57 | -14.14 | 0.00016 | -63.64 | -7.07 | 0.00016 |
| -70.71 | 0.00 | 0.00016 | -77.78 | 7.07 | 0.00016 |
| -84.85 | 14.14 | 0.00016 | -91.92 | 21.21 | 0.00015 |
| -98.99 | 28.28 | 0.00015 | -106.07 | 35.36 | 0.00014 |
| 28.28 | -113.14 | 0.00023 | 21.21 | -106.07 | 0.00023 |
| 14.14 | -98.99 | 0.00022 | 7.07 | -91.92 | 0.00022 |
| 0.00 | -84.85 | 0.00021 | -7.07 | -77.78 | 0.00021 |
| -14.14 | -70.71 | 0.00020 | -21.21 | -63.64 | 0.00019 |
| -24.75 | -60.10 | 0.00018 | -28.28 | -56.57 | 0.00018 |
| -30.41 | -54.45 | 0.00017 | -31.82 | -53.03 | 0.00017 |
| -33.23 | -51.62 | 0.00016 | -34.65 | -50.20 | 0.00016 |
| -36.06 | -48.79 | 0.00016 | -48.79 | -36.06 | 0.00015 |
| -50.20 | -34.65 | 0.00015 | -51.62 | -33.23 | 0.00015 |
| -53.03 | -31.82 | 0.00015 | -54.45 | -30.41 | 0.00015 |
| -56.57 | -28.28 | 0.00015 | -60.10 | -24.75 | 0.00015 |
| -63.64 | -21.21 | 0.00014 | -70.71 | -14.14 | 0.00014 |
| -77.78 | -7.07 | 0.00014 | -84.85 | 0.00 | 0.00014 |
| -91.92 | 7.07 | 0.00014 | -98.99 | 14.14 | 0.00014 |
| -106.07 | 21.21 | 0.00013 | -113.14 | 28.28 | 0.00013 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 95

CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 *** INCLUDING SOURCE(S): NCRA_S4 ,
 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound
 ** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 21.21 | -120.21 | 0.00020 | 14.14 | -113.14 | 0.00020 |
| 7.07 | -106.07 | 0.00019 | 0.00 | -98.99 | 0.00019 |
| -7.07 | -91.92 | 0.00019 | -14.14 | -84.85 | 0.00019 |
| -21.21 | -77.78 | 0.00018 | -28.28 | -70.71 | 0.00017 |
| -31.82 | -67.18 | 0.00016 | -35.36 | -63.64 | 0.00015 |
| -37.48 | -61.52 | 0.00015 | -38.89 | -60.10 | 0.00015 |
| -40.31 | -58.69 | 0.00014 | -41.72 | -57.28 | 0.00014 |
| -43.13 | -55.86 | 0.00014 | -55.86 | -43.13 | 0.00014 |
| -57.28 | -41.72 | 0.00014 | -58.69 | -40.31 | 0.00014 |
| -60.10 | -38.89 | 0.00014 | -61.52 | -37.48 | 0.00014 |
| -63.64 | -35.36 | 0.00013 | -67.18 | -31.82 | 0.00013 |
| -70.71 | -28.28 | 0.00013 | -77.78 | -21.21 | 0.00012 |
| -84.85 | -14.14 | 0.00012 | -91.92 | -7.07 | 0.00012 |
| -98.99 | 0.00 | 0.00012 | -106.07 | 7.07 | 0.00012 |
| -113.14 | 14.14 | 0.00012 | -120.21 | 21.21 | 0.00012 |
| 14.14 | -127.28 | 0.00018 | 7.07 | -120.21 | 0.00018 |
| 0.00 | -113.14 | 0.00017 | -7.07 | -106.07 | 0.00017 |
| -14.14 | -98.99 | 0.00017 | -21.21 | -91.92 | 0.00016 |
| -28.28 | -84.85 | 0.00016 | -35.36 | -77.78 | 0.00015 |
| -38.89 | -74.25 | 0.00014 | -42.43 | -70.71 | 0.00014 |
| -44.55 | -68.59 | 0.00013 | -45.96 | -67.18 | 0.00013 |
| -47.38 | -65.76 | 0.00013 | -48.79 | -64.35 | 0.00013 |
| -50.20 | -62.93 | 0.00012 | -62.93 | -50.20 | 0.00012 |
| -64.35 | -48.79 | 0.00012 | -65.76 | -47.38 | 0.00012 |
| -67.18 | -45.96 | 0.00012 | -68.59 | -44.55 | 0.00012 |
| -70.71 | -42.43 | 0.00012 | -74.25 | -38.89 | 0.00012 |
| -77.78 | -35.36 | 0.00012 | -84.85 | -28.28 | 0.00011 |
| -91.92 | -21.21 | 0.00011 | -98.99 | -14.14 | 0.00011 |
| -106.07 | -7.07 | 0.00011 | -113.14 | 0.00 | 0.00011 |
| -120.21 | 7.07 | 0.00011 | -127.28 | 14.14 | 0.00011 |
| 7.07 | -134.35 | 0.00016 | 0.00 | -127.28 | 0.00016 |
| -7.07 | -120.21 | 0.00015 | -14.14 | -113.14 | 0.00015 |
| -21.21 | -106.07 | 0.00015 | -28.28 | -98.99 | 0.00015 |
| -35.36 | -91.92 | 0.00014 | -42.43 | -84.85 | 0.00013 |
| -45.96 | -81.32 | 0.00013 | -49.50 | -77.78 | 0.00012 |
| -51.62 | -75.66 | 0.00012 | -53.03 | -74.25 | 0.00012 |
| -54.45 | -72.83 | 0.00011 | -55.86 | -71.42 | 0.00011 |
| -57.28 | -70.00 | 0.00011 | -70.00 | -57.28 | 0.00011 |
| -71.42 | -55.86 | 0.00011 | -72.83 | -54.45 | 0.00011 |
| -74.25 | -53.03 | 0.00011 | -75.66 | -51.62 | 0.00011 |

1 *** ISCST3 - VERSION 02035 ***
 04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43
 **MODELOPTS:
 PAGE 96
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4

 INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| | | ** CONC OF OTHER | IN MICROGRAMS/M**3 | | ** |
|-------------|-------------|------------------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| -77.78 | -49.50 | 0.00011 | -81.32 | -45.96 | 0.00011 |
| -84.85 | -42.43 | 0.00011 | -91.92 | -35.36 | 0.00010 |
| -98.99 | -28.28 | 0.00010 | -106.07 | -21.21 | 0.00010 |
| -113.14 | -14.14 | 0.00010 | -120.21 | -7.07 | 0.00010 |
| -127.28 | 0.00 | 0.00010 | -134.35 | 7.07 | 0.00010 |
| 0.00 | -141.42 | 0.00014 | -7.07 | -134.35 | 0.00014 |
| -14.14 | -127.28 | 0.00014 | -21.21 | -120.21 | 0.00014 |
| -28.28 | -113.14 | 0.00014 | -35.36 | -106.07 | 0.00013 |
| -42.43 | -98.99 | 0.00013 | -49.50 | -91.92 | 0.00012 |
| -53.03 | -88.39 | 0.00011 | -56.57 | -84.85 | 0.00011 |
| -58.69 | -82.73 | 0.00011 | -60.10 | -81.32 | 0.00010 |
| -61.52 | -79.90 | 0.00010 | -62.93 | -78.49 | 0.00010 |
| -64.35 | -77.07 | 0.00010 | -77.07 | -64.35 | 0.00010 |
| -78.49 | -62.93 | 0.00010 | -79.90 | -61.52 | 0.00010 |
| -81.32 | -60.10 | 0.00010 | -82.73 | -58.69 | 0.00010 |
| -84.85 | -56.57 | 0.00010 | -88.39 | -53.03 | 0.00010 |
| -91.92 | -49.50 | 0.00010 | -98.99 | -42.43 | 0.00009 |
| -106.07 | -35.36 | 0.00009 | -113.14 | -28.28 | 0.00009 |
| -120.21 | -21.21 | 0.00009 | -127.28 | -14.14 | 0.00009 |
| -134.35 | -7.07 | 0.00009 | -141.42 | 0.00 | 0.00009 |
| -7.07 | -148.49 | 0.00013 | -14.14 | -141.42 | 0.00013 |
| -21.21 | -134.35 | 0.00013 | -28.28 | -127.28 | 0.00012 |
| -35.36 | -120.21 | 0.00012 | -42.43 | -113.14 | 0.00012 |
| -49.50 | -106.07 | 0.00011 | -56.57 | -98.99 | 0.00011 |
| -60.10 | -95.46 | 0.00010 | -63.64 | -91.92 | 0.00010 |
| -65.76 | -89.80 | 0.00010 | -67.18 | -88.39 | 0.00009 |
| -68.59 | -86.97 | 0.00009 | -70.00 | -85.56 | 0.00009 |
| -71.42 | -84.15 | 0.00009 | -84.15 | -71.42 | 0.00009 |
| -85.56 | -70.00 | 0.00009 | -86.97 | -68.59 | 0.00009 |
| -88.39 | -67.18 | 0.00009 | -89.80 | -65.76 | 0.00009 |
| -91.92 | -63.64 | 0.00009 | -95.46 | -60.10 | 0.00009 |
| -98.99 | -56.57 | 0.00009 | -106.07 | -49.50 | 0.00008 |
| -113.14 | -42.43 | 0.00008 | -120.21 | -35.36 | 0.00008 |
| -127.28 | -28.28 | 0.00008 | -134.35 | -21.21 | 0.00008 |
| -141.42 | -14.14 | 0.00008 | -148.49 | -7.07 | 0.00008 |
| -14.14 | -155.56 | 0.00012 | -21.21 | -148.49 | 0.00012 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|---------|---------|--------|---------|---------|
| -28.28 | -141.42 | 0.00011 | -35.36 | -134.35 | 0.00011 |
| -42.43 | -127.28 | 0.00011 | -49.50 | -120.21 | 0.00011 |
| -56.57 | -113.14 | 0.00010 | -63.64 | -106.07 | 0.00010 |
| -67.18 | -102.53 | 0.00009 | -70.71 | -98.99 | 0.00009 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 *** INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -72.83 | -96.87 | 0.00009 | -74.25 | -95.46 | 0.00009 |
| -75.66 | -94.05 | 0.00008 | -77.07 | -92.63 | 0.00008 |
| -78.49 | -91.22 | 0.00008 | -91.22 | -78.49 | 0.00008 |
| -92.63 | -77.07 | 0.00008 | -94.05 | -75.66 | 0.00008 |
| -95.46 | -74.25 | 0.00008 | -96.87 | -72.83 | 0.00008 |
| -98.99 | -70.71 | 0.00008 | -102.53 | -67.18 | 0.00008 |
| -106.07 | -63.64 | 0.00008 | -113.14 | -56.57 | 0.00008 |
| -120.21 | -49.50 | 0.00008 | -127.28 | -42.43 | 0.00007 |
| -134.35 | -35.36 | 0.00007 | -141.42 | -28.28 | 0.00007 |
| -148.49 | -21.21 | 0.00008 | -155.56 | -14.14 | 0.00007 |
| -21.21 | -162.63 | 0.00011 | -28.28 | -155.56 | 0.00011 |
| -35.36 | -148.49 | 0.00010 | -42.43 | -141.42 | 0.00010 |
| -49.50 | -134.35 | 0.00010 | -56.57 | -127.28 | 0.00010 |
| -63.64 | -120.21 | 0.00009 | -70.71 | -113.14 | 0.00009 |
| -74.25 | -109.60 | 0.00008 | -77.78 | -106.07 | 0.00008 |
| -79.90 | -103.94 | 0.00008 | -81.32 | -102.53 | 0.00008 |
| -82.73 | -101.12 | 0.00008 | -84.15 | -99.70 | 0.00008 |
| -85.56 | -98.29 | 0.00008 | -98.29 | -85.56 | 0.00008 |
| -99.70 | -84.15 | 0.00008 | -101.12 | -82.73 | 0.00008 |
| -102.53 | -81.32 | 0.00008 | -103.94 | -79.90 | 0.00008 |
| -106.07 | -77.78 | 0.00008 | -109.60 | -74.25 | 0.00008 |
| -113.14 | -70.71 | 0.00007 | -120.21 | -63.64 | 0.00007 |
| -127.28 | -56.57 | 0.00007 | -134.35 | -49.50 | 0.00007 |
| -141.42 | -42.43 | 0.00007 | -148.49 | -35.36 | 0.00007 |
| -155.56 | -28.28 | 0.00007 | -162.63 | -21.21 | 0.00007 |
| -28.28 | -169.71 | 0.00010 | -35.36 | -162.63 | 0.00010 |
| -42.43 | -155.56 | 0.00010 | -49.50 | -148.49 | 0.00009 |
| -56.57 | -141.42 | 0.00009 | -63.64 | -134.35 | 0.00009 |
| -70.71 | -127.28 | 0.00008 | -77.78 | -120.21 | 0.00008 |
| -81.32 | -116.67 | 0.00008 | -84.85 | -113.14 | 0.00007 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -86.97 | -111.02 | 0.00007 | -88.39 | -109.60 | 0.00007 |
| -89.80 | -108.19 | 0.00007 | -91.22 | -106.77 | 0.00007 |
| -92.63 | -105.36 | 0.00007 | -105.36 | -92.63 | 0.00007 |
| -106.77 | -91.22 | 0.00007 | -108.19 | -89.80 | 0.00007 |
| -109.60 | -88.39 | 0.00007 | -111.02 | -86.97 | 0.00007 |
| -113.14 | -84.85 | 0.00007 | -116.67 | -81.32 | 0.00007 |
| -120.21 | -77.78 | 0.00007 | -127.28 | -70.71 | 0.00007 |
| -134.35 | -63.64 | 0.00006 | -141.42 | -56.57 | 0.00006 |
| -148.49 | -49.50 | 0.00006 | -155.56 | -42.43 | 0.00006 |
| -162.63 | -35.36 | 0.00006 | -169.71 | -28.28 | 0.00006 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***

*** Maximum train overlap at NE/SW Bound Direction ***

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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4

INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -176.78 | 0.00009 | -42.43 | -169.71 | 0.00009 |
| -49.50 | -162.63 | 0.00009 | -56.57 | -155.56 | 0.00009 |
| -63.64 | -148.49 | 0.00008 | -70.71 | -141.42 | 0.00008 |
| -77.78 | -134.35 | 0.00008 | -84.85 | -127.28 | 0.00007 |
| -88.39 | -123.74 | 0.00007 | -91.92 | -120.21 | 0.00007 |
| -94.05 | -118.09 | 0.00007 | -95.46 | -116.67 | 0.00007 |
| -96.87 | -115.26 | 0.00007 | -98.29 | -113.84 | 0.00006 |
| -99.70 | -112.43 | 0.00006 | -112.43 | -99.70 | 0.00006 |
| -113.84 | -98.29 | 0.00006 | -115.26 | -96.87 | 0.00006 |
| -116.67 | -95.46 | 0.00006 | -118.09 | -94.05 | 0.00006 |
| -120.21 | -91.92 | 0.00006 | -123.74 | -88.39 | 0.00006 |
| -127.28 | -84.85 | 0.00006 | -134.35 | -77.78 | 0.00006 |
| -141.42 | -70.71 | 0.00006 | -148.49 | -63.64 | 0.00006 |
| -155.56 | -56.57 | 0.00006 | -162.63 | -49.50 | 0.00006 |
| -169.71 | -42.43 | 0.00006 | -176.78 | -35.36 | 0.00006 |
| -42.43 | -183.85 | 0.00008 | -49.50 | -176.78 | 0.00008 |
| -56.57 | -169.71 | 0.00008 | -63.64 | -162.63 | 0.00008 |
| -70.71 | -155.56 | 0.00008 | -77.78 | -148.49 | 0.00007 |
| -84.85 | -141.42 | 0.00007 | -91.92 | -134.35 | 0.00007 |
| -95.46 | -130.81 | 0.00006 | -98.99 | -127.28 | 0.00006 |
| -101.12 | -125.16 | 0.00006 | -102.53 | -123.74 | 0.00006 |
| -103.94 | -122.33 | 0.00006 | -105.36 | -120.92 | 0.00006 |
| -106.77 | -119.50 | 0.00006 | -119.50 | -106.77 | 0.00006 |
| -120.92 | -105.36 | 0.00006 | -122.33 | -103.94 | 0.00006 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -123.74 | -102.53 | 0.00006 | -125.16 | -101.12 | 0.00006 |
| -127.28 | -98.99 | 0.00006 | -130.81 | -95.46 | 0.00006 |
| -134.35 | -91.92 | 0.00006 | -141.42 | -84.85 | 0.00006 |
| -148.49 | -77.78 | 0.00006 | -155.56 | -70.71 | 0.00005 |
| -162.63 | -63.64 | 0.00005 | -169.71 | -56.57 | 0.00005 |
| -176.78 | -49.50 | 0.00005 | -183.85 | -42.43 | 0.00005 |
| -49.50 | -190.92 | 0.00008 | -56.57 | -183.85 | 0.00008 |
| -63.64 | -176.78 | 0.00008 | -70.71 | -169.71 | 0.00007 |
| -77.78 | -162.63 | 0.00007 | -84.85 | -155.56 | 0.00007 |
| -91.92 | -148.49 | 0.00007 | -98.99 | -141.42 | 0.00006 |
| -102.53 | -137.89 | 0.00006 | -106.07 | -134.35 | 0.00006 |
| -108.19 | -132.23 | 0.00006 | -109.60 | -130.81 | 0.00006 |
| -111.02 | -129.40 | 0.00006 | -112.43 | -127.99 | 0.00006 |
| -113.84 | -126.57 | 0.00006 | -126.57 | -113.84 | 0.00006 |
| -127.99 | -112.43 | 0.00006 | -129.40 | -111.02 | 0.00006 |
| -130.81 | -109.60 | 0.00006 | -132.23 | -108.19 | 0.00006 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at NE/SW Bound Direction ***

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4

INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -134.35 | -106.07 | 0.00006 | -137.89 | -102.53 | 0.00006 |
| -141.42 | -98.99 | 0.00006 | -148.49 | -91.92 | 0.00005 |
| -155.56 | -84.85 | 0.00005 | -162.63 | -77.78 | 0.00005 |
| -169.71 | -70.71 | 0.00005 | -176.78 | -63.64 | 0.00005 |
| -183.85 | -56.57 | 0.00005 | -190.92 | -49.50 | 0.00005 |
| -56.57 | -197.99 | 0.00007 | -63.64 | -190.92 | 0.00007 |
| -70.71 | -183.85 | 0.00007 | -77.78 | -176.78 | 0.00007 |
| -84.85 | -169.71 | 0.00007 | -91.92 | -162.63 | 0.00006 |
| -98.99 | -155.56 | 0.00006 | -106.07 | -148.49 | 0.00006 |
| -109.60 | -144.96 | 0.00006 | -113.14 | -141.42 | 0.00005 |
| -115.26 | -139.30 | 0.00005 | -116.67 | -137.89 | 0.00005 |
| -118.09 | -136.47 | 0.00005 | -119.50 | -135.06 | 0.00005 |
| -120.92 | -133.64 | 0.00005 | -133.64 | -120.92 | 0.00005 |
| -135.06 | -119.50 | 0.00005 | -136.47 | -118.09 | 0.00005 |
| -137.89 | -116.67 | 0.00005 | -139.30 | -115.26 | 0.00005 |
| -141.42 | -113.14 | 0.00005 | -144.96 | -109.60 | 0.00005 |
| -148.49 | -106.07 | 0.00005 | -155.56 | -98.99 | 0.00005 |
| -162.63 | -91.92 | 0.00005 | -169.71 | -84.85 | 0.00005 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -176.78 | -77.78 | 0.00005 | -183.85 | -70.71 | 0.00005 |
| -190.92 | -63.64 | 0.00005 | -197.99 | -56.57 | 0.00005 |
| -63.64 | -205.06 | 0.00007 | -70.71 | -197.99 | 0.00007 |
| -77.78 | -190.92 | 0.00007 | -84.85 | -183.85 | 0.00006 |
| -91.92 | -176.78 | 0.00006 | -98.99 | -169.71 | 0.00006 |
| -106.07 | -162.63 | 0.00006 | -113.14 | -155.56 | 0.00005 |
| -116.67 | -152.03 | 0.00005 | -120.21 | -148.49 | 0.00005 |
| -122.33 | -146.37 | 0.00005 | -123.74 | -144.96 | 0.00005 |
| -125.16 | -143.54 | 0.00005 | -126.57 | -142.13 | 0.00005 |
| -127.99 | -140.71 | 0.00005 | -140.71 | -127.99 | 0.00005 |
| -142.13 | -126.57 | 0.00005 | -143.54 | -125.16 | 0.00005 |
| -144.96 | -123.74 | 0.00005 | -146.37 | -122.33 | 0.00005 |
| -148.49 | -120.21 | 0.00005 | -152.03 | -116.67 | 0.00005 |
| -155.56 | -113.14 | 0.00005 | -162.63 | -106.07 | 0.00005 |
| -169.71 | -98.99 | 0.00005 | -176.78 | -91.92 | 0.00005 |
| -183.85 | -84.85 | 0.00004 | -190.92 | -77.78 | 0.00004 |
| -197.99 | -70.71 | 0.00004 | -205.06 | -63.64 | 0.00004 |
| -70.71 | -212.13 | 0.00006 | -77.78 | -205.06 | 0.00006 |
| -84.85 | -197.99 | 0.00006 | -91.92 | -190.92 | 0.00006 |
| -98.99 | -183.85 | 0.00006 | -106.07 | -176.78 | 0.00005 |
| -113.14 | -169.71 | 0.00005 | -120.21 | -162.63 | 0.00005 |
| -123.74 | -159.10 | 0.00005 | -127.28 | -155.56 | 0.00005 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** *** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40 | -153.44 | 0.00005 | -130.81 | -152.03 | 0.00005 |
| -132.23 | -150.61 | 0.00005 | -133.64 | -149.20 | 0.00005 |
| -135.06 | -147.79 | 0.00005 | -147.79 | -135.06 | 0.00004 |
| -149.20 | -133.64 | 0.00005 | -150.61 | -132.23 | 0.00005 |
| -152.03 | -130.81 | 0.00005 | -153.44 | -129.40 | 0.00005 |
| -155.56 | -127.28 | 0.00005 | -159.10 | -123.74 | 0.00005 |
| -162.63 | -120.21 | 0.00005 | -169.71 | -113.14 | 0.00005 |
| -176.78 | -106.07 | 0.00004 | -183.85 | -98.99 | 0.00004 |
| -190.92 | -91.92 | 0.00004 | -197.99 | -84.85 | 0.00004 |
| -205.06 | -77.78 | 0.00004 | -212.13 | -70.71 | 0.00004 |
| -77.78 | -219.20 | 0.00006 | -84.85 | -212.13 | 0.00006 |
| -91.92 | -205.06 | 0.00006 | -98.99 | -197.99 | 0.00006 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -106.07 | -190.92 | 0.00005 | -113.14 | -183.85 | 0.00005 |
| -120.21 | -176.78 | 0.00005 | -127.28 | -169.71 | 0.00005 |
| -130.81 | -166.17 | 0.00004 | -134.35 | -162.63 | 0.00004 |
| -136.47 | -160.51 | 0.00004 | -137.89 | -159.10 | 0.00004 |
| -139.30 | -157.68 | 0.00004 | -140.71 | -156.27 | 0.00004 |
| -142.13 | -154.86 | 0.00004 | -154.86 | -142.13 | 0.00004 |
| -156.27 | -140.71 | 0.00004 | -157.68 | -139.30 | 0.00004 |
| -159.10 | -137.89 | 0.00004 | -160.51 | -136.47 | 0.00004 |
| -162.63 | -134.35 | 0.00004 | -166.17 | -130.81 | 0.00004 |
| -169.71 | -127.28 | 0.00004 | -176.78 | -120.21 | 0.00004 |
| -183.85 | -113.14 | 0.00004 | -190.92 | -106.07 | 0.00004 |
| -197.99 | -98.99 | 0.00004 | -205.06 | -91.92 | 0.00004 |
| -212.13 | -84.85 | 0.00004 | -219.20 | -77.78 | 0.00004 |
| -84.85 | -226.27 | 0.00006 | -91.92 | -219.20 | 0.00005 |
| -98.99 | -212.13 | 0.00005 | -106.07 | -205.06 | 0.00005 |
| -113.14 | -197.99 | 0.00005 | -120.21 | -190.92 | 0.00005 |
| -127.28 | -183.85 | 0.00005 | -134.35 | -176.78 | 0.00004 |
| -137.89 | -173.24 | 0.00004 | -141.42 | -169.71 | 0.00004 |
| -143.54 | -167.58 | 0.00004 | -144.96 | -166.17 | 0.00004 |
| -146.37 | -164.76 | 0.00004 | -147.79 | -163.34 | 0.00004 |
| -149.20 | -161.93 | 0.00004 | -161.93 | -149.20 | 0.00004 |
| -163.34 | -147.79 | 0.00004 | -164.76 | -146.37 | 0.00004 |
| -166.17 | -144.96 | 0.00004 | -167.58 | -143.54 | 0.00004 |
| -169.71 | -141.42 | 0.00004 | -173.24 | -137.89 | 0.00004 |
| -176.78 | -134.35 | 0.00004 | -183.85 | -127.28 | 0.00004 |
| -190.92 | -120.21 | 0.00004 | -197.99 | -113.14 | 0.00004 |
| -205.06 | -106.07 | 0.00004 | -212.13 | -98.99 | 0.00004 |
| -219.20 | -91.92 | 0.00004 | -226.27 | -84.85 | 0.00004 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 *** INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -91.92 | -233.35 | 0.00005 | -98.99 | -226.27 | 0.00005 |
| -106.07 | -219.20 | 0.00005 | -113.14 | -212.13 | 0.00005 |
| -120.21 | -205.06 | 0.00005 | -127.28 | -197.99 | 0.00004 |
| -134.35 | -190.92 | 0.00004 | -141.42 | -183.85 | 0.00004 |
| -144.96 | -180.31 | 0.00004 | -148.49 | -176.78 | 0.00004 |
| -150.61 | -174.66 | 0.00004 | -152.03 | -173.24 | 0.00004 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -153.44 | -171.83 | 0.00004 | -154.86 | -170.41 | 0.00004 |
| -156.27 | -169.00 | 0.00004 | -169.00 | -156.27 | 0.00004 |
| -170.41 | -154.86 | 0.00004 | -171.83 | -153.44 | 0.00004 |
| -173.24 | -152.03 | 0.00004 | -174.66 | -150.61 | 0.00004 |
| -176.78 | -148.49 | 0.00004 | -180.31 | -144.96 | 0.00004 |
| -183.85 | -141.42 | 0.00004 | -190.92 | -134.35 | 0.00004 |
| -197.99 | -127.28 | 0.00004 | -205.06 | -120.21 | 0.00004 |
| -212.13 | -113.14 | 0.00004 | -219.20 | -106.07 | 0.00003 |
| -226.27 | -98.99 | 0.00003 | -233.35 | -91.92 | 0.00003 |
| -98.99 | -240.42 | 0.00005 | -106.07 | -233.35 | 0.00005 |
| -113.14 | -226.27 | 0.00005 | -120.21 | -219.20 | 0.00005 |
| -127.28 | -212.13 | 0.00004 | -134.35 | -205.06 | 0.00004 |
| -141.42 | -197.99 | 0.00004 | -148.49 | -190.92 | 0.00004 |
| -152.03 | -187.38 | 0.00004 | -155.56 | -183.85 | 0.00004 |
| -157.68 | -181.73 | 0.00004 | -159.10 | -180.31 | 0.00004 |
| -160.51 | -178.90 | 0.00004 | -161.93 | -177.48 | 0.00004 |
| -163.34 | -176.07 | 0.00004 | -176.07 | -163.34 | 0.00004 |
| -177.48 | -161.93 | 0.00004 | -178.90 | -160.51 | 0.00004 |
| -180.31 | -159.10 | 0.00004 | -181.73 | -157.68 | 0.00004 |
| -183.85 | -155.56 | 0.00004 | -187.38 | -152.03 | 0.00004 |
| -190.92 | -148.49 | 0.00004 | -197.99 | -141.42 | 0.00004 |
| -205.06 | -134.35 | 0.00004 | -212.13 | -127.28 | 0.00003 |
| -219.20 | -120.21 | 0.00003 | -226.27 | -113.14 | 0.00003 |
| -233.35 | -106.07 | 0.00003 | -240.42 | -98.99 | 0.00003 |
| -106.07 | -247.49 | 0.00005 | -113.14 | -240.42 | 0.00005 |
| -120.21 | -233.35 | 0.00004 | -127.28 | -226.27 | 0.00004 |
| -134.35 | -219.20 | 0.00004 | -141.42 | -212.13 | 0.00004 |
| -148.49 | -205.06 | 0.00004 | -155.56 | -197.99 | 0.00004 |
| -159.10 | -194.45 | 0.00004 | -162.63 | -190.92 | 0.00003 |
| -164.76 | -188.80 | 0.00003 | -166.17 | -187.38 | 0.00003 |
| -167.58 | -185.97 | 0.00003 | -169.00 | -184.55 | 0.00003 |
| -170.41 | -183.14 | 0.00003 | -183.14 | -170.41 | 0.00003 |
| -184.55 | -169.00 | 0.00003 | -185.97 | -167.58 | 0.00003 |
| -187.38 | -166.17 | 0.00003 | -188.80 | -164.76 | 0.00003 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S4
 *** INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|------|-------------|-------------|------|
|-------------|-------------|------|-------------|-------------|------|

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -190.92 | -162.63 | 0.00003 | -194.45 | -159.10 | 0.00003 |
| -197.99 | -155.56 | 0.00003 | -205.06 | -148.49 | 0.00003 |
| -212.13 | -141.42 | 0.00003 | -219.20 | -134.35 | 0.00003 |
| -226.27 | -127.28 | 0.00003 | -233.35 | -120.21 | 0.00003 |
| -240.42 | -113.14 | 0.00003 | -247.49 | -106.07 | 0.00003 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 *** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| | | ** CONC OF OTHER | IN MICROGRAMS/M**3 | | ** |
|-------------|-------------|------------------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| 247.49 | 106.07 | 0.00110 | 240.42 | 113.14 | 0.00116 |
| 233.35 | 120.21 | 0.00121 | 226.27 | 127.28 | 0.00125 |
| 219.20 | 134.35 | 0.00126 | 212.13 | 141.42 | 0.00122 |
| 205.06 | 148.49 | 0.00111 | 197.99 | 155.56 | 0.00093 |
| 194.45 | 159.10 | 0.00081 | 190.92 | 162.63 | 0.00068 |
| 188.80 | 164.76 | 0.00061 | 187.38 | 166.17 | 0.00057 |
| 185.97 | 167.58 | 0.00053 | 184.55 | 169.00 | 0.00049 |
| 183.14 | 170.41 | 0.00047 | 170.41 | 183.14 | 0.00032 |
| 169.00 | 184.55 | 0.00031 | 167.58 | 185.97 | 0.00030 |
| 166.17 | 187.38 | 0.00029 | 164.76 | 188.80 | 0.00028 |
| 162.63 | 190.92 | 0.00027 | 159.10 | 194.45 | 0.00026 |
| 155.56 | 197.99 | 0.00025 | 148.49 | 205.06 | 0.00025 |
| 141.42 | 212.13 | 0.00024 | 134.35 | 219.20 | 0.00024 |
| 127.28 | 226.27 | 0.00023 | 120.21 | 233.35 | 0.00022 |
| 113.14 | 240.42 | 0.00020 | 106.07 | 247.49 | 0.00019 |
| 240.42 | 98.99 | 0.00134 | 233.35 | 106.07 | 0.00145 |
| 226.27 | 113.14 | 0.00155 | 219.20 | 120.21 | 0.00166 |
| 212.13 | 127.28 | 0.00174 | 205.06 | 134.35 | 0.00179 |
| 197.99 | 141.42 | 0.00178 | 190.92 | 148.49 | 0.00163 |
| 187.38 | 152.03 | 0.00149 | 183.85 | 155.56 | 0.00128 |
| 181.73 | 157.68 | 0.00114 | 180.31 | 159.10 | 0.00104 |
| 178.90 | 160.51 | 0.00094 | 177.48 | 161.93 | 0.00084 |
| 176.07 | 163.34 | 0.00075 | 163.34 | 176.07 | 0.00042 |
| 161.93 | 177.48 | 0.00040 | 160.51 | 178.90 | 0.00039 |
| 159.10 | 180.31 | 0.00038 | 157.68 | 181.73 | 0.00037 |
| 155.56 | 183.85 | 0.00037 | 152.03 | 187.38 | 0.00036 |
| 148.49 | 190.92 | 0.00036 | 141.42 | 197.99 | 0.00036 |
| 134.35 | 205.06 | 0.00034 | 127.28 | 212.13 | 0.00032 |
| 120.21 | 219.20 | 0.00030 | 113.14 | 226.27 | 0.00028 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 106.07 | 233.35 | 0.00025 | 98.99 | 240.42 | 0.00023 |
| 233.35 | 91.92 | 0.00159 | 226.27 | 98.99 | 0.00176 |
| 219.20 | 106.07 | 0.00194 | 212.13 | 113.14 | 0.00213 |
| 205.06 | 120.21 | 0.00234 | 197.99 | 127.28 | 0.00254 |
| 190.92 | 134.35 | 0.00272 | 183.85 | 141.42 | 0.00280 |
| 180.31 | 144.96 | 0.00277 | 176.78 | 148.49 | 0.00265 |
| 174.66 | 150.61 | 0.00251 | 173.24 | 152.03 | 0.00239 |
| 171.83 | 153.44 | 0.00223 | 170.41 | 154.86 | 0.00203 |
| 169.00 | 156.27 | 0.00178 | 156.27 | 169.00 | 0.00061 |
| 154.86 | 170.41 | 0.00061 | 153.44 | 171.83 | 0.00061 |
| 152.03 | 173.24 | 0.00061 | 150.61 | 174.66 | 0.00061 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 104
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 *** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 148.49 | 176.78 | 0.00061 | 144.96 | 180.31 | 0.00060 |
| 141.42 | 183.85 | 0.00058 | 134.35 | 190.92 | 0.00053 |
| 127.28 | 197.99 | 0.00048 | 120.21 | 205.06 | 0.00043 |
| 113.14 | 212.13 | 0.00039 | 106.07 | 219.20 | 0.00035 |
| 99.00 | 226.27 | 0.00031 | 91.92 | 233.35 | 0.00028 |
| 226.27 | 84.85 | 0.00182 | 219.20 | 91.92 | 0.00204 |
| 212.13 | 98.99 | 0.00230 | 205.06 | 106.07 | 0.00259 |
| 197.99 | 113.14 | 0.00292 | 190.92 | 120.21 | 0.00329 |
| 183.85 | 127.28 | 0.00369 | 176.78 | 134.35 | 0.00408 |
| 173.24 | 137.89 | 0.00425 | 169.71 | 141.42 | 0.00435 |
| 167.58 | 143.54 | 0.00438 | 166.17 | 144.96 | 0.00437 |
| 164.76 | 146.37 | 0.00436 | 163.34 | 147.79 | 0.00435 |
| 161.93 | 149.20 | 0.00433 | 149.20 | 161.93 | 0.00120 |
| 147.79 | 163.34 | 0.00114 | 146.37 | 164.76 | 0.00110 |
| 144.96 | 166.17 | 0.00107 | 143.54 | 167.58 | 0.00104 |
| 141.42 | 169.71 | 0.00100 | 137.89 | 173.24 | 0.00093 |
| 134.35 | 176.78 | 0.00087 | 127.28 | 183.85 | 0.00075 |
| 120.21 | 190.92 | 0.00064 | 113.14 | 197.99 | 0.00056 |
| 106.07 | 205.06 | 0.00049 | 99.00 | 212.13 | 0.00043 |
| 91.92 | 219.20 | 0.00038 | 84.85 | 226.27 | 0.00034 |
| 219.20 | 77.78 | 0.00201 | 212.13 | 84.85 | 0.00228 |
| 205.06 | 91.92 | 0.00259 | 197.99 | 98.99 | 0.00296 |
| 190.92 | 106.07 | 0.00339 | 183.85 | 113.14 | 0.00387 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 176.78 | 120.21 | 0.00439 | 169.71 | 127.28 | 0.00488 |
| 166.17 | 130.81 | 0.00507 | 162.63 | 134.35 | 0.00518 |
| 160.51 | 136.47 | 0.00518 | 159.10 | 137.89 | 0.00514 |
| 157.68 | 139.30 | 0.00508 | 156.27 | 140.71 | 0.00500 |
| 154.86 | 142.13 | 0.00491 | 142.13 | 154.86 | 0.00146 |
| 140.71 | 156.27 | 0.00142 | 139.30 | 157.68 | 0.00138 |
| 137.89 | 159.10 | 0.00135 | 136.47 | 160.51 | 0.00132 |
| 134.35 | 162.63 | 0.00128 | 130.81 | 166.17 | 0.00119 |
| 127.28 | 169.71 | 0.00110 | 120.21 | 176.78 | 0.00093 |
| 113.14 | 183.85 | 0.00079 | 106.07 | 190.92 | 0.00067 |
| 99.00 | 197.99 | 0.00058 | 91.92 | 205.06 | 0.00050 |
| 84.85 | 212.13 | 0.00044 | 77.78 | 219.20 | 0.00038 |
| 212.13 | 70.71 | 0.00214 | 205.06 | 77.78 | 0.00244 |
| 197.99 | 84.85 | 0.00280 | 190.92 | 91.92 | 0.00322 |
| 183.85 | 98.99 | 0.00370 | 176.78 | 106.07 | 0.00424 |
| 169.71 | 113.14 | 0.00481 | 162.63 | 120.21 | 0.00531 |
| 159.10 | 123.74 | 0.00547 | 155.56 | 127.28 | 0.00552 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 *** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44 | 129.40 | 0.00548 | 152.03 | 130.81 | 0.00542 |
| 150.61 | 132.23 | 0.00533 | 149.20 | 133.64 | 0.00521 |
| 147.79 | 135.06 | 0.00510 | 135.06 | 147.79 | 0.00159 |
| 133.64 | 149.20 | 0.00155 | 132.23 | 150.61 | 0.00152 |
| 130.81 | 152.03 | 0.00149 | 129.40 | 153.44 | 0.00147 |
| 127.28 | 155.56 | 0.00143 | 123.74 | 159.10 | 0.00135 |
| 120.21 | 162.63 | 0.00126 | 113.14 | 169.71 | 0.00108 |
| 106.07 | 176.78 | 0.00091 | 98.99 | 183.85 | 0.00077 |
| 91.92 | 190.92 | 0.00065 | 84.85 | 197.99 | 0.00056 |
| 77.78 | 205.06 | 0.00049 | 70.71 | 212.13 | 0.00042 |
| 205.06 | 63.64 | 0.00220 | 197.99 | 70.71 | 0.00253 |
| 190.92 | 77.78 | 0.00291 | 183.85 | 84.85 | 0.00336 |
| 176.78 | 91.92 | 0.00387 | 169.71 | 98.99 | 0.00445 |
| 162.63 | 106.07 | 0.00504 | 155.56 | 113.14 | 0.00552 |
| 152.03 | 116.67 | 0.00566 | 148.49 | 120.21 | 0.00568 |
| 146.37 | 122.33 | 0.00562 | 144.96 | 123.74 | 0.00555 |
| 143.54 | 125.16 | 0.00546 | 142.13 | 126.57 | 0.00533 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 140.71 | 127.99 | 0.00521 | 127.99 | 140.71 | 0.00166 |
| 126.57 | 142.13 | 0.00163 | 125.16 | 143.54 | 0.00160 |
| 123.74 | 144.96 | 0.00158 | 122.33 | 146.37 | 0.00156 |
| 120.21 | 148.49 | 0.00152 | 116.67 | 152.03 | 0.00144 |
| 113.14 | 155.56 | 0.00136 | 106.07 | 162.63 | 0.00118 |
| 98.99 | 169.71 | 0.00100 | 91.92 | 176.78 | 0.00085 |
| 84.85 | 183.85 | 0.00072 | 77.78 | 190.92 | 0.00061 |
| 70.71 | 197.99 | 0.00053 | 63.64 | 205.06 | 0.00046 |
| 197.99 | 56.57 | 0.00220 | 190.92 | 63.64 | 0.00253 |
| 183.85 | 70.71 | 0.00291 | 176.78 | 77.78 | 0.00338 |
| 169.71 | 84.85 | 0.00391 | 162.63 | 91.92 | 0.00450 |
| 155.56 | 98.99 | 0.00510 | 148.49 | 106.07 | 0.00558 |
| 144.96 | 109.60 | 0.00572 | 141.42 | 113.14 | 0.00574 |
| 139.30 | 115.26 | 0.00568 | 137.89 | 116.67 | 0.00561 |
| 136.47 | 118.09 | 0.00551 | 135.06 | 119.50 | 0.00539 |
| 133.64 | 120.92 | 0.00526 | 120.92 | 133.64 | 0.00171 |
| 119.50 | 135.06 | 0.00167 | 118.09 | 136.47 | 0.00165 |
| 116.67 | 137.89 | 0.00163 | 115.26 | 139.30 | 0.00161 |
| 113.14 | 141.42 | 0.00157 | 109.60 | 144.96 | 0.00150 |
| 106.07 | 148.49 | 0.00142 | 98.99 | 155.56 | 0.00124 |
| 91.92 | 162.63 | 0.00106 | 84.85 | 169.71 | 0.00090 |
| 77.78 | 176.78 | 0.00076 | 70.71 | 183.85 | 0.00065 |
| 63.64 | 190.92 | 0.00055 | 56.57 | 197.99 | 0.00048 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 *** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 190.92 | 49.50 | 0.00214 | 183.85 | 56.57 | 0.00245 |
| 176.78 | 63.64 | 0.00283 | 169.71 | 70.71 | 0.00328 |
| 162.63 | 77.78 | 0.00380 | 155.56 | 84.85 | 0.00438 |
| 148.49 | 91.92 | 0.00499 | 141.42 | 98.99 | 0.00550 |
| 137.89 | 102.53 | 0.00567 | 134.35 | 106.07 | 0.00571 |
| 132.23 | 108.19 | 0.00567 | 130.81 | 109.60 | 0.00560 |
| 129.40 | 111.02 | 0.00551 | 127.99 | 112.43 | 0.00539 |
| 126.57 | 113.84 | 0.00526 | 113.84 | 126.57 | 0.00172 |
| 112.43 | 127.99 | 0.00169 | 111.02 | 129.40 | 0.00167 |
| 109.60 | 130.81 | 0.00165 | 108.19 | 132.23 | 0.00163 |
| 106.07 | 134.35 | 0.00160 | 102.53 | 137.89 | 0.00153 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 98.99 | 141.42 | 0.00145 | 91.92 | 148.49 | 0.00126 |
| 84.85 | 155.56 | 0.00108 | 77.78 | 162.63 | 0.00092 |
| 70.71 | 169.71 | 0.00078 | 63.64 | 176.78 | 0.00067 |
| 56.57 | 183.85 | 0.00057 | 49.50 | 190.92 | 0.00049 |
| 183.85 | 42.43 | 0.00202 | 176.78 | 49.50 | 0.00231 |
| 169.71 | 56.57 | 0.00265 | 162.63 | 63.64 | 0.00306 |
| 155.56 | 70.71 | 0.00353 | 148.49 | 77.78 | 0.00407 |
| 141.42 | 84.85 | 0.00466 | 134.35 | 91.92 | 0.00522 |
| 130.81 | 95.46 | 0.00542 | 127.28 | 98.99 | 0.00553 |
| 125.16 | 101.12 | 0.00552 | 123.74 | 102.53 | 0.00548 |
| 122.33 | 103.94 | 0.00541 | 120.92 | 105.36 | 0.00530 |
| 119.50 | 106.77 | 0.00518 | 106.77 | 119.50 | 0.00171 |
| 105.36 | 120.92 | 0.00167 | 103.94 | 122.33 | 0.00165 |
| 102.53 | 123.74 | 0.00164 | 101.12 | 125.16 | 0.00162 |
| 98.99 | 127.28 | 0.00159 | 95.46 | 130.81 | 0.00152 |
| 91.92 | 134.35 | 0.00144 | 84.85 | 141.42 | 0.00125 |
| 77.78 | 148.49 | 0.00106 | 70.71 | 155.56 | 0.00090 |
| 63.64 | 162.63 | 0.00077 | 56.57 | 169.71 | 0.00066 |
| 49.50 | 176.78 | 0.00057 | 42.43 | 183.85 | 0.00049 |
| 176.78 | 35.36 | 0.00184 | 169.71 | 42.43 | 0.00208 |
| 162.63 | 49.50 | 0.00237 | 155.56 | 56.57 | 0.00271 |
| 148.49 | 63.64 | 0.00311 | 141.42 | 70.71 | 0.00356 |
| 134.35 | 77.78 | 0.00405 | 127.28 | 84.85 | 0.00456 |
| 123.74 | 88.39 | 0.00480 | 120.21 | 91.92 | 0.00498 |
| 118.09 | 94.05 | 0.00505 | 116.67 | 95.46 | 0.00506 |
| 115.26 | 96.87 | 0.00505 | 113.84 | 98.29 | 0.00500 |
| 112.43 | 99.70 | 0.00494 | 99.70 | 112.43 | 0.00165 |
| 98.29 | 113.84 | 0.00162 | 96.87 | 115.26 | 0.00160 |
| 95.46 | 116.67 | 0.00158 | 94.05 | 118.09 | 0.00156 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 107

CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5

*** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 91.92 | 120.21 | 0.00153 | 88.39 | 123.74 | 0.00145 |
| 84.85 | 127.28 | 0.00136 | 77.78 | 134.35 | 0.00118 |
| 70.71 | 141.42 | 0.00100 | 63.64 | 148.49 | 0.00085 |
| 56.57 | 155.56 | 0.00073 | 49.50 | 162.63 | 0.00063 |
| 42.43 | 169.71 | 0.00055 | 35.36 | 176.78 | 0.00047 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 169.71 | 28.28 | 0.00162 | 162.63 | 35.36 | 0.00181 |
| 155.56 | 42.43 | 0.00203 | 148.49 | 49.50 | 0.00227 |
| 141.42 | 56.57 | 0.00255 | 134.35 | 63.64 | 0.00284 |
| 127.28 | 70.71 | 0.00315 | 120.21 | 77.78 | 0.00343 |
| 116.67 | 81.32 | 0.00355 | 113.14 | 84.85 | 0.00366 |
| 111.02 | 86.97 | 0.00371 | 109.60 | 88.39 | 0.00375 |
| 108.19 | 89.80 | 0.00379 | 106.77 | 91.22 | 0.00385 |
| 105.36 | 92.63 | 0.00393 | 92.63 | 105.36 | 0.00148 |
| 91.22 | 106.77 | 0.00144 | 89.80 | 108.19 | 0.00140 |
| 88.39 | 109.60 | 0.00138 | 86.97 | 111.02 | 0.00135 |
| 84.85 | 113.14 | 0.00131 | 81.32 | 116.67 | 0.00125 |
| 77.78 | 120.21 | 0.00118 | 70.71 | 127.28 | 0.00103 |
| 63.64 | 134.35 | 0.00089 | 56.57 | 141.42 | 0.00077 |
| 49.50 | 148.49 | 0.00067 | 42.43 | 155.56 | 0.00058 |
| 35.36 | 162.63 | 0.00051 | 28.28 | 169.71 | 0.00045 |
| 162.63 | 21.21 | 0.00139 | 155.56 | 28.28 | 0.00152 |
| 148.49 | 35.36 | 0.00167 | 141.42 | 42.43 | 0.00182 |
| 134.35 | 49.50 | 0.00197 | 127.28 | 56.57 | 0.00211 |
| 120.21 | 63.64 | 0.00219 | 113.14 | 70.71 | 0.00217 |
| 109.60 | 74.25 | 0.00210 | 106.07 | 77.78 | 0.00197 |
| 103.94 | 79.90 | 0.00186 | 102.53 | 81.32 | 0.00177 |
| 101.12 | 82.73 | 0.00167 | 99.70 | 84.15 | 0.00156 |
| 98.29 | 85.56 | 0.00143 | 85.56 | 98.29 | 0.00091 |
| 84.15 | 99.70 | 0.00092 | 82.73 | 101.12 | 0.00093 |
| 81.32 | 102.53 | 0.00093 | 79.90 | 103.94 | 0.00094 |
| 77.78 | 106.07 | 0.00094 | 74.25 | 109.60 | 0.00093 |
| 70.71 | 113.14 | 0.00091 | 63.64 | 120.21 | 0.00083 |
| 56.57 | 127.28 | 0.00075 | 49.50 | 134.35 | 0.00066 |
| 42.43 | 141.42 | 0.00058 | 35.36 | 148.49 | 0.00052 |
| 28.28 | 155.56 | 0.00046 | 21.21 | 162.63 | 0.00041 |
| 155.56 | 14.14 | 0.00117 | 148.49 | 21.21 | 0.00126 |
| 141.42 | 28.28 | 0.00134 | 134.35 | 35.36 | 0.00142 |
| 127.28 | 42.43 | 0.00149 | 120.21 | 49.50 | 0.00152 |
| 113.14 | 56.57 | 0.00149 | 106.07 | 63.64 | 0.00138 |
| 102.53 | 67.18 | 0.00128 | 98.99 | 70.71 | 0.00115 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 108
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 *** INCLUDING SOURCE(S): NCRA_S5 ,
 *** DISCRETE CARTESIAN RECEPTOR POINTS ***
 ** CONC OF OTHER IN MICROGRAMS/M**3 **

| 15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound | | | | | |
|--|-------------|---------|-------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| 96.87 | 72.83 | 0.00107 | 95.46 | 74.25 | 0.00101 |
| 94.05 | 75.66 | 0.00096 | 92.63 | 77.07 | 0.00090 |
| 91.22 | 78.49 | 0.00085 | 78.49 | 91.22 | 0.00065 |
| 77.07 | 92.63 | 0.00065 | 75.66 | 94.05 | 0.00065 |
| 74.25 | 95.46 | 0.00066 | 72.83 | 96.87 | 0.00066 |
| 70.71 | 98.99 | 0.00067 | 67.18 | 102.53 | 0.00068 |
| 63.64 | 106.07 | 0.00069 | 56.57 | 113.14 | 0.00067 |
| 49.50 | 120.21 | 0.00062 | 42.43 | 127.28 | 0.00056 |
| 35.36 | 134.35 | 0.00050 | 28.28 | 141.42 | 0.00045 |
| 21.21 | 148.49 | 0.00041 | 14.14 | 155.56 | 0.00037 |
| 148.49 | 7.07 | 0.00097 | 141.42 | 14.14 | 0.00103 |
| 134.35 | 21.21 | 0.00107 | 127.28 | 28.28 | 0.00111 |
| 120.21 | 35.36 | 0.00112 | 113.14 | 42.43 | 0.00111 |
| 106.07 | 49.50 | 0.00105 | 98.99 | 56.57 | 0.00093 |
| 95.46 | 60.10 | 0.00086 | 91.92 | 63.64 | 0.00080 |
| 89.80 | 65.76 | 0.00076 | 88.39 | 67.18 | 0.00073 |
| 86.97 | 68.59 | 0.00070 | 85.56 | 70.00 | 0.00067 |
| 84.15 | 71.42 | 0.00064 | 71.42 | 84.15 | 0.00052 |
| 70.00 | 85.56 | 0.00052 | 68.59 | 86.97 | 0.00052 |
| 67.18 | 88.39 | 0.00052 | 65.76 | 89.80 | 0.00052 |
| 63.64 | 91.92 | 0.00052 | 60.10 | 95.46 | 0.00052 |
| 56.57 | 98.99 | 0.00052 | 49.50 | 106.07 | 0.00052 |
| 42.43 | 113.14 | 0.00050 | 35.36 | 120.21 | 0.00047 |
| 28.28 | 127.28 | 0.00043 | 21.21 | 134.35 | 0.00040 |
| 14.14 | 141.42 | 0.00036 | 7.07 | 148.49 | 0.00033 |
| 141.42 | 0.00 | 0.00081 | 134.35 | 7.07 | 0.00084 |
| 127.28 | 14.14 | 0.00086 | 120.21 | 21.21 | 0.00086 |
| 113.14 | 28.28 | 0.00085 | 106.07 | 35.36 | 0.00082 |
| 98.99 | 42.43 | 0.00076 | 91.92 | 49.50 | 0.00068 |
| 88.39 | 53.03 | 0.00065 | 84.85 | 56.57 | 0.00061 |
| 82.73 | 58.69 | 0.00059 | 81.32 | 60.10 | 0.00057 |
| 79.90 | 61.52 | 0.00055 | 78.49 | 62.93 | 0.00053 |
| 77.07 | 64.35 | 0.00051 | 64.35 | 77.07 | 0.00043 |
| 62.93 | 78.49 | 0.00043 | 61.52 | 79.90 | 0.00043 |
| 60.10 | 81.32 | 0.00042 | 58.69 | 82.73 | 0.00042 |
| 56.57 | 84.85 | 0.00042 | 53.03 | 88.39 | 0.00042 |
| 49.50 | 91.92 | 0.00042 | 42.43 | 98.99 | 0.00042 |
| 35.36 | 106.07 | 0.00040 | 28.28 | 113.14 | 0.00039 |
| 21.21 | 120.21 | 0.00037 | 14.14 | 127.28 | 0.00034 |
| 7.07 | 134.35 | 0.00032 | 0.00 | 141.42 | 0.00029 |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43
**MODELOPTS:

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
*** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 134.35 | -7.07 | 0.00067 | 127.28 | 0.00 | 0.00068 |
| 120.21 | 7.07 | 0.00069 | 113.14 | 14.14 | 0.00068 |
| 106.07 | 21.21 | 0.00065 | 98.99 | 28.28 | 0.00062 |
| 91.92 | 35.36 | 0.00057 | 84.85 | 42.43 | 0.00053 |
| 81.32 | 45.96 | 0.00051 | 77.78 | 49.50 | 0.00049 |
| 75.66 | 51.62 | 0.00047 | 74.25 | 53.03 | 0.00046 |
| 72.83 | 54.45 | 0.00044 | 71.42 | 55.86 | 0.00043 |
| 70.00 | 57.28 | 0.00041 | 57.28 | 70.00 | 0.00036 |
| 55.86 | 71.42 | 0.00036 | 54.45 | 72.83 | 0.00036 |
| 53.03 | 74.25 | 0.00035 | 51.62 | 75.66 | 0.00035 |
| 49.50 | 77.78 | 0.00035 | 45.96 | 81.32 | 0.00035 |
| 42.43 | 84.85 | 0.00035 | 35.36 | 91.92 | 0.00034 |
| 28.28 | 98.99 | 0.00033 | 21.21 | 106.07 | 0.00032 |
| 14.14 | 113.14 | 0.00031 | 7.07 | 120.21 | 0.00029 |
| 0.00 | 127.28 | 0.00028 | -7.07 | 134.35 | 0.00026 |
| 127.28 | -14.14 | 0.00056 | 120.21 | -7.07 | 0.00056 |
| 113.14 | 0.00 | 0.00055 | 106.07 | 7.07 | 0.00053 |
| 98.99 | 14.14 | 0.00051 | 91.92 | 21.21 | 0.00048 |
| 84.85 | 28.28 | 0.00046 | 77.78 | 35.36 | 0.00043 |
| 74.25 | 38.89 | 0.00042 | 70.71 | 42.43 | 0.00040 |
| 68.59 | 44.55 | 0.00039 | 67.18 | 45.96 | 0.00037 |
| 65.76 | 47.38 | 0.00036 | 64.35 | 48.79 | 0.00035 |
| 62.93 | 50.20 | 0.00034 | 50.20 | 62.93 | 0.00031 |
| 48.79 | 64.35 | 0.00031 | 47.38 | 65.76 | 0.00030 |
| 45.96 | 67.18 | 0.00030 | 44.55 | 68.59 | 0.00030 |
| 42.43 | 70.71 | 0.00029 | 38.89 | 74.25 | 0.00029 |
| 35.36 | 77.78 | 0.00029 | 28.28 | 84.85 | 0.00029 |
| 21.21 | 91.92 | 0.00028 | 14.14 | 98.99 | 0.00027 |
| 7.07 | 106.07 | 0.00026 | 0.00 | 113.14 | 0.00025 |
| -7.07 | 120.21 | 0.00024 | -14.14 | 127.28 | 0.00023 |
| 120.21 | -21.21 | 0.00046 | 113.14 | -14.14 | 0.00046 |
| 106.07 | -7.07 | 0.00045 | 98.99 | 0.00 | 0.00043 |
| 91.92 | 7.07 | 0.00041 | 84.85 | 14.14 | 0.00039 |
| 77.78 | 21.21 | 0.00038 | 70.71 | 28.28 | 0.00036 |
| 67.18 | 31.82 | 0.00035 | 63.64 | 35.36 | 0.00033 |
| 61.52 | 37.48 | 0.00032 | 60.10 | 38.89 | 0.00031 |
| 58.69 | 40.31 | 0.00030 | 57.28 | 41.72 | 0.00029 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|-------|-------|---------|-------|-------|---------|
| 55.86 | 43.13 | 0.00028 | 43.13 | 55.86 | 0.00026 |
| 41.72 | 57.28 | 0.00026 | 40.31 | 58.69 | 0.00026 |
| 38.89 | 60.10 | 0.00026 | 37.48 | 61.52 | 0.00026 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** *** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 *** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 63.64 | 0.00025 | 31.82 | 67.18 | 0.00025 |
| 28.28 | 70.71 | 0.00025 | 21.21 | 77.78 | 0.00025 |
| 14.14 | 84.85 | 0.00024 | 7.07 | 91.92 | 0.00024 |
| 0.00 | 98.99 | 0.00023 | -7.07 | 106.07 | 0.00022 |
| -14.14 | 113.14 | 0.00021 | -21.21 | 120.21 | 0.00020 |
| 113.14 | -28.28 | 0.00039 | 106.07 | -21.21 | 0.00038 |
| 98.99 | -14.14 | 0.00036 | 91.92 | -7.07 | 0.00035 |
| 84.85 | 0.00 | 0.00034 | 77.78 | 7.07 | 0.00033 |
| 70.71 | 14.14 | 0.00032 | 63.64 | 21.21 | 0.00030 |
| 60.10 | 24.75 | 0.00029 | 56.57 | 28.28 | 0.00028 |
| 54.45 | 30.41 | 0.00027 | 53.03 | 31.82 | 0.00026 |
| 51.62 | 33.23 | 0.00025 | 50.20 | 34.65 | 0.00025 |
| 48.79 | 36.06 | 0.00024 | 36.06 | 48.79 | 0.00023 |
| 34.65 | 50.20 | 0.00023 | 33.23 | 51.62 | 0.00023 |
| 31.82 | 53.03 | 0.00022 | 30.41 | 54.45 | 0.00022 |
| 28.28 | 56.57 | 0.00022 | 24.75 | 60.10 | 0.00021 |
| 21.21 | 63.64 | 0.00021 | 14.14 | 70.71 | 0.00021 |
| 7.07 | 77.78 | 0.00021 | 0.00 | 84.85 | 0.00021 |
| -7.07 | 91.92 | 0.00020 | -14.14 | 98.99 | 0.00019 |
| -21.21 | 106.07 | 0.00018 | -28.28 | 113.14 | 0.00017 |
| 106.07 | -35.36 | 0.00032 | 98.99 | -28.28 | 0.00031 |
| 91.92 | -21.21 | 0.00030 | 84.85 | -14.14 | 0.00029 |
| 77.78 | -7.07 | 0.00029 | 70.71 | 0.00 | 0.00028 |
| 63.64 | 7.07 | 0.00027 | 56.57 | 14.14 | 0.00026 |
| 53.03 | 17.68 | 0.00025 | 49.50 | 21.21 | 0.00024 |
| 47.38 | 23.33 | 0.00023 | 45.96 | 24.75 | 0.00022 |
| 44.55 | 26.16 | 0.00022 | 43.13 | 27.58 | 0.00021 |
| 41.72 | 28.99 | 0.00021 | 28.99 | 41.72 | 0.00020 |
| 27.58 | 43.13 | 0.00020 | 26.16 | 44.55 | 0.00020 |
| 24.75 | 45.96 | 0.00020 | 23.33 | 47.38 | 0.00019 |
| 21.21 | 49.50 | 0.00019 | 17.68 | 53.03 | 0.00019 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 14.14 | 56.57 | 0.00018 | 7.07 | 63.64 | 0.00018 |
| 0.00 | 70.71 | 0.00018 | -7.07 | 77.78 | 0.00018 |
| -14.14 | 84.85 | 0.00018 | -21.21 | 91.92 | 0.00017 |
| -28.28 | 98.99 | 0.00016 | -35.36 | 106.07 | 0.00015 |
| 98.99 | -42.43 | 0.00027 | 91.92 | -35.36 | 0.00027 |
| 84.85 | -28.28 | 0.00026 | 77.78 | -21.21 | 0.00025 |
| 70.71 | -14.14 | 0.00025 | 63.64 | -7.07 | 0.00024 |
| 56.57 | 0.00 | 0.00023 | 49.50 | 7.07 | 0.00022 |
| 45.96 | 10.61 | 0.00021 | 42.43 | 14.14 | 0.00020 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5

INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.31 | 16.26 | 0.00020 | 38.89 | 17.68 | 0.00019 |
| 37.48 | 19.09 | 0.00019 | 36.06 | 20.51 | 0.00018 |
| 34.65 | 21.92 | 0.00018 | 21.92 | 34.65 | 0.00017 |
| 20.51 | 36.06 | 0.00017 | 19.09 | 37.48 | 0.00017 |
| 17.68 | 38.89 | 0.00017 | 16.26 | 40.31 | 0.00017 |
| 14.14 | 42.43 | 0.00017 | 10.61 | 45.96 | 0.00017 |
| 7.07 | 49.50 | 0.00016 | 0.00 | 56.57 | 0.00016 |
| -7.07 | 63.64 | 0.00016 | -14.14 | 70.71 | 0.00016 |
| -21.21 | 77.78 | 0.00016 | -28.28 | 84.85 | 0.00015 |
| -35.36 | 91.92 | 0.00015 | -42.43 | 98.99 | 0.00014 |
| 91.92 | -49.50 | 0.00023 | 84.85 | -42.43 | 0.00023 |
| 77.78 | -35.36 | 0.00022 | 70.71 | -28.28 | 0.00022 |
| 63.64 | -21.21 | 0.00021 | 56.57 | -14.14 | 0.00021 |
| 49.50 | -7.07 | 0.00020 | 42.43 | 0.00 | 0.00019 |
| 38.89 | 3.54 | 0.00018 | 35.36 | 7.07 | 0.00018 |
| 33.23 | 9.19 | 0.00017 | 31.82 | 10.61 | 0.00017 |
| 30.41 | 12.02 | 0.00016 | 28.99 | 13.44 | 0.00016 |
| 27.58 | 14.85 | 0.00016 | 14.85 | 27.58 | 0.00015 |
| 13.44 | 28.99 | 0.00015 | 12.02 | 30.41 | 0.00015 |
| 10.61 | 31.82 | 0.00015 | 9.19 | 33.23 | 0.00015 |
| 7.07 | 35.36 | 0.00015 | 3.54 | 38.89 | 0.00015 |
| 0.00 | 42.43 | 0.00014 | -7.07 | 49.50 | 0.00014 |
| -14.14 | 56.57 | 0.00014 | -21.21 | 63.64 | 0.00014 |
| -28.28 | 70.71 | 0.00014 | -35.36 | 77.78 | 0.00014 |
| -42.43 | 84.85 | 0.00013 | -49.50 | 91.92 | 0.00013 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 84.85 | -56.57 | 0.00020 | 77.78 | -49.50 | 0.00020 |
| 70.71 | -42.43 | 0.00019 | 63.64 | -35.36 | 0.00019 |
| 56.57 | -28.28 | 0.00019 | 49.50 | -21.21 | 0.00019 |
| 42.43 | -14.14 | 0.00018 | 35.36 | -7.07 | 0.00017 |
| 31.82 | -3.54 | 0.00016 | 28.28 | 0.00 | 0.00015 |
| 26.16 | 2.12 | 0.00015 | 24.75 | 3.54 | 0.00015 |
| 23.33 | 4.95 | 0.00014 | 21.92 | 6.36 | 0.00014 |
| 20.51 | 7.78 | 0.00014 | 7.78 | 20.51 | 0.00014 |
| 6.36 | 21.92 | 0.00014 | 4.95 | 23.33 | 0.00014 |
| 3.54 | 24.75 | 0.00014 | 2.12 | 26.16 | 0.00014 |
| 0.00 | 28.28 | 0.00013 | -3.54 | 31.82 | 0.00013 |
| -7.07 | 35.36 | 0.00013 | -14.14 | 42.43 | 0.00012 |
| -21.21 | 49.50 | 0.00012 | -28.28 | 56.57 | 0.00012 |
| -35.36 | 63.64 | 0.00012 | -42.43 | 70.71 | 0.00012 |
| -49.50 | 77.78 | 0.00012 | -56.57 | 84.85 | 0.00012 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

PAGE 112

CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5

INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 77.78 | -63.64 | 0.00018 | 70.71 | -56.57 | 0.00018 |
| 63.64 | -49.50 | 0.00017 | 56.57 | -42.43 | 0.00017 |
| 49.50 | -35.36 | 0.00017 | 42.43 | -28.28 | 0.00016 |
| 35.36 | -21.21 | 0.00016 | 28.28 | -14.14 | 0.00015 |
| 24.75 | -10.61 | 0.00014 | 21.21 | -7.07 | 0.00014 |
| 19.09 | -4.95 | 0.00013 | 17.68 | -3.54 | 0.00013 |
| 16.26 | -2.12 | 0.00013 | 14.85 | -0.71 | 0.00013 |
| 13.44 | 0.71 | 0.00012 | 0.71 | 13.44 | 0.00012 |
| -0.71 | 14.85 | 0.00012 | -2.12 | 16.26 | 0.00012 |
| -3.54 | 17.68 | 0.00012 | -4.95 | 19.09 | 0.00012 |
| -7.07 | 21.21 | 0.00012 | -10.61 | 24.75 | 0.00012 |
| -14.14 | 28.28 | 0.00012 | -21.21 | 35.36 | 0.00011 |
| -28.28 | 42.43 | 0.00011 | -35.36 | 49.50 | 0.00011 |
| -42.43 | 56.57 | 0.00011 | -49.50 | 63.64 | 0.00011 |
| -56.57 | 70.71 | 0.00011 | -63.64 | 77.78 | 0.00011 |
| 70.71 | -70.71 | 0.00016 | 63.64 | -63.64 | 0.00016 |
| 56.57 | -56.57 | 0.00015 | 49.50 | -49.50 | 0.00015 |
| 42.43 | -42.43 | 0.00015 | 35.36 | -35.36 | 0.00015 |
| 28.28 | -28.28 | 0.00014 | 21.21 | -21.21 | 0.00013 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 17.68 | -17.68 | 0.00013 | 14.14 | -14.14 | 0.00012 |
| 12.02 | -12.02 | 0.00012 | 10.61 | -10.61 | 0.00012 |
| 9.19 | -9.19 | 0.00011 | 7.78 | -7.78 | 0.00011 |
| 6.36 | -6.36 | 0.00011 | -6.36 | 6.36 | 0.00011 |
| -7.78 | 7.78 | 0.00011 | -9.19 | 9.19 | 0.00011 |
| -10.61 | 10.61 | 0.00011 | -12.02 | 12.02 | 0.00011 |
| -14.14 | 14.14 | 0.00011 | -17.68 | 17.68 | 0.00011 |
| -21.21 | 21.21 | 0.00011 | -28.28 | 28.28 | 0.00010 |
| -35.36 | 35.36 | 0.00010 | -42.43 | 42.43 | 0.00010 |
| -49.50 | 49.50 | 0.00010 | -56.57 | 56.57 | 0.00010 |
| -63.64 | 63.64 | 0.00010 | -70.71 | 70.71 | 0.00010 |
| 63.64 | -77.78 | 0.00014 | 56.57 | -70.71 | 0.00014 |
| 49.50 | -63.64 | 0.00014 | 42.43 | -56.57 | 0.00014 |
| 35.36 | -49.50 | 0.00014 | 28.28 | -42.43 | 0.00013 |
| 21.21 | -35.36 | 0.00013 | 14.14 | -28.28 | 0.00012 |
| 10.61 | -24.75 | 0.00011 | 7.07 | -21.21 | 0.00011 |
| 4.95 | -19.09 | 0.00011 | 3.54 | -17.68 | 0.00010 |
| 2.12 | -16.26 | 0.00010 | 0.71 | -14.85 | 0.00010 |
| -0.71 | -13.44 | 0.00010 | -13.44 | -0.71 | 0.00010 |
| -14.85 | 0.71 | 0.00010 | -16.26 | 2.12 | 0.00010 |
| -17.68 | 3.54 | 0.00010 | -19.09 | 4.95 | 0.00010 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5

INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -21.21 | 7.07 | 0.00010 | -24.75 | 10.61 | 0.00010 |
| -28.28 | 14.14 | 0.00010 | -35.36 | 21.21 | 0.00009 |
| -42.43 | 28.28 | 0.00009 | -49.50 | 35.36 | 0.00009 |
| -56.57 | 42.43 | 0.00009 | -63.64 | 49.50 | 0.00009 |
| -70.71 | 56.57 | 0.00009 | -77.78 | 63.64 | 0.00009 |
| 56.57 | -84.85 | 0.00013 | 49.50 | -77.78 | 0.00013 |
| 42.43 | -70.71 | 0.00013 | 35.36 | -63.64 | 0.00012 |
| 28.28 | -56.57 | 0.00012 | 21.21 | -49.50 | 0.00012 |
| 14.14 | -42.43 | 0.00011 | 7.07 | -35.36 | 0.00011 |
| 3.54 | -31.82 | 0.00010 | 0.00 | -28.28 | 0.00010 |
| -2.12 | -26.16 | 0.00010 | -3.54 | -24.75 | 0.00009 |
| -4.95 | -23.33 | 0.00009 | -6.36 | -21.92 | 0.00009 |
| -7.78 | -20.51 | 0.00009 | -20.51 | -7.78 | 0.00009 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -21.92 | -6.36 | 0.00009 | -23.33 | -4.95 | 0.00009 |
| -24.75 | -3.54 | 0.00009 | -26.16 | -2.12 | 0.00009 |
| -28.28 | 0.00 | 0.00009 | -31.82 | 3.54 | 0.00009 |
| -35.36 | 7.07 | 0.00009 | -42.43 | 14.14 | 0.00008 |
| -49.50 | 21.21 | 0.00008 | -56.57 | 28.28 | 0.00008 |
| -63.64 | 35.36 | 0.00008 | -70.71 | 42.43 | 0.00008 |
| -77.78 | 49.50 | 0.00008 | -84.85 | 56.57 | 0.00008 |
| 49.50 | -91.92 | 0.00012 | 42.43 | -84.85 | 0.00012 |
| 35.36 | -77.78 | 0.00011 | 28.28 | -70.71 | 0.00011 |
| 21.21 | -63.64 | 0.00011 | 14.14 | -56.57 | 0.00011 |
| 7.07 | -49.50 | 0.00010 | 0.00 | -42.43 | 0.00010 |
| -3.54 | -38.89 | 0.00009 | -7.07 | -35.36 | 0.00009 |
| -9.19 | -33.23 | 0.00009 | -10.61 | -31.82 | 0.00009 |
| -12.02 | -30.41 | 0.00008 | -13.44 | -28.99 | 0.00008 |
| -14.85 | -27.58 | 0.00008 | -27.58 | -14.85 | 0.00008 |
| -28.99 | -13.44 | 0.00008 | -30.41 | -12.02 | 0.00008 |
| -31.82 | -10.61 | 0.00008 | -33.23 | -9.19 | 0.00008 |
| -35.36 | -7.07 | 0.00008 | -38.89 | -3.54 | 0.00008 |
| -42.43 | 0.00 | 0.00008 | -49.50 | 7.07 | 0.00008 |
| -56.57 | 14.14 | 0.00008 | -63.64 | 21.21 | 0.00007 |
| -70.71 | 28.28 | 0.00007 | -77.78 | 35.36 | 0.00007 |
| -84.85 | 42.43 | 0.00008 | -91.92 | 49.50 | 0.00007 |
| 42.43 | -98.99 | 0.00011 | 35.36 | -91.92 | 0.00011 |
| 28.28 | -84.85 | 0.00010 | 21.21 | -77.78 | 0.00010 |
| 14.14 | -70.71 | 0.00010 | 7.07 | -63.64 | 0.00010 |
| 0.00 | -56.57 | 0.00009 | -7.07 | -49.50 | 0.00009 |
| -10.61 | -45.96 | 0.00008 | -14.14 | -42.43 | 0.00008 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5

INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -16.26 | -40.31 | 0.00008 | -17.68 | -38.89 | 0.00008 |
| -19.09 | -37.48 | 0.00008 | -20.51 | -36.06 | 0.00008 |
| -21.92 | -34.65 | 0.00008 | -34.65 | -21.92 | 0.00008 |
| -36.06 | -20.51 | 0.00008 | -37.48 | -19.09 | 0.00008 |
| -38.89 | -17.68 | 0.00008 | -40.31 | -16.26 | 0.00008 |
| -42.43 | -14.14 | 0.00008 | -45.96 | -10.61 | 0.00008 |
| -49.50 | -7.07 | 0.00007 | -56.57 | 0.00 | 0.00007 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -63.64 | 7.07 | 0.00007 | -70.71 | 14.14 | 0.00007 |
| -77.78 | 21.21 | 0.00007 | -84.85 | 28.28 | 0.00007 |
| -91.92 | 35.36 | 0.00007 | -98.99 | 42.43 | 0.00007 |
| 35.36 | -106.07 | 0.00010 | 28.28 | -98.99 | 0.00010 |
| 21.21 | -91.92 | 0.00010 | 14.14 | -84.85 | 0.00009 |
| 7.07 | -77.78 | 0.00009 | 0.00 | -70.71 | 0.00009 |
| -7.07 | -63.64 | 0.00008 | -14.14 | -56.57 | 0.00008 |
| -17.68 | -53.03 | 0.00008 | -21.21 | -49.50 | 0.00007 |
| -23.33 | -47.38 | 0.00007 | -24.75 | -45.96 | 0.00007 |
| -26.16 | -44.55 | 0.00007 | -27.58 | -43.13 | 0.00007 |
| -28.99 | -41.72 | 0.00007 | -41.72 | -28.99 | 0.00007 |
| -43.13 | -27.58 | 0.00007 | -44.55 | -26.16 | 0.00007 |
| -45.96 | -24.75 | 0.00007 | -47.38 | -23.33 | 0.00007 |
| -49.50 | -21.21 | 0.00007 | -53.03 | -17.68 | 0.00007 |
| -56.57 | -14.14 | 0.00007 | -63.64 | -7.07 | 0.00007 |
| -70.71 | 0.00 | 0.00006 | -77.78 | 7.07 | 0.00006 |
| -84.85 | 14.14 | 0.00006 | -91.92 | 21.21 | 0.00006 |
| -98.99 | 28.28 | 0.00006 | -106.07 | 35.36 | 0.00006 |
| 28.28 | -113.14 | 0.00009 | 21.21 | -106.07 | 0.00009 |
| 14.14 | -98.99 | 0.00009 | 7.07 | -91.92 | 0.00009 |
| 0.00 | -84.85 | 0.00008 | -7.07 | -77.78 | 0.00008 |
| -14.14 | -70.71 | 0.00008 | -21.21 | -63.64 | 0.00007 |
| -24.75 | -60.10 | 0.00007 | -28.28 | -56.57 | 0.00007 |
| -30.41 | -54.45 | 0.00007 | -31.82 | -53.03 | 0.00007 |
| -33.23 | -51.62 | 0.00007 | -34.65 | -50.20 | 0.00006 |
| -36.06 | -48.79 | 0.00006 | -48.79 | -36.06 | 0.00006 |
| -50.20 | -34.65 | 0.00006 | -51.62 | -33.23 | 0.00006 |
| -53.03 | -31.82 | 0.00006 | -54.45 | -30.41 | 0.00006 |
| -56.57 | -28.28 | 0.00006 | -60.10 | -24.75 | 0.00006 |
| -63.64 | -21.21 | 0.00006 | -70.71 | -14.14 | 0.00006 |
| -77.78 | -7.07 | 0.00006 | -84.85 | 0.00 | 0.00006 |
| -91.92 | 7.07 | 0.00006 | -98.99 | 14.14 | 0.00006 |
| -106.07 | 21.21 | 0.00006 | -113.14 | 28.28 | 0.00006 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 *** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 21.21 | -120.21 | 0.00008 | 14.14 | -113.14 | 0.00008 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| 7.07 | -106.07 | 0.00008 | 0.00 | -98.99 | 0.00008 |
| -7.07 | -91.92 | 0.00008 | -14.14 | -84.85 | 0.00007 |
| -21.21 | -77.78 | 0.00007 | -28.28 | -70.71 | 0.00007 |
| -31.82 | -67.18 | 0.00006 | -35.36 | -63.64 | 0.00006 |
| -37.48 | -61.52 | 0.00006 | -38.89 | -60.10 | 0.00006 |
| -40.31 | -58.69 | 0.00006 | -41.72 | -57.28 | 0.00006 |
| -43.13 | -55.86 | 0.00006 | -55.86 | -43.13 | 0.00006 |
| -57.28 | -41.72 | 0.00006 | -58.69 | -40.31 | 0.00006 |
| -60.10 | -38.89 | 0.00006 | -61.52 | -37.48 | 0.00006 |
| -63.64 | -35.36 | 0.00006 | -67.18 | -31.82 | 0.00006 |
| -70.71 | -28.28 | 0.00006 | -77.78 | -21.21 | 0.00006 |
| -84.85 | -14.14 | 0.00006 | -91.92 | -7.07 | 0.00005 |
| -98.99 | 0.00 | 0.00005 | -106.07 | 7.07 | 0.00005 |
| -113.14 | 14.14 | 0.00005 | -120.21 | 21.21 | 0.00005 |
| 14.14 | -127.28 | 0.00008 | 7.07 | -120.21 | 0.00008 |
| 0.00 | -113.14 | 0.00008 | -7.07 | -106.07 | 0.00007 |
| -14.14 | -98.99 | 0.00007 | -21.21 | -91.92 | 0.00007 |
| -28.28 | -84.85 | 0.00007 | -35.36 | -77.78 | 0.00006 |
| -38.89 | -74.25 | 0.00006 | -42.43 | -70.71 | 0.00006 |
| -44.55 | -68.59 | 0.00006 | -45.96 | -67.18 | 0.00006 |
| -47.38 | -65.76 | 0.00006 | -48.79 | -64.35 | 0.00006 |
| -50.20 | -62.93 | 0.00006 | -62.93 | -50.20 | 0.00006 |
| -64.35 | -48.79 | 0.00006 | -65.76 | -47.38 | 0.00006 |
| -67.18 | -45.96 | 0.00006 | -68.59 | -44.55 | 0.00006 |
| -70.71 | -42.43 | 0.00006 | -74.25 | -38.89 | 0.00006 |
| -77.78 | -35.36 | 0.00006 | -84.85 | -28.28 | 0.00005 |
| -91.92 | -21.21 | 0.00005 | -98.99 | -14.14 | 0.00005 |
| -106.07 | -7.07 | 0.00005 | -113.14 | 0.00 | 0.00005 |
| -120.21 | 7.07 | 0.00005 | -127.28 | 14.14 | 0.00005 |
| 7.07 | -134.35 | 0.00007 | 0.00 | -127.28 | 0.00007 |
| -7.07 | -120.21 | 0.00007 | -14.14 | -113.14 | 0.00007 |
| -21.21 | -106.07 | 0.00007 | -28.28 | -98.99 | 0.00006 |
| -35.36 | -91.92 | 0.00006 | -42.43 | -84.85 | 0.00006 |
| -45.96 | -81.32 | 0.00006 | -49.50 | -77.78 | 0.00005 |
| -51.62 | -75.66 | 0.00005 | -53.03 | -74.25 | 0.00005 |
| -54.45 | -72.83 | 0.00005 | -55.86 | -71.42 | 0.00005 |
| -57.28 | -70.00 | 0.00005 | -70.00 | -57.28 | 0.00005 |
| -71.42 | -55.86 | 0.00005 | -72.83 | -54.45 | 0.00005 |
| -74.25 | -53.03 | 0.00005 | -75.66 | -51.62 | 0.00005 |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

INCLUDING SOURCE(S) : NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| | | ** CONC OF OTHER | IN MICROGRAMS/M**3 | | ** |
|-------------|-------------|------------------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| -77.78 | -49.50 | 0.00005 | -81.32 | -45.96 | 0.00005 |
| -84.85 | -42.43 | 0.00005 | -91.92 | -35.36 | 0.00005 |
| -98.99 | -28.28 | 0.00005 | -106.07 | -21.21 | 0.00005 |
| -113.14 | -14.14 | 0.00005 | -120.21 | -7.07 | 0.00005 |
| -127.28 | 0.00 | 0.00005 | -134.35 | 7.07 | 0.00005 |
| 0.00 | -141.42 | 0.00007 | -7.07 | -134.35 | 0.00007 |
| -14.14 | -127.28 | 0.00007 | -21.21 | -120.21 | 0.00006 |
| -28.28 | -113.14 | 0.00006 | -35.36 | -106.07 | 0.00006 |
| -42.43 | -98.99 | 0.00006 | -49.50 | -91.92 | 0.00005 |
| -53.03 | -88.39 | 0.00005 | -56.57 | -84.85 | 0.00005 |
| -58.69 | -82.73 | 0.00005 | -60.10 | -81.32 | 0.00005 |
| -61.52 | -79.90 | 0.00005 | -62.93 | -78.49 | 0.00005 |
| -64.35 | -77.07 | 0.00005 | -77.07 | -64.35 | 0.00005 |
| -78.49 | -62.93 | 0.00005 | -79.90 | -61.52 | 0.00005 |
| -81.32 | -60.10 | 0.00005 | -82.73 | -58.69 | 0.00005 |
| -84.85 | -56.57 | 0.00005 | -88.39 | -53.03 | 0.00005 |
| -91.92 | -49.50 | 0.00005 | -98.99 | -42.43 | 0.00005 |
| -106.07 | -35.36 | 0.00005 | -113.14 | -28.28 | 0.00005 |
| -120.21 | -21.21 | 0.00004 | -127.28 | -14.14 | 0.00004 |
| -134.35 | -7.07 | 0.00004 | -141.42 | 0.00 | 0.00004 |
| -7.07 | -148.49 | 0.00006 | -14.14 | -141.42 | 0.00006 |
| -21.21 | -134.35 | 0.00006 | -28.28 | -127.28 | 0.00006 |
| -35.36 | -120.21 | 0.00006 | -42.43 | -113.14 | 0.00005 |
| -49.50 | -106.07 | 0.00005 | -56.57 | -98.99 | 0.00005 |
| -60.10 | -95.46 | 0.00005 | -63.64 | -91.92 | 0.00005 |
| -65.76 | -89.80 | 0.00005 | -67.18 | -88.39 | 0.00005 |
| -68.59 | -86.97 | 0.00005 | -70.00 | -85.56 | 0.00005 |
| -71.42 | -84.15 | 0.00005 | -84.15 | -71.42 | 0.00004 |
| -85.56 | -70.00 | 0.00005 | -86.97 | -68.59 | 0.00005 |
| -88.39 | -67.18 | 0.00005 | -89.80 | -65.76 | 0.00005 |
| -91.92 | -63.64 | 0.00005 | -95.46 | -60.10 | 0.00005 |
| -98.99 | -56.57 | 0.00005 | -106.07 | -49.50 | 0.00005 |
| -113.14 | -42.43 | 0.00004 | -120.21 | -35.36 | 0.00004 |
| -127.28 | -28.28 | 0.00004 | -134.35 | -21.21 | 0.00004 |
| -141.42 | -14.14 | 0.00004 | -148.49 | -7.07 | 0.00004 |
| -14.14 | -155.56 | 0.00006 | -21.21 | -148.49 | 0.00006 |
| -28.28 | -141.42 | 0.00006 | -35.36 | -134.35 | 0.00006 |
| -42.43 | -127.28 | 0.00005 | -49.50 | -120.21 | 0.00005 |
| -56.57 | -113.14 | 0.00005 | -63.64 | -106.07 | 0.00005 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

-67.18 -102.53 0.00004 -70.71 -98.99 0.00004

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 *** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -72.83 | -96.87 | 0.00004 | -74.25 | -95.46 | 0.00004 |
| -75.66 | -94.05 | 0.00004 | -77.07 | -92.63 | 0.00004 |
| -78.49 | -91.22 | 0.00004 | -91.22 | -78.49 | 0.00004 |
| -92.63 | -77.07 | 0.00004 | -94.05 | -75.66 | 0.00004 |
| -95.46 | -74.25 | 0.00004 | -96.87 | -72.83 | 0.00004 |
| -98.99 | -70.71 | 0.00004 | -102.53 | -67.18 | 0.00004 |
| -106.07 | -63.64 | 0.00004 | -113.14 | -56.57 | 0.00004 |
| -120.21 | -49.50 | 0.00004 | -127.28 | -42.43 | 0.00004 |
| -134.35 | -35.36 | 0.00004 | -141.42 | -28.28 | 0.00004 |
| -148.49 | -21.21 | 0.00004 | -155.56 | -14.14 | 0.00004 |
| -21.21 | -162.63 | 0.00006 | -28.28 | -155.56 | 0.00005 |
| -35.36 | -148.49 | 0.00005 | -42.43 | -141.42 | 0.00005 |
| -49.50 | -134.35 | 0.00005 | -56.57 | -127.28 | 0.00005 |
| -63.64 | -120.21 | 0.00005 | -70.71 | -113.14 | 0.00004 |
| -74.25 | -109.60 | 0.00004 | -77.78 | -106.07 | 0.00004 |
| -79.90 | -103.94 | 0.00004 | -81.32 | -102.53 | 0.00004 |
| -82.73 | -101.12 | 0.00004 | -84.15 | -99.70 | 0.00004 |
| -85.56 | -98.29 | 0.00004 | -98.29 | -85.56 | 0.00004 |
| -99.70 | -84.15 | 0.00004 | -101.12 | -82.73 | 0.00004 |
| -102.53 | -81.32 | 0.00004 | -103.94 | -79.90 | 0.00004 |
| -106.07 | -77.78 | 0.00004 | -109.60 | -74.25 | 0.00004 |
| -113.14 | -70.71 | 0.00004 | -120.21 | -63.64 | 0.00004 |
| -127.28 | -56.57 | 0.00004 | -134.35 | -49.50 | 0.00004 |
| -141.42 | -42.43 | 0.00004 | -148.49 | -35.36 | 0.00004 |
| -155.56 | -28.28 | 0.00004 | -162.63 | -21.21 | 0.00004 |
| -28.28 | -169.71 | 0.00005 | -35.36 | -162.63 | 0.00005 |
| -42.43 | -155.56 | 0.00005 | -49.50 | -148.49 | 0.00005 |
| -56.57 | -141.42 | 0.00005 | -63.64 | -134.35 | 0.00004 |
| -70.71 | -127.28 | 0.00004 | -77.78 | -120.21 | 0.00004 |
| -81.32 | -116.67 | 0.00004 | -84.85 | -113.14 | 0.00004 |
| -86.97 | -111.02 | 0.00004 | -88.39 | -109.60 | 0.00004 |
| -89.80 | -108.19 | 0.00004 | -91.22 | -106.77 | 0.00004 |
| -92.63 | -105.36 | 0.00004 | -105.36 | -92.63 | 0.00004 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|--------|---------|---------|--------|---------|
| -106.77 | -91.22 | 0.00004 | -108.19 | -89.80 | 0.00004 |
| -109.60 | -88.39 | 0.00004 | -111.02 | -86.97 | 0.00004 |
| -113.14 | -84.85 | 0.00004 | -116.67 | -81.32 | 0.00004 |
| -120.21 | -77.78 | 0.00004 | -127.28 | -70.71 | 0.00004 |
| -134.35 | -63.64 | 0.00004 | -141.42 | -56.57 | 0.00004 |
| -148.49 | -49.50 | 0.00004 | -155.56 | -42.43 | 0.00003 |
| -162.63 | -35.36 | 0.00003 | -169.71 | -28.28 | 0.00003 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at NE/SW Bound Direction ***

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5

INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -176.78 | 0.00005 | -42.43 | -169.71 | 0.00005 |
| -49.50 | -162.63 | 0.00005 | -56.57 | -155.56 | 0.00005 |
| -63.64 | -148.49 | 0.00004 | -70.71 | -141.42 | 0.00004 |
| -77.78 | -134.35 | 0.00004 | -84.85 | -127.28 | 0.00004 |
| -88.39 | -123.74 | 0.00004 | -91.92 | -120.21 | 0.00004 |
| -94.05 | -118.09 | 0.00004 | -95.46 | -116.67 | 0.00004 |
| -96.87 | -115.26 | 0.00004 | -98.29 | -113.84 | 0.00004 |
| -99.70 | -112.43 | 0.00004 | -112.43 | -99.70 | 0.00004 |
| -113.84 | -98.29 | 0.00004 | -115.26 | -96.87 | 0.00004 |
| -116.67 | -95.46 | 0.00004 | -118.09 | -94.05 | 0.00004 |
| -120.21 | -91.92 | 0.00004 | -123.74 | -88.39 | 0.00004 |
| -127.28 | -84.85 | 0.00004 | -134.35 | -77.78 | 0.00004 |
| -141.42 | -70.71 | 0.00004 | -148.49 | -63.64 | 0.00003 |
| -155.56 | -56.57 | 0.00003 | -162.63 | -49.50 | 0.00003 |
| -169.71 | -42.43 | 0.00003 | -176.78 | -35.36 | 0.00003 |
| -42.43 | -183.85 | 0.00005 | -49.50 | -176.78 | 0.00005 |
| -56.57 | -169.71 | 0.00004 | -63.64 | -162.63 | 0.00004 |
| -70.71 | -155.56 | 0.00004 | -77.78 | -148.49 | 0.00004 |
| -84.85 | -141.42 | 0.00004 | -91.92 | -134.35 | 0.00004 |
| -95.46 | -130.81 | 0.00004 | -98.99 | -127.28 | 0.00003 |
| -101.12 | -125.16 | 0.00003 | -102.53 | -123.74 | 0.00003 |
| -103.94 | -122.33 | 0.00003 | -105.36 | -120.92 | 0.00003 |
| -106.77 | -119.50 | 0.00003 | -119.50 | -106.77 | 0.00003 |
| -120.92 | -105.36 | 0.00003 | -122.33 | -103.94 | 0.00003 |
| -123.74 | -102.53 | 0.00003 | -125.16 | -101.12 | 0.00003 |
| -127.28 | -98.99 | 0.00003 | -130.81 | -95.46 | 0.00003 |
| -134.35 | -91.92 | 0.00003 | -141.42 | -84.85 | 0.00003 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -148.49 | -77.78 | 0.00003 | -155.56 | -70.71 | 0.00003 |
| -162.63 | -63.64 | 0.00003 | -169.71 | -56.57 | 0.00003 |
| -176.78 | -49.50 | 0.00003 | -183.85 | -42.43 | 0.00003 |
| -49.50 | -190.92 | 0.00004 | -56.57 | -183.85 | 0.00004 |
| -63.64 | -176.78 | 0.00004 | -70.71 | -169.71 | 0.00004 |
| -77.78 | -162.63 | 0.00004 | -84.85 | -155.56 | 0.00004 |
| -91.92 | -148.49 | 0.00004 | -98.99 | -141.42 | 0.00003 |
| -102.53 | -137.89 | 0.00003 | -106.07 | -134.35 | 0.00003 |
| -108.19 | -132.23 | 0.00003 | -109.60 | -130.81 | 0.00003 |
| -111.02 | -129.40 | 0.00003 | -112.43 | -127.99 | 0.00003 |
| -113.84 | -126.57 | 0.00003 | -126.57 | -113.84 | 0.00003 |
| -127.99 | -112.43 | 0.00003 | -129.40 | -111.02 | 0.00003 |
| -130.81 | -109.60 | 0.00003 | -132.23 | -108.19 | 0.00003 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** *** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 *** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -134.35 | -106.07 | 0.00003 | -137.89 | -102.53 | 0.00003 |
| -141.42 | -98.99 | 0.00003 | -148.49 | -91.92 | 0.00003 |
| -155.56 | -84.85 | 0.00003 | -162.63 | -77.78 | 0.00003 |
| -169.71 | -70.71 | 0.00003 | -176.78 | -63.64 | 0.00003 |
| -183.85 | -56.57 | 0.00003 | -190.92 | -49.50 | 0.00003 |
| -56.57 | -197.99 | 0.00004 | -63.64 | -190.92 | 0.00004 |
| -70.71 | -183.85 | 0.00004 | -77.78 | -176.78 | 0.00004 |
| -84.85 | -169.71 | 0.00004 | -91.92 | -162.63 | 0.00003 |
| -98.99 | -155.56 | 0.00003 | -106.07 | -148.49 | 0.00003 |
| -109.60 | -144.96 | 0.00003 | -113.14 | -141.42 | 0.00003 |
| -115.26 | -139.30 | 0.00003 | -116.67 | -137.89 | 0.00003 |
| -118.09 | -136.47 | 0.00003 | -119.50 | -135.06 | 0.00003 |
| -120.92 | -133.64 | 0.00003 | -133.64 | -120.92 | 0.00003 |
| -135.06 | -119.50 | 0.00003 | -136.47 | -118.09 | 0.00003 |
| -137.89 | -116.67 | 0.00003 | -139.30 | -115.26 | 0.00003 |
| -141.42 | -113.14 | 0.00003 | -144.96 | -109.60 | 0.00003 |
| -148.49 | -106.07 | 0.00003 | -155.56 | -98.99 | 0.00003 |
| -162.63 | -91.92 | 0.00003 | -169.71 | -84.85 | 0.00003 |
| -176.78 | -77.78 | 0.00003 | -183.85 | -70.71 | 0.00003 |
| -190.92 | -63.64 | 0.00003 | -197.99 | -56.57 | 0.00003 |
| -63.64 | -205.06 | 0.00004 | -70.71 | -197.99 | 0.00004 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -77.78 | -190.92 | 0.00004 | -84.85 | -183.85 | 0.00004 |
| -91.92 | -176.78 | 0.00003 | -98.99 | -169.71 | 0.00003 |
| -106.07 | -162.63 | 0.00003 | -113.14 | -155.56 | 0.00003 |
| -116.67 | -152.03 | 0.00003 | -120.21 | -148.49 | 0.00003 |
| -122.33 | -146.37 | 0.00003 | -123.74 | -144.96 | 0.00003 |
| -125.16 | -143.54 | 0.00003 | -126.57 | -142.13 | 0.00003 |
| -127.99 | -140.71 | 0.00003 | -140.71 | -127.99 | 0.00003 |
| -142.13 | -126.57 | 0.00003 | -143.54 | -125.16 | 0.00003 |
| -144.96 | -123.74 | 0.00003 | -146.37 | -122.33 | 0.00003 |
| -148.49 | -120.21 | 0.00003 | -152.03 | -116.67 | 0.00003 |
| -155.56 | -113.14 | 0.00003 | -162.63 | -106.07 | 0.00003 |
| -169.71 | -98.99 | 0.00003 | -176.78 | -91.92 | 0.00003 |
| -183.85 | -84.85 | 0.00003 | -190.92 | -77.78 | 0.00003 |
| -197.99 | -70.71 | 0.00003 | -205.06 | -63.64 | 0.00003 |
| -70.71 | -212.13 | 0.00004 | -77.78 | -205.06 | 0.00004 |
| -84.85 | -197.99 | 0.00004 | -91.92 | -190.92 | 0.00003 |
| -98.99 | -183.85 | 0.00003 | -106.07 | -176.78 | 0.00003 |
| -113.14 | -169.71 | 0.00003 | -120.21 | -162.63 | 0.00003 |
| -123.74 | -159.10 | 0.00003 | -127.28 | -155.56 | 0.00003 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 *** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40 | -153.44 | 0.00003 | -130.81 | -152.03 | 0.00003 |
| -132.23 | -150.61 | 0.00003 | -133.64 | -149.20 | 0.00003 |
| -135.06 | -147.79 | 0.00003 | -147.79 | -135.06 | 0.00003 |
| -149.20 | -133.64 | 0.00003 | -150.61 | -132.23 | 0.00003 |
| -152.03 | -130.81 | 0.00003 | -153.44 | -129.40 | 0.00003 |
| -155.56 | -127.28 | 0.00003 | -159.10 | -123.74 | 0.00003 |
| -162.63 | -120.21 | 0.00003 | -169.71 | -113.14 | 0.00003 |
| -176.78 | -106.07 | 0.00003 | -183.85 | -98.99 | 0.00003 |
| -190.92 | -91.92 | 0.00003 | -197.99 | -84.85 | 0.00003 |
| -205.06 | -77.78 | 0.00003 | -212.13 | -70.71 | 0.00002 |
| -77.78 | -219.20 | 0.00004 | -84.85 | -212.13 | 0.00003 |
| -91.92 | -205.06 | 0.00003 | -98.99 | -197.99 | 0.00003 |
| -106.07 | -190.92 | 0.00003 | -113.14 | -183.85 | 0.00003 |
| -120.21 | -176.78 | 0.00003 | -127.28 | -169.71 | 0.00003 |
| -130.81 | -166.17 | 0.00003 | -134.35 | -162.63 | 0.00003 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -136.47 | -160.51 | 0.00003 | -137.89 | -159.10 | 0.00003 |
| -139.30 | -157.68 | 0.00003 | -140.71 | -156.27 | 0.00003 |
| -142.13 | -154.86 | 0.00003 | -154.86 | -142.13 | 0.00003 |
| -156.27 | -140.71 | 0.00003 | -157.68 | -139.30 | 0.00003 |
| -159.10 | -137.89 | 0.00003 | -160.51 | -136.47 | 0.00003 |
| -162.63 | -134.35 | 0.00003 | -166.17 | -130.81 | 0.00003 |
| -169.71 | -127.28 | 0.00003 | -176.78 | -120.21 | 0.00003 |
| -183.85 | -113.14 | 0.00003 | -190.92 | -106.07 | 0.00003 |
| -197.99 | -98.99 | 0.00003 | -205.06 | -91.92 | 0.00002 |
| -212.13 | -84.85 | 0.00002 | -219.20 | -77.78 | 0.00002 |
| -84.85 | -226.27 | 0.00003 | -91.92 | -219.20 | 0.00003 |
| -98.99 | -212.13 | 0.00003 | -106.07 | -205.06 | 0.00003 |
| -113.14 | -197.99 | 0.00003 | -120.21 | -190.92 | 0.00003 |
| -127.28 | -183.85 | 0.00003 | -134.35 | -176.78 | 0.00003 |
| -137.89 | -173.24 | 0.00003 | -141.42 | -169.71 | 0.00003 |
| -143.54 | -167.58 | 0.00003 | -144.96 | -166.17 | 0.00003 |
| -146.37 | -164.76 | 0.00003 | -147.79 | -163.34 | 0.00002 |
| -149.20 | -161.93 | 0.00002 | -161.93 | -149.20 | 0.00002 |
| -163.34 | -147.79 | 0.00002 | -164.76 | -146.37 | 0.00003 |
| -166.17 | -144.96 | 0.00003 | -167.58 | -143.54 | 0.00003 |
| -169.71 | -141.42 | 0.00003 | -173.24 | -137.89 | 0.00003 |
| -176.78 | -134.35 | 0.00003 | -183.85 | -127.28 | 0.00003 |
| -190.92 | -120.21 | 0.00003 | -197.99 | -113.14 | 0.00003 |
| -205.06 | -106.07 | 0.00002 | -212.13 | -98.99 | 0.00002 |
| -219.20 | -91.92 | 0.00002 | -226.27 | -84.85 | 0.00002 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** *** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 INCLUDING SOURCE(S) : NCRA_S5 , ***

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -91.92 | -233.35 | 0.00003 | -98.99 | -226.27 | 0.00003 |
| -106.07 | -219.20 | 0.00003 | -113.14 | -212.13 | 0.00003 |
| -120.21 | -205.06 | 0.00003 | -127.28 | -197.99 | 0.00003 |
| -134.35 | -190.92 | 0.00003 | -141.42 | -183.85 | 0.00002 |
| -144.96 | -180.31 | 0.00002 | -148.49 | -176.78 | 0.00002 |
| -150.61 | -174.66 | 0.00002 | -152.03 | -173.24 | 0.00002 |
| -153.44 | -171.83 | 0.00002 | -154.86 | -170.41 | 0.00002 |
| -156.27 | -169.00 | 0.00002 | -169.00 | -156.27 | 0.00002 |
| -170.41 | -154.86 | 0.00002 | -171.83 | -153.44 | 0.00002 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -173.24 | -152.03 | 0.00002 | -174.66 | -150.61 | 0.00002 |
| -176.78 | -148.49 | 0.00002 | -180.31 | -144.96 | 0.00002 |
| -183.85 | -141.42 | 0.00002 | -190.92 | -134.35 | 0.00002 |
| -197.99 | -127.28 | 0.00002 | -205.06 | -120.21 | 0.00002 |
| -212.13 | -113.14 | 0.00002 | -219.20 | -106.07 | 0.00002 |
| -226.27 | -98.99 | 0.00002 | -233.35 | -91.92 | 0.00002 |
| -98.99 | -240.42 | 0.00003 | -106.07 | -233.35 | 0.00003 |
| -113.14 | -226.27 | 0.00003 | -120.21 | -219.20 | 0.00003 |
| -127.28 | -212.13 | 0.00003 | -134.35 | -205.06 | 0.00003 |
| -141.42 | -197.99 | 0.00002 | -148.49 | -190.92 | 0.00002 |
| -152.03 | -187.38 | 0.00002 | -155.56 | -183.85 | 0.00002 |
| -157.68 | -181.73 | 0.00002 | -159.10 | -180.31 | 0.00002 |
| -160.51 | -178.90 | 0.00002 | -161.93 | -177.48 | 0.00002 |
| -163.34 | -176.07 | 0.00002 | -176.07 | -163.34 | 0.00002 |
| -177.48 | -161.93 | 0.00002 | -178.90 | -160.51 | 0.00002 |
| -180.31 | -159.10 | 0.00002 | -181.73 | -157.68 | 0.00002 |
| -183.85 | -155.56 | 0.00002 | -187.38 | -152.03 | 0.00002 |
| -190.92 | -148.49 | 0.00002 | -197.99 | -141.42 | 0.00002 |
| -205.06 | -134.35 | 0.00002 | -212.13 | -127.28 | 0.00002 |
| -219.20 | -120.21 | 0.00002 | -226.27 | -113.14 | 0.00002 |
| -233.35 | -106.07 | 0.00002 | -240.42 | -98.99 | 0.00002 |
| -106.07 | -247.49 | 0.00003 | -113.14 | -240.42 | 0.00003 |
| -120.21 | -233.35 | 0.00003 | -127.28 | -226.27 | 0.00003 |
| -134.35 | -219.20 | 0.00003 | -141.42 | -212.13 | 0.00002 |
| -148.49 | -205.06 | 0.00002 | -155.56 | -197.99 | 0.00002 |
| -159.10 | -194.45 | 0.00002 | -162.63 | -190.92 | 0.00002 |
| -164.76 | -188.80 | 0.00002 | -166.17 | -187.38 | 0.00002 |
| -167.58 | -185.97 | 0.00002 | -169.00 | -184.55 | 0.00002 |
| -170.41 | -183.14 | 0.00002 | -183.14 | -170.41 | 0.00002 |
| -184.55 | -169.00 | 0.00002 | -185.97 | -167.58 | 0.00002 |
| -187.38 | -166.17 | 0.00002 | -188.80 | -164.76 | 0.00002 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA_S5
 *** INCLUDING SOURCE(S): NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -190.92 | -162.63 | 0.00002 | -194.45 | -159.10 | 0.00002 |
| -197.99 | -155.56 | 0.00002 | -205.06 | -148.49 | 0.00002 |
| -212.13 | -141.42 | 0.00002 | -219.20 | -134.35 | 0.00002 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 205.06 | 120.21 | 0.00257 | 197.99 | 127.28 | 0.00276 |
| 190.92 | 134.35 | 0.00291 | 183.85 | 141.42 | 0.00299 |
| 180.31 | 144.96 | 0.00295 | 176.78 | 148.49 | 0.00283 |
| 174.66 | 150.61 | 0.00269 | 173.24 | 152.03 | 0.00256 |
| 171.83 | 153.44 | 0.00240 | 170.41 | 154.86 | 0.00219 |
| 169.00 | 156.27 | 0.00195 | 156.27 | 169.00 | 0.00077 |
| 154.86 | 170.41 | 0.00076 | 153.44 | 171.83 | 0.00076 |
| 152.03 | 173.24 | 0.00076 | 150.61 | 174.66 | 0.00076 |

1 *** ICSST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 148.49 | 176.78 | 0.00075 | 144.96 | 180.31 | 0.00074 |
| 141.42 | 183.85 | 0.00072 | 134.35 | 190.92 | 0.00066 |
| 127.28 | 197.99 | 0.00060 | 120.21 | 205.06 | 0.00055 |
| 113.14 | 212.13 | 0.00050 | 106.07 | 219.20 | 0.00045 |
| 99.00 | 226.27 | 0.00042 | 91.92 | 233.35 | 0.00038 |
| 226.27 | 84.85 | 0.00221 | 219.20 | 91.92 | 0.00241 |
| 212.13 | 98.99 | 0.00263 | 205.06 | 106.07 | 0.00290 |
| 197.99 | 113.14 | 0.00320 | 190.92 | 120.21 | 0.00355 |
| 183.85 | 127.28 | 0.00392 | 176.78 | 134.35 | 0.00429 |
| 173.24 | 137.89 | 0.00445 | 169.71 | 141.42 | 0.00455 |
| 167.58 | 143.54 | 0.00457 | 166.17 | 144.96 | 0.00457 |
| 164.76 | 146.37 | 0.00455 | 163.34 | 147.79 | 0.00454 |
| 161.93 | 149.20 | 0.00452 | 149.20 | 161.93 | 0.00137 |
| 147.79 | 163.34 | 0.00132 | 146.37 | 164.76 | 0.00127 |
| 144.96 | 166.17 | 0.00124 | 143.54 | 167.58 | 0.00120 |
| 141.42 | 169.71 | 0.00116 | 137.89 | 173.24 | 0.00109 |
| 134.35 | 176.78 | 0.00102 | 127.28 | 183.85 | 0.00089 |
| 120.21 | 190.92 | 0.00078 | 113.14 | 197.99 | 0.00069 |
| 106.07 | 205.06 | 0.00061 | 99.00 | 212.13 | 0.00055 |
| 91.92 | 219.20 | 0.00049 | 84.85 | 226.27 | 0.00045 |
| 219.20 | 77.78 | 0.00248 | 212.13 | 84.85 | 0.00272 |
| 205.06 | 91.92 | 0.00301 | 197.99 | 98.99 | 0.00334 |
| 190.92 | 106.07 | 0.00373 | 183.85 | 113.14 | 0.00418 |
| 176.78 | 120.21 | 0.00466 | 169.71 | 127.28 | 0.00512 |
| 166.17 | 130.81 | 0.00531 | 162.63 | 134.35 | 0.00541 |
| 160.51 | 136.47 | 0.00540 | 159.10 | 137.89 | 0.00536 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 157.68 | 139.30 | 0.00530 | 156.27 | 140.71 | 0.00522 |
| 154.86 | 142.13 | 0.00512 | 142.13 | 154.86 | 0.00166 |
| 140.71 | 156.27 | 0.00161 | 139.30 | 157.68 | 0.00158 |
| 137.89 | 159.10 | 0.00154 | 136.47 | 160.51 | 0.00151 |
| 134.35 | 162.63 | 0.00146 | 130.81 | 166.17 | 0.00136 |
| 127.28 | 169.71 | 0.00126 | 120.21 | 176.78 | 0.00108 |
| 113.14 | 183.85 | 0.00094 | 106.07 | 190.92 | 0.00081 |
| 99.00 | 197.99 | 0.00071 | 91.92 | 205.06 | 0.00063 |
| 84.85 | 212.13 | 0.00057 | 77.78 | 219.20 | 0.00051 |
| 212.13 | 70.71 | 0.00272 | 205.06 | 77.78 | 0.00300 |
| 197.99 | 84.85 | 0.00332 | 190.92 | 91.92 | 0.00370 |
| 183.85 | 98.99 | 0.00413 | 176.78 | 106.07 | 0.00462 |
| 169.71 | 113.14 | 0.00515 | 162.63 | 120.21 | 0.00561 |
| 159.10 | 123.74 | 0.00575 | 155.56 | 127.28 | 0.00579 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 153.44 | 129.40 | 0.00575 | 152.03 | 130.81 | 0.00568 |
| 150.61 | 132.23 | 0.00558 | 149.20 | 133.64 | 0.00547 |
| 147.79 | 135.06 | 0.00535 | 135.06 | 147.79 | 0.00181 |
| 133.64 | 149.20 | 0.00177 | 132.23 | 150.61 | 0.00174 |
| 130.81 | 152.03 | 0.00171 | 129.40 | 153.44 | 0.00168 |
| 127.28 | 155.56 | 0.00163 | 123.74 | 159.10 | 0.00155 |
| 120.21 | 162.63 | 0.00145 | 113.14 | 169.71 | 0.00125 |
| 106.07 | 176.78 | 0.00107 | 98.99 | 183.85 | 0.00093 |
| 91.92 | 190.92 | 0.00081 | 84.85 | 197.99 | 0.00071 |
| 77.78 | 205.06 | 0.00063 | 70.71 | 212.13 | 0.00057 |
| 205.06 | 63.64 | 0.00292 | 197.99 | 70.71 | 0.00322 |
| 190.92 | 77.78 | 0.00357 | 183.85 | 84.85 | 0.00397 |
| 176.78 | 91.92 | 0.00443 | 169.71 | 98.99 | 0.00495 |
| 162.63 | 106.07 | 0.00547 | 155.56 | 113.14 | 0.00589 |
| 152.03 | 116.67 | 0.00600 | 148.49 | 120.21 | 0.00600 |
| 146.37 | 122.33 | 0.00594 | 144.96 | 123.74 | 0.00586 |
| 143.54 | 125.16 | 0.00576 | 142.13 | 126.57 | 0.00563 |
| 140.71 | 127.99 | 0.00551 | 127.99 | 140.71 | 0.00192 |
| 126.57 | 142.13 | 0.00188 | 125.16 | 143.54 | 0.00185 |
| 123.74 | 144.96 | 0.00182 | 122.33 | 146.37 | 0.00180 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 120.21 | 148.49 | 0.00175 | 116.67 | 152.03 | 0.00167 |
| 113.14 | 155.56 | 0.00157 | 106.07 | 162.63 | 0.00138 |
| 98.99 | 169.71 | 0.00119 | 91.92 | 176.78 | 0.00103 |
| 84.85 | 183.85 | 0.00089 | 77.78 | 190.92 | 0.00078 |
| 70.71 | 197.99 | 0.00069 | 63.64 | 205.06 | 0.00062 |
| 197.99 | 56.57 | 0.00309 | 190.92 | 63.64 | 0.00340 |
| 183.85 | 70.71 | 0.00376 | 176.78 | 77.78 | 0.00418 |
| 169.71 | 84.85 | 0.00466 | 162.63 | 91.92 | 0.00517 |
| 155.56 | 98.99 | 0.00567 | 148.49 | 106.07 | 0.00606 |
| 144.96 | 109.60 | 0.00616 | 141.42 | 113.14 | 0.00615 |
| 139.30 | 115.26 | 0.00607 | 137.89 | 116.67 | 0.00599 |
| 136.47 | 118.09 | 0.00588 | 135.06 | 119.50 | 0.00576 |
| 133.64 | 120.92 | 0.00562 | 120.92 | 133.64 | 0.00201 |
| 119.50 | 135.06 | 0.00197 | 118.09 | 136.47 | 0.00194 |
| 116.67 | 137.89 | 0.00191 | 115.26 | 139.30 | 0.00189 |
| 113.14 | 141.42 | 0.00184 | 109.60 | 144.96 | 0.00176 |
| 106.07 | 148.49 | 0.00166 | 98.99 | 155.56 | 0.00147 |
| 91.92 | 162.63 | 0.00128 | 84.85 | 169.71 | 0.00111 |
| 77.78 | 176.78 | 0.00097 | 70.71 | 183.85 | 0.00085 |
| 63.64 | 190.92 | 0.00075 | 56.57 | 197.99 | 0.00067 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 126
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 190.92 | 49.50 | 0.00323 | 183.85 | 56.57 | 0.00355 |
| 176.78 | 63.64 | 0.00392 | 169.71 | 70.71 | 0.00435 |
| 162.63 | 77.78 | 0.00483 | 155.56 | 84.85 | 0.00533 |
| 148.49 | 91.92 | 0.00581 | 141.42 | 98.99 | 0.00619 |
| 137.89 | 102.53 | 0.00628 | 134.35 | 106.07 | 0.00626 |
| 132.23 | 108.19 | 0.00618 | 130.81 | 109.60 | 0.00609 |
| 129.40 | 111.02 | 0.00598 | 127.99 | 112.43 | 0.00585 |
| 126.57 | 113.84 | 0.00570 | 113.84 | 126.57 | 0.00208 |
| 112.43 | 127.99 | 0.00204 | 111.02 | 129.40 | 0.00201 |
| 109.60 | 130.81 | 0.00198 | 108.19 | 132.23 | 0.00196 |
| 106.07 | 134.35 | 0.00191 | 102.53 | 137.89 | 0.00183 |
| 98.99 | 141.42 | 0.00174 | 91.92 | 148.49 | 0.00154 |
| 84.85 | 155.56 | 0.00135 | 77.78 | 162.63 | 0.00118 |
| 70.71 | 169.71 | 0.00103 | 63.64 | 176.78 | 0.00091 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 56.57 | 183.85 | 0.00080 | 49.50 | 190.92 | 0.00072 |
| 183.85 | 42.43 | 0.00334 | 176.78 | 49.50 | 0.00367 |
| 169.71 | 56.57 | 0.00405 | 162.63 | 63.64 | 0.00448 |
| 155.56 | 70.71 | 0.00495 | 148.49 | 77.78 | 0.00544 |
| 141.42 | 84.85 | 0.00591 | 134.35 | 91.92 | 0.00628 |
| 130.81 | 95.46 | 0.00636 | 127.28 | 98.99 | 0.00634 |
| 125.16 | 101.12 | 0.00626 | 123.74 | 102.53 | 0.00617 |
| 122.33 | 103.94 | 0.00606 | 120.92 | 105.36 | 0.00592 |
| 119.50 | 106.77 | 0.00577 | 106.77 | 119.50 | 0.00214 |
| 105.36 | 120.92 | 0.00210 | 103.94 | 122.33 | 0.00207 |
| 102.53 | 123.74 | 0.00204 | 101.12 | 125.16 | 0.00201 |
| 98.99 | 127.28 | 0.00197 | 95.46 | 130.81 | 0.00189 |
| 91.92 | 134.35 | 0.00180 | 84.85 | 141.42 | 0.00159 |
| 77.78 | 148.49 | 0.00140 | 70.71 | 155.56 | 0.00123 |
| 63.64 | 162.63 | 0.00108 | 56.57 | 169.71 | 0.00096 |
| 49.50 | 176.78 | 0.00085 | 42.43 | 183.85 | 0.00076 |
| 176.78 | 35.36 | 0.00344 | 169.71 | 42.43 | 0.00377 |
| 162.63 | 49.50 | 0.00415 | 155.56 | 56.57 | 0.00457 |
| 148.49 | 63.64 | 0.00504 | 141.42 | 70.71 | 0.00552 |
| 134.35 | 77.78 | 0.00599 | 127.28 | 84.85 | 0.00635 |
| 123.74 | 88.39 | 0.00644 | 120.21 | 91.92 | 0.00641 |
| 118.09 | 94.05 | 0.00633 | 116.67 | 95.46 | 0.00624 |
| 115.26 | 96.87 | 0.00612 | 113.84 | 98.29 | 0.00598 |
| 112.43 | 99.70 | 0.00583 | 99.70 | 112.43 | 0.00220 |
| 98.29 | 113.84 | 0.00215 | 96.87 | 115.26 | 0.00211 |
| 95.46 | 116.67 | 0.00209 | 94.05 | 118.09 | 0.00206 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
 PAGE 127
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 91.92 | 120.21 | 0.00202 | 88.39 | 123.74 | 0.00194 |
| 84.85 | 127.28 | 0.00184 | 77.78 | 134.35 | 0.00164 |
| 70.71 | 141.42 | 0.00144 | 63.64 | 148.49 | 0.00127 |
| 56.57 | 155.56 | 0.00112 | 49.50 | 162.63 | 0.00099 |
| 42.43 | 169.71 | 0.00089 | 35.36 | 176.78 | 0.00079 |
| 169.71 | 28.28 | 0.00352 | 162.63 | 35.36 | 0.00385 |
| 155.56 | 42.43 | 0.00423 | 148.49 | 49.50 | 0.00465 |
| 141.42 | 56.57 | 0.00510 | 134.35 | 63.64 | 0.00559 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 127.28 | 70.71 | 0.00605 | 120.21 | 77.78 | 0.00641 |
| 116.67 | 81.32 | 0.00650 | 113.14 | 84.85 | 0.00647 |
| 111.02 | 86.97 | 0.00639 | 109.60 | 88.39 | 0.00630 |
| 108.19 | 89.80 | 0.00618 | 106.77 | 91.22 | 0.00603 |
| 105.36 | 92.63 | 0.00587 | 92.63 | 105.36 | 0.00224 |
| 91.22 | 106.77 | 0.00219 | 89.80 | 108.19 | 0.00215 |
| 88.39 | 109.60 | 0.00213 | 86.97 | 111.02 | 0.00210 |
| 84.85 | 113.14 | 0.00206 | 81.32 | 116.67 | 0.00197 |
| 77.78 | 120.21 | 0.00188 | 70.71 | 127.28 | 0.00168 |
| 63.64 | 134.35 | 0.00148 | 56.57 | 141.42 | 0.00131 |
| 49.50 | 148.49 | 0.00115 | 42.43 | 155.56 | 0.00102 |
| 35.36 | 162.63 | 0.00092 | 28.28 | 169.71 | 0.00082 |
| 162.63 | 21.21 | 0.00358 | 155.56 | 28.28 | 0.00391 |
| 148.49 | 35.36 | 0.00429 | 141.42 | 42.43 | 0.00470 |
| 134.35 | 49.50 | 0.00516 | 127.28 | 56.57 | 0.00564 |
| 120.21 | 63.64 | 0.00610 | 113.14 | 70.71 | 0.00645 |
| 109.60 | 74.25 | 0.00654 | 106.07 | 77.78 | 0.00651 |
| 103.94 | 79.90 | 0.00642 | 102.53 | 81.32 | 0.00633 |
| 101.12 | 82.73 | 0.00621 | 99.70 | 84.15 | 0.00609 |
| 98.29 | 85.56 | 0.00594 | 85.56 | 98.29 | 0.00227 |
| 84.15 | 99.70 | 0.00222 | 82.73 | 101.12 | 0.00219 |
| 81.32 | 102.53 | 0.00216 | 79.90 | 103.94 | 0.00213 |
| 77.78 | 106.07 | 0.00209 | 74.25 | 109.60 | 0.00201 |
| 70.71 | 113.14 | 0.00191 | 63.64 | 120.21 | 0.00171 |
| 56.57 | 127.28 | 0.00151 | 49.50 | 134.35 | 0.00134 |
| 42.43 | 141.42 | 0.00118 | 35.36 | 148.49 | 0.00105 |
| 28.28 | 155.56 | 0.00094 | 21.21 | 162.63 | 0.00085 |
| 155.56 | 14.14 | 0.00364 | 148.49 | 21.21 | 0.00396 |
| 141.42 | 28.28 | 0.00433 | 134.35 | 35.36 | 0.00475 |
| 127.28 | 42.43 | 0.00520 | 120.21 | 49.50 | 0.00568 |
| 113.14 | 56.57 | 0.00614 | 106.07 | 63.64 | 0.00649 |
| 102.53 | 67.18 | 0.00658 | 98.99 | 70.71 | 0.00655 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 128
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 *** INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,
 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 96.87 | 72.83 | 0.00646 | 95.46 | 74.25 | 0.00636 |
| 94.05 | 75.66 | 0.00624 | 92.63 | 77.07 | 0.00611 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 91.22 | 78.49 | 0.00596 | 78.49 | 91.22 | 0.00230 |
| 77.07 | 92.63 | 0.00225 | 75.66 | 94.05 | 0.00222 |
| 74.25 | 95.46 | 0.00219 | 72.83 | 96.87 | 0.00216 |
| 70.71 | 98.99 | 0.00212 | 67.18 | 102.53 | 0.00203 |
| 63.64 | 106.07 | 0.00194 | 56.57 | 113.14 | 0.00174 |
| 49.50 | 120.21 | 0.00154 | 42.43 | 127.28 | 0.00136 |
| 35.36 | 134.35 | 0.00121 | 28.28 | 141.42 | 0.00108 |
| 21.21 | 148.49 | 0.00096 | 14.14 | 155.56 | 0.00087 |
| 148.49 | 7.07 | 0.00368 | 141.42 | 14.14 | 0.00401 |
| 134.35 | 21.21 | 0.00437 | 127.28 | 28.28 | 0.00479 |
| 120.21 | 35.36 | 0.00524 | 113.14 | 42.43 | 0.00572 |
| 106.07 | 49.50 | 0.00618 | 98.99 | 56.57 | 0.00653 |
| 95.46 | 60.10 | 0.00660 | 91.92 | 63.64 | 0.00658 |
| 89.80 | 65.76 | 0.00649 | 88.39 | 67.18 | 0.00640 |
| 86.97 | 68.59 | 0.00627 | 85.56 | 70.00 | 0.00613 |
| 84.15 | 71.42 | 0.00598 | 71.42 | 84.15 | 0.00232 |
| 70.00 | 85.56 | 0.00227 | 68.59 | 86.97 | 0.00224 |
| 67.18 | 88.39 | 0.00221 | 65.76 | 89.80 | 0.00218 |
| 63.64 | 91.92 | 0.00214 | 60.10 | 95.46 | 0.00206 |
| 56.57 | 98.99 | 0.00196 | 49.50 | 106.07 | 0.00176 |
| 42.43 | 113.14 | 0.00156 | 35.36 | 120.21 | 0.00139 |
| 28.28 | 127.28 | 0.00123 | 21.21 | 134.35 | 0.00110 |
| 14.14 | 141.42 | 0.00098 | 7.07 | 148.49 | 0.00089 |
| 141.42 | 0.00 | 0.00371 | 134.35 | 7.07 | 0.00404 |
| 127.28 | 14.14 | 0.00441 | 120.21 | 21.21 | 0.00482 |
| 113.14 | 28.28 | 0.00527 | 106.07 | 35.36 | 0.00575 |
| 98.99 | 42.43 | 0.00621 | 91.92 | 49.50 | 0.00656 |
| 88.39 | 53.03 | 0.00663 | 84.85 | 56.57 | 0.00660 |
| 82.73 | 58.69 | 0.00651 | 81.32 | 60.10 | 0.00642 |
| 79.90 | 61.52 | 0.00630 | 78.49 | 62.93 | 0.00615 |
| 77.07 | 64.35 | 0.00600 | 64.35 | 77.07 | 0.00234 |
| 62.93 | 78.49 | 0.00230 | 61.52 | 79.90 | 0.00226 |
| 60.10 | 81.32 | 0.00223 | 58.69 | 82.73 | 0.00221 |
| 56.57 | 84.85 | 0.00216 | 53.03 | 88.39 | 0.00208 |
| 49.50 | 91.92 | 0.00198 | 42.43 | 98.99 | 0.00178 |
| 35.36 | 106.07 | 0.00158 | 28.28 | 113.14 | 0.00140 |
| 21.21 | 120.21 | 0.00125 | 14.14 | 127.28 | 0.00111 |
| 7.07 | 134.35 | 0.00100 | 0.00 | 141.42 | 0.00090 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTS:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER | | | IN MICROGRAMS/M**3 | | |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| 134.35 | -7.07 | 0.00374 | 127.28 | 0.00 | 0.00407 |
| 120.21 | 7.07 | 0.00443 | 113.14 | 14.14 | 0.00484 |
| 106.07 | 21.21 | 0.00530 | 98.99 | 28.28 | 0.00577 |
| 91.92 | 35.36 | 0.00623 | 84.85 | 42.43 | 0.00658 |
| 81.32 | 45.96 | 0.00666 | 77.78 | 49.50 | 0.00662 |
| 75.66 | 51.62 | 0.00653 | 74.25 | 53.03 | 0.00643 |
| 72.83 | 54.45 | 0.00631 | 71.42 | 55.86 | 0.00617 |
| 70.00 | 57.28 | 0.00602 | 57.28 | 70.00 | 0.00236 |
| 55.86 | 71.42 | 0.00231 | 54.45 | 72.83 | 0.00228 |
| 53.03 | 74.25 | 0.00225 | 51.62 | 75.66 | 0.00222 |
| 49.50 | 77.78 | 0.00218 | 45.96 | 81.32 | 0.00209 |
| 42.43 | 84.85 | 0.00200 | 35.36 | 91.92 | 0.00180 |
| 28.28 | 98.99 | 0.00160 | 21.21 | 106.07 | 0.00142 |
| 14.14 | 113.14 | 0.00127 | 7.07 | 120.21 | 0.00113 |
| 0.00 | 127.28 | 0.00102 | -7.07 | 134.35 | 0.00092 |
| 127.28 | -14.14 | 0.00377 | 120.21 | -7.07 | 0.00409 |
| 113.14 | 0.00 | 0.00446 | 106.07 | 7.07 | 0.00487 |
| 98.99 | 14.14 | 0.00532 | 91.92 | 21.21 | 0.00579 |
| 84.85 | 28.28 | 0.00625 | 77.78 | 35.36 | 0.00660 |
| 74.25 | 38.89 | 0.00668 | 70.71 | 42.43 | 0.00664 |
| 68.59 | 44.55 | 0.00655 | 67.18 | 45.96 | 0.00645 |
| 65.76 | 47.38 | 0.00633 | 64.35 | 48.79 | 0.00618 |
| 62.93 | 50.20 | 0.00602 | 50.20 | 62.93 | 0.00238 |
| 48.79 | 64.35 | 0.00233 | 47.38 | 65.76 | 0.00230 |
| 45.96 | 67.18 | 0.00227 | 44.55 | 68.59 | 0.00224 |
| 42.43 | 70.71 | 0.00219 | 38.89 | 74.25 | 0.00211 |
| 35.36 | 77.78 | 0.00201 | 28.28 | 84.85 | 0.00181 |
| 21.21 | 91.92 | 0.00161 | 14.14 | 98.99 | 0.00144 |
| 7.07 | 106.07 | 0.00128 | 0.00 | 113.14 | 0.00115 |
| -7.07 | 120.21 | 0.00103 | -14.14 | 127.28 | 0.00093 |
| 120.21 | -21.21 | 0.00379 | 113.14 | -14.14 | 0.00411 |
| 106.07 | -7.07 | 0.00448 | 98.99 | 0.00 | 0.00489 |
| 91.92 | 7.07 | 0.00534 | 84.85 | 14.14 | 0.00581 |
| 77.78 | 21.21 | 0.00627 | 70.71 | 28.28 | 0.00662 |
| 67.18 | 31.82 | 0.00669 | 63.64 | 35.36 | 0.00666 |
| 61.52 | 37.48 | 0.00656 | 60.10 | 38.89 | 0.00647 |
| 58.69 | 40.31 | 0.00634 | 57.28 | 41.72 | 0.00620 |
| 55.86 | 43.13 | 0.00604 | 43.13 | 55.86 | 0.00239 |
| 41.72 | 57.28 | 0.00234 | 40.31 | 58.69 | 0.00231 |
| 38.89 | 60.10 | 0.00228 | 37.48 | 61.52 | 0.00225 |

1 *** ISCST3 - VERSION 02035 ***
04/20/08

*** NCRA Cumulative DPM Impacts

15:03:43

**MODELOPTs:

PAGE 130

*** Maximum train overlap at NE/SW Bound Direction

CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL

INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 35.36 | 63.64 | 0.00221 | 31.82 | 67.18 | 0.00212 |
| 28.28 | 70.71 | 0.00203 | 21.21 | 77.78 | 0.00182 |
| 14.14 | 84.85 | 0.00163 | 7.07 | 91.92 | 0.00145 |
| 0.00 | 98.99 | 0.00129 | -7.07 | 106.07 | 0.00116 |
| -14.14 | 113.14 | 0.00104 | -21.21 | 120.21 | 0.00094 |
| 113.14 | -28.28 | 0.00380 | 106.07 | -21.21 | 0.00413 |
| 98.99 | -14.14 | 0.00449 | 91.92 | -7.07 | 0.00490 |
| 84.85 | 0.00 | 0.00535 | 77.78 | 7.07 | 0.00583 |
| 70.71 | 14.14 | 0.00629 | 63.64 | 21.21 | 0.00664 |
| 60.10 | 24.75 | 0.00671 | 56.57 | 28.28 | 0.00667 |
| 54.45 | 30.41 | 0.00658 | 53.03 | 31.82 | 0.00648 |
| 51.62 | 33.23 | 0.00636 | 50.20 | 34.65 | 0.00621 |
| 48.79 | 36.06 | 0.00605 | 36.06 | 48.79 | 0.00241 |
| 34.65 | 50.20 | 0.00236 | 33.23 | 51.62 | 0.00232 |
| 31.82 | 53.03 | 0.00229 | 30.41 | 54.45 | 0.00226 |
| 28.28 | 56.57 | 0.00222 | 24.75 | 60.10 | 0.00213 |
| 21.21 | 63.64 | 0.00204 | 14.14 | 70.71 | 0.00183 |
| 7.07 | 77.78 | 0.00164 | 0.00 | 84.85 | 0.00146 |
| -7.07 | 91.92 | 0.00130 | -14.14 | 98.99 | 0.00117 |
| -21.21 | 106.07 | 0.00105 | -28.28 | 113.14 | 0.00095 |
| 106.07 | -35.36 | 0.00382 | 98.99 | -28.28 | 0.00414 |
| 91.92 | -21.21 | 0.00451 | 84.85 | -14.14 | 0.00492 |
| 77.78 | -7.07 | 0.00537 | 70.71 | 0.00 | 0.00584 |
| 63.64 | 7.07 | 0.00630 | 56.57 | 14.14 | 0.00665 |
| 53.03 | 17.68 | 0.00672 | 49.50 | 21.21 | 0.00669 |
| 47.38 | 23.33 | 0.00660 | 45.96 | 24.75 | 0.00650 |
| 44.55 | 26.16 | 0.00638 | 43.13 | 27.58 | 0.00623 |
| 41.72 | 28.99 | 0.00606 | 28.99 | 41.72 | 0.00242 |
| 27.58 | 43.13 | 0.00237 | 26.16 | 44.55 | 0.00233 |
| 24.75 | 45.96 | 0.00230 | 23.33 | 47.38 | 0.00228 |
| 21.21 | 49.50 | 0.00223 | 17.68 | 53.03 | 0.00214 |
| 14.14 | 56.57 | 0.00205 | 7.07 | 63.64 | 0.00184 |
| 0.00 | 70.71 | 0.00165 | -7.07 | 77.78 | 0.00147 |
| -14.14 | 84.85 | 0.00131 | -21.21 | 91.92 | 0.00118 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -28.28 | 98.99 | 0.00106 | -35.36 | 106.07 | 0.00096 |
| 98.99 | -42.43 | 0.00383 | 91.92 | -35.36 | 0.00416 |
| 84.85 | -28.28 | 0.00452 | 77.78 | -21.21 | 0.00493 |
| 70.71 | -14.14 | 0.00538 | 63.64 | -7.07 | 0.00586 |
| 56.57 | 0.00 | 0.00631 | 49.50 | 7.07 | 0.00666 |
| 45.96 | 10.61 | 0.00673 | 42.43 | 14.14 | 0.00669 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 131
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.31 | 16.26 | 0.00660 | 38.89 | 17.68 | 0.00650 |
| 37.48 | 19.09 | 0.00638 | 36.06 | 20.51 | 0.00625 |
| 34.65 | 21.92 | 0.00610 | 21.92 | 34.65 | 0.00243 |
| 20.51 | 36.06 | 0.00238 | 19.09 | 37.48 | 0.00234 |
| 17.68 | 38.89 | 0.00231 | 16.26 | 40.31 | 0.00228 |
| 14.14 | 42.43 | 0.00224 | 10.61 | 45.96 | 0.00215 |
| 7.07 | 49.50 | 0.00205 | 0.00 | 56.57 | 0.00185 |
| -7.07 | 63.64 | 0.00165 | -14.14 | 70.71 | 0.00148 |
| -21.21 | 77.78 | 0.00132 | -28.28 | 84.85 | 0.00119 |
| -35.36 | 91.92 | 0.00107 | -42.43 | 98.99 | 0.00097 |
| 91.92 | -49.50 | 0.00384 | 84.85 | -42.43 | 0.00417 |
| 77.78 | -35.36 | 0.00453 | 70.71 | -28.28 | 0.00494 |
| 63.64 | -21.21 | 0.00539 | 56.57 | -14.14 | 0.00587 |
| 49.50 | -7.07 | 0.00632 | 42.43 | 0.00 | 0.00666 |
| 38.89 | 3.54 | 0.00674 | 35.36 | 7.07 | 0.00670 |
| 33.23 | 9.19 | 0.00661 | 31.82 | 10.61 | 0.00651 |
| 30.41 | 12.02 | 0.00638 | 28.99 | 13.44 | 0.00625 |
| 27.58 | 14.85 | 0.00610 | 14.85 | 27.58 | 0.00243 |
| 13.44 | 28.99 | 0.00238 | 12.02 | 30.41 | 0.00235 |
| 10.61 | 31.82 | 0.00232 | 9.19 | 33.23 | 0.00229 |
| 7.07 | 35.36 | 0.00225 | 3.54 | 38.89 | 0.00216 |
| 0.00 | 42.43 | 0.00206 | -7.07 | 49.50 | 0.00186 |
| -14.14 | 56.57 | 0.00166 | -21.21 | 63.64 | 0.00148 |
| -28.28 | 70.71 | 0.00133 | -35.36 | 77.78 | 0.00120 |
| -42.43 | 84.85 | 0.00108 | -49.50 | 91.92 | 0.00098 |
| 84.85 | -56.57 | 0.00385 | 77.78 | -49.50 | 0.00418 |
| 70.71 | -42.43 | 0.00454 | 63.64 | -35.36 | 0.00495 |
| 56.57 | -28.28 | 0.00540 | 49.50 | -21.21 | 0.00588 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|-------|---------|
| 42.43 | -14.14 | 0.00633 | 35.36 | -7.07 | 0.00667 |
| 31.82 | -3.54 | 0.00674 | 28.28 | 0.00 | 0.00671 |
| 26.16 | 2.12 | 0.00662 | 24.75 | 3.54 | 0.00652 |
| 23.33 | 4.95 | 0.00639 | 21.92 | 6.36 | 0.00624 |
| 20.51 | 7.78 | 0.00610 | 7.78 | 20.51 | 0.00243 |
| 6.36 | 21.92 | 0.00239 | 4.95 | 23.33 | 0.00235 |
| 3.54 | 24.75 | 0.00233 | 2.12 | 26.16 | 0.00230 |
| 0.00 | 28.28 | 0.00225 | -3.54 | 31.82 | 0.00217 |
| -7.07 | 35.36 | 0.00207 | -14.14 | 42.43 | 0.00186 |
| -21.21 | 49.50 | 0.00167 | -28.28 | 56.57 | 0.00149 |
| -35.36 | 63.64 | 0.00134 | -42.43 | 70.71 | 0.00120 |
| -49.50 | 77.78 | 0.00109 | -56.57 | 84.85 | 0.00099 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

15:03:43

**MODELOPTs:
 PAGE 132

CONC URBAN FLAT FLGPOL DFAULT

*** *** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 77.78 | -63.64 | 0.00386 | 70.71 | -56.57 | 0.00418 |
| 63.64 | -49.50 | 0.00455 | 56.57 | -42.43 | 0.00496 |
| 49.50 | -35.36 | 0.00541 | 42.43 | -28.28 | 0.00588 |
| 35.36 | -21.21 | 0.00634 | 28.28 | -14.14 | 0.00668 |
| 24.75 | -10.61 | 0.00675 | 21.21 | -7.07 | 0.00671 |
| 19.09 | -4.95 | 0.00662 | 17.68 | -3.54 | 0.00652 |
| 16.26 | -2.12 | 0.00640 | 14.85 | -0.71 | 0.00625 |
| 13.44 | 0.71 | 0.00610 | 0.71 | 13.44 | 0.00244 |
| -0.71 | 14.85 | 0.00239 | -2.12 | 16.26 | 0.00236 |
| -3.54 | 17.68 | 0.00233 | -4.95 | 19.09 | 0.00230 |
| -7.07 | 21.21 | 0.00226 | -10.61 | 24.75 | 0.00217 |
| -14.14 | 28.28 | 0.00208 | -21.21 | 35.36 | 0.00187 |
| -28.28 | 42.43 | 0.00167 | -35.36 | 49.50 | 0.00150 |
| -42.43 | 56.57 | 0.00134 | -49.50 | 63.64 | 0.00121 |
| -56.57 | 70.71 | 0.00109 | -63.64 | 77.78 | 0.00099 |
| 70.71 | -70.71 | 0.00386 | 63.64 | -63.64 | 0.00419 |
| 56.57 | -56.57 | 0.00455 | 49.50 | -49.50 | 0.00496 |
| 42.43 | -42.43 | 0.00541 | 35.36 | -35.36 | 0.00589 |
| 28.28 | -28.28 | 0.00635 | 21.21 | -21.21 | 0.00669 |
| 17.68 | -17.68 | 0.00676 | 14.14 | -14.14 | 0.00672 |
| 12.02 | -12.02 | 0.00662 | 10.61 | -10.61 | 0.00652 |
| 9.19 | -9.19 | 0.00640 | 7.78 | -7.78 | 0.00625 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 6.36 | -6.36 | 0.00610 | -6.36 | 6.36 | 0.00244 |
| -7.78 | 7.78 | 0.00240 | -9.19 | 9.19 | 0.00237 |
| -10.61 | 10.61 | 0.00234 | -12.02 | 12.02 | 0.00231 |
| -14.14 | 14.14 | 0.00226 | -17.68 | 17.68 | 0.00218 |
| -21.21 | 21.21 | 0.00208 | -28.28 | 28.28 | 0.00187 |
| -35.36 | 35.36 | 0.00168 | -42.43 | 42.43 | 0.00150 |
| -49.50 | 49.50 | 0.00135 | -56.57 | 56.57 | 0.00121 |
| -63.64 | 63.64 | 0.00110 | -70.71 | 70.71 | 0.00100 |
| 63.64 | -77.78 | 0.00387 | 56.57 | -70.71 | 0.00419 |
| 49.50 | -63.64 | 0.00456 | 42.43 | -56.57 | 0.00497 |
| 35.36 | -49.50 | 0.00542 | 28.28 | -42.43 | 0.00589 |
| 21.21 | -35.36 | 0.00635 | 14.14 | -28.28 | 0.00669 |
| 10.61 | -24.75 | 0.00676 | 7.07 | -21.21 | 0.00672 |
| 4.95 | -19.09 | 0.00662 | 3.54 | -17.68 | 0.00653 |
| 2.12 | -16.26 | 0.00640 | 0.71 | -14.85 | 0.00626 |
| -0.71 | -13.44 | 0.00609 | -13.44 | -0.71 | 0.00245 |
| -14.85 | 0.71 | 0.00240 | -16.26 | 2.12 | 0.00237 |
| -17.68 | 3.54 | 0.00234 | -19.09 | 4.95 | 0.00231 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 133
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -21.21 | 7.07 | 0.00227 | -24.75 | 10.61 | 0.00218 |
| -28.28 | 14.14 | 0.00208 | -35.36 | 21.21 | 0.00188 |
| -42.43 | 28.28 | 0.00168 | -49.50 | 35.36 | 0.00150 |
| -56.57 | 42.43 | 0.00135 | -63.64 | 49.50 | 0.00122 |
| -70.71 | 56.57 | 0.00110 | -77.78 | 63.64 | 0.00100 |
| 56.57 | -84.85 | 0.00387 | 49.50 | -77.78 | 0.00420 |
| 42.43 | -70.71 | 0.00456 | 35.36 | -63.64 | 0.00497 |
| 28.28 | -56.57 | 0.00542 | 21.21 | -49.50 | 0.00590 |
| 14.14 | -42.43 | 0.00635 | 7.07 | -35.36 | 0.00669 |
| 3.54 | -31.82 | 0.00676 | 0.00 | -28.28 | 0.00672 |
| -2.12 | -26.16 | 0.00663 | -3.54 | -24.75 | 0.00653 |
| -4.95 | -23.33 | 0.00640 | -6.36 | -21.92 | 0.00626 |
| -7.78 | -20.51 | 0.00610 | -20.51 | -7.78 | 0.00245 |
| -21.92 | -6.36 | 0.00240 | -23.33 | -4.95 | 0.00237 |
| -24.75 | -3.54 | 0.00234 | -26.16 | -2.12 | 0.00231 |
| -28.28 | 0.00 | 0.00227 | -31.82 | 3.54 | 0.00218 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -35.36 | 7.07 | 0.00209 | -42.43 | 14.14 | 0.00188 |
| -49.50 | 21.21 | 0.00168 | -56.57 | 28.28 | 0.00151 |
| -63.64 | 35.36 | 0.00135 | -70.71 | 42.43 | 0.00122 |
| -77.78 | 49.50 | 0.00110 | -84.85 | 56.57 | 0.00100 |
| 49.50 | -91.92 | 0.00387 | 42.43 | -84.85 | 0.00420 |
| 35.36 | -77.78 | 0.00457 | 28.28 | -70.71 | 0.00498 |
| 21.21 | -63.64 | 0.00542 | 14.14 | -56.57 | 0.00590 |
| 7.07 | -49.50 | 0.00635 | 0.00 | -42.43 | 0.00669 |
| -3.54 | -38.89 | 0.00677 | -7.07 | -35.36 | 0.00673 |
| -9.19 | -33.23 | 0.00663 | -10.61 | -31.82 | 0.00653 |
| -12.02 | -30.41 | 0.00641 | -13.44 | -28.99 | 0.00626 |
| -14.85 | -27.58 | 0.00610 | -27.58 | -14.85 | 0.00246 |
| -28.99 | -13.44 | 0.00241 | -30.41 | -12.02 | 0.00237 |
| -31.82 | -10.61 | 0.00234 | -33.23 | -9.19 | 0.00232 |
| -35.36 | -7.07 | 0.00227 | -38.89 | -3.54 | 0.00218 |
| -42.43 | 0.00 | 0.00209 | -49.50 | 7.07 | 0.00188 |
| -56.57 | 14.14 | 0.00169 | -63.64 | 21.21 | 0.00151 |
| -70.71 | 28.28 | 0.00135 | -77.78 | 35.36 | 0.00122 |
| -84.85 | 42.43 | 0.00111 | -91.92 | 49.50 | 0.00101 |
| 42.43 | -98.99 | 0.00387 | 35.36 | -91.92 | 0.00420 |
| 28.28 | -84.85 | 0.00457 | 21.21 | -77.78 | 0.00498 |
| 14.14 | -70.71 | 0.00543 | 7.07 | -63.64 | 0.00590 |
| 0.00 | -56.57 | 0.00635 | -7.07 | -49.50 | 0.00669 |
| -10.61 | -45.96 | 0.00677 | -14.14 | -42.43 | 0.00673 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 134
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER IN MICROGRAMS/M**3 | | | ** | | |
|-------------------------------------|-------------|---------|-------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| -16.26 | -40.31 | 0.00664 | -17.68 | -38.89 | 0.00654 |
| -19.09 | -37.48 | 0.00642 | -20.51 | -36.06 | 0.00627 |
| -21.92 | -34.65 | 0.00610 | -34.65 | -21.92 | 0.00246 |
| -36.06 | -20.51 | 0.00241 | -37.48 | -19.09 | 0.00237 |
| -38.89 | -17.68 | 0.00234 | -40.31 | -16.26 | 0.00232 |
| -42.43 | -14.14 | 0.00227 | -45.96 | -10.61 | 0.00219 |
| -49.50 | -7.07 | 0.00209 | -56.57 | 0.00 | 0.00188 |
| -63.64 | 7.07 | 0.00169 | -70.71 | 14.14 | 0.00151 |
| -77.78 | 21.21 | 0.00136 | -84.85 | 28.28 | 0.00122 |
| -91.92 | 35.36 | 0.00111 | -98.99 | 42.43 | 0.00101 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| 35.36 | -106.07 | 0.00387 | 28.28 | -98.99 | 0.00420 |
| 21.21 | -91.92 | 0.00456 | 14.14 | -84.85 | 0.00498 |
| 7.07 | -77.78 | 0.00543 | 0.00 | -70.71 | 0.00590 |
| -7.07 | -63.64 | 0.00635 | -14.14 | -56.57 | 0.00669 |
| -17.68 | -53.03 | 0.00677 | -21.21 | -49.50 | 0.00673 |
| -23.33 | -47.38 | 0.00663 | -24.75 | -45.96 | 0.00653 |
| -26.16 | -44.55 | 0.00641 | -27.58 | -43.13 | 0.00628 |
| -28.99 | -41.72 | 0.00613 | -41.72 | -28.99 | 0.00246 |
| -43.13 | -27.58 | 0.00241 | -44.55 | -26.16 | 0.00237 |
| -45.96 | -24.75 | 0.00234 | -47.38 | -23.33 | 0.00232 |
| -49.50 | -21.21 | 0.00227 | -53.03 | -17.68 | 0.00219 |
| -56.57 | -14.14 | 0.00209 | -63.64 | -7.07 | 0.00188 |
| -70.71 | 0.00 | 0.00169 | -77.78 | 7.07 | 0.00151 |
| -84.85 | 14.14 | 0.00136 | -91.92 | 21.21 | 0.00122 |
| -98.99 | 28.28 | 0.00111 | -106.07 | 35.36 | 0.00101 |
| 28.28 | -113.14 | 0.00386 | 21.21 | -106.07 | 0.00419 |
| 14.14 | -98.99 | 0.00456 | 7.07 | -91.92 | 0.00497 |
| 0.00 | -84.85 | 0.00542 | -7.07 | -77.78 | 0.00590 |
| -14.14 | -70.71 | 0.00635 | -21.21 | -63.64 | 0.00669 |
| -24.75 | -60.10 | 0.00676 | -28.28 | -56.57 | 0.00673 |
| -30.41 | -54.45 | 0.00663 | -31.82 | -53.03 | 0.00653 |
| -33.23 | -51.62 | 0.00640 | -34.65 | -50.20 | 0.00627 |
| -36.06 | -48.79 | 0.00612 | -48.79 | -36.06 | 0.00245 |
| -50.20 | -34.65 | 0.00241 | -51.62 | -33.23 | 0.00237 |
| -53.03 | -31.82 | 0.00234 | -54.45 | -30.41 | 0.00232 |
| -56.57 | -28.28 | 0.00227 | -60.10 | -24.75 | 0.00219 |
| -63.64 | -21.21 | 0.00209 | -70.71 | -14.14 | 0.00189 |
| -77.78 | -7.07 | 0.00169 | -84.85 | 0.00 | 0.00151 |
| -91.92 | 7.07 | 0.00136 | -98.99 | 14.14 | 0.00122 |
| -106.07 | 21.21 | 0.00111 | -113.14 | 28.28 | 0.00101 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 135
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,
 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER | | | IN MICROGRAMS/M**3 | | |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| 21.21 | -120.21 | 0.00385 | 14.14 | -113.14 | 0.00418 |
| 7.07 | -106.07 | 0.00455 | 0.00 | -98.99 | 0.00497 |
| -7.07 | -91.92 | 0.00542 | -14.14 | -84.85 | 0.00589 |
| -21.21 | -77.78 | 0.00635 | -28.28 | -70.71 | 0.00669 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -31.82 | -67.18 | 0.00675 | -35.36 | -63.64 | 0.00672 |
| -37.48 | -61.52 | 0.00663 | -38.89 | -60.10 | 0.00653 |
| -40.31 | -58.69 | 0.00640 | -41.72 | -57.28 | 0.00626 |
| -43.13 | -55.86 | 0.00611 | -55.86 | -43.13 | 0.00245 |
| -57.28 | -41.72 | 0.00240 | -58.69 | -40.31 | 0.00237 |
| -60.10 | -38.89 | 0.00234 | -61.52 | -37.48 | 0.00231 |
| -63.64 | -35.36 | 0.00227 | -67.18 | -31.82 | 0.00218 |
| -70.71 | -28.28 | 0.00209 | -77.78 | -21.21 | 0.00188 |
| -84.85 | -14.14 | 0.00169 | -91.92 | -7.07 | 0.00151 |
| -98.99 | 0.00 | 0.00136 | -106.07 | 7.07 | 0.00122 |
| -113.14 | 14.14 | 0.00111 | -120.21 | 21.21 | 0.00101 |
| 14.14 | -127.28 | 0.00384 | 7.07 | -120.21 | 0.00417 |
| 0.00 | -113.14 | 0.00455 | -7.07 | -106.07 | 0.00496 |
| -14.14 | -98.99 | 0.00541 | -21.21 | -91.92 | 0.00589 |
| -28.28 | -84.85 | 0.00634 | -35.36 | -77.78 | 0.00668 |
| -38.89 | -74.25 | 0.00675 | -42.43 | -70.71 | 0.00671 |
| -44.55 | -68.59 | 0.00662 | -45.96 | -67.18 | 0.00652 |
| -47.38 | -65.76 | 0.00640 | -48.79 | -64.35 | 0.00625 |
| -50.20 | -62.93 | 0.00610 | -62.93 | -50.20 | 0.00244 |
| -64.35 | -48.79 | 0.00240 | -65.76 | -47.38 | 0.00237 |
| -67.18 | -45.96 | 0.00234 | -68.59 | -44.55 | 0.00231 |
| -70.71 | -42.43 | 0.00226 | -74.25 | -38.89 | 0.00218 |
| -77.78 | -35.36 | 0.00209 | -84.85 | -28.28 | 0.00188 |
| -91.92 | -21.21 | 0.00169 | -98.99 | -14.14 | 0.00151 |
| -106.07 | -7.07 | 0.00135 | -113.14 | 0.00 | 0.00122 |
| -120.21 | 7.07 | 0.00111 | -127.28 | 14.14 | 0.00101 |
| 7.07 | -134.35 | 0.00383 | 0.00 | -127.28 | 0.00416 |
| -7.07 | -120.21 | 0.00453 | -14.14 | -113.14 | 0.00495 |
| -21.21 | -106.07 | 0.00540 | -28.28 | -98.99 | 0.00588 |
| -35.36 | -91.92 | 0.00634 | -42.43 | -84.85 | 0.00668 |
| -45.96 | -81.32 | 0.00675 | -49.50 | -77.78 | 0.00671 |
| -51.62 | -75.66 | 0.00661 | -53.03 | -74.25 | 0.00651 |
| -54.45 | -72.83 | 0.00639 | -55.86 | -71.42 | 0.00625 |
| -57.28 | -70.00 | 0.00609 | -70.00 | -57.28 | 0.00244 |
| -71.42 | -55.86 | 0.00239 | -72.83 | -54.45 | 0.00236 |
| -74.25 | -53.03 | 0.00233 | -75.66 | -51.62 | 0.00230 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at NE/SW Bound Direction ***

15:03:43
 **MODELOPTs:
 PAGE 136
 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 *** INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,
 *** DISCRETE CARTESIAN RECEPTOR POINTS ***

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound
 ** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -77.78 | -49.50 | 0.00226 | -81.32 | -45.96 | 0.00218 |
| -84.85 | -42.43 | 0.00208 | -91.92 | -35.36 | 0.00188 |
| -98.99 | -28.28 | 0.00168 | -106.07 | -21.21 | 0.00151 |
| -113.14 | -14.14 | 0.00135 | -120.21 | -7.07 | 0.00122 |
| -127.28 | 0.00 | 0.00111 | -134.35 | 7.07 | 0.00101 |
| 0.00 | -141.42 | 0.00380 | -7.07 | -134.35 | 0.00414 |
| -14.14 | -127.28 | 0.00452 | -21.21 | -120.21 | 0.00494 |
| -28.28 | -113.14 | 0.00539 | -35.36 | -106.07 | 0.00587 |
| -42.43 | -98.99 | 0.00633 | -49.50 | -91.92 | 0.00667 |
| -53.03 | -88.39 | 0.00674 | -56.57 | -84.85 | 0.00670 |
| -58.69 | -82.73 | 0.00660 | -60.10 | -81.32 | 0.00651 |
| -61.52 | -79.90 | 0.00638 | -62.93 | -78.49 | 0.00624 |
| -64.35 | -77.07 | 0.00608 | -77.07 | -64.35 | 0.00243 |
| -78.49 | -62.93 | 0.00239 | -79.90 | -61.52 | 0.00236 |
| -81.32 | -60.10 | 0.00233 | -82.73 | -58.69 | 0.00230 |
| -84.85 | -56.57 | 0.00225 | -88.39 | -53.03 | 0.00217 |
| -91.92 | -49.50 | 0.00208 | -98.99 | -42.43 | 0.00188 |
| -106.07 | -35.36 | 0.00168 | -113.14 | -28.28 | 0.00150 |
| -120.21 | -21.21 | 0.00135 | -127.28 | -14.14 | 0.00122 |
| -134.35 | -7.07 | 0.00110 | -141.42 | 0.00 | 0.00100 |
| -7.07 | -148.49 | 0.00378 | -14.14 | -141.42 | 0.00411 |
| -21.21 | -134.35 | 0.00449 | -28.28 | -127.28 | 0.00492 |
| -35.36 | -120.21 | 0.00538 | -42.43 | -113.14 | 0.00586 |
| -49.50 | -106.07 | 0.00631 | -56.57 | -98.99 | 0.00666 |
| -60.10 | -95.46 | 0.00673 | -63.64 | -91.92 | 0.00669 |
| -65.76 | -89.80 | 0.00659 | -67.18 | -88.39 | 0.00650 |
| -68.59 | -86.97 | 0.00637 | -70.00 | -85.56 | 0.00623 |
| -71.42 | -84.15 | 0.00607 | -84.15 | -71.42 | 0.00243 |
| -85.56 | -70.00 | 0.00238 | -86.97 | -68.59 | 0.00235 |
| -88.39 | -67.18 | 0.00232 | -89.80 | -65.76 | 0.00229 |
| -91.92 | -63.64 | 0.00225 | -95.46 | -60.10 | 0.00216 |
| -98.99 | -56.57 | 0.00207 | -106.07 | -49.50 | 0.00187 |
| -113.14 | -42.43 | 0.00168 | -120.21 | -35.36 | 0.00150 |
| -127.28 | -28.28 | 0.00134 | -134.35 | -21.21 | 0.00121 |
| -141.42 | -14.14 | 0.00110 | -148.49 | -7.07 | 0.00100 |
| -14.14 | -155.56 | 0.00374 | -21.21 | -148.49 | 0.00408 |
| -28.28 | -141.42 | 0.00446 | -35.36 | -134.35 | 0.00489 |
| -42.43 | -127.28 | 0.00535 | -49.50 | -120.21 | 0.00584 |
| -56.57 | -113.14 | 0.00630 | -63.64 | -106.07 | 0.00664 |
| -67.18 | -102.53 | 0.00672 | -70.71 | -98.99 | 0.00668 |

1 *** ISCST3 - VERSION 02035 ***
 04/20/08

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at NE/SW Bound Direction

15:03:43
 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 *** INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| ** CONC OF OTHER | | | IN MICROGRAMS/M**3 | | |
|------------------|-------------|---------|--------------------|-------------|---------|
| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
| -72.83 | -96.87 | 0.00658 | -74.25 | -95.46 | 0.00648 |
| -75.66 | -94.05 | 0.00636 | -77.07 | -92.63 | 0.00621 |
| -78.49 | -91.22 | 0.00605 | -91.22 | -78.49 | 0.00242 |
| -92.63 | -77.07 | 0.00237 | -94.05 | -75.66 | 0.00234 |
| -95.46 | -74.25 | 0.00231 | -96.87 | -72.83 | 0.00228 |
| -98.99 | -70.71 | 0.00224 | -102.53 | -67.18 | 0.00216 |
| -106.07 | -63.64 | 0.00206 | -113.14 | -56.57 | 0.00186 |
| -120.21 | -49.50 | 0.00167 | -127.28 | -42.43 | 0.00149 |
| -134.35 | -35.36 | 0.00134 | -141.42 | -28.28 | 0.00121 |
| -148.49 | -21.21 | 0.00109 | -155.56 | -14.14 | 0.00100 |
| -21.21 | -162.63 | 0.00369 | -28.28 | -155.56 | 0.00404 |
| -35.36 | -148.49 | 0.00442 | -42.43 | -141.42 | 0.00485 |
| -49.50 | -134.35 | 0.00532 | -56.57 | -127.28 | 0.00581 |
| -63.64 | -120.21 | 0.00627 | -70.71 | -113.14 | 0.00662 |
| -74.25 | -109.60 | 0.00670 | -77.78 | -106.07 | 0.00666 |
| -79.90 | -103.94 | 0.00657 | -81.32 | -102.53 | 0.00648 |
| -82.73 | -101.12 | 0.00636 | -84.15 | -99.70 | 0.00621 |
| -85.56 | -98.29 | 0.00604 | -98.29 | -85.56 | 0.00241 |
| -99.70 | -84.15 | 0.00236 | -101.12 | -82.73 | 0.00232 |
| -102.53 | -81.32 | 0.00230 | -103.94 | -79.90 | 0.00227 |
| -106.07 | -77.78 | 0.00223 | -109.60 | -74.25 | 0.00215 |
| -113.14 | -70.71 | 0.00205 | -120.21 | -63.64 | 0.00186 |
| -127.28 | -56.57 | 0.00166 | -134.35 | -49.50 | 0.00149 |
| -141.42 | -42.43 | 0.00133 | -148.49 | -35.36 | 0.00120 |
| -155.56 | -28.28 | 0.00109 | -162.63 | -21.21 | 0.00099 |
| -28.28 | -169.71 | 0.00363 | -35.36 | -162.63 | 0.00398 |
| -42.43 | -155.56 | 0.00437 | -49.50 | -148.49 | 0.00480 |
| -56.57 | -141.42 | 0.00528 | -63.64 | -134.35 | 0.00577 |
| -70.71 | -127.28 | 0.00625 | -77.78 | -120.21 | 0.00660 |
| -81.32 | -116.67 | 0.00668 | -84.85 | -113.14 | 0.00664 |
| -86.97 | -111.02 | 0.00654 | -88.39 | -109.60 | 0.00644 |
| -89.80 | -108.19 | 0.00633 | -91.22 | -106.77 | 0.00620 |
| -92.63 | -105.36 | 0.00605 | -105.36 | -92.63 | 0.00239 |
| -106.77 | -91.22 | 0.00234 | -108.19 | -89.80 | 0.00231 |
| -109.60 | -88.39 | 0.00228 | -111.02 | -86.97 | 0.00226 |
| -113.14 | -84.85 | 0.00221 | -116.67 | -81.32 | 0.00213 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|--------|---------|---------|--------|---------|
| -120.21 | -77.78 | 0.00204 | -127.28 | -70.71 | 0.00184 |
| -134.35 | -63.64 | 0.00165 | -141.42 | -56.57 | 0.00148 |
| -148.49 | -49.50 | 0.00132 | -155.56 | -42.43 | 0.00119 |
| -162.63 | -35.36 | 0.00108 | -169.71 | -28.28 | 0.00098 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***
 *** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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 CONC

URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 *** INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -35.36 | -176.78 | 0.00355 | -42.43 | -169.71 | 0.00390 |
| -49.50 | -162.63 | 0.00430 | -56.57 | -155.56 | 0.00474 |
| -63.64 | -148.49 | 0.00522 | -70.71 | -141.42 | 0.00572 |
| -77.78 | -134.35 | 0.00621 | -84.85 | -127.28 | 0.00656 |
| -88.39 | -123.74 | 0.00664 | -91.92 | -120.21 | 0.00661 |
| -94.05 | -118.09 | 0.00652 | -95.46 | -116.67 | 0.00642 |
| -96.87 | -115.26 | 0.00630 | -98.29 | -113.84 | 0.00616 |
| -99.70 | -112.43 | 0.00602 | -112.43 | -99.70 | 0.00236 |
| -113.84 | -98.29 | 0.00232 | -115.26 | -96.87 | 0.00229 |
| -116.67 | -95.46 | 0.00226 | -118.09 | -94.05 | 0.00224 |
| -120.21 | -91.92 | 0.00220 | -123.74 | -88.39 | 0.00212 |
| -127.28 | -84.85 | 0.00203 | -134.35 | -77.78 | 0.00183 |
| -141.42 | -70.71 | 0.00164 | -148.49 | -63.64 | 0.00146 |
| -155.56 | -56.57 | 0.00131 | -162.63 | -49.50 | 0.00118 |
| -169.71 | -42.43 | 0.00107 | -176.78 | -35.36 | 0.00097 |
| -42.43 | -183.85 | 0.00345 | -49.50 | -176.78 | 0.00380 |
| -56.57 | -169.71 | 0.00419 | -63.64 | -162.63 | 0.00464 |
| -70.71 | -155.56 | 0.00513 | -77.78 | -148.49 | 0.00565 |
| -84.85 | -141.42 | 0.00615 | -91.92 | -134.35 | 0.00652 |
| -95.46 | -130.81 | 0.00660 | -98.99 | -127.28 | 0.00657 |
| -101.12 | -125.16 | 0.00648 | -102.53 | -123.74 | 0.00639 |
| -103.94 | -122.33 | 0.00627 | -105.36 | -120.92 | 0.00612 |
| -106.77 | -119.50 | 0.00598 | -119.50 | -106.77 | 0.00234 |
| -120.92 | -105.36 | 0.00229 | -122.33 | -103.94 | 0.00226 |
| -123.74 | -102.53 | 0.00224 | -125.16 | -101.12 | 0.00222 |
| -127.28 | -98.99 | 0.00218 | -130.81 | -95.46 | 0.00210 |
| -134.35 | -91.92 | 0.00201 | -141.42 | -84.85 | 0.00181 |
| -148.49 | -77.78 | 0.00162 | -155.56 | -70.71 | 0.00145 |
| -162.63 | -63.64 | 0.00130 | -169.71 | -56.57 | 0.00117 |
| -176.78 | -49.50 | 0.00105 | -183.85 | -42.43 | 0.00095 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -49.50 | -190.92 | 0.00331 | -56.57 | -183.85 | 0.00366 |
| -63.64 | -176.78 | 0.00405 | -70.71 | -169.71 | 0.00451 |
| -77.78 | -162.63 | 0.00501 | -84.85 | -155.56 | 0.00554 |
| -91.92 | -148.49 | 0.00605 | -98.99 | -141.42 | 0.00645 |
| -102.53 | -137.89 | 0.00654 | -106.07 | -134.35 | 0.00651 |
| -108.19 | -132.23 | 0.00643 | -109.60 | -130.81 | 0.00634 |
| -111.02 | -129.40 | 0.00622 | -112.43 | -127.99 | 0.00608 |
| -113.84 | -126.57 | 0.00593 | -126.57 | -113.84 | 0.00230 |
| -127.99 | -112.43 | 0.00226 | -129.40 | -111.02 | 0.00224 |
| -130.81 | -109.60 | 0.00221 | -132.23 | -108.19 | 0.00219 |

1 *** ISCST3 - VERSION 02035 *** 04/20/08 *** NCRA Cumulative DPM Impacts ***

*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -134.35 | -106.07 | 0.00215 | -137.89 | -102.53 | 0.00207 |
| -141.42 | -98.99 | 0.00198 | -148.49 | -91.92 | 0.00179 |
| -155.56 | -84.85 | 0.00160 | -162.63 | -77.78 | 0.00143 |
| -169.71 | -70.71 | 0.00128 | -176.78 | -63.64 | 0.00114 |
| -183.85 | -56.57 | 0.00103 | -190.92 | -49.50 | 0.00093 |
| -56.57 | -197.99 | 0.00315 | -63.64 | -190.92 | 0.00348 |
| -70.71 | -183.85 | 0.00386 | -77.78 | -176.78 | 0.00431 |
| -84.85 | -169.71 | 0.00482 | -91.92 | -162.63 | 0.00537 |
| -98.99 | -155.56 | 0.00590 | -106.07 | -148.49 | 0.00633 |
| -109.60 | -144.96 | 0.00645 | -113.14 | -141.42 | 0.00644 |
| -115.26 | -139.30 | 0.00635 | -116.67 | -137.89 | 0.00627 |
| -118.09 | -136.47 | 0.00615 | -119.50 | -135.06 | 0.00602 |
| -120.92 | -133.64 | 0.00587 | -133.64 | -120.92 | 0.00226 |
| -135.06 | -119.50 | 0.00222 | -136.47 | -118.09 | 0.00220 |
| -137.89 | -116.67 | 0.00217 | -139.30 | -115.26 | 0.00215 |
| -141.42 | -113.14 | 0.00212 | -144.96 | -109.60 | 0.00204 |
| -148.49 | -106.07 | 0.00195 | -155.56 | -98.99 | 0.00176 |
| -162.63 | -91.92 | 0.00157 | -169.71 | -84.85 | 0.00140 |
| -176.78 | -77.78 | 0.00125 | -183.85 | -70.71 | 0.00112 |
| -190.92 | -63.64 | 0.00100 | -197.99 | -56.57 | 0.00091 |
| -63.64 | -205.06 | 0.00295 | -70.71 | -197.99 | 0.00326 |
| -77.78 | -190.92 | 0.00362 | -84.85 | -183.85 | 0.00405 |
| -91.92 | -176.78 | 0.00454 | -98.99 | -169.71 | 0.00509 |
| -106.07 | -162.63 | 0.00566 | -113.14 | -155.56 | 0.00614 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -116.67 | -152.03 | 0.00628 | -120.21 | -148.49 | 0.00630 |
| -122.33 | -146.37 | 0.00624 | -123.74 | -144.96 | 0.00616 |
| -125.16 | -143.54 | 0.00605 | -126.57 | -142.13 | 0.00592 |
| -127.99 | -140.71 | 0.00577 | -140.71 | -127.99 | 0.00221 |
| -142.13 | -126.57 | 0.00217 | -143.54 | -125.16 | 0.00215 |
| -144.96 | -123.74 | 0.00213 | -146.37 | -122.33 | 0.00210 |
| -148.49 | -120.21 | 0.00207 | -152.03 | -116.67 | 0.00200 |
| -155.56 | -113.14 | 0.00191 | -162.63 | -106.07 | 0.00172 |
| -169.71 | -98.99 | 0.00153 | -176.78 | -91.92 | 0.00136 |
| -183.85 | -84.85 | 0.00121 | -190.92 | -77.78 | 0.00108 |
| -197.99 | -70.71 | 0.00097 | -205.06 | -63.64 | 0.00087 |
| -70.71 | -212.13 | 0.00271 | -77.78 | -205.06 | 0.00299 |
| -84.85 | -197.99 | 0.00332 | -91.92 | -190.92 | 0.00370 |
| -98.99 | -183.85 | 0.00415 | -106.07 | -176.78 | 0.00467 |
| -113.14 | -169.71 | 0.00523 | -120.21 | -162.63 | 0.00576 |
| -123.74 | -159.10 | 0.00595 | -127.28 | -155.56 | 0.00603 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at NE/SW Bound Direction ***

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40 | -153.44 | 0.00601 | -130.81 | -152.03 | 0.00596 |
| -132.23 | -150.61 | 0.00587 | -133.64 | -149.20 | 0.00576 |
| -135.06 | -147.79 | 0.00563 | -147.79 | -135.06 | 0.00213 |
| -149.20 | -133.64 | 0.00210 | -150.61 | -132.23 | 0.00208 |
| -152.03 | -130.81 | 0.00206 | -153.44 | -129.40 | 0.00204 |
| -155.56 | -127.28 | 0.00201 | -159.10 | -123.74 | 0.00193 |
| -162.63 | -120.21 | 0.00185 | -169.71 | -113.14 | 0.00165 |
| -176.78 | -106.07 | 0.00146 | -183.85 | -98.99 | 0.00129 |
| -190.92 | -91.92 | 0.00115 | -197.99 | -84.85 | 0.00102 |
| -205.06 | -77.78 | 0.00092 | -212.13 | -70.71 | 0.00083 |
| -77.78 | -219.20 | 0.00243 | -84.85 | -212.13 | 0.00267 |
| -91.92 | -205.06 | 0.00294 | -98.99 | -197.99 | 0.00327 |
| -106.07 | -190.92 | 0.00364 | -113.14 | -183.85 | 0.00407 |
| -120.21 | -176.78 | 0.00455 | -127.28 | -169.71 | 0.00504 |
| -130.81 | -166.17 | 0.00526 | -134.35 | -162.63 | 0.00542 |
| -136.47 | -160.51 | 0.00547 | -137.89 | -159.10 | 0.00547 |
| -139.30 | -157.68 | 0.00545 | -140.71 | -156.27 | 0.00540 |
| -142.13 | -154.86 | 0.00533 | -154.86 | -142.13 | 0.00203 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -156.27 | -140.71 | 0.00200 | -157.68 | -139.30 | 0.00197 |
| -159.10 | -137.89 | 0.00196 | -160.51 | -136.47 | 0.00193 |
| -162.63 | -134.35 | 0.00190 | -166.17 | -130.81 | 0.00182 |
| -169.71 | -127.28 | 0.00173 | -176.78 | -120.21 | 0.00153 |
| -183.85 | -113.14 | 0.00135 | -190.92 | -106.07 | 0.00120 |
| -197.99 | -98.99 | 0.00107 | -205.06 | -91.92 | 0.00096 |
| -212.13 | -84.85 | 0.00086 | -219.20 | -77.78 | 0.00079 |
| -84.85 | -226.27 | 0.00213 | -91.92 | -219.20 | 0.00231 |
| -98.99 | -212.13 | 0.00252 | -106.07 | -205.06 | 0.00275 |
| -113.14 | -197.99 | 0.00301 | -120.21 | -190.92 | 0.00330 |
| -127.28 | -183.85 | 0.00358 | -134.35 | -176.78 | 0.00385 |
| -137.89 | -173.24 | 0.00395 | -141.42 | -169.71 | 0.00404 |
| -143.54 | -167.58 | 0.00408 | -144.96 | -166.17 | 0.00411 |
| -146.37 | -164.76 | 0.00415 | -147.79 | -163.34 | 0.00420 |
| -149.20 | -161.93 | 0.00428 | -161.93 | -149.20 | 0.00182 |
| -163.34 | -147.79 | 0.00177 | -164.76 | -146.37 | 0.00174 |
| -166.17 | -144.96 | 0.00171 | -167.58 | -143.54 | 0.00169 |
| -169.71 | -141.42 | 0.00165 | -173.24 | -137.89 | 0.00157 |
| -176.78 | -134.35 | 0.00150 | -183.85 | -127.28 | 0.00135 |
| -190.92 | -120.21 | 0.00121 | -197.99 | -113.14 | 0.00108 |
| -205.06 | -106.07 | 0.00097 | -212.13 | -98.99 | 0.00088 |
| -219.20 | -91.92 | 0.00080 | -226.27 | -84.85 | 0.00073 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08
 15:03:43 *** Maximum train overlap at NE/SW Bound Direction ***
 **MODELOPTs:

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 CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -91.92 | -233.35 | 0.00184 | -98.99 | -226.27 | 0.00197 |
| -106.07 | -219.20 | 0.00210 | -113.14 | -212.13 | 0.00224 |
| -120.21 | -205.06 | 0.00239 | -127.28 | -197.99 | 0.00251 |
| -134.35 | -190.92 | 0.00258 | -141.42 | -183.85 | 0.00254 |
| -144.96 | -180.31 | 0.00246 | -148.49 | -176.78 | 0.00231 |
| -150.61 | -174.66 | 0.00219 | -152.03 | -173.24 | 0.00210 |
| -153.44 | -171.83 | 0.00199 | -154.86 | -170.41 | 0.00187 |
| -156.27 | -169.00 | 0.00174 | -169.00 | -156.27 | 0.00121 |
| -170.41 | -154.86 | 0.00122 | -171.83 | -153.44 | 0.00123 |
| -173.24 | -152.03 | 0.00124 | -174.66 | -150.61 | 0.00124 |
| -176.78 | -148.49 | 0.00124 | -180.31 | -144.96 | 0.00123 |
| -183.85 | -141.42 | 0.00120 | -190.92 | -134.35 | 0.00112 |

15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

| | | | | | |
|---------|---------|---------|---------|---------|---------|
| -197.99 | -127.28 | 0.00103 | -205.06 | -120.21 | 0.00094 |
| -212.13 | -113.14 | 0.00086 | -219.20 | -106.07 | 0.00079 |
| -226.27 | -98.99 | 0.00072 | -233.35 | -91.92 | 0.00067 |
| -98.99 | -240.42 | 0.00157 | -106.07 | -233.35 | 0.00165 |
| -113.14 | -226.27 | 0.00173 | -120.21 | -219.20 | 0.00180 |
| -127.28 | -212.13 | 0.00186 | -134.35 | -205.06 | 0.00188 |
| -141.42 | -197.99 | 0.00184 | -148.49 | -190.92 | 0.00171 |
| -152.03 | -187.38 | 0.00160 | -155.56 | -183.85 | 0.00146 |
| -157.68 | -181.73 | 0.00137 | -159.10 | -180.31 | 0.00130 |
| -160.51 | -178.90 | 0.00124 | -161.93 | -177.48 | 0.00119 |
| -163.34 | -176.07 | 0.00113 | -176.07 | -163.34 | 0.00092 |
| -177.48 | -161.93 | 0.00093 | -178.90 | -160.51 | 0.00093 |
| -180.31 | -159.10 | 0.00093 | -181.73 | -157.68 | 0.00094 |
| -183.85 | -155.56 | 0.00094 | -187.38 | -152.03 | 0.00095 |
| -190.92 | -148.49 | 0.00095 | -197.99 | -141.42 | 0.00093 |
| -205.06 | -134.35 | 0.00088 | -212.13 | -127.28 | 0.00082 |
| -219.20 | -120.21 | 0.00076 | -226.27 | -113.14 | 0.00070 |
| -233.35 | -106.07 | 0.00065 | -240.42 | -98.99 | 0.00061 |
| -106.07 | -247.49 | 0.00133 | -113.14 | -240.42 | 0.00138 |
| -120.21 | -233.35 | 0.00142 | -127.28 | -226.27 | 0.00145 |
| -134.35 | -219.20 | 0.00146 | -141.42 | -212.13 | 0.00143 |
| -148.49 | -205.06 | 0.00136 | -155.56 | -197.99 | 0.00123 |
| -159.10 | -194.45 | 0.00115 | -162.63 | -190.92 | 0.00107 |
| -164.76 | -188.80 | 0.00102 | -166.17 | -187.38 | 0.00099 |
| -167.58 | -185.97 | 0.00096 | -169.00 | -184.55 | 0.00093 |
| -170.41 | -183.14 | 0.00090 | -183.14 | -170.41 | 0.00077 |
| -184.55 | -169.00 | 0.00077 | -185.97 | -167.58 | 0.00077 |
| -187.38 | -166.17 | 0.00077 | -188.80 | -164.76 | 0.00077 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08

*** Maximum train overlap at NE/SW Bound Direction ***

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 **MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** THE ANNUAL (1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
 INCLUDING SOURCE(S): NCRA_S1 , NCRA_S2 , NCRA_S3 , NCRA_S4 , NCRA_S5 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -190.92 | -162.63 | 0.00077 | -194.45 | -159.10 | 0.00077 |
| -197.99 | -155.56 | 0.00077 | -205.06 | -148.49 | 0.00076 |
| -212.13 | -141.42 | 0.00074 | -219.20 | -134.35 | 0.00070 |
| -226.27 | -127.28 | 0.00067 | -233.35 | -120.21 | 0.00063 |
| -240.42 | -113.14 | 0.00059 | -247.49 | -106.07 | 0.00055 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***

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15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound

*** Maximum train overlap at NE/SW Bound Direction

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE SUMMARY OF MAXIMUM ANNUAL (1 YRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| GROUP ID | | | | AVERAGE CONC | RECEPTOR (XR, YR, ZELEV, ZFLAG) | | | OF TYPE | NETWORK GRID-ID | | |
|----------|------|---------|----------|--------------|---------------------------------|----------|----------|---------|-----------------|----|----|
| NCRA_S1 | 1ST | HIGHEST | VALUE IS | 0.00574 | AT (| -113.14, | -141.42, | 0.00, | 1.20) | DC | NA |
| | 2ND | HIGHEST | VALUE IS | 0.00572 | AT (| -109.60, | -144.96, | 0.00, | 1.20) | DC | NA |
| | 3RD | HIGHEST | VALUE IS | 0.00571 | AT (| -120.21, | -148.49, | 0.00, | 1.20) | DC | NA |
| | 4TH | HIGHEST | VALUE IS | 0.00568 | AT (| -115.26, | -139.30, | 0.00, | 1.20) | DC | NA |
| | 5TH | HIGHEST | VALUE IS | 0.00568 | AT (| -106.07, | -134.35, | 0.00, | 1.20) | DC | NA |
| | 6TH | HIGHEST | VALUE IS | 0.00567 | AT (| -122.33, | -146.37, | 0.00, | 1.20) | DC | NA |
| | 7TH | HIGHEST | VALUE IS | 0.00567 | AT (| -116.67, | -152.03, | 0.00, | 1.20) | DC | NA |
| | 8TH | HIGHEST | VALUE IS | 0.00566 | AT (| -102.53, | -137.89, | 0.00, | 1.20) | DC | NA |
| | 9TH | HIGHEST | VALUE IS | 0.00562 | AT (| -108.19, | -132.23, | 0.00, | 1.20) | DC | NA |
| | 10TH | HIGHEST | VALUE IS | 0.00561 | AT (| -116.67, | -137.89, | 0.00, | 1.20) | DC | NA |
| NCRA_S2 | 1ST | HIGHEST | VALUE IS | 0.00574 | AT (| -49.50, | -77.78, | 0.00, | 1.20) | DC | NA |
| | 2ND | HIGHEST | VALUE IS | 0.00572 | AT (| -45.96, | -81.32, | 0.00, | 1.20) | DC | NA |
| | 3RD | HIGHEST | VALUE IS | 0.00571 | AT (| -56.57, | -84.85, | 0.00, | 1.20) | DC | NA |
| | 4TH | HIGHEST | VALUE IS | 0.00568 | AT (| -51.62, | -75.66, | 0.00, | 1.20) | DC | NA |
| | 5TH | HIGHEST | VALUE IS | 0.00568 | AT (| -42.43, | -70.71, | 0.00, | 1.20) | DC | NA |
| | 6TH | HIGHEST | VALUE IS | 0.00567 | AT (| -58.69, | -82.73, | 0.00, | 1.20) | DC | NA |
| | 7TH | HIGHEST | VALUE IS | 0.00567 | AT (| -53.03, | -88.39, | 0.00, | 1.20) | DC | NA |
| | 8TH | HIGHEST | VALUE IS | 0.00566 | AT (| -38.89, | -74.25, | 0.00, | 1.20) | DC | NA |
| | 9TH | HIGHEST | VALUE IS | 0.00562 | AT (| -44.55, | -68.59, | 0.00, | 1.20) | DC | NA |
| | 10TH | HIGHEST | VALUE IS | 0.00561 | AT (| -53.03, | -74.25, | 0.00, | 1.20) | DC | NA |
| NCRA_S3 | 1ST | HIGHEST | VALUE IS | 0.00574 | AT (| 14.14, | -14.14, | 0.00, | 1.20) | DC | NA |
| | 2ND | HIGHEST | VALUE IS | 0.00572 | AT (| 17.68, | -17.68, | 0.00, | 1.20) | DC | NA |
| | 3RD | HIGHEST | VALUE IS | 0.00571 | AT (| 7.07, | -21.21, | 0.00, | 1.20) | DC | NA |
| | 4TH | HIGHEST | VALUE IS | 0.00568 | AT (| 12.02, | -12.02, | 0.00, | 1.20) | DC | NA |
| | 5TH | HIGHEST | VALUE IS | 0.00568 | AT (| 21.21, | -7.07, | 0.00, | 1.20) | DC | NA |
| | 6TH | HIGHEST | VALUE IS | 0.00567 | AT (| 4.95, | -19.09, | 0.00, | 1.20) | DC | NA |
| | 7TH | HIGHEST | VALUE IS | 0.00567 | AT (| 10.61, | -24.75, | 0.00, | 1.20) | DC | NA |
| | 8TH | HIGHEST | VALUE IS | 0.00566 | AT (| 24.75, | -10.61, | 0.00, | 1.20) | DC | NA |
| | 9TH | HIGHEST | VALUE IS | 0.00562 | AT (| 19.09, | -4.95, | 0.00, | 1.20) | DC | NA |
| | 10TH | HIGHEST | VALUE IS | 0.00561 | AT (| 10.61, | -10.61, | 0.00, | 1.20) | DC | NA |

1 *** ISCST3 - VERSION 02035 ***

*** NCRA Cumulative DPM Impacts

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*** Maximum train overlap at NE/SW Bound Direction

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**MODELOPTs:

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CONC

URBAN FLAT FLGPOL DFAULT

*** THE SUMMARY OF MAXIMUM ANNUAL (1 YRS) RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3

**

| GROUP ID | | | | AVERAGE CONC | RECEPTOR (XR, YR, ZELEV, ZFLAG) | | | OF TYPE | NETWORK GRID-ID | | |
|----------|------|---------|----------|--------------|---------------------------------|---------|---------|---------|-----------------|----|----|
| NCRA_S4 | 1ST | HIGHEST | VALUE IS | 0.00574 | AT (| 77.78, | 49.50, | 0.00, | 1.20) | DC | NA |
| | 2ND | HIGHEST | VALUE IS | 0.00572 | AT (| 81.32, | 45.96, | 0.00, | 1.20) | DC | NA |
| | 3RD | HIGHEST | VALUE IS | 0.00571 | AT (| 70.71, | 42.43, | 0.00, | 1.20) | DC | NA |
| | 4TH | HIGHEST | VALUE IS | 0.00568 | AT (| 75.66, | 51.62, | 0.00, | 1.20) | DC | NA |
| | 5TH | HIGHEST | VALUE IS | 0.00568 | AT (| 84.85, | 56.57, | 0.00, | 1.20) | DC | NA |
| | 6TH | HIGHEST | VALUE IS | 0.00567 | AT (| 68.59, | 44.55, | 0.00, | 1.20) | DC | NA |
| | 7TH | HIGHEST | VALUE IS | 0.00567 | AT (| 74.25, | 38.89, | 0.00, | 1.20) | DC | NA |
| | 8TH | HIGHEST | VALUE IS | 0.00566 | AT (| 88.39, | 53.03, | 0.00, | 1.20) | DC | NA |
| | 9TH | HIGHEST | VALUE IS | 0.00562 | AT (| 82.73, | 58.69, | 0.00, | 1.20) | DC | NA |
| | 10TH | HIGHEST | VALUE IS | 0.00561 | AT (| 74.25, | 53.03, | 0.00, | 1.20) | DC | NA |
| NCRA_S5 | 1ST | HIGHEST | VALUE IS | 0.00574 | AT (| 141.42, | 113.14, | 0.00, | 1.20) | DC | NA |
| | 2ND | HIGHEST | VALUE IS | 0.00572 | AT (| 144.96, | 109.60, | 0.00, | 1.20) | DC | NA |
| | 3RD | HIGHEST | VALUE IS | 0.00571 | AT (| 134.35, | 106.07, | 0.00, | 1.20) | DC | NA |
| | 4TH | HIGHEST | VALUE IS | 0.00568 | AT (| 139.30, | 115.26, | 0.00, | 1.20) | DC | NA |
| | 5TH | HIGHEST | VALUE IS | 0.00568 | AT (| 148.49, | 120.21, | 0.00, | 1.20) | DC | NA |
| | 6TH | HIGHEST | VALUE IS | 0.00567 | AT (| 132.23, | 108.19, | 0.00, | 1.20) | DC | NA |
| | 7TH | HIGHEST | VALUE IS | 0.00567 | AT (| 137.89, | 102.53, | 0.00, | 1.20) | DC | NA |
| | 8TH | HIGHEST | VALUE IS | 0.00566 | AT (| 152.03, | 116.67, | 0.00, | 1.20) | DC | NA |

| 15NCRA_PL97-300_DPM_TRAV_ANN_NE-SW Bound | | | | | | | | | |
|--|-----------------------|---------|------|---------|---------|-------|-------|----|----|
| | 9TH HIGHEST VALUE IS | 0.00562 | AT (| 146.37, | 122.33, | 0.00, | 1.20) | DC | NA |
| | 10TH HIGHEST VALUE IS | 0.00561 | AT (| 137.89, | 116.67, | 0.00, | 1.20) | DC | NA |
| ALL | 1ST HIGHEST VALUE IS | 0.00677 | AT (| -10.61, | -45.96, | 0.00, | 1.20) | DC | NA |
| | 2ND HIGHEST VALUE IS | 0.00677 | AT (| -17.68, | -53.03, | 0.00, | 1.20) | DC | NA |
| | 3RD HIGHEST VALUE IS | 0.00677 | AT (| -3.54, | -38.89, | 0.00, | 1.20) | DC | NA |
| | 4TH HIGHEST VALUE IS | 0.00676 | AT (| 3.54, | -31.82, | 0.00, | 1.20) | DC | NA |
| | 5TH HIGHEST VALUE IS | 0.00676 | AT (| -24.75, | -60.10, | 0.00, | 1.20) | DC | NA |
| | 6TH HIGHEST VALUE IS | 0.00676 | AT (| 10.61, | -24.75, | 0.00, | 1.20) | DC | NA |
| | 7TH HIGHEST VALUE IS | 0.00676 | AT (| 17.68, | -17.68, | 0.00, | 1.20) | DC | NA |
| | 8TH HIGHEST VALUE IS | 0.00675 | AT (| -31.82, | -67.18, | 0.00, | 1.20) | DC | NA |
| | 9TH HIGHEST VALUE IS | 0.00675 | AT (| -38.89, | -74.25, | 0.00, | 1.20) | DC | NA |
| | 10TH HIGHEST VALUE IS | 0.00675 | AT (| 24.75, | -10.61, | 0.00, | 1.20) | DC | NA |

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR
 BD = BOUNDARY

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***

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*** Maximum train overlap at NE/SW Bound Direction ***

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**MODELOPTs:
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CONC URBAN FLAT FLGPOL DFAULT

*** Message Summary : ISCST3 Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
 A Total of 0 Warning Message(s)
 A Total of 5 Informational Message(s)
 A Total of 5 Calm Hours Identified

***** FATAL ERROR MESSAGES *****
 *** NONE ***

***** WARNING MESSAGES *****
 *** NONE ***

 *** ISCST3 Finishes Successfully ***
