

ISCST3x VERSION 4.4.3  
(C) COPYRIGHT 1991-2006, Trinity Consultants

Run Began on 4/20/2008 at 14:41:31

\*\* BREEZE ISC GIS Pro v5.1.2 - C:\NCRA\Modeling\DPM Risk\Traveling  
Trains\Petaluma\11NCRA\_PL91-300\_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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |



|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |



|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |        |     |
|-------------|--------|--------|-----|
| 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 |

|             |        |         |     |
|-------------|--------|---------|-----|
| 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 |

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

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



|             |         |         |     |
|-------------|---------|---------|-----|
| 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 |

|             |         |         |     |
|-------------|---------|---------|-----|
| 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 |

|             |         |         |     |
|-------------|---------|---------|-----|
| 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 |

RE DISCCART -42.43 -141.42 1.2  
 RE DISCCART -49.5 -134.35 1.2  
 RE DISCCART -56.57 -127.28 1.2  
 RE DISCCART -63.64 -120.21 1.2  
 RE DISCCART -70.71 -113.14 1.2  
 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  
 RE DISCCART -103.94 -79.9 1.2  
 RE DISCCART -106.07 -77.78 1.2  
 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  
 RE DISCCART -92.63 -105.36 1.2  
 RE DISCCART -105.36 -92.63 1.2  
 RE DISCCART -106.77 -91.22 1.2

|             |         |         |     |
|-------------|---------|---------|-----|
| RE DISCCART | -108.19 | -89.8   | 1.2 |
| RE DISCCART | -109.6  | -88.39  | 1.2 |
| RE DISCCART | -111.02 | -86.97  | 1.2 |
| RE DISCCART | -113.14 | -84.85  | 1.2 |
| RE DISCCART | -116.67 | -81.32  | 1.2 |
| 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 |
| RE DISCCART | -116.67 | -95.46  | 1.2 |
| RE DISCCART | -118.09 | -94.05  | 1.2 |
| RE DISCCART | -120.21 | -91.92  | 1.2 |
| RE DISCCART | -123.74 | -88.39  | 1.2 |
| RE DISCCART | -127.28 | -84.85  | 1.2 |
| RE DISCCART | -134.35 | -77.78  | 1.2 |
| RE DISCCART | -141.42 | -70.71  | 1.2 |
| 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 |

|             |         |         |     |
|-------------|---------|---------|-----|
| RE DISCCART | -49.5   | -176.78 | 1.2 |
| RE DISCCART | -56.57  | -169.71 | 1.2 |
| RE DISCCART | -63.64  | -162.63 | 1.2 |
| RE DISCCART | -70.71  | -155.56 | 1.2 |
| 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 |
| RE DISCCART | -122.33 | -103.94 | 1.2 |
| RE DISCCART | -123.74 | -102.53 | 1.2 |
| RE DISCCART | -125.16 | -101.12 | 1.2 |
| RE DISCCART | -127.28 | -98.99  | 1.2 |
| 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 |
| RE DISCCART | -77.78  | -162.63 | 1.2 |
| RE DISCCART | -84.85  | -155.56 | 1.2 |
| RE DISCCART | -91.92  | -148.49 | 1.2 |
| RE DISCCART | -98.99  | -141.42 | 1.2 |
| RE DISCCART | -102.53 | -137.89 | 1.2 |
| 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 |
| RE DISCCART | -112.43 | -127.99 | 1.2 |
| RE DISCCART | -113.84 | -126.57 | 1.2 |

|             |         |         |     |
|-------------|---------|---------|-----|
| 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 |
| RE DISCCART | -132.23 | -108.19 | 1.2 |
| RE DISCCART | -134.35 | -106.07 | 1.2 |
| RE DISCCART | -137.89 | -102.53 | 1.2 |
| RE DISCCART | -141.42 | -98.99  | 1.2 |
| RE DISCCART | -148.49 | -91.92  | 1.2 |
| RE DISCCART | -155.56 | -84.85  | 1.2 |
| RE DISCCART | -162.63 | -77.78  | 1.2 |
| RE DISCCART | -169.71 | -70.71  | 1.2 |
| 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 |
| RE DISCCART | -84.85  | -169.71 | 1.2 |
| RE DISCCART | -91.92  | -162.63 | 1.2 |
| RE DISCCART | -98.99  | -155.56 | 1.2 |
| RE DISCCART | -106.07 | -148.49 | 1.2 |
| RE DISCCART | -109.6  | -144.96 | 1.2 |
| 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 |
| RE DISCCART | -183.85 | -70.71  | 1.2 |
| RE DISCCART | -190.92 | -63.64  | 1.2 |

|             |         |         |     |
|-------------|---------|---------|-----|
| RE DISCCART | -197.99 | -56.57  | 1.2 |
| RE DISCCART | -63.64  | -205.06 | 1.2 |
| RE DISCCART | -70.71  | -197.99 | 1.2 |
| 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 |
| RE DISCCART | -106.07 | -162.63 | 1.2 |
| RE DISCCART | -113.14 | -155.56 | 1.2 |
| RE DISCCART | -116.67 | -152.03 | 1.2 |
| RE DISCCART | -120.21 | -148.49 | 1.2 |
| RE DISCCART | -122.33 | -146.37 | 1.2 |
| RE DISCCART | -123.74 | -144.96 | 1.2 |
| RE DISCCART | -125.16 | -143.54 | 1.2 |
| RE DISCCART | -126.57 | -142.13 | 1.2 |
| RE DISCCART | -127.99 | -140.71 | 1.2 |
| RE DISCCART | -140.71 | -127.99 | 1.2 |
| RE DISCCART | -142.13 | -126.57 | 1.2 |
| RE DISCCART | -143.54 | -125.16 | 1.2 |
| RE DISCCART | -144.96 | -123.74 | 1.2 |
| RE DISCCART | -146.37 | -122.33 | 1.2 |
| 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 |
| RE DISCCART | -130.81 | -152.03 | 1.2 |
| RE DISCCART | -132.23 | -150.61 | 1.2 |



|             |         |         |     |
|-------------|---------|---------|-----|
| RE DISCCART | -133.64 | -149.2  | 1.2 |
| RE DISCCART | -135.06 | -147.79 | 1.2 |
| RE DISCCART | -147.79 | -135.06 | 1.2 |
| 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 |
| RE DISCCART | -98.99  | -197.99 | 1.2 |
| 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 |

|             |         |         |     |
|-------------|---------|---------|-----|
| 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 |

|             |         |         |     |
|-------------|---------|---------|-----|
| 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\PET91300.ASC"  
 ME ANEMHGHT 10 METERS  
 ME SURFDATA 9901 1991  
 ME UAIRDATA 9901 1991  
 ME STARTEND 1991 01 01 1 1991 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\11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound.lst"

\*\* RAWFILE "C:\NCRA\Modeling\DPM Risk\Traveling Trains\Petaluma\11NCRA\_PL91-300\_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 \*\*\*

14:41:32

\*\*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\11NCRA-1.DAT

\*\*Output Print File:

C:\NCRA\MODELING\DPMRIS-1\TRAVEL-1\PETALUMA\11NCRA-1.LST

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\* NCRA Cumulative DPM Impacts \*\*\*
04/20/08
14:41:32
\*\*MODELOPTs:
PAGE 2
CONC URBAN FLAT FLGPOL DFAULT

\*\*\* AREA SOURCE DATA \*\*\*

Table with columns: EMISSION RATE, NUMBER, EMISSION RATE, COORD (SW CORNER), BASE, RELEASE, X-DIM, Y-DIM, ORIENT., INIT. Includes rows for NCRA\_S1 through NCRA\_S5.

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\* NCRA Cumulative DPM Impacts \*\*\*
04/20/08
14:41:32
\*\*MODELOPTs:
PAGE 3
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
14:41:32
\*\*MODELOPTs:
PAGE 4
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);

11NCRA\_PL91-300\_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); |

\*\*MODELOPTs:  
PAGE 5  
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); |



11NCRA\_PL91-300\_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 \*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 6

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); |

11NCRA\_PL91-300\_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      \*\*\*

14:41:32  
 \*\*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); |

11NCRA\_PL91-300\_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      \*\*\*

14:41:32  
 \*\*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); |

11NCRA\_PL91-300\_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 \*\*\*

14:41:32  
 \*\*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); |

11NCRA\_PL91-300\_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

\*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 10

CONC

URBAN FLAT FLGPOL DFAULT

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

11NCRA\_PL91-300\_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); |

11NCRA\_PL91-300\_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

\*\*\*

14:41:32

\*\*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);

11NCRA\_PL91-300\_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 \*\*\*

14:41:32  
 \*\*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); |



11NCRA\_PL91-300\_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 \*\*\*

14:41:32

\*\*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);  |

11NCRA\_PL91-300\_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

\*\*\*

14:41:32

\*\*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);
```

11NCRA\_PL91-300\_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      \*\*\*

14:41:32  
 \*\*MODELOPTS:  
 PAGE 15  
 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); |

11NCRA\_PL91-300\_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); |

11NCRA\_PL91-300\_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 \*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 17  
 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);
```

11NCRA\_PL91-300\_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      \*\*\*

14:41:32  
 \*\*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); |

11NCRA\_PL91-300\_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      \*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 19  
 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); |



11NCRA\_PL91-300\_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 \*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 20

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); |

11NCRA\_PL91-300\_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

\*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 21

CONC

URBAN FLAT FLGPOL DFAULT

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



11NCRA\_PL91-300\_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) |
|----|----|----|----|-------------|-------------|----------|------------|--------------|------------------|-------------|----------------|---------|--------|---------------|
| 91 | 01 | 01 | 01 | 136.0       | 1.21        | 271.3    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 02 | 116.0       | 1.21        | 270.5    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 03 | 104.0       | 1.48        | 270.0    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 04 | 133.0       | 2.10        | 270.1    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 05 | 234.0       | 1.00        | 269.0    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 06 | 135.0       | 1.00        | 268.6    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 07 | 109.0       | 1.00        | 267.9    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 08 | 64.0        | 1.00        | 267.9    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 09 | 148.0       | 1.00        | 269.5    | 5          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 10 | 359.0       | 1.07        | 276.8    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 11 | 345.0       | 2.59        | 280.0    | 3          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 12 | 336.0       | 3.62        | 282.1    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 13 | 331.0       | 5.10        | 282.5    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 14 | 336.0       | 4.74        | 283.5    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 15 | 335.0       | 5.05        | 284.4    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 16 | 329.0       | 5.77        | 283.5    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 17 | 312.0       | 4.20        | 281.5    | 5          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 18 | 307.0       | 2.41        | 278.3    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 19 | 253.0       | 1.92        | 278.0    | 4          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 20 | 288.0       | 1.52        | 276.5    | 5          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 21 | 328.0       | 1.16        | 275.0    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 22 | 172.0       | 1.97        | 273.9    | 5          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 23 | 120.0       | 1.12        | 272.5    | 6          | 300.0        | 300.0            | 0.0000      | 0.0            | 0.0000  | 0      | 0.00          |
| 91 | 01 | 01 | 24 | 106.0       | 1.00        | 271.4    | 6          | 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 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*

04/20/08

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

14:41:32  
\*\*MODELOPTs:  
PAGE 23

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 |

11NCRA\_PL91-300\_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  | 0.00002 | 226.27 | 98.99  | 0.00002 |
| 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 \*\*\*

14:41:32  
 \*\*MODELOPTS:  
 PAGE 24

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       | 0.00002 | 219.20      | 91.92       | 0.00002 |
| 212.13      | 98.99       | 0.00002 | 205.06      | 106.07      | 0.00002 |
| 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 |

11NCRA\_PL91-300\_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  | 0.00002 | 197.99 | 98.99  | 0.00002 |
| 190.92 | 106.07 | 0.00002 | 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 | 0.00002 |
| 169.71 | 113.14 | 0.00002 | 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 \*\*\*

14:41:32  
 \*\*MODELOPTS:  
 PAGE 25

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 |

11NCRA\_PL91-300\_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 | 0.00002 |
| 152.03 | 116.67 | 0.00002 | 148.49 | 120.21 | 0.00002 |
| 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 | 0.00002 | 63.64  | 205.06 | 0.00002 |
| 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 | 0.00002 | 135.06 | 119.50 | 0.00002 |
| 133.64 | 120.92 | 0.00002 | 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 | 0.00002 | 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      \*\*\*

14:41:32  
 \*\*MODELOPTS:  
 PAGE 26

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      \*\*

| 11NCRA_PL91-300_DPM_TRAV_ANN_NE-SW Bound |             |         |             |             |         |  |
|--|-------------|---------|-------------|-------------|---------|--|
| 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      | 0.00002 |  |
| 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       | 0.00002 | 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      | 0.00002 |  |
| 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       | 0.00003 | 169.71      | 42.43       | 0.00003 |  |
| 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

\*\*\*

14:41:32

\*\*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      | 0.00002 | 49.50       | 162.63      | 0.00002 |
| 42.43       | 169.71      | 0.00002 | 35.36       | 176.78      | 0.00002 |
| 169.71      | 28.28       | 0.00003 | 162.63      | 35.36       | 0.00003 |
| 155.56      | 42.43       | 0.00003 | 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      | 0.00002 |
| 35.36       | 162.63      | 0.00002 | 28.28       | 169.71      | 0.00002 |
| 162.63      | 21.21       | 0.00003 | 155.56      | 28.28       | 0.00003 |
| 148.49      | 35.36       | 0.00003 | 141.42      | 42.43       | 0.00003 |
| 134.35      | 49.50       | 0.00003 | 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      | 0.00002 | 21.21       | 162.63      | 0.00002 |
| 155.56      | 14.14       | 0.00003 | 148.49      | 21.21       | 0.00003 |
| 141.42      | 28.28       | 0.00003 | 134.35      | 35.36       | 0.00003 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |       |         |        |       |         |
|--------|-------|---------|--------|-------|---------|
| 127.28 | 42.43 | 0.00003 | 120.21 | 49.50 | 0.00003 |
| 113.14 | 56.57 | 0.00003 | 106.07 | 63.64 | 0.00002 |
| 102.53 | 67.18 | 0.00002 | 98.99  | 70.71 | 0.00002 |

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

14:41:32

\*\*MODELOPTs:

PAGE 28

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        | 0.00004 | 141.42      | 14.14       | 0.00004 |
| 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       | 0.00003 |
| 95.46       | 60.10       | 0.00003 | 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        | 0.00004 | 134.35      | 7.07        | 0.00004 |
| 127.28      | 14.14       | 0.00004 | 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       | 0.00003 | 81.32       | 60.10       | 0.00003 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|       |        |         |       |        |         |
|-------|--------|---------|-------|--------|---------|
| 79.90 | 61.52  | 0.00003 | 78.49 | 62.93  | 0.00003 |
| 77.07 | 64.35  | 0.00003 | 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 | 0.00003 | 28.28 | 113.14 | 0.00003 |
| 21.21 | 120.21 | 0.00003 | 14.14 | 127.28 | 0.00003 |
| 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      \*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 29

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       | 0.00005 | 127.28      | 0.00        | 0.00004 |
| 120.21      | 7.07        | 0.00004 | 113.14      | 14.14       | 0.00004 |
| 106.07      | 21.21       | 0.00004 | 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       | 0.00003 |
| 42.43       | 84.85       | 0.00003 | 35.36       | 91.92       | 0.00003 |
| 28.28       | 98.99       | 0.00003 | 21.21       | 106.07      | 0.00003 |
| 14.14       | 113.14      | 0.00003 | 7.07        | 120.21      | 0.00003 |
| 0.00        | 127.28      | 0.00003 | -7.07       | 134.35      | 0.00003 |
| 127.28      | -14.14      | 0.00005 | 120.21      | -7.07       | 0.00005 |
| 113.14      | 0.00        | 0.00004 | 106.07      | 7.07        | 0.00004 |
| 98.99       | 14.14       | 0.00004 | 91.92       | 21.21       | 0.00004 |
| 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 |

11NCRA\_PL91-300\_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  | 0.00003 |
| 21.21  | 91.92  | 0.00003 | 14.14  | 98.99  | 0.00003 |
| 7.07   | 106.07 | 0.00003 | 0.00   | 113.14 | 0.00003 |
| -7.07  | 120.21 | 0.00003 | -14.14 | 127.28 | 0.00003 |
| 120.21 | -21.21 | 0.00006 | 113.14 | -14.14 | 0.00005 |
| 106.07 | -7.07  | 0.00005 | 98.99  | 0.00   | 0.00004 |
| 91.92  | 7.07   | 0.00004 | 84.85  | 14.14  | 0.00004 |
| 77.78  | 21.21  | 0.00004 | 70.71  | 28.28  | 0.00004 |
| 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      \*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 30

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       | 0.00003 | 7.07        | 91.92       | 0.00003 |
| 0.00        | 98.99       | 0.00003 | -7.07       | 106.07      | 0.00003 |
| -14.14      | 113.14      | 0.00003 | -21.21      | 120.21      | 0.00003 |
| 113.14      | -28.28      | 0.00006 | 106.07      | -21.21      | 0.00006 |
| 98.99       | -14.14      | 0.00005 | 91.92       | -7.07       | 0.00005 |
| 84.85       | 0.00        | 0.00005 | 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       | 0.00004 |
| 54.45       | 30.41       | 0.00004 | 53.03       | 31.82       | 0.00004 |
| 51.62       | 33.23       | 0.00004 | 50.20       | 34.65       | 0.00004 |
| 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       | 0.00003 | -14.14      | 98.99       | 0.00003 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -21.21 | 106.07 | 0.00003 | -28.28 | 113.14 | 0.00003 |
| 106.07 | -35.36 | 0.00007 | 98.99  | -28.28 | 0.00007 |
| 91.92  | -21.21 | 0.00006 | 84.85  | -14.14 | 0.00006 |
| 77.78  | -7.07  | 0.00005 | 70.71  | 0.00   | 0.00005 |
| 63.64  | 7.07   | 0.00005 | 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  | 0.00004 |
| 27.58  | 43.13  | 0.00004 | 26.16  | 44.55  | 0.00004 |
| 24.75  | 45.96  | 0.00004 | 23.33  | 47.38  | 0.00004 |
| 21.21  | 49.50  | 0.00004 | 17.68  | 53.03  | 0.00004 |
| 14.14  | 56.57  | 0.00004 | 7.07   | 63.64  | 0.00004 |
| 0.00   | 70.71  | 0.00004 | -7.07  | 77.78  | 0.00004 |
| -14.14 | 84.85  | 0.00004 | -21.21 | 91.92  | 0.00004 |
| -28.28 | 98.99  | 0.00003 | -35.36 | 106.07 | 0.00003 |
| 98.99  | -42.43 | 0.00008 | 91.92  | -35.36 | 0.00007 |
| 84.85  | -28.28 | 0.00007 | 77.78  | -21.21 | 0.00006 |
| 70.71  | -14.14 | 0.00006 | 63.64  | -7.07  | 0.00005 |
| 56.57  | 0.00   | 0.00005 | 49.50  | 7.07   | 0.00005 |
| 45.96  | 10.61  | 0.00005 | 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      \*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 31  
 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       | 0.00004 |
| -7.07       | 63.64       | 0.00004 | -14.14      | 70.71       | 0.00004 |
| -21.21      | 77.78       | 0.00004 | -28.28      | 84.85       | 0.00004 |
| -35.36      | 91.92       | 0.00004 | -42.43      | 98.99       | 0.00003 |
| 91.92       | -49.50      | 0.00009 | 84.85       | -42.43      | 0.00008 |
| 77.78       | -35.36      | 0.00008 | 70.71       | -28.28      | 0.00007 |
| 63.64       | -21.21      | 0.00006 | 56.57       | -14.14      | 0.00006 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 49.50  | -7.07  | 0.00006 | 42.43  | 0.00   | 0.00005 |
| 38.89  | 3.54   | 0.00005 | 35.36  | 7.07   | 0.00005 |
| 33.23  | 9.19   | 0.00005 | 31.82  | 10.61  | 0.00005 |
| 30.41  | 12.02  | 0.00005 | 28.99  | 13.44  | 0.00005 |
| 27.58  | 14.85  | 0.00005 | 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  | 0.00004 | -21.21 | 63.64  | 0.00004 |
| -28.28 | 70.71  | 0.00004 | -35.36 | 77.78  | 0.00004 |
| -42.43 | 84.85  | 0.00004 | -49.50 | 91.92  | 0.00003 |
| 84.85  | -56.57 | 0.00010 | 77.78  | -49.50 | 0.00010 |
| 70.71  | -42.43 | 0.00009 | 63.64  | -35.36 | 0.00008 |
| 56.57  | -28.28 | 0.00007 | 49.50  | -21.21 | 0.00007 |
| 42.43  | -14.14 | 0.00006 | 35.36  | -7.07  | 0.00006 |
| 31.82  | -3.54  | 0.00006 | 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  | 0.00005 | 2.12   | 26.16  | 0.00005 |
| 0.00   | 28.28  | 0.00005 | -3.54  | 31.82  | 0.00005 |
| -7.07  | 35.36  | 0.00005 | -14.14 | 42.43  | 0.00005 |
| -21.21 | 49.50  | 0.00005 | -28.28 | 56.57  | 0.00005 |
| -35.36 | 63.64  | 0.00005 | -42.43 | 70.71  | 0.00004 |
| -49.50 | 77.78  | 0.00004 | -56.57 | 84.85  | 0.00004 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 32

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      | 0.00012 | 70.71       | -56.57      | 0.00011 |
| 63.64       | -49.50      | 0.00010 | 56.57       | -42.43      | 0.00009 |
| 49.50       | -35.36      | 0.00008 | 42.43       | -28.28      | 0.00008 |
| 35.36       | -21.21      | 0.00007 | 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       | 0.00006 |
| 16.26       | -2.12       | 0.00006 | 14.85       | -0.71       | 0.00006 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 13.44  | 0.71   | 0.00006 | 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  | 0.00005 |
| -28.28 | 42.43  | 0.00005 | -35.36 | 49.50  | 0.00005 |
| -42.43 | 56.57  | 0.00005 | -49.50 | 63.64  | 0.00005 |
| -56.57 | 70.71  | 0.00004 | -63.64 | 77.78  | 0.00004 |
| 70.71  | -70.71 | 0.00014 | 63.64  | -63.64 | 0.00013 |
| 56.57  | -56.57 | 0.00012 | 49.50  | -49.50 | 0.00011 |
| 42.43  | -42.43 | 0.00010 | 35.36  | -35.36 | 0.00009 |
| 28.28  | -28.28 | 0.00008 | 21.21  | -21.21 | 0.00007 |
| 17.68  | -17.68 | 0.00007 | 14.14  | -14.14 | 0.00007 |
| 12.02  | -12.02 | 0.00007 | 10.61  | -10.61 | 0.00007 |
| 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  | 0.00006 | -12.02 | 12.02  | 0.00006 |
| -14.14 | 14.14  | 0.00006 | -17.68 | 17.68  | 0.00006 |
| -21.21 | 21.21  | 0.00006 | -28.28 | 28.28  | 0.00006 |
| -35.36 | 35.36  | 0.00006 | -42.43 | 42.43  | 0.00006 |
| -49.50 | 49.50  | 0.00005 | -56.57 | 56.57  | 0.00005 |
| -63.64 | 63.64  | 0.00005 | -70.71 | 70.71  | 0.00004 |
| 63.64  | -77.78 | 0.00016 | 56.57  | -70.71 | 0.00015 |
| 49.50  | -63.64 | 0.00014 | 42.43  | -56.57 | 0.00013 |
| 35.36  | -49.50 | 0.00011 | 28.28  | -42.43 | 0.00010 |
| 21.21  | -35.36 | 0.00009 | 14.14  | -28.28 | 0.00008 |
| 10.61  | -24.75 | 0.00008 | 7.07   | -21.21 | 0.00008 |
| 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 \*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 33  
 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        | 0.00007 | -24.75      | 10.61       | 0.00007 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -28.28 | 14.14  | 0.00007 | -35.36 | 21.21  | 0.00007 |
| -42.43 | 28.28  | 0.00007 | -49.50 | 35.36  | 0.00006 |
| -56.57 | 42.43  | 0.00006 | -63.64 | 49.50  | 0.00005 |
| -70.71 | 56.57  | 0.00005 | -77.78 | 63.64  | 0.00004 |
| 56.57  | -84.85 | 0.00019 | 49.50  | -77.78 | 0.00018 |
| 42.43  | -70.71 | 0.00016 | 35.36  | -63.64 | 0.00015 |
| 28.28  | -56.57 | 0.00013 | 21.21  | -49.50 | 0.00012 |
| 14.14  | -42.43 | 0.00011 | 7.07   | -35.36 | 0.00010 |
| 3.54   | -31.82 | 0.00009 | 0.00   | -28.28 | 0.00009 |
| -2.12  | -26.16 | 0.00009 | -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   | 0.00007 |
| -35.36 | 7.07   | 0.00008 | -42.43 | 14.14  | 0.00008 |
| -49.50 | 21.21  | 0.00007 | -56.57 | 28.28  | 0.00007 |
| -63.64 | 35.36  | 0.00006 | -70.71 | 42.43  | 0.00006 |
| -77.78 | 49.50  | 0.00005 | -84.85 | 56.57  | 0.00005 |
| 49.50  | -91.92 | 0.00022 | 42.43  | -84.85 | 0.00021 |
| 35.36  | -77.78 | 0.00019 | 28.28  | -70.71 | 0.00018 |
| 21.21  | -63.64 | 0.00016 | 14.14  | -56.57 | 0.00014 |
| 7.07   | -49.50 | 0.00013 | 0.00   | -42.43 | 0.00011 |
| -3.54  | -38.89 | 0.00011 | -7.07  | -35.36 | 0.00010 |
| -9.19  | -33.23 | 0.00010 | -10.61 | -31.82 | 0.00010 |
| -12.02 | -30.41 | 0.00010 | -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  | 0.00008 | -38.89 | -3.54  | 0.00009 |
| -42.43 | 0.00   | 0.00009 | -49.50 | 7.07   | 0.00009 |
| -56.57 | 14.14  | 0.00008 | -63.64 | 21.21  | 0.00007 |
| -70.71 | 28.28  | 0.00007 | -77.78 | 35.36  | 0.00006 |
| -84.85 | 42.43  | 0.00006 | -91.92 | 49.50  | 0.00005 |
| 42.43  | -98.99 | 0.00027 | 35.36  | -91.92 | 0.00025 |
| 28.28  | -84.85 | 0.00024 | 21.21  | -77.78 | 0.00022 |
| 14.14  | -70.71 | 0.00020 | 7.07   | -63.64 | 0.00017 |
| 0.00   | -56.57 | 0.00015 | -7.07  | -49.50 | 0.00013 |
| -10.61 | -45.96 | 0.00013 | -14.14 | -42.43 | 0.00012 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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

\*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 34

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      | 0.00012          | -17.68             | -38.89      | 0.00011 |
| -19.09      | -37.48      | 0.00011          | -20.51             | -36.06      | 0.00011 |
| -21.92      | -34.65      | 0.00011          | -34.65             | -21.92      | 0.00010 |
| -36.06      | -20.51      | 0.00010          | -37.48             | -19.09      | 0.00010 |
| -38.89      | -17.68      | 0.00010          | -40.31             | -16.26      | 0.00010 |
| -42.43      | -14.14      | 0.00010          | -45.96             | -10.61      | 0.00010 |
| -49.50      | -7.07       | 0.00010          | -56.57             | 0.00        | 0.00010 |
| -63.64      | 7.07        | 0.00009          | -70.71             | 14.14       | 0.00008 |
| -77.78      | 21.21       | 0.00007          | -84.85             | 28.28       | 0.00007 |
| -91.92      | 35.36       | 0.00006          | -98.99             | 42.43       | 0.00006 |
| 35.36       | -106.07     | 0.00033          | 28.28              | -98.99      | 0.00031 |
| 21.21       | -91.92      | 0.00029          | 14.14              | -84.85      | 0.00027 |
| 7.07        | -77.78      | 0.00024          | 0.00               | -70.71      | 0.00022 |
| -7.07       | -63.64      | 0.00019          | -14.14             | -56.57      | 0.00016 |
| -17.68      | -53.03      | 0.00015          | -21.21             | -49.50      | 0.00014 |
| -23.33      | -47.38      | 0.00014          | -24.75             | -45.96      | 0.00013 |
| -26.16      | -44.55      | 0.00013          | -27.58             | -43.13      | 0.00013 |
| -28.99      | -41.72      | 0.00012          | -41.72             | -28.99      | 0.00011 |
| -43.13      | -27.58      | 0.00011          | -44.55             | -26.16      | 0.00011 |
| -45.96      | -24.75      | 0.00011          | -47.38             | -23.33      | 0.00011 |
| -49.50      | -21.21      | 0.00011          | -53.03             | -17.68      | 0.00011 |
| -56.57      | -14.14      | 0.00011          | -63.64             | -7.07       | 0.00011 |
| -70.71      | 0.00        | 0.00010          | -77.78             | 7.07        | 0.00009 |
| -84.85      | 14.14       | 0.00008          | -91.92             | 21.21       | 0.00007 |
| -98.99      | 28.28       | 0.00007          | -106.07            | 35.36       | 0.00006 |
| 28.28       | -113.14     | 0.00041          | 21.21              | -106.07     | 0.00039 |
| 14.14       | -98.99      | 0.00037          | 7.07               | -91.92      | 0.00034 |
| 0.00        | -84.85      | 0.00030          | -7.07              | -77.78      | 0.00027 |
| -14.14      | -70.71      | 0.00023          | -21.21             | -63.64      | 0.00020 |
| -24.75      | -60.10      | 0.00018          | -28.28             | -56.57      | 0.00017 |
| -30.41      | -54.45      | 0.00016          | -31.82             | -53.03      | 0.00016 |
| -33.23      | -51.62      | 0.00016          | -34.65             | -50.20      | 0.00015 |
| -36.06      | -48.79      | 0.00015          | -48.79             | -36.06      | 0.00013 |
| -50.20      | -34.65      | 0.00013          | -51.62             | -33.23      | 0.00013 |
| -53.03      | -31.82      | 0.00013          | -54.45             | -30.41      | 0.00013 |
| -56.57      | -28.28      | 0.00013          | -60.10             | -24.75      | 0.00013 |
| -63.64      | -21.21      | 0.00013          | -70.71             | -14.14      | 0.00012 |
| -77.78      | -7.07       | 0.00011          | -84.85             | 0.00        | 0.00010 |
| -91.92      | 7.07        | 0.00009          | -98.99             | 14.14       | 0.00008 |



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -35.36 | -91.92 | 0.00056 | -42.43 | -84.85 | 0.00046 |
| -45.96 | -81.32 | 0.00041 | -49.50 | -77.78 | 0.00036 |
| -51.62 | -75.66 | 0.00034 | -53.03 | -74.25 | 0.00032 |
| -54.45 | -72.83 | 0.00031 | -55.86 | -71.42 | 0.00030 |
| -57.28 | -70.00 | 0.00028 | -70.00 | -57.28 | 0.00023 |
| -71.42 | -55.86 | 0.00024 | -72.83 | -54.45 | 0.00024 |
| -74.25 | -53.03 | 0.00024 | -75.66 | -51.62 | 0.00024 |

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

14:41:32

\*\*MODELOPTs:  
 PAGE 36

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      | 0.00023 | -81.32      | -45.96      | 0.00022 |
| -84.85      | -42.43      | 0.00021 | -91.92      | -35.36      | 0.00018 |
| -98.99      | -28.28      | 0.00016 | -106.07     | -21.21      | 0.00014 |
| -113.14     | -14.14      | 0.00013 | -120.21     | -7.07       | 0.00012 |
| -127.28     | 0.00        | 0.00011 | -134.35     | 7.07        | 0.00011 |
| 0.00        | -141.42     | 0.00099 | -7.07       | -134.35     | 0.00102 |
| -14.14      | -127.28     | 0.00103 | -21.21      | -120.21     | 0.00103 |
| -28.28      | -113.14     | 0.00100 | -35.36      | -106.07     | 0.00094 |
| -42.43      | -98.99      | 0.00082 | -49.50      | -91.92      | 0.00067 |
| -53.03      | -88.39      | 0.00060 | -56.57      | -84.85      | 0.00052 |
| -58.69      | -82.73      | 0.00047 | -60.10      | -81.32      | 0.00045 |
| -61.52      | -79.90      | 0.00042 | -62.93      | -78.49      | 0.00040 |
| -64.35      | -77.07      | 0.00038 | -77.07      | -64.35      | 0.00030 |
| -78.49      | -62.93      | 0.00030 | -79.90      | -61.52      | 0.00030 |
| -81.32      | -60.10      | 0.00030 | -82.73      | -58.69      | 0.00029 |
| -84.85      | -56.57      | 0.00028 | -88.39      | -53.03      | 0.00027 |
| -91.92      | -49.50      | 0.00025 | -98.99      | -42.43      | 0.00021 |
| -106.07     | -35.36      | 0.00019 | -113.14     | -28.28      | 0.00017 |
| -120.21     | -21.21      | 0.00016 | -127.28     | -14.14      | 0.00015 |
| -134.35     | -7.07       | 0.00014 | -141.42     | 0.00        | 0.00013 |
| -7.07       | -148.49     | 0.00122 | -14.14      | -141.42     | 0.00129 |
| -21.21      | -134.35     | 0.00134 | -28.28      | -127.28     | 0.00138 |
| -35.36      | -120.21     | 0.00140 | -42.43      | -113.14     | 0.00137 |
| -49.50      | -106.07     | 0.00127 | -56.57      | -98.99      | 0.00108 |
| -60.10      | -95.46      | 0.00095 | -63.64      | -91.92      | 0.00081 |
| -65.76      | -89.80      | 0.00073 | -67.18      | -88.39      | 0.00068 |
| -68.59      | -86.97      | 0.00063 | -70.00      | -85.56      | 0.00058 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -71.42  | -84.15  | 0.00054 | -84.15  | -71.42  | 0.00039 |
| -85.56  | -70.00  | 0.00039 | -86.97  | -68.59  | 0.00038 |
| -88.39  | -67.18  | 0.00037 | -89.80  | -65.76  | 0.00036 |
| -91.92  | -63.64  | 0.00035 | -95.46  | -60.10  | 0.00032 |
| -98.99  | -56.57  | 0.00030 | -106.07 | -49.50  | 0.00026 |
| -113.14 | -42.43  | 0.00024 | -120.21 | -35.36  | 0.00021 |
| -127.28 | -28.28  | 0.00020 | -134.35 | -21.21  | 0.00018 |
| -141.42 | -14.14  | 0.00017 | -148.49 | -7.07   | 0.00016 |
| -14.14  | -155.56 | 0.00148 | -21.21  | -148.49 | 0.00160 |
| -28.28  | -141.42 | 0.00172 | -35.36  | -134.35 | 0.00183 |
| -42.43  | -127.28 | 0.00194 | -49.50  | -120.21 | 0.00200 |
| -56.57  | -113.14 | 0.00199 | -63.64  | -106.07 | 0.00184 |
| -67.18  | -102.53 | 0.00169 | -70.71  | -98.99  | 0.00148 |

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 37

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    |
|-------------|-------------|---------|-------------|-------------|---------|
| -72.83      | -96.87      | 0.00132 | -74.25      | -95.46      | 0.00121 |
| -75.66      | -94.05      | 0.00110 | -77.07      | -92.63      | 0.00099 |
| -78.49      | -91.22      | 0.00089 | -91.22      | -78.49      | 0.00052 |
| -92.63      | -77.07      | 0.00051 | -94.05      | -75.66      | 0.00049 |
| -95.46      | -74.25      | 0.00048 | -96.87      | -72.83      | 0.00047 |
| -98.99      | -70.71      | 0.00045 | -102.53     | -67.18      | 0.00042 |
| -106.07     | -63.64      | 0.00039 | -113.14     | -56.57      | 0.00035 |
| -120.21     | -49.50      | 0.00031 | -127.28     | -42.43      | 0.00028 |
| -134.35     | -35.36      | 0.00025 | -141.42     | -28.28      | 0.00023 |
| -148.49     | -21.21      | 0.00021 | -155.56     | -14.14      | 0.00019 |
| -21.21      | -162.63     | 0.00172 | -28.28      | -155.56     | 0.00190 |
| -35.36      | -148.49     | 0.00210 | -42.43      | -141.42     | 0.00232 |
| -49.50      | -134.35     | 0.00255 | -56.57      | -127.28     | 0.00279 |
| -63.64      | -120.21     | 0.00300 | -70.71      | -113.14     | 0.00311 |
| -74.25      | -109.60     | 0.00308 | -77.78      | -106.07     | 0.00295 |
| -79.90      | -103.94     | 0.00280 | -81.32      | -102.53     | 0.00267 |
| -82.73      | -101.12     | 0.00250 | -84.15      | -99.70      | 0.00229 |
| -85.56      | -98.29      | 0.00203 | -98.29      | -85.56      | 0.00073 |
| -99.70      | -84.15      | 0.00072 | -101.12     | -82.73      | 0.00070 |
| -102.53     | -81.32      | 0.00069 | -103.94     | -79.90      | 0.00067 |
| -106.07     | -77.78      | 0.00065 | -109.60     | -74.25      | 0.00061 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -113.14 | -70.71  | 0.00056 | -120.21 | -63.64  | 0.00048 |
| -127.28 | -56.57  | 0.00042 | -134.35 | -49.50  | 0.00036 |
| -141.42 | -42.43  | 0.00032 | -148.49 | -35.36  | 0.00028 |
| -155.56 | -28.28  | 0.00025 | -162.63 | -21.21  | 0.00023 |
| -28.28  | -169.71 | 0.00191 | -35.36  | -162.63 | 0.00215 |
| -42.43  | -155.56 | 0.00242 | -49.50  | -148.49 | 0.00272 |
| -56.57  | -141.42 | 0.00307 | -63.64  | -134.35 | 0.00346 |
| -70.71  | -127.28 | 0.00387 | -77.78  | -120.21 | 0.00426 |
| -81.32  | -116.67 | 0.00441 | -84.85  | -113.14 | 0.00450 |
| -86.97  | -111.02 | 0.00450 | -88.39  | -109.60 | 0.00448 |
| -89.80  | -108.19 | 0.00445 | -91.22  | -106.77 | 0.00442 |
| -92.63  | -105.36 | 0.00438 | -105.36 | -92.63  | 0.00123 |
| -106.77 | -91.22  | 0.00117 | -108.19 | -89.80  | 0.00111 |
| -109.60 | -88.39  | 0.00107 | -111.02 | -86.97  | 0.00103 |
| -113.14 | -84.85  | 0.00097 | -116.67 | -81.32  | 0.00087 |
| -120.21 | -77.78  | 0.00079 | -127.28 | -70.71  | 0.00065 |
| -134.35 | -63.64  | 0.00055 | -141.42 | -56.57  | 0.00046 |
| -148.49 | -49.50  | 0.00040 | -155.56 | -42.43  | 0.00035 |
| -162.63 | -35.36  | 0.00030 | -169.71 | -28.28  | 0.00027 |

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 38

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      | -176.78     | 0.00205 | -42.43      | -169.71     | 0.00232 |
| -49.50      | -162.63     | 0.00263 | -56.57      | -155.56     | 0.00300 |
| -63.64      | -148.49     | 0.00342 | -70.71      | -141.42     | 0.00389 |
| -77.78      | -134.35     | 0.00438 | -84.85      | -127.28     | 0.00483 |
| -88.39      | -123.74     | 0.00499 | -91.92      | -120.21     | 0.00506 |
| -94.05      | -118.09     | 0.00504 | -95.46      | -116.67     | 0.00499 |
| -96.87      | -115.26     | 0.00492 | -98.29      | -113.84     | 0.00485 |
| -99.70      | -112.43     | 0.00476 | -112.43     | -99.70      | 0.00145 |
| -113.84     | -98.29      | 0.00140 | -115.26     | -96.87      | 0.00135 |
| -116.67     | -95.46      | 0.00131 | -118.09     | -94.05      | 0.00127 |
| -120.21     | -91.92      | 0.00120 | -123.74     | -88.39      | 0.00109 |
| -127.28     | -84.85      | 0.00098 | -134.35     | -77.78      | 0.00080 |
| -141.42     | -70.71      | 0.00066 | -148.49     | -63.64      | 0.00056 |
| -155.56     | -56.57      | 0.00047 | -162.63     | -49.50      | 0.00041 |
| -169.71     | -42.43      | 0.00035 | -176.78     | -35.36      | 0.00031 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -42.43  | -183.85 | 0.00211 | -49.50  | -176.78 | 0.00241 |
| -56.57  | -169.71 | 0.00275 | -63.64  | -162.63 | 0.00316 |
| -70.71  | -155.56 | 0.00362 | -77.78  | -148.49 | 0.00413 |
| -84.85  | -141.42 | 0.00465 | -91.92  | -134.35 | 0.00509 |
| -95.46  | -130.81 | 0.00523 | -98.99  | -127.28 | 0.00527 |
| -101.12 | -125.16 | 0.00523 | -102.53 | -123.74 | 0.00517 |
| -103.94 | -122.33 | 0.00509 | -105.36 | -120.92 | 0.00499 |
| -106.77 | -119.50 | 0.00489 | -119.50 | -106.77 | 0.00155 |
| -120.92 | -105.36 | 0.00150 | -122.33 | -103.94 | 0.00146 |
| -123.74 | -102.53 | 0.00142 | -125.16 | -101.12 | 0.00138 |
| -127.28 | -98.99  | 0.00132 | -130.81 | -95.46  | 0.00122 |
| -134.35 | -91.92  | 0.00111 | -141.42 | -84.85  | 0.00092 |
| -148.49 | -77.78  | 0.00076 | -155.56 | -70.71  | 0.00064 |
| -162.63 | -63.64  | 0.00054 | -169.71 | -56.57  | 0.00046 |
| -176.78 | -49.50  | 0.00039 | -183.85 | -42.43  | 0.00034 |
| -49.50  | -190.92 | 0.00212 | -56.57  | -183.85 | 0.00242 |
| -63.64  | -176.78 | 0.00278 | -70.71  | -169.71 | 0.00320 |
| -77.78  | -162.63 | 0.00369 | -84.85  | -155.56 | 0.00422 |
| -91.92  | -148.49 | 0.00475 | -98.99  | -141.42 | 0.00519 |
| -102.53 | -137.89 | 0.00532 | -106.07 | -134.35 | 0.00535 |
| -108.19 | -132.23 | 0.00530 | -109.60 | -130.81 | 0.00525 |
| -111.02 | -129.40 | 0.00517 | -112.43 | -127.99 | 0.00507 |
| -113.84 | -126.57 | 0.00498 | -126.57 | -113.84 | 0.00161 |
| -127.99 | -112.43 | 0.00155 | -129.40 | -111.02 | 0.00151 |
| -130.81 | -109.60 | 0.00147 | -132.23 | -108.19 | 0.00144 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 39

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     | 0.00138 | -137.89     | -102.53     | 0.00128 |
| -141.42     | -98.99      | 0.00118 | -148.49     | -91.92      | 0.00100 |
| -155.56     | -84.85      | 0.00084 | -162.63     | -77.78      | 0.00070 |
| -169.71     | -70.71      | 0.00059 | -176.78     | -63.64      | 0.00050 |
| -183.85     | -56.57      | 0.00043 | -190.92     | -49.50      | 0.00037 |
| -56.57      | -197.99     | 0.00206 | -63.64      | -190.92     | 0.00236 |
| -70.71      | -183.85     | 0.00272 | -77.78      | -176.78     | 0.00314 |
| -84.85      | -169.71     | 0.00362 | -91.92      | -162.63     | 0.00417 |
| -98.99      | -155.56     | 0.00472 | -106.07     | -148.49     | 0.00517 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -109.60 | -144.96 | 0.00531 | -113.14 | -141.42 | 0.00535 |
| -115.26 | -139.30 | 0.00531 | -116.67 | -137.89 | 0.00526 |
| -118.09 | -136.47 | 0.00519 | -119.50 | -135.06 | 0.00510 |
| -120.92 | -133.64 | 0.00501 | -133.64 | -120.92 | 0.00164 |
| -135.06 | -119.50 | 0.00158 | -136.47 | -118.09 | 0.00153 |
| -137.89 | -116.67 | 0.00149 | -139.30 | -115.26 | 0.00146 |
| -141.42 | -113.14 | 0.00141 | -144.96 | -109.60 | 0.00132 |
| -148.49 | -106.07 | 0.00122 | -155.56 | -98.99  | 0.00104 |
| -162.63 | -91.92  | 0.00088 | -169.71 | -84.85  | 0.00074 |
| -176.78 | -77.78  | 0.00063 | -183.85 | -70.71  | 0.00053 |
| -190.92 | -63.64  | 0.00045 | -197.99 | -56.57  | 0.00039 |
| -63.64  | -205.06 | 0.00194 | -70.71  | -197.99 | 0.00222 |
| -77.78  | -190.92 | 0.00256 | -84.85  | -183.85 | 0.00296 |
| -91.92  | -176.78 | 0.00343 | -98.99  | -169.71 | 0.00397 |
| -106.07 | -162.63 | 0.00454 | -113.14 | -155.56 | 0.00503 |
| -116.67 | -152.03 | 0.00520 | -120.21 | -148.49 | 0.00527 |
| -122.33 | -146.37 | 0.00526 | -123.74 | -144.96 | 0.00521 |
| -125.16 | -143.54 | 0.00515 | -126.57 | -142.13 | 0.00507 |
| -127.99 | -140.71 | 0.00498 | -140.71 | -127.99 | 0.00164 |
| -142.13 | -126.57 | 0.00158 | -143.54 | -125.16 | 0.00153 |
| -144.96 | -123.74 | 0.00149 | -146.37 | -122.33 | 0.00145 |
| -148.49 | -120.21 | 0.00140 | -152.03 | -116.67 | 0.00132 |
| -155.56 | -113.14 | 0.00124 | -162.63 | -106.07 | 0.00106 |
| -169.71 | -98.99  | 0.00090 | -176.78 | -91.92  | 0.00076 |
| -183.85 | -84.85  | 0.00065 | -190.92 | -77.78  | 0.00055 |
| -197.99 | -70.71  | 0.00047 | -205.06 | -63.64  | 0.00040 |
| -70.71  | -212.13 | 0.00175 | -77.78  | -205.06 | 0.00200 |
| -84.85  | -197.99 | 0.00230 | -91.92  | -190.92 | 0.00266 |
| -98.99  | -183.85 | 0.00309 | -106.07 | -176.78 | 0.00359 |
| -113.14 | -169.71 | 0.00414 | -120.21 | -162.63 | 0.00468 |
| -123.74 | -159.10 | 0.00490 | -127.28 | -155.56 | 0.00503 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 40

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     | 0.00505 | -130.81     | -152.03     | 0.00504 |
| -132.23     | -150.61     | 0.00500 | -133.64     | -149.20     | 0.00494 |
| -135.06     | -147.79     | 0.00487 | -147.79     | -135.06     | 0.00161 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -149.20 | -133.64 | 0.00154 | -150.61 | -132.23 | 0.00149 |
| -152.03 | -130.81 | 0.00145 | -153.44 | -129.40 | 0.00142 |
| -155.56 | -127.28 | 0.00137 | -159.10 | -123.74 | 0.00130 |
| -162.63 | -120.21 | 0.00122 | -169.71 | -113.14 | 0.00104 |
| -176.78 | -106.07 | 0.00089 | -183.85 | -98.99  | 0.00075 |
| -190.92 | -91.92  | 0.00064 | -197.99 | -84.85  | 0.00055 |
| -205.06 | -77.78  | 0.00047 | -212.13 | -70.71  | 0.00040 |
| -77.78  | -219.20 | 0.00151 | -84.85  | -212.13 | 0.00171 |
| -91.92  | -205.06 | 0.00195 | -98.99  | -197.99 | 0.00224 |
| -106.07 | -190.92 | 0.00258 | -113.14 | -183.85 | 0.00299 |
| -120.21 | -176.78 | 0.00344 | -127.28 | -169.71 | 0.00395 |
| -130.81 | -166.17 | 0.00419 | -134.35 | -162.63 | 0.00441 |
| -136.47 | -160.51 | 0.00451 | -137.89 | -159.10 | 0.00455 |
| -139.30 | -157.68 | 0.00457 | -140.71 | -156.27 | 0.00458 |
| -142.13 | -154.86 | 0.00457 | -154.86 | -142.13 | 0.00152 |
| -156.27 | -140.71 | 0.00146 | -157.68 | -139.30 | 0.00142 |
| -159.10 | -137.89 | 0.00138 | -160.51 | -136.47 | 0.00135 |
| -162.63 | -134.35 | 0.00130 | -166.17 | -130.81 | 0.00122 |
| -169.71 | -127.28 | 0.00114 | -176.78 | -120.21 | 0.00099 |
| -183.85 | -113.14 | 0.00084 | -190.92 | -106.07 | 0.00071 |
| -197.99 | -98.99  | 0.00061 | -205.06 | -91.92  | 0.00052 |
| -212.13 | -84.85  | 0.00045 | -219.20 | -77.78  | 0.00039 |
| -84.85  | -226.27 | 0.00126 | -91.92  | -219.20 | 0.00141 |
| -98.99  | -212.13 | 0.00157 | -106.07 | -205.06 | 0.00176 |
| -113.14 | -197.99 | 0.00198 | -120.21 | -190.92 | 0.00221 |
| -127.28 | -183.85 | 0.00245 | -134.35 | -176.78 | 0.00270 |
| -137.89 | -173.24 | 0.00283 | -141.42 | -169.71 | 0.00296 |
| -143.54 | -167.58 | 0.00306 | -144.96 | -166.17 | 0.00313 |
| -146.37 | -164.76 | 0.00321 | -147.79 | -163.34 | 0.00332 |
| -149.20 | -161.93 | 0.00346 | -161.93 | -149.20 | 0.00134 |
| -163.34 | -147.79 | 0.00128 | -164.76 | -146.37 | 0.00123 |
| -166.17 | -144.96 | 0.00120 | -167.58 | -143.54 | 0.00116 |
| -169.71 | -141.42 | 0.00112 | -173.24 | -137.89 | 0.00105 |
| -176.78 | -134.35 | 0.00099 | -183.85 | -127.28 | 0.00086 |
| -190.92 | -120.21 | 0.00075 | -197.99 | -113.14 | 0.00064 |
| -205.06 | -106.07 | 0.00056 | -212.13 | -98.99  | 0.00048 |
| -219.20 | -91.92  | 0.00042 | -226.27 | -84.85  | 0.00037 |

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 41

CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S1  
 INCLUDING SOURCE(S): NCRA\_S1 ,



11NCRA\_PL91-300\_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     | 0.00104          |  | -98.99             | -226.27     | 0.00113 |  |
| -106.07     | -219.20     | 0.00123          |  | -113.14            | -212.13     | 0.00134 |  |
| -120.21     | -205.06     | 0.00144          |  | -127.28            | -197.99     | 0.00152 |  |
| -134.35     | -190.92     | 0.00157          |  | -141.42            | -183.85     | 0.00155 |  |
| -144.96     | -180.31     | 0.00151          |  | -148.49            | -176.78     | 0.00143 |  |
| -150.61     | -174.66     | 0.00137          |  | -152.03            | -173.24     | 0.00132 |  |
| -153.44     | -171.83     | 0.00127          |  | -154.86            | -170.41     | 0.00122 |  |
| -156.27     | -169.00     | 0.00116          |  | -169.00            | -156.27     | 0.00086 |  |
| -170.41     | -154.86     | 0.00085          |  | -171.83            | -153.44     | 0.00084 |  |
| -173.24     | -152.03     | 0.00083          |  | -174.66            | -150.61     | 0.00083 |  |
| -176.78     | -148.49     | 0.00081          |  | -180.31            | -144.96     | 0.00079 |  |
| -183.85     | -141.42     | 0.00077          |  | -190.92            | -134.35     | 0.00070 |  |
| -197.99     | -127.28     | 0.00063          |  | -205.06            | -120.21     | 0.00056 |  |
| -212.13     | -113.14     | 0.00049          |  | -219.20            | -106.07     | 0.00043 |  |
| -226.27     | -98.99      | 0.00038          |  | -233.35            | -91.92      | 0.00034 |  |
| -98.99      | -240.42     | 0.00085          |  | -106.07            | -233.35     | 0.00090 |  |
| -113.14     | -226.27     | 0.00096          |  | -120.21            | -219.20     | 0.00101 |  |
| -127.28     | -212.13     | 0.00105          |  | -134.35            | -205.06     | 0.00106 |  |
| -141.42     | -197.99     | 0.00104          |  | -148.49            | -190.92     | 0.00097 |  |
| -152.03     | -187.38     | 0.00092          |  | -155.56            | -183.85     | 0.00086 |  |
| -157.68     | -181.73     | 0.00083          |  | -159.10            | -180.31     | 0.00081 |  |
| -160.51     | -178.90     | 0.00079          |  | -161.93            | -177.48     | 0.00078 |  |
| -163.34     | -176.07     | 0.00077          |  | -176.07            | -163.34     | 0.00065 |  |
| -177.48     | -161.93     | 0.00062          |  | -178.90            | -160.51     | 0.00061 |  |
| -180.31     | -159.10     | 0.00060          |  | -181.73            | -157.68     | 0.00059 |  |
| -183.85     | -155.56     | 0.00058          |  | -187.38            | -152.03     | 0.00058 |  |
| -190.92     | -148.49     | 0.00057          |  | -197.99            | -141.42     | 0.00055 |  |
| -205.06     | -134.35     | 0.00052          |  | -212.13            | -127.28     | 0.00047 |  |
| -219.20     | -120.21     | 0.00042          |  | -226.27            | -113.14     | 0.00038 |  |
| -233.35     | -106.07     | 0.00034          |  | -240.42            | -98.99      | 0.00031 |  |
| -106.07     | -247.49     | 0.00069          |  | -113.14            | -240.42     | 0.00072 |  |
| -120.21     | -233.35     | 0.00075          |  | -127.28            | -226.27     | 0.00077 |  |
| -134.35     | -219.20     | 0.00077          |  | -141.42            | -212.13     | 0.00076 |  |
| -148.49     | -205.06     | 0.00073          |  | -155.56            | -197.99     | 0.00068 |  |
| -159.10     | -194.45     | 0.00065          |  | -162.63            | -190.92     | 0.00063 |  |
| -164.76     | -188.80     | 0.00062          |  | -166.17            | -187.38     | 0.00062 |  |
| -167.58     | -185.97     | 0.00062          |  | -169.00            | -184.55     | 0.00062 |  |
| -170.41     | -183.14     | 0.00062          |  | -183.14            | -170.41     | 0.00055 |  |
| -184.55     | -169.00     | 0.00052          |  | -185.97            | -167.58     | 0.00050 |  |
| -187.38     | -166.17     | 0.00048          |  | -188.80            | -164.76     | 0.00047 |  |

04/20/08

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

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

\*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 42

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     | 0.00046 | -194.45     | -159.10     | 0.00044 |
| -197.99     | -155.56     | 0.00044 | -205.06     | -148.49     | 0.00043 |
| -212.13     | -141.42     | 0.00042 | -219.20     | -134.35     | 0.00039 |
| -226.27     | -127.28     | 0.00036 | -233.35     | -120.21     | 0.00033 |
| -240.42     | -113.14     | 0.00030 | -247.49     | -106.07     | 0.00028 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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

\*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 43

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      | 0.00002 |
| 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       | 0.00003 | 233.35      | 106.07      | 0.00003 |
| 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 |

11NCRA\_PL91-300\_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 | 0.00002 | 113.14 | 226.27 | 0.00002 |
| 106.07 | 233.35 | 0.00002 | 98.99  | 240.42 | 0.00002 |
| 233.35 | 91.92  | 0.00003 | 226.27 | 98.99  | 0.00003 |
| 219.20 | 106.07 | 0.00003 | 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      \*\*\*

14:41:32  
 \*\*MODELOPTS:  
 PAGE 44  
 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      | 0.00002 |
| 99.00       | 226.27      | 0.00002 | 91.92       | 233.35      | 0.00002 |
| 226.27      | 84.85       | 0.00003 | 219.20      | 91.92       | 0.00003 |
| 212.13      | 98.99       | 0.00003 | 205.06      | 106.07      | 0.00003 |
| 197.99      | 113.14      | 0.00003 | 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 |

11NCRA\_PL91-300\_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 | 0.00002 | 84.85  | 226.27 | 0.00002 |
| 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 | 0.00003 | 183.85 | 113.14 | 0.00003 |
| 176.78 | 120.21 | 0.00003 | 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  | 0.00004 | 205.06 | 77.78  | 0.00004 |
| 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 | 0.00003 |
| 159.10 | 123.74 | 0.00003 | 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 \*\*\*

14:41:32

\*\*MODELOPTS:  
PAGE 45

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 |

11NCRA\_PL91-300\_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  | 0.00004 | 197.99 | 70.71  | 0.00004 |
| 190.92 | 77.78  | 0.00004 | 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 | 0.00003 | 144.96 | 123.74 | 0.00003 |
| 143.54 | 125.16 | 0.00003 | 142.13 | 126.57 | 0.00003 |
| 140.71 | 127.99 | 0.00003 | 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 | 0.00003 | 91.92  | 176.78 | 0.00003 |
| 84.85  | 183.85 | 0.00003 | 77.78  | 190.92 | 0.00003 |
| 70.71  | 197.99 | 0.00002 | 63.64  | 205.06 | 0.00002 |
| 197.99 | 56.57  | 0.00005 | 190.92 | 63.64  | 0.00004 |
| 183.85 | 70.71  | 0.00004 | 176.78 | 77.78  | 0.00004 |
| 169.71 | 84.85  | 0.00004 | 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 | 0.00003 |
| 106.07 | 148.49 | 0.00003 | 98.99  | 155.56 | 0.00003 |
| 91.92  | 162.63 | 0.00003 | 84.85  | 169.71 | 0.00003 |
| 77.78  | 176.78 | 0.00003 | 70.71  | 183.85 | 0.00003 |
| 63.64  | 190.92 | 0.00003 | 56.57  | 197.99 | 0.00003 |

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

14:41:32  
 \*\*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       | 0.00005 | 183.85      | 56.57       | 0.00005 |
| 176.78      | 63.64       | 0.00004 | 169.71      | 70.71       | 0.00004 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 162.63 | 77.78  | 0.00004 | 155.56 | 84.85  | 0.00004 |
| 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 | 0.00003 |
| 84.85  | 155.56 | 0.00003 | 77.78  | 162.63 | 0.00003 |
| 70.71  | 169.71 | 0.00003 | 63.64  | 176.78 | 0.00003 |
| 56.57  | 183.85 | 0.00003 | 49.50  | 190.92 | 0.00003 |
| 183.85 | 42.43  | 0.00006 | 176.78 | 49.50  | 0.00005 |
| 169.71 | 56.57  | 0.00005 | 162.63 | 63.64  | 0.00004 |
| 155.56 | 70.71  | 0.00004 | 148.49 | 77.78  | 0.00004 |
| 141.42 | 84.85  | 0.00004 | 134.35 | 91.92  | 0.00004 |
| 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 | 0.00003 | 70.71  | 155.56 | 0.00003 |
| 63.64  | 162.63 | 0.00003 | 56.57  | 169.71 | 0.00003 |
| 49.50  | 176.78 | 0.00003 | 42.43  | 183.85 | 0.00003 |
| 176.78 | 35.36  | 0.00006 | 169.71 | 42.43  | 0.00006 |
| 162.63 | 49.50  | 0.00005 | 155.56 | 56.57  | 0.00005 |
| 148.49 | 63.64  | 0.00005 | 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  | 0.00004 |
| 118.09 | 94.05  | 0.00004 | 116.67 | 95.46  | 0.00004 |
| 115.26 | 96.87  | 0.00004 | 113.84 | 98.29  | 0.00004 |
| 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 \*\*\*

14:41:32  
 \*\*MODELOPTS:  
 PAGE 47

CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S2

\*\*\*

11NCRA PL91-300 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      | 0.00003 | 49.50              | 162.63      | 0.00003 |    |
| 42.43            | 169.71      | 0.00003 | 35.36              | 176.78      | 0.00003 |    |
| 169.71           | 28.28       | 0.00007 | 162.63             | 35.36       | 0.00007 |    |
| 155.56           | 42.43       | 0.00006 | 148.49             | 49.50       | 0.00006 |    |
| 141.42           | 56.57       | 0.00005 | 134.35             | 63.64       | 0.00005 |    |
| 127.28           | 70.71       | 0.00005 | 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      | 0.00004 |    |
| 91.22            | 106.77      | 0.00004 | 89.80              | 108.19      | 0.00004 |    |
| 88.39            | 109.60      | 0.00004 | 86.97              | 111.02      | 0.00004 |    |
| 84.85            | 113.14      | 0.00004 | 81.32              | 116.67      | 0.00004 |    |
| 77.78            | 120.21      | 0.00004 | 70.71              | 127.28      | 0.00004 |    |
| 63.64            | 134.35      | 0.00004 | 56.57              | 141.42      | 0.00004 |    |
| 49.50            | 148.49      | 0.00004 | 42.43              | 155.56      | 0.00004 |    |
| 35.36            | 162.63      | 0.00003 | 28.28              | 169.71      | 0.00003 |    |
| 162.63           | 21.21       | 0.00008 | 155.56             | 28.28       | 0.00007 |    |
| 148.49           | 35.36       | 0.00007 | 141.42             | 42.43       | 0.00006 |    |
| 134.35           | 49.50       | 0.00006 | 127.28             | 56.57       | 0.00005 |    |
| 120.21           | 63.64       | 0.00005 | 113.14             | 70.71       | 0.00005 |    |
| 109.60           | 74.25       | 0.00005 | 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      | 0.00004 |    |
| 56.57            | 127.28      | 0.00004 | 49.50              | 134.35      | 0.00004 |    |
| 42.43            | 141.42      | 0.00004 | 35.36              | 148.49      | 0.00004 |    |
| 28.28            | 155.56      | 0.00004 | 21.21              | 162.63      | 0.00003 |    |
| 155.56           | 14.14       | 0.00009 | 148.49             | 21.21       | 0.00008 |    |
| 141.42           | 28.28       | 0.00008 | 134.35             | 35.36       | 0.00007 |    |
| 127.28           | 42.43       | 0.00006 | 120.21             | 49.50       | 0.00006 |    |
| 113.14           | 56.57       | 0.00006 | 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

\*\*\*

14:41:32

\*\*MODELOPTS:

PAGE 48

\*\*\* 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       | 0.00005 | 95.46       | 74.25       | 0.00005 |
| 94.05       | 75.66       | 0.00005 | 92.63       | 77.07       | 0.00005 |
| 91.22       | 78.49       | 0.00005 | 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      | 0.00004 | 42.43       | 127.28      | 0.00004 |
| 35.36       | 134.35      | 0.00004 | 28.28       | 141.42      | 0.00004 |
| 21.21       | 148.49      | 0.00004 | 14.14       | 155.56      | 0.00003 |
| 148.49      | 7.07        | 0.00010 | 141.42      | 14.14       | 0.00010 |
| 134.35      | 21.21       | 0.00009 | 127.28      | 28.28       | 0.00008 |
| 120.21      | 35.36       | 0.00007 | 113.14      | 42.43       | 0.00007 |
| 106.07      | 49.50       | 0.00006 | 98.99       | 56.57       | 0.00006 |
| 95.46       | 60.10       | 0.00006 | 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       | 0.00005 | 65.76       | 89.80       | 0.00005 |
| 63.64       | 91.92       | 0.00005 | 60.10       | 95.46       | 0.00005 |
| 56.57       | 98.99       | 0.00005 | 49.50       | 106.07      | 0.00005 |
| 42.43       | 113.14      | 0.00005 | 35.36       | 120.21      | 0.00005 |
| 28.28       | 127.28      | 0.00005 | 21.21       | 134.35      | 0.00004 |
| 14.14       | 141.42      | 0.00004 | 7.07        | 148.49      | 0.00004 |
| 141.42      | 0.00        | 0.00012 | 134.35      | 7.07        | 0.00011 |
| 127.28      | 14.14       | 0.00010 | 120.21      | 21.21       | 0.00009 |
| 113.14      | 28.28       | 0.00008 | 106.07      | 35.36       | 0.00008 |
| 98.99       | 42.43       | 0.00007 | 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       | 0.00006 |
| 79.90       | 61.52       | 0.00006 | 78.49       | 62.93       | 0.00006 |
| 77.07       | 64.35       | 0.00006 | 64.35       | 77.07       | 0.00005 |
| 62.93       | 78.49       | 0.00005 | 61.52       | 79.90       | 0.00005 |



11NCRA\_PL91-300\_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  | 0.00005 |
| 35.36 | 106.07 | 0.00005 | 28.28 | 113.14 | 0.00005 |
| 21.21 | 120.21 | 0.00005 | 14.14 | 127.28 | 0.00005 |
| 7.07  | 134.35 | 0.00004 | 0.00  | 141.42 | 0.00004 |

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

14:41:32

\*\*MODELOPTs:

PAGE 49

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      | -7.07       | 0.00014 | 127.28      | 0.00        | 0.00013 |
| 120.21      | 7.07        | 0.00012 | 113.14      | 14.14       | 0.00011 |
| 106.07      | 21.21       | 0.00010 | 98.99       | 28.28       | 0.00009 |
| 91.92       | 35.36       | 0.00008 | 84.85       | 42.43       | 0.00007 |
| 81.32       | 45.96       | 0.00007 | 77.78       | 49.50       | 0.00007 |
| 75.66       | 51.62       | 0.00007 | 74.25       | 53.03       | 0.00007 |
| 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       | 0.00006 | 51.62       | 75.66       | 0.00006 |
| 49.50       | 77.78       | 0.00006 | 45.96       | 81.32       | 0.00006 |
| 42.43       | 84.85       | 0.00006 | 35.36       | 91.92       | 0.00006 |
| 28.28       | 98.99       | 0.00006 | 21.21       | 106.07      | 0.00006 |
| 14.14       | 113.14      | 0.00005 | 7.07        | 120.21      | 0.00005 |
| 0.00        | 127.28      | 0.00005 | -7.07       | 134.35      | 0.00004 |
| 127.28      | -14.14      | 0.00016 | 120.21      | -7.07       | 0.00015 |
| 113.14      | 0.00        | 0.00014 | 106.07      | 7.07        | 0.00013 |
| 98.99       | 14.14       | 0.00011 | 91.92       | 21.21       | 0.00010 |
| 84.85       | 28.28       | 0.00009 | 77.78       | 35.36       | 0.00008 |
| 74.25       | 38.89       | 0.00008 | 70.71       | 42.43       | 0.00008 |
| 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       | 0.00007 | 38.89       | 74.25       | 0.00007 |
| 35.36       | 77.78       | 0.00007 | 28.28       | 84.85       | 0.00007 |
| 21.21       | 91.92       | 0.00007 | 14.14       | 98.99       | 0.00006 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 7.07   | 106.07 | 0.00006 | 0.00   | 113.14 | 0.00005 |
| -7.07  | 120.21 | 0.00005 | -14.14 | 127.28 | 0.00004 |
| 120.21 | -21.21 | 0.00019 | 113.14 | -14.14 | 0.00018 |
| 106.07 | -7.07  | 0.00016 | 98.99  | 0.00   | 0.00015 |
| 91.92  | 7.07   | 0.00013 | 84.85  | 14.14  | 0.00012 |
| 77.78  | 21.21  | 0.00011 | 70.71  | 28.28  | 0.00010 |
| 67.18  | 31.82  | 0.00009 | 63.64  | 35.36  | 0.00009 |
| 61.52  | 37.48  | 0.00009 | 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      \*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 50

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       | 0.00007 |
| 28.28       | 70.71       | 0.00008 | 21.21       | 77.78       | 0.00008 |
| 14.14       | 84.85       | 0.00007 | 7.07        | 91.92       | 0.00007 |
| 0.00        | 98.99       | 0.00006 | -7.07       | 106.07      | 0.00006 |
| -14.14      | 113.14      | 0.00005 | -21.21      | 120.21      | 0.00005 |
| 113.14      | -28.28      | 0.00022 | 106.07      | -21.21      | 0.00021 |
| 98.99       | -14.14      | 0.00019 | 91.92       | -7.07       | 0.00018 |
| 84.85       | 0.00        | 0.00016 | 77.78       | 7.07        | 0.00014 |
| 70.71       | 14.14       | 0.00013 | 63.64       | 21.21       | 0.00011 |
| 60.10       | 24.75       | 0.00011 | 56.57       | 28.28       | 0.00010 |
| 54.45       | 30.41       | 0.00010 | 53.03       | 31.82       | 0.00010 |
| 51.62       | 33.23       | 0.00010 | 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       | 0.00008 | 24.75       | 60.10       | 0.00009 |
| 21.21       | 63.64       | 0.00009 | 14.14       | 70.71       | 0.00009 |
| 7.07        | 77.78       | 0.00008 | 0.00        | 84.85       | 0.00007 |
| -7.07       | 91.92       | 0.00007 | -14.14      | 98.99       | 0.00006 |
| -21.21      | 106.07      | 0.00006 | -28.28      | 113.14      | 0.00005 |
| 106.07      | -35.36      | 0.00027 | 98.99       | -28.28      | 0.00025 |
| 91.92       | -21.21      | 0.00024 | 84.85       | -14.14      | 0.00022 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 77.78  | -7.07  | 0.00020 | 70.71  | 0.00   | 0.00017 |
| 63.64  | 7.07   | 0.00015 | 56.57  | 14.14  | 0.00013 |
| 53.03  | 17.68  | 0.00013 | 49.50  | 21.21  | 0.00012 |
| 47.38  | 23.33  | 0.00012 | 45.96  | 24.75  | 0.00011 |
| 44.55  | 26.16  | 0.00011 | 43.13  | 27.58  | 0.00011 |
| 41.72  | 28.99  | 0.00011 | 28.99  | 41.72  | 0.00010 |
| 27.58  | 43.13  | 0.00010 | 26.16  | 44.55  | 0.00010 |
| 24.75  | 45.96  | 0.00010 | 23.33  | 47.38  | 0.00010 |
| 21.21  | 49.50  | 0.00010 | 17.68  | 53.03  | 0.00010 |
| 14.14  | 56.57  | 0.00010 | 7.07   | 63.64  | 0.00010 |
| 0.00   | 70.71  | 0.00009 | -7.07  | 77.78  | 0.00008 |
| -14.14 | 84.85  | 0.00007 | -21.21 | 91.92  | 0.00007 |
| -28.28 | 98.99  | 0.00006 | -35.36 | 106.07 | 0.00006 |
| 98.99  | -42.43 | 0.00033 | 91.92  | -35.36 | 0.00031 |
| 84.85  | -28.28 | 0.00029 | 77.78  | -21.21 | 0.00027 |
| 70.71  | -14.14 | 0.00024 | 63.64  | -7.07  | 0.00022 |
| 56.57  | 0.00   | 0.00019 | 49.50  | 7.07   | 0.00016 |
| 45.96  | 10.61  | 0.00015 | 42.43  | 14.14  | 0.00014 |

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

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 51

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       | 0.00014 | 38.89       | 17.68       | 0.00013 |
| 37.48       | 19.09       | 0.00013 | 36.06       | 20.51       | 0.00013 |
| 34.65       | 21.92       | 0.00012 | 21.92       | 34.65       | 0.00011 |
| 20.51       | 36.06       | 0.00011 | 19.09       | 37.48       | 0.00011 |
| 17.68       | 38.89       | 0.00011 | 16.26       | 40.31       | 0.00011 |
| 14.14       | 42.43       | 0.00011 | 10.61       | 45.96       | 0.00011 |
| 7.07        | 49.50       | 0.00011 | 0.00        | 56.57       | 0.00011 |
| -7.07       | 63.64       | 0.00010 | -14.14      | 70.71       | 0.00009 |
| -21.21      | 77.78       | 0.00008 | -28.28      | 84.85       | 0.00007 |
| -35.36      | 91.92       | 0.00007 | -42.43      | 98.99       | 0.00006 |
| 91.92       | -49.50      | 0.00041 | 84.85       | -42.43      | 0.00039 |
| 77.78       | -35.36      | 0.00037 | 70.71       | -28.28      | 0.00034 |
| 63.64       | -21.21      | 0.00030 | 56.57       | -14.14      | 0.00027 |
| 49.50       | -7.07       | 0.00023 | 42.43       | 0.00        | 0.00020 |
| 38.89       | 3.54        | 0.00018 | 35.36       | 7.07        | 0.00017 |
| 33.23       | 9.19        | 0.00016 | 31.82       | 10.61       | 0.00016 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 30.41  | 12.02  | 0.00016 | 28.99  | 13.44  | 0.00015 |
| 27.58  | 14.85  | 0.00015 | 14.85  | 27.58  | 0.00013 |
| 13.44  | 28.99  | 0.00013 | 12.02  | 30.41  | 0.00013 |
| 10.61  | 31.82  | 0.00013 | 9.19   | 33.23  | 0.00013 |
| 7.07   | 35.36  | 0.00013 | 3.54   | 38.89  | 0.00013 |
| 0.00   | 42.43  | 0.00013 | -7.07  | 49.50  | 0.00012 |
| -14.14 | 56.57  | 0.00011 | -21.21 | 63.64  | 0.00010 |
| -28.28 | 70.71  | 0.00009 | -35.36 | 77.78  | 0.00008 |
| -42.43 | 84.85  | 0.00007 | -49.50 | 91.92  | 0.00007 |
| 84.85  | -56.57 | 0.00051 | 77.78  | -49.50 | 0.00050 |
| 70.71  | -42.43 | 0.00047 | 63.64  | -35.36 | 0.00043 |
| 56.57  | -28.28 | 0.00039 | 49.50  | -21.21 | 0.00035 |
| 42.43  | -14.14 | 0.00030 | 35.36  | -7.07  | 0.00025 |
| 31.82  | -3.54  | 0.00023 | 28.28  | 0.00   | 0.00021 |
| 26.16  | 2.12   | 0.00020 | 24.75  | 3.54   | 0.00020 |
| 23.33  | 4.95   | 0.00019 | 21.92  | 6.36   | 0.00018 |
| 20.51  | 7.78   | 0.00018 | 7.78   | 20.51  | 0.00016 |
| 6.36   | 21.92  | 0.00016 | 4.95   | 23.33  | 0.00016 |
| 3.54   | 24.75  | 0.00016 | 2.12   | 26.16  | 0.00016 |
| 0.00   | 28.28  | 0.00016 | -3.54  | 31.82  | 0.00016 |
| -7.07  | 35.36  | 0.00015 | -14.14 | 42.43  | 0.00014 |
| -21.21 | 49.50  | 0.00012 | -28.28 | 56.57  | 0.00011 |
| -35.36 | 63.64  | 0.00010 | -42.43 | 70.71  | 0.00009 |
| -49.50 | 77.78  | 0.00008 | -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      \*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 52  
 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      | 0.00064 | 70.71              | -56.57      | 0.00063 |
| 63.64            | -49.50      | 0.00061 | 56.57              | -42.43      | 0.00057 |
| 49.50            | -35.36      | 0.00053 | 42.43              | -28.28      | 0.00047 |
| 35.36            | -21.21      | 0.00040 | 28.28              | -14.14      | 0.00033 |
| 24.75            | -10.61      | 0.00030 | 21.21              | -7.07       | 0.00027 |
| 19.09            | -4.95       | 0.00026 | 17.68              | -3.54       | 0.00025 |
| 16.26            | -2.12       | 0.00024 | 14.85              | -0.71       | 0.00023 |
| 13.44            | 0.71        | 0.00022 | 0.71               | 13.44       | 0.00019 |
| -0.71            | 14.85       | 0.00019 | -2.12              | 16.26       | 0.00019 |
| -3.54            | 17.68       | 0.00019 | -4.95              | 19.09       | 0.00019 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -7.07  | 21.21  | 0.00019 | -10.61 | 24.75  | 0.00019 |
| -14.14 | 28.28  | 0.00018 | -21.21 | 35.36  | 0.00016 |
| -28.28 | 42.43  | 0.00014 | -35.36 | 49.50  | 0.00012 |
| -42.43 | 56.57  | 0.00011 | -49.50 | 63.64  | 0.00010 |
| -56.57 | 70.71  | 0.00010 | -63.64 | 77.78  | 0.00009 |
| 70.71  | -70.71 | 0.00080 | 63.64  | -63.64 | 0.00080 |
| 56.57  | -56.57 | 0.00079 | 49.50  | -49.50 | 0.00077 |
| 42.43  | -42.43 | 0.00072 | 35.36  | -35.36 | 0.00065 |
| 28.28  | -28.28 | 0.00056 | 21.21  | -21.21 | 0.00046 |
| 17.68  | -17.68 | 0.00041 | 14.14  | -14.14 | 0.00036 |
| 12.02  | -12.02 | 0.00034 | 10.61  | -10.61 | 0.00032 |
| 9.19   | -9.19  | 0.00031 | 7.78   | -7.78  | 0.00030 |
| 6.36   | -6.36  | 0.00028 | -6.36  | 6.36   | 0.00023 |
| -7.78  | 7.78   | 0.00024 | -9.19  | 9.19   | 0.00024 |
| -10.61 | 10.61  | 0.00024 | -12.02 | 12.02  | 0.00024 |
| -14.14 | 14.14  | 0.00023 | -17.68 | 17.68  | 0.00022 |
| -21.21 | 21.21  | 0.00021 | -28.28 | 28.28  | 0.00018 |
| -35.36 | 35.36  | 0.00016 | -42.43 | 42.43  | 0.00014 |
| -49.50 | 49.50  | 0.00013 | -56.57 | 56.57  | 0.00012 |
| -63.64 | 63.64  | 0.00011 | -70.71 | 70.71  | 0.00011 |
| 63.64  | -77.78 | 0.00099 | 56.57  | -70.71 | 0.00102 |
| 49.50  | -63.64 | 0.00103 | 42.43  | -56.57 | 0.00103 |
| 35.36  | -49.50 | 0.00100 | 28.28  | -42.43 | 0.00094 |
| 21.21  | -35.36 | 0.00082 | 14.14  | -28.28 | 0.00067 |
| 10.61  | -24.75 | 0.00060 | 7.07   | -21.21 | 0.00052 |
| 4.95   | -19.09 | 0.00047 | 3.54   | -17.68 | 0.00045 |
| 2.12   | -16.26 | 0.00042 | 0.71   | -14.85 | 0.00040 |
| -0.71  | -13.44 | 0.00038 | -13.44 | -0.71  | 0.00030 |
| -14.85 | 0.71   | 0.00030 | -16.26 | 2.12   | 0.00030 |
| -17.68 | 3.54   | 0.00030 | -19.09 | 4.95   | 0.00029 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 53  
 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        | 0.00028 | -24.75      | 10.61       | 0.00027 |
| -28.28      | 14.14       | 0.00025 | -35.36      | 21.21       | 0.00021 |
| -42.43      | 28.28       | 0.00019 | -49.50      | 35.36       | 0.00017 |
| -56.57      | 42.43       | 0.00016 | -63.64      | 49.50       | 0.00015 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -70.71 | 56.57  | 0.00014 | -77.78 | 63.64  | 0.00013 |
| 56.57  | -84.85 | 0.00122 | 49.50  | -77.78 | 0.00129 |
| 42.43  | -70.71 | 0.00134 | 35.36  | -63.64 | 0.00138 |
| 28.28  | -56.57 | 0.00140 | 21.21  | -49.50 | 0.00137 |
| 14.14  | -42.43 | 0.00127 | 7.07   | -35.36 | 0.00108 |
| 3.54   | -31.82 | 0.00095 | 0.00   | -28.28 | 0.00081 |
| -2.12  | -26.16 | 0.00073 | -3.54  | -24.75 | 0.00068 |
| -4.95  | -23.33 | 0.00063 | -6.36  | -21.92 | 0.00058 |
| -7.78  | -20.51 | 0.00054 | -20.51 | -7.78  | 0.00039 |
| -21.92 | -6.36  | 0.00039 | -23.33 | -4.95  | 0.00038 |
| -24.75 | -3.54  | 0.00037 | -26.16 | -2.12  | 0.00036 |
| -28.28 | 0.00   | 0.00035 | -31.82 | 3.54   | 0.00032 |
| -35.36 | 7.07   | 0.00030 | -42.43 | 14.14  | 0.00026 |
| -49.50 | 21.21  | 0.00024 | -56.57 | 28.28  | 0.00021 |
| -63.64 | 35.36  | 0.00020 | -70.71 | 42.43  | 0.00018 |
| -77.78 | 49.50  | 0.00017 | -84.85 | 56.57  | 0.00016 |
| 49.50  | -91.92 | 0.00148 | 42.43  | -84.85 | 0.00160 |
| 35.36  | -77.78 | 0.00172 | 28.28  | -70.71 | 0.00183 |
| 21.21  | -63.64 | 0.00194 | 14.14  | -56.57 | 0.00200 |
| 7.07   | -49.50 | 0.00199 | 0.00   | -42.43 | 0.00184 |
| -3.54  | -38.89 | 0.00169 | -7.07  | -35.36 | 0.00148 |
| -9.19  | -33.23 | 0.00132 | -10.61 | -31.82 | 0.00121 |
| -12.02 | -30.41 | 0.00110 | -13.44 | -28.99 | 0.00099 |
| -14.85 | -27.58 | 0.00089 | -27.58 | -14.85 | 0.00052 |
| -28.99 | -13.44 | 0.00051 | -30.41 | -12.02 | 0.00049 |
| -31.82 | -10.61 | 0.00048 | -33.23 | -9.19  | 0.00047 |
| -35.36 | -7.07  | 0.00045 | -38.89 | -3.54  | 0.00042 |
| -42.43 | 0.00   | 0.00039 | -49.50 | 7.07   | 0.00035 |
| -56.57 | 14.14  | 0.00031 | -63.64 | 21.21  | 0.00028 |
| -70.71 | 28.28  | 0.00025 | -77.78 | 35.36  | 0.00023 |
| -84.85 | 42.43  | 0.00021 | -91.92 | 49.50  | 0.00019 |
| 42.43  | -98.99 | 0.00172 | 35.36  | -91.92 | 0.00190 |
| 28.28  | -84.85 | 0.00210 | 21.21  | -77.78 | 0.00232 |
| 14.14  | -70.71 | 0.00255 | 7.07   | -63.64 | 0.00279 |
| 0.00   | -56.57 | 0.00300 | -7.07  | -49.50 | 0.00311 |
| -10.61 | -45.96 | 0.00308 | -14.14 | -42.43 | 0.00295 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 54

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 \*\*\*

11NCRA\_PL91-300\_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      | 0.00281 | -17.68      | -38.89      | 0.00267 |
| -19.09      | -37.48      | 0.00250 | -20.51      | -36.06      | 0.00229 |
| -21.92      | -34.65      | 0.00203 | -34.65      | -21.92      | 0.00073 |
| -36.06      | -20.51      | 0.00072 | -37.48      | -19.09      | 0.00070 |
| -38.89      | -17.68      | 0.00069 | -40.31      | -16.26      | 0.00067 |
| -42.43      | -14.14      | 0.00065 | -45.96      | -10.61      | 0.00061 |
| -49.50      | -7.07       | 0.00056 | -56.57      | 0.00        | 0.00048 |
| -63.64      | 7.07        | 0.00042 | -70.71      | 14.14       | 0.00036 |
| -77.78      | 21.21       | 0.00032 | -84.85      | 28.28       | 0.00028 |
| -91.92      | 35.36       | 0.00025 | -98.99      | 42.43       | 0.00023 |
| 35.36       | -106.07     | 0.00191 | 28.28       | -98.99      | 0.00215 |
| 21.21       | -91.92      | 0.00242 | 14.14       | -84.85      | 0.00272 |
| 7.07        | -77.78      | 0.00307 | 0.00        | -70.71      | 0.00346 |
| -7.07       | -63.64      | 0.00387 | -14.14      | -56.57      | 0.00426 |
| -17.68      | -53.03      | 0.00441 | -21.21      | -49.50      | 0.00450 |
| -23.33      | -47.38      | 0.00450 | -24.75      | -45.96      | 0.00448 |
| -26.16      | -44.55      | 0.00445 | -27.58      | -43.13      | 0.00442 |
| -28.99      | -41.72      | 0.00438 | -41.72      | -28.99      | 0.00123 |
| -43.13      | -27.58      | 0.00117 | -44.55      | -26.16      | 0.00111 |
| -45.96      | -24.75      | 0.00107 | -47.38      | -23.33      | 0.00103 |
| -49.50      | -21.21      | 0.00097 | -53.03      | -17.68      | 0.00087 |
| -56.57      | -14.14      | 0.00079 | -63.64      | -7.07       | 0.00065 |
| -70.71      | 0.00        | 0.00055 | -77.78      | 7.07        | 0.00046 |
| -84.85      | 14.14       | 0.00040 | -91.92      | 21.21       | 0.00035 |
| -98.99      | 28.28       | 0.00030 | -106.07     | 35.36       | 0.00027 |
| 28.28       | -113.14     | 0.00205 | 21.21       | -106.07     | 0.00232 |
| 14.14       | -98.99      | 0.00263 | 7.07        | -91.92      | 0.00300 |
| 0.00        | -84.85      | 0.00342 | -7.07       | -77.78      | 0.00389 |
| -14.14      | -70.71      | 0.00438 | -21.21      | -63.64      | 0.00483 |
| -24.75      | -60.10      | 0.00499 | -28.28      | -56.57      | 0.00506 |
| -30.41      | -54.45      | 0.00504 | -31.82      | -53.03      | 0.00499 |
| -33.23      | -51.62      | 0.00492 | -34.65      | -50.20      | 0.00485 |
| -36.06      | -48.79      | 0.00476 | -48.79      | -36.06      | 0.00145 |
| -50.20      | -34.65      | 0.00140 | -51.62      | -33.23      | 0.00135 |
| -53.03      | -31.82      | 0.00131 | -54.45      | -30.41      | 0.00127 |
| -56.57      | -28.28      | 0.00120 | -60.10      | -24.75      | 0.00109 |
| -63.64      | -21.21      | 0.00098 | -70.71      | -14.14      | 0.00080 |
| -77.78      | -7.07       | 0.00066 | -84.85      | 0.00        | 0.00056 |
| -91.92      | 7.07        | 0.00047 | -98.99      | 14.14       | 0.00041 |
| -106.07     | 21.21       | 0.00035 | -113.14     | 28.28       | 0.00031 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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

\*\*\*

14:41:32  
 \*\*MODELOPTS:  
 PAGE 55  
 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     | 0.00211          | 14.14              | -113.14     | 0.00241 |
| 7.07        | -106.07     | 0.00275          | 0.00               | -98.99      | 0.00316 |
| -7.07       | -91.92      | 0.00362          | -14.14             | -84.85      | 0.00413 |
| -21.21      | -77.78      | 0.00465          | -28.28             | -70.71      | 0.00509 |
| -31.82      | -67.18      | 0.00523          | -35.36             | -63.64      | 0.00527 |
| -37.48      | -61.52      | 0.00523          | -38.89             | -60.10      | 0.00517 |
| -40.31      | -58.69      | 0.00509          | -41.72             | -57.28      | 0.00499 |
| -43.13      | -55.86      | 0.00489          | -55.86             | -43.13      | 0.00155 |
| -57.28      | -41.72      | 0.00150          | -58.69             | -40.31      | 0.00146 |
| -60.10      | -38.89      | 0.00142          | -61.52             | -37.48      | 0.00138 |
| -63.64      | -35.36      | 0.00132          | -67.18             | -31.82      | 0.00122 |
| -70.71      | -28.28      | 0.00111          | -77.78             | -21.21      | 0.00092 |
| -84.85      | -14.14      | 0.00076          | -91.92             | -7.07       | 0.00064 |
| -98.99      | 0.00        | 0.00054          | -106.07            | 7.07        | 0.00046 |
| -113.14     | 14.14       | 0.00039          | -120.21            | 21.21       | 0.00034 |
| 14.14       | -127.28     | 0.00212          | 7.07               | -120.21     | 0.00242 |
| 0.00        | -113.14     | 0.00278          | -7.07              | -106.07     | 0.00320 |
| -14.14      | -98.99      | 0.00369          | -21.21             | -91.92      | 0.00422 |
| -28.28      | -84.85      | 0.00475          | -35.36             | -77.78      | 0.00519 |
| -38.89      | -74.25      | 0.00532          | -42.43             | -70.71      | 0.00535 |
| -44.55      | -68.59      | 0.00530          | -45.96             | -67.18      | 0.00525 |
| -47.38      | -65.76      | 0.00517          | -48.79             | -64.35      | 0.00507 |
| -50.20      | -62.93      | 0.00498          | -62.93             | -50.20      | 0.00161 |
| -64.35      | -48.79      | 0.00155          | -65.76             | -47.38      | 0.00151 |
| -67.18      | -45.96      | 0.00147          | -68.59             | -44.55      | 0.00144 |
| -70.71      | -42.43      | 0.00138          | -74.25             | -38.89      | 0.00128 |
| -77.78      | -35.36      | 0.00118          | -84.85             | -28.28      | 0.00100 |
| -91.92      | -21.21      | 0.00084          | -98.99             | -14.14      | 0.00070 |
| -106.07     | -7.07       | 0.00059          | -113.14            | 0.00        | 0.00050 |
| -120.21     | 7.07        | 0.00043          | -127.28            | 14.14       | 0.00037 |
| 7.07        | -134.35     | 0.00206          | 0.00               | -127.28     | 0.00236 |
| -7.07       | -120.21     | 0.00272          | -14.14             | -113.14     | 0.00314 |
| -21.21      | -106.07     | 0.00362          | -28.28             | -98.99      | 0.00417 |
| -35.36      | -91.92      | 0.00472          | -42.43             | -84.85      | 0.00517 |
| -45.96      | -81.32      | 0.00531          | -49.50             | -77.78      | 0.00535 |
| -51.62      | -75.66      | 0.00531          | -53.03             | -74.25      | 0.00526 |



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -54.45 | -72.83 | 0.00519 | -55.86 | -71.42 | 0.00510 |
| -57.28 | -70.00 | 0.00501 | -70.00 | -57.28 | 0.00164 |
| -71.42 | -55.86 | 0.00158 | -72.83 | -54.45 | 0.00153 |
| -74.25 | -53.03 | 0.00149 | -75.66 | -51.62 | 0.00146 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 56  
 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      | 0.00141 | -81.32      | -45.96      | 0.00132 |
| -84.85      | -42.43      | 0.00122 | -91.92      | -35.36      | 0.00104 |
| -98.99      | -28.28      | 0.00088 | -106.07     | -21.21      | 0.00074 |
| -113.14     | -14.14      | 0.00063 | -120.21     | -7.07       | 0.00053 |
| -127.28     | 0.00        | 0.00045 | -134.35     | 7.07        | 0.00039 |
| 0.00        | -141.42     | 0.00194 | -7.07       | -134.35     | 0.00222 |
| -14.14      | -127.28     | 0.00256 | -21.21      | -120.21     | 0.00296 |
| -28.28      | -113.14     | 0.00343 | -35.36      | -106.07     | 0.00397 |
| -42.43      | -98.99      | 0.00454 | -49.50      | -91.92      | 0.00503 |
| -53.03      | -88.39      | 0.00520 | -56.57      | -84.85      | 0.00527 |
| -58.69      | -82.73      | 0.00526 | -60.10      | -81.32      | 0.00521 |
| -61.52      | -79.90      | 0.00515 | -62.93      | -78.49      | 0.00507 |
| -64.35      | -77.07      | 0.00498 | -77.07      | -64.35      | 0.00164 |
| -78.49      | -62.93      | 0.00158 | -79.90      | -61.52      | 0.00153 |
| -81.32      | -60.10      | 0.00149 | -82.73      | -58.69      | 0.00145 |
| -84.85      | -56.57      | 0.00140 | -88.39      | -53.03      | 0.00132 |
| -91.92      | -49.50      | 0.00124 | -98.99      | -42.43      | 0.00106 |
| -106.07     | -35.36      | 0.00090 | -113.14     | -28.28      | 0.00076 |
| -120.21     | -21.21      | 0.00065 | -127.28     | -14.14      | 0.00055 |
| -134.35     | -7.07       | 0.00047 | -141.42     | 0.00        | 0.00040 |
| -7.07       | -148.49     | 0.00175 | -14.14      | -141.42     | 0.00200 |
| -21.21      | -134.35     | 0.00230 | -28.28      | -127.28     | 0.00266 |
| -35.36      | -120.21     | 0.00309 | -42.43      | -113.14     | 0.00359 |
| -49.50      | -106.07     | 0.00414 | -56.57      | -98.99      | 0.00468 |
| -60.10      | -95.46      | 0.00490 | -63.64      | -91.92      | 0.00503 |
| -65.76      | -89.80      | 0.00505 | -67.18      | -88.39      | 0.00504 |
| -68.59      | -86.97      | 0.00500 | -70.00      | -85.56      | 0.00494 |
| -71.42      | -84.15      | 0.00487 | -84.15      | -71.42      | 0.00161 |
| -85.56      | -70.00      | 0.00154 | -86.97      | -68.59      | 0.00149 |
| -88.39      | -67.18      | 0.00145 | -89.80      | -65.76      | 0.00142 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -91.92  | -63.64  | 0.00137 | -95.46  | -60.10  | 0.00130 |
| -98.99  | -56.57  | 0.00122 | -106.07 | -49.50  | 0.00104 |
| -113.14 | -42.43  | 0.00089 | -120.21 | -35.36  | 0.00075 |
| -127.28 | -28.28  | 0.00064 | -134.35 | -21.21  | 0.00055 |
| -141.42 | -14.14  | 0.00047 | -148.49 | -7.07   | 0.00040 |
| -14.14  | -155.56 | 0.00151 | -21.21  | -148.49 | 0.00171 |
| -28.28  | -141.42 | 0.00195 | -35.36  | -134.35 | 0.00224 |
| -42.43  | -127.28 | 0.00258 | -49.50  | -120.21 | 0.00299 |
| -56.57  | -113.14 | 0.00344 | -63.64  | -106.07 | 0.00395 |
| -67.18  | -102.53 | 0.00419 | -70.71  | -98.99  | 0.00441 |

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

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

14:41:32

\*\*MODELOPTs:

PAGE 57

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      | 0.00451 | -74.25      | -95.46      | 0.00455 |
| -75.66      | -94.05      | 0.00457 | -77.07      | -92.63      | 0.00458 |
| -78.49      | -91.22      | 0.00457 | -91.22      | -78.49      | 0.00152 |
| -92.63      | -77.07      | 0.00146 | -94.05      | -75.66      | 0.00142 |
| -95.46      | -74.25      | 0.00138 | -96.87      | -72.83      | 0.00135 |
| -98.99      | -70.71      | 0.00130 | -102.53     | -67.18      | 0.00122 |
| -106.07     | -63.64      | 0.00114 | -113.14     | -56.57      | 0.00099 |
| -120.21     | -49.50      | 0.00084 | -127.28     | -42.43      | 0.00071 |
| -134.35     | -35.36      | 0.00061 | -141.42     | -28.28      | 0.00052 |
| -148.49     | -21.21      | 0.00045 | -155.56     | -14.14      | 0.00039 |
| -21.21      | -162.63     | 0.00126 | -28.28      | -155.56     | 0.00141 |
| -35.36      | -148.49     | 0.00157 | -42.43      | -141.42     | 0.00176 |
| -49.50      | -134.35     | 0.00198 | -56.57      | -127.28     | 0.00221 |
| -63.64      | -120.21     | 0.00245 | -70.71      | -113.14     | 0.00270 |
| -74.25      | -109.60     | 0.00283 | -77.78      | -106.07     | 0.00296 |
| -79.90      | -103.94     | 0.00306 | -81.32      | -102.53     | 0.00313 |
| -82.73      | -101.12     | 0.00321 | -84.15      | -99.70      | 0.00332 |
| -85.56      | -98.29      | 0.00346 | -98.29      | -85.56      | 0.00134 |
| -99.70      | -84.15      | 0.00128 | -101.12     | -82.73      | 0.00123 |
| -102.53     | -81.32      | 0.00120 | -103.94     | -79.90      | 0.00116 |
| -106.07     | -77.78      | 0.00112 | -109.60     | -74.25      | 0.00105 |
| -113.14     | -70.71      | 0.00099 | -120.21     | -63.64      | 0.00086 |
| -127.28     | -56.57      | 0.00075 | -134.35     | -49.50      | 0.00064 |
| -141.42     | -42.43      | 0.00056 | -148.49     | -35.36      | 0.00048 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -155.56 | -28.28  | 0.00042 | -162.63 | -21.21  | 0.00037 |
| -28.28  | -169.71 | 0.00104 | -35.36  | -162.63 | 0.00113 |
| -42.43  | -155.56 | 0.00123 | -49.50  | -148.49 | 0.00134 |
| -56.57  | -141.42 | 0.00144 | -63.64  | -134.35 | 0.00152 |
| -70.71  | -127.28 | 0.00157 | -77.78  | -120.21 | 0.00155 |
| -81.32  | -116.67 | 0.00151 | -84.85  | -113.14 | 0.00143 |
| -86.97  | -111.02 | 0.00137 | -88.39  | -109.60 | 0.00132 |
| -89.80  | -108.19 | 0.00127 | -91.22  | -106.77 | 0.00122 |
| -92.63  | -105.36 | 0.00116 | -105.36 | -92.63  | 0.00086 |
| -106.77 | -91.22  | 0.00085 | -108.19 | -89.80  | 0.00084 |
| -109.60 | -88.39  | 0.00083 | -111.02 | -86.97  | 0.00083 |
| -113.14 | -84.85  | 0.00081 | -116.67 | -81.32  | 0.00079 |
| -120.21 | -77.78  | 0.00077 | -127.28 | -70.71  | 0.00070 |
| -134.35 | -63.64  | 0.00063 | -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

14:41:32

\*\*MODELOPTs:

PAGE 58

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     | 0.00085 | -42.43      | -169.71     | 0.00090 |
| -49.50      | -162.63     | 0.00096 | -56.57      | -155.56     | 0.00101 |
| -63.64      | -148.49     | 0.00105 | -70.71      | -141.42     | 0.00106 |
| -77.78      | -134.35     | 0.00104 | -84.85      | -127.28     | 0.00097 |
| -88.39      | -123.74     | 0.00092 | -91.92      | -120.21     | 0.00086 |
| -94.05      | -118.09     | 0.00083 | -95.46      | -116.67     | 0.00081 |
| -96.87      | -115.26     | 0.00079 | -98.29      | -113.84     | 0.00078 |
| -99.70      | -112.43     | 0.00077 | -112.43     | -99.70      | 0.00065 |
| -113.84     | -98.29      | 0.00062 | -115.26     | -96.87      | 0.00061 |
| -116.67     | -95.46      | 0.00060 | -118.09     | -94.05      | 0.00059 |
| -120.21     | -91.92      | 0.00058 | -123.74     | -88.39      | 0.00058 |
| -127.28     | -84.85      | 0.00057 | -134.35     | -77.78      | 0.00055 |
| -141.42     | -70.71      | 0.00052 | -148.49     | -63.64      | 0.00047 |
| -155.56     | -56.57      | 0.00042 | -162.63     | -49.50      | 0.00038 |
| -169.71     | -42.43      | 0.00034 | -176.78     | -35.36      | 0.00031 |
| -42.43      | -183.85     | 0.00069 | -49.50      | -176.78     | 0.00072 |
| -56.57      | -169.71     | 0.00075 | -63.64      | -162.63     | 0.00077 |
| -70.71      | -155.56     | 0.00077 | -77.78      | -148.49     | 0.00076 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -84.85  | -141.42 | 0.00073 | -91.92  | -134.35 | 0.00068 |
| -95.46  | -130.81 | 0.00065 | -98.99  | -127.28 | 0.00063 |
| -101.12 | -125.16 | 0.00062 | -102.53 | -123.74 | 0.00062 |
| -103.94 | -122.33 | 0.00062 | -105.36 | -120.92 | 0.00062 |
| -106.77 | -119.50 | 0.00062 | -119.50 | -106.77 | 0.00055 |
| -120.92 | -105.36 | 0.00052 | -122.33 | -103.94 | 0.00050 |
| -123.74 | -102.53 | 0.00048 | -125.16 | -101.12 | 0.00047 |
| -127.28 | -98.99  | 0.00046 | -130.81 | -95.46  | 0.00044 |
| -134.35 | -91.92  | 0.00044 | -141.42 | -84.85  | 0.00043 |
| -148.49 | -77.78  | 0.00042 | -155.56 | -70.71  | 0.00039 |
| -162.63 | -63.64  | 0.00036 | -169.71 | -56.57  | 0.00033 |
| -176.78 | -49.50  | 0.00030 | -183.85 | -42.43  | 0.00028 |
| -49.50  | -190.92 | 0.00056 | -56.57  | -183.85 | 0.00058 |
| -63.64  | -176.78 | 0.00059 | -70.71  | -169.71 | 0.00059 |
| -77.78  | -162.63 | 0.00058 | -84.85  | -155.56 | 0.00056 |
| -91.92  | -148.49 | 0.00054 | -98.99  | -141.42 | 0.00051 |
| -102.53 | -137.89 | 0.00051 | -106.07 | -134.35 | 0.00051 |
| -108.19 | -132.23 | 0.00051 | -109.60 | -130.81 | 0.00051 |
| -111.02 | -129.40 | 0.00051 | -112.43 | -127.99 | 0.00051 |
| -113.84 | -126.57 | 0.00051 | -126.57 | -113.84 | 0.00047 |
| -127.99 | -112.43 | 0.00045 | -129.40 | -111.02 | 0.00043 |
| -130.81 | -109.60 | 0.00041 | -132.23 | -108.19 | 0.00040 |

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

14:41:32

\*\*MODELOPTs:

PAGE 59

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     | 0.00038 | -137.89     | -102.53     | 0.00036 |
| -141.42     | -98.99      | 0.00035 | -148.49     | -91.92      | 0.00034 |
| -155.56     | -84.85      | 0.00033 | -162.63     | -77.78      | 0.00032 |
| -169.71     | -70.71      | 0.00031 | -176.78     | -63.64      | 0.00029 |
| -183.85     | -56.57      | 0.00027 | -190.92     | -49.50      | 0.00025 |
| -56.57      | -197.99     | 0.00046 | -63.64      | -190.92     | 0.00046 |
| -70.71      | -183.85     | 0.00046 | -77.78      | -176.78     | 0.00046 |
| -84.85      | -169.71     | 0.00045 | -91.92      | -162.63     | 0.00044 |
| -98.99      | -155.56     | 0.00042 | -106.07     | -148.49     | 0.00041 |
| -109.60     | -144.96     | 0.00042 | -113.14     | -141.42     | 0.00042 |
| -115.26     | -139.30     | 0.00043 | -116.67     | -137.89     | 0.00043 |
| -118.09     | -136.47     | 0.00043 | -119.50     | -135.06     | 0.00043 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -120.92 | -133.64 | 0.00043 | -133.64 | -120.92 | 0.00041 |
| -135.06 | -119.50 | 0.00039 | -136.47 | -118.09 | 0.00038 |
| -137.89 | -116.67 | 0.00036 | -139.30 | -115.26 | 0.00035 |
| -141.42 | -113.14 | 0.00033 | -144.96 | -109.60 | 0.00030 |
| -148.49 | -106.07 | 0.00029 | -155.56 | -98.99  | 0.00028 |
| -162.63 | -91.92  | 0.00027 | -169.71 | -84.85  | 0.00026 |
| -176.78 | -77.78  | 0.00026 | -183.85 | -70.71  | 0.00024 |
| -190.92 | -63.64  | 0.00023 | -197.99 | -56.57  | 0.00022 |
| -63.64  | -205.06 | 0.00038 | -70.71  | -197.99 | 0.00038 |
| -77.78  | -190.92 | 0.00037 | -84.85  | -183.85 | 0.00037 |
| -91.92  | -176.78 | 0.00036 | -98.99  | -169.71 | 0.00035 |
| -106.07 | -162.63 | 0.00034 | -113.14 | -155.56 | 0.00035 |
| -116.67 | -152.03 | 0.00035 | -120.21 | -148.49 | 0.00036 |
| -122.33 | -146.37 | 0.00036 | -123.74 | -144.96 | 0.00036 |
| -125.16 | -143.54 | 0.00036 | -126.57 | -142.13 | 0.00036 |
| -127.99 | -140.71 | 0.00036 | -140.71 | -127.99 | 0.00035 |
| -142.13 | -126.57 | 0.00034 | -143.54 | -125.16 | 0.00033 |
| -144.96 | -123.74 | 0.00032 | -146.37 | -122.33 | 0.00031 |
| -148.49 | -120.21 | 0.00029 | -152.03 | -116.67 | 0.00026 |
| -155.56 | -113.14 | 0.00025 | -162.63 | -106.07 | 0.00023 |
| -169.71 | -98.99  | 0.00023 | -176.78 | -91.92  | 0.00022 |
| -183.85 | -84.85  | 0.00021 | -190.92 | -77.78  | 0.00021 |
| -197.99 | -70.71  | 0.00020 | -205.06 | -63.64  | 0.00019 |
| -70.71  | -212.13 | 0.00031 | -77.78  | -205.06 | 0.00031 |
| -84.85  | -197.99 | 0.00031 | -91.92  | -190.92 | 0.00030 |
| -98.99  | -183.85 | 0.00029 | -106.07 | -176.78 | 0.00029 |
| -113.14 | -169.71 | 0.00029 | -120.21 | -162.63 | 0.00030 |
| -123.74 | -159.10 | 0.00030 | -127.28 | -155.56 | 0.00030 |

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

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 60

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    |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40     | -153.44     | 0.00031 | -130.81     | -152.03     | 0.00031 |
| -132.23     | -150.61     | 0.00031 | -133.64     | -149.20     | 0.00031 |
| -135.06     | -147.79     | 0.00031 | -147.79     | -135.06     | 0.00030 |
| -149.20     | -133.64     | 0.00030 | -150.61     | -132.23     | 0.00029 |
| -152.03     | -130.81     | 0.00028 | -153.44     | -129.40     | 0.00027 |
| -155.56     | -127.28     | 0.00026 | -159.10     | -123.74     | 0.00023 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -162.63 | -120.21 | 0.00022 | -169.71 | -113.14 | 0.00020 |
| -176.78 | -106.07 | 0.00019 | -183.85 | -98.99  | 0.00019 |
| -190.92 | -91.92  | 0.00018 | -197.99 | -84.85  | 0.00018 |
| -205.06 | -77.78  | 0.00017 | -212.13 | -70.71  | 0.00016 |
| -77.78  | -219.20 | 0.00026 | -84.85  | -212.13 | 0.00026 |
| -91.92  | -205.06 | 0.00025 | -98.99  | -197.99 | 0.00025 |
| -106.07 | -190.92 | 0.00024 | -113.14 | -183.85 | 0.00024 |
| -120.21 | -176.78 | 0.00025 | -127.28 | -169.71 | 0.00026 |
| -130.81 | -166.17 | 0.00026 | -134.35 | -162.63 | 0.00026 |
| -136.47 | -160.51 | 0.00026 | -137.89 | -159.10 | 0.00026 |
| -139.30 | -157.68 | 0.00026 | -140.71 | -156.27 | 0.00027 |
| -142.13 | -154.86 | 0.00027 | -154.86 | -142.13 | 0.00026 |
| -156.27 | -140.71 | 0.00026 | -157.68 | -139.30 | 0.00025 |
| -159.10 | -137.89 | 0.00025 | -160.51 | -136.47 | 0.00024 |
| -162.63 | -134.35 | 0.00023 | -166.17 | -130.81 | 0.00021 |
| -169.71 | -127.28 | 0.00019 | -176.78 | -120.21 | 0.00017 |
| -183.85 | -113.14 | 0.00017 | -190.92 | -106.07 | 0.00016 |
| -197.99 | -98.99  | 0.00016 | -205.06 | -91.92  | 0.00015 |
| -212.13 | -84.85  | 0.00015 | -219.20 | -77.78  | 0.00014 |
| -84.85  | -226.27 | 0.00022 | -91.92  | -219.20 | 0.00022 |
| -98.99  | -212.13 | 0.00021 | -106.07 | -205.06 | 0.00021 |
| -113.14 | -197.99 | 0.00021 | -120.21 | -190.92 | 0.00021 |
| -127.28 | -183.85 | 0.00022 | -134.35 | -176.78 | 0.00023 |
| -137.89 | -173.24 | 0.00023 | -141.42 | -169.71 | 0.00023 |
| -143.54 | -167.58 | 0.00023 | -144.96 | -166.17 | 0.00023 |
| -146.37 | -164.76 | 0.00023 | -147.79 | -163.34 | 0.00023 |
| -149.20 | -161.93 | 0.00023 | -161.93 | -149.20 | 0.00023 |
| -163.34 | -147.79 | 0.00023 | -164.76 | -146.37 | 0.00022 |
| -166.17 | -144.96 | 0.00022 | -167.58 | -143.54 | 0.00021 |
| -169.71 | -141.42 | 0.00021 | -173.24 | -137.89 | 0.00019 |
| -176.78 | -134.35 | 0.00017 | -183.85 | -127.28 | 0.00015 |
| -190.92 | -120.21 | 0.00014 | -197.99 | -113.14 | 0.00014 |
| -205.06 | -106.07 | 0.00014 | -212.13 | -98.99  | 0.00014 |
| -219.20 | -91.92  | 0.00013 | -226.27 | -84.85  | 0.00013 |

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 61

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 |
|-------------|-------------|------|-------------|-------------|------|
| -----       |             |      |             |             |      |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -91.92  | -233.35 | 0.00019 | -98.99  | -226.27 | 0.00019 |
| -106.07 | -219.20 | 0.00018 | -113.14 | -212.13 | 0.00018 |
| -120.21 | -205.06 | 0.00018 | -127.28 | -197.99 | 0.00019 |
| -134.35 | -190.92 | 0.00019 | -141.42 | -183.85 | 0.00020 |
| -144.96 | -180.31 | 0.00020 | -148.49 | -176.78 | 0.00020 |
| -150.61 | -174.66 | 0.00020 | -152.03 | -173.24 | 0.00020 |
| -153.44 | -171.83 | 0.00020 | -154.86 | -170.41 | 0.00020 |
| -156.27 | -169.00 | 0.00020 | -169.00 | -156.27 | 0.00020 |
| -170.41 | -154.86 | 0.00020 | -171.83 | -153.44 | 0.00020 |
| -173.24 | -152.03 | 0.00020 | -174.66 | -150.61 | 0.00019 |
| -176.78 | -148.49 | 0.00018 | -180.31 | -144.96 | 0.00017 |
| -183.85 | -141.42 | 0.00016 | -190.92 | -134.35 | 0.00014 |
| -197.99 | -127.28 | 0.00013 | -205.06 | -120.21 | 0.00012 |
| -212.13 | -113.14 | 0.00012 | -219.20 | -106.07 | 0.00012 |
| -226.27 | -98.99  | 0.00012 | -233.35 | -91.92  | 0.00011 |
| -98.99  | -240.42 | 0.00016 | -106.07 | -233.35 | 0.00016 |
| -113.14 | -226.27 | 0.00016 | -120.21 | -219.20 | 0.00016 |
| -127.28 | -212.13 | 0.00016 | -134.35 | -205.06 | 0.00017 |
| -141.42 | -197.99 | 0.00017 | -148.49 | -190.92 | 0.00017 |
| -152.03 | -187.38 | 0.00018 | -155.56 | -183.85 | 0.00018 |
| -157.68 | -181.73 | 0.00018 | -159.10 | -180.31 | 0.00018 |
| -160.51 | -178.90 | 0.00018 | -161.93 | -177.48 | 0.00018 |
| -163.34 | -176.07 | 0.00018 | -176.07 | -163.34 | 0.00018 |
| -177.48 | -161.93 | 0.00018 | -178.90 | -160.51 | 0.00018 |
| -180.31 | -159.10 | 0.00017 | -181.73 | -157.68 | 0.00017 |
| -183.85 | -155.56 | 0.00017 | -187.38 | -152.03 | 0.00016 |
| -190.92 | -148.49 | 0.00015 | -197.99 | -141.42 | 0.00013 |
| -205.06 | -134.35 | 0.00011 | -212.13 | -127.28 | 0.00011 |
| -219.20 | -120.21 | 0.00011 | -226.27 | -113.14 | 0.00011 |
| -233.35 | -106.07 | 0.00011 | -240.42 | -98.99  | 0.00010 |
| -106.07 | -247.49 | 0.00014 | -113.14 | -240.42 | 0.00014 |
| -120.21 | -233.35 | 0.00014 | -127.28 | -226.27 | 0.00014 |
| -134.35 | -219.20 | 0.00015 | -141.42 | -212.13 | 0.00015 |
| -148.49 | -205.06 | 0.00015 | -155.56 | -197.99 | 0.00016 |
| -159.10 | -194.45 | 0.00016 | -162.63 | -190.92 | 0.00016 |
| -164.76 | -188.80 | 0.00016 | -166.17 | -187.38 | 0.00016 |
| -167.58 | -185.97 | 0.00016 | -169.00 | -184.55 | 0.00016 |
| -170.41 | -183.14 | 0.00016 | -183.14 | -170.41 | 0.00016 |
| -184.55 | -169.00 | 0.00016 | -185.97 | -167.58 | 0.00016 |
| -187.38 | -166.17 | 0.00016 | -188.80 | -164.76 | 0.00015 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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

\*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 62

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     | 0.00015 | -194.45            | -159.10     | 0.00014 |    |
| -197.99          | -155.56     | 0.00013 | -205.06            | -148.49     | 0.00012 |    |
| -212.13          | -141.42     | 0.00010 | -219.20            | -134.35     | 0.00010 |    |
| -226.27          | -127.28     | 0.00010 | -233.35            | -120.21     | 0.00010 |    |
| -240.42          | -113.14     | 0.00010 | -247.49            | -106.07     | 0.00009 |    |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 63  
 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      | 0.00006 | 240.42             | 113.14      | 0.00005 |    |
| 233.35           | 120.21      | 0.00005 | 226.27             | 127.28      | 0.00004 |    |
| 219.20           | 134.35      | 0.00004 | 212.13             | 141.42      | 0.00004 |    |
| 205.06           | 148.49      | 0.00004 | 197.99             | 155.56      | 0.00004 |    |
| 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      | 0.00003 | 134.35             | 219.20      | 0.00003 |    |
| 127.28           | 226.27      | 0.00003 | 120.21             | 233.35      | 0.00003 |    |
| 113.14           | 240.42      | 0.00003 | 106.07             | 247.49      | 0.00003 |    |
| 240.42           | 98.99       | 0.00006 | 233.35             | 106.07      | 0.00006 |    |
| 226.27           | 113.14      | 0.00005 | 219.20             | 120.21      | 0.00005 |    |
| 212.13           | 127.28      | 0.00005 | 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      | 0.00004 |    |
| 181.73           | 157.68      | 0.00004 | 180.31             | 159.10      | 0.00004 |    |
| 178.90           | 160.51      | 0.00004 | 177.48             | 161.93      | 0.00004 |    |
| 176.07           | 163.34      | 0.00003 | 163.34             | 176.07      | 0.00003 |    |



11NCRA\_PL91-300\_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 | 0.00003 | 113.14 | 226.27 | 0.00003 |
| 106.07 | 233.35 | 0.00003 | 98.99  | 240.42 | 0.00003 |
| 233.35 | 91.92  | 0.00007 | 226.27 | 98.99  | 0.00007 |
| 219.20 | 106.07 | 0.00006 | 212.13 | 113.14 | 0.00006 |
| 205.06 | 120.21 | 0.00005 | 197.99 | 127.28 | 0.00005 |
| 190.92 | 134.35 | 0.00005 | 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 | 0.00004 |
| 154.86 | 170.41 | 0.00004 | 153.44 | 171.83 | 0.00004 |
| 152.03 | 173.24 | 0.00004 | 150.61 | 174.66 | 0.00004 |

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 64

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      | 0.00004 | 144.96      | 180.31      | 0.00004 |
| 141.42      | 183.85      | 0.00004 | 134.35      | 190.92      | 0.00004 |
| 127.28      | 197.99      | 0.00004 | 120.21      | 205.06      | 0.00004 |
| 113.14      | 212.13      | 0.00004 | 106.07      | 219.20      | 0.00004 |
| 99.00       | 226.27      | 0.00003 | 91.92       | 233.35      | 0.00003 |
| 226.27      | 84.85       | 0.00008 | 219.20      | 91.92       | 0.00007 |
| 212.13      | 98.99       | 0.00007 | 205.06      | 106.07      | 0.00006 |
| 197.99      | 113.14      | 0.00006 | 190.92      | 120.21      | 0.00005 |
| 183.85      | 127.28      | 0.00005 | 176.78      | 134.35      | 0.00005 |
| 173.24      | 137.89      | 0.00005 | 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      | 0.00004 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 120.21 | 190.92 | 0.00004 | 113.14 | 197.99 | 0.00004 |
| 106.07 | 205.06 | 0.00004 | 99.00  | 212.13 | 0.00004 |
| 91.92  | 219.20 | 0.00004 | 84.85  | 226.27 | 0.00003 |
| 219.20 | 77.78  | 0.00009 | 212.13 | 84.85  | 0.00008 |
| 205.06 | 91.92  | 0.00008 | 197.99 | 98.99  | 0.00007 |
| 190.92 | 106.07 | 0.00006 | 183.85 | 113.14 | 0.00006 |
| 176.78 | 120.21 | 0.00006 | 169.71 | 127.28 | 0.00005 |
| 166.17 | 130.81 | 0.00005 | 162.63 | 134.35 | 0.00005 |
| 160.51 | 136.47 | 0.00005 | 159.10 | 137.89 | 0.00005 |
| 157.68 | 139.30 | 0.00005 | 156.27 | 140.71 | 0.00005 |
| 154.86 | 142.13 | 0.00005 | 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 | 0.00004 | 106.07 | 190.92 | 0.00004 |
| 99.00  | 197.99 | 0.00004 | 91.92  | 205.06 | 0.00004 |
| 84.85  | 212.13 | 0.00004 | 77.78  | 219.20 | 0.00003 |
| 212.13 | 70.71  | 0.00010 | 205.06 | 77.78  | 0.00010 |
| 197.99 | 84.85  | 0.00009 | 190.92 | 91.92  | 0.00008 |
| 183.85 | 98.99  | 0.00007 | 176.78 | 106.07 | 0.00007 |
| 169.71 | 113.14 | 0.00006 | 162.63 | 120.21 | 0.00006 |
| 159.10 | 123.74 | 0.00006 | 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 \*\*\*

14:41:32  
 \*\*MODELOPTS:  
 PAGE 65

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      | 0.00005 | 129.40      | 153.44      | 0.00005 |
| 127.28      | 155.56      | 0.00005 | 123.74      | 159.10      | 0.00005 |
| 120.21      | 162.63      | 0.00005 | 113.14      | 169.71      | 0.00005 |
| 106.07      | 176.78      | 0.00005 | 98.99       | 183.85      | 0.00005 |
| 91.92       | 190.92      | 0.00005 | 84.85       | 197.99      | 0.00004 |
| 77.78       | 205.06      | 0.00004 | 70.71       | 212.13      | 0.00004 |
| 205.06      | 63.64       | 0.00012 | 197.99      | 70.71       | 0.00011 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 190.92 | 77.78  | 0.00010 | 183.85 | 84.85  | 0.00009 |
| 176.78 | 91.92  | 0.00008 | 169.71 | 98.99  | 0.00008 |
| 162.63 | 106.07 | 0.00007 | 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 | 0.00006 |
| 143.54 | 125.16 | 0.00006 | 142.13 | 126.57 | 0.00006 |
| 140.71 | 127.99 | 0.00006 | 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 | 0.00005 |
| 98.99  | 169.71 | 0.00005 | 91.92  | 176.78 | 0.00005 |
| 84.85  | 183.85 | 0.00005 | 77.78  | 190.92 | 0.00005 |
| 70.71  | 197.99 | 0.00004 | 63.64  | 205.06 | 0.00004 |
| 197.99 | 56.57  | 0.00014 | 190.92 | 63.64  | 0.00013 |
| 183.85 | 70.71  | 0.00012 | 176.78 | 77.78  | 0.00011 |
| 169.71 | 84.85  | 0.00010 | 162.63 | 91.92  | 0.00009 |
| 155.56 | 98.99  | 0.00008 | 148.49 | 106.07 | 0.00007 |
| 144.96 | 109.60 | 0.00007 | 141.42 | 113.14 | 0.00007 |
| 139.30 | 115.26 | 0.00007 | 137.89 | 116.67 | 0.00007 |
| 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 | 0.00006 | 115.26 | 139.30 | 0.00006 |
| 113.14 | 141.42 | 0.00006 | 109.60 | 144.96 | 0.00006 |
| 106.07 | 148.49 | 0.00006 | 98.99  | 155.56 | 0.00006 |
| 91.92  | 162.63 | 0.00006 | 84.85  | 169.71 | 0.00006 |
| 77.78  | 176.78 | 0.00005 | 70.71  | 183.85 | 0.00005 |
| 63.64  | 190.92 | 0.00005 | 56.57  | 197.99 | 0.00004 |

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

14:41:32  
 \*\*MODELOPTS:  
 PAGE 66  
 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       | 0.00016 | 183.85      | 56.57       | 0.00015 |
| 176.78      | 63.64       | 0.00014 | 169.71      | 70.71       | 0.00013 |
| 162.63      | 77.78       | 0.00011 | 155.56      | 84.85       | 0.00010 |
| 148.49      | 91.92       | 0.00009 | 141.42      | 98.99       | 0.00008 |
| 137.89      | 102.53      | 0.00008 | 134.35      | 106.07      | 0.00008 |

11NCRA\_PL91-300\_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 | 0.00007 | 102.53 | 137.89 | 0.00007 |
| 98.99  | 141.42 | 0.00007 | 91.92  | 148.49 | 0.00007 |
| 84.85  | 155.56 | 0.00007 | 77.78  | 162.63 | 0.00006 |
| 70.71  | 169.71 | 0.00006 | 63.64  | 176.78 | 0.00005 |
| 56.57  | 183.85 | 0.00005 | 49.50  | 190.92 | 0.00004 |
| 183.85 | 42.43  | 0.00019 | 176.78 | 49.50  | 0.00018 |
| 169.71 | 56.57  | 0.00016 | 162.63 | 63.64  | 0.00015 |
| 155.56 | 70.71  | 0.00013 | 148.49 | 77.78  | 0.00012 |
| 141.42 | 84.85  | 0.00011 | 134.35 | 91.92  | 0.00010 |
| 130.81 | 95.46  | 0.00009 | 127.28 | 98.99  | 0.00009 |
| 125.16 | 101.12 | 0.00009 | 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 | 0.00007 |
| 91.92  | 134.35 | 0.00008 | 84.85  | 141.42 | 0.00008 |
| 77.78  | 148.49 | 0.00007 | 70.71  | 155.56 | 0.00007 |
| 63.64  | 162.63 | 0.00006 | 56.57  | 169.71 | 0.00006 |
| 49.50  | 176.78 | 0.00005 | 42.43  | 183.85 | 0.00005 |
| 176.78 | 35.36  | 0.00022 | 169.71 | 42.43  | 0.00021 |
| 162.63 | 49.50  | 0.00019 | 155.56 | 56.57  | 0.00018 |
| 148.49 | 63.64  | 0.00016 | 141.42 | 70.71  | 0.00014 |
| 134.35 | 77.78  | 0.00013 | 127.28 | 84.85  | 0.00011 |
| 123.74 | 88.39  | 0.00011 | 120.21 | 91.92  | 0.00010 |
| 118.09 | 94.05  | 0.00010 | 116.67 | 95.46  | 0.00010 |
| 115.26 | 96.87  | 0.00010 | 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      \*\*\*  
 14:41:32  
 \*\*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      \*\*

11NCRA\_PL91-300\_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      | 0.00008 | 88.39       | 123.74      | 0.00009 |
| 84.85       | 127.28      | 0.00009 | 77.78       | 134.35      | 0.00009 |
| 70.71       | 141.42      | 0.00008 | 63.64       | 148.49      | 0.00007 |
| 56.57       | 155.56      | 0.00007 | 49.50       | 162.63      | 0.00006 |
| 42.43       | 169.71      | 0.00006 | 35.36       | 176.78      | 0.00005 |
| 169.71      | 28.28       | 0.00027 | 162.63      | 35.36       | 0.00025 |
| 155.56      | 42.43       | 0.00024 | 148.49      | 49.50       | 0.00022 |
| 141.42      | 56.57       | 0.00020 | 134.35      | 63.64       | 0.00017 |
| 127.28      | 70.71       | 0.00015 | 120.21      | 77.78       | 0.00013 |
| 116.67      | 81.32       | 0.00013 | 113.14      | 84.85       | 0.00012 |
| 111.02      | 86.97       | 0.00012 | 109.60      | 88.39       | 0.00011 |
| 108.19      | 89.80       | 0.00011 | 106.77      | 91.22       | 0.00011 |
| 105.36      | 92.63       | 0.00011 | 92.63       | 105.36      | 0.00010 |
| 91.22       | 106.77      | 0.00010 | 89.80       | 108.19      | 0.00010 |
| 88.39       | 109.60      | 0.00010 | 86.97       | 111.02      | 0.00010 |
| 84.85       | 113.14      | 0.00010 | 81.32       | 116.67      | 0.00010 |
| 77.78       | 120.21      | 0.00010 | 70.71       | 127.28      | 0.00010 |
| 63.64       | 134.35      | 0.00009 | 56.57       | 141.42      | 0.00008 |
| 49.50       | 148.49      | 0.00007 | 42.43       | 155.56      | 0.00007 |
| 35.36       | 162.63      | 0.00006 | 28.28       | 169.71      | 0.00006 |
| 162.63      | 21.21       | 0.00033 | 155.56      | 28.28       | 0.00031 |
| 148.49      | 35.36       | 0.00029 | 141.42      | 42.43       | 0.00027 |
| 134.35      | 49.50       | 0.00024 | 127.28      | 56.57       | 0.00022 |
| 120.21      | 63.64       | 0.00019 | 113.14      | 70.71       | 0.00016 |
| 109.60      | 74.25       | 0.00015 | 106.07      | 77.78       | 0.00014 |
| 103.94      | 79.90       | 0.00014 | 102.53      | 81.32       | 0.00013 |
| 101.12      | 82.73       | 0.00013 | 99.70       | 84.15       | 0.00013 |
| 98.29       | 85.56       | 0.00012 | 85.56       | 98.29       | 0.00011 |
| 84.15       | 99.70       | 0.00011 | 82.73       | 101.12      | 0.00011 |
| 81.32       | 102.53      | 0.00011 | 79.90       | 103.94      | 0.00011 |
| 77.78       | 106.07      | 0.00011 | 74.25       | 109.60      | 0.00011 |
| 70.71       | 113.14      | 0.00011 | 63.64       | 120.21      | 0.00011 |
| 56.57       | 127.28      | 0.00010 | 49.50       | 134.35      | 0.00009 |
| 42.43       | 141.42      | 0.00008 | 35.36       | 148.49      | 0.00007 |
| 28.28       | 155.56      | 0.00007 | 21.21       | 162.63      | 0.00006 |
| 155.56      | 14.14       | 0.00041 | 148.49      | 21.21       | 0.00039 |
| 141.42      | 28.28       | 0.00037 | 134.35      | 35.36       | 0.00034 |
| 127.28      | 42.43       | 0.00030 | 120.21      | 49.50       | 0.00027 |
| 113.14      | 56.57       | 0.00023 | 106.07      | 63.64       | 0.00020 |
| 102.53      | 67.18       | 0.00018 | 98.99       | 70.71       | 0.00017 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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

\*\*\*

14:41:32  
\*\*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       | 0.00016 | 95.46       | 74.25       | 0.00016 |
| 94.05       | 75.66       | 0.00016 | 92.63       | 77.07       | 0.00015 |
| 91.22       | 78.49       | 0.00015 | 78.49       | 91.22       | 0.00013 |
| 77.07       | 92.63       | 0.00013 | 75.66       | 94.05       | 0.00013 |
| 74.25       | 95.46       | 0.00013 | 72.83       | 96.87       | 0.00013 |
| 70.71       | 98.99       | 0.00013 | 67.18       | 102.53      | 0.00013 |
| 63.64       | 106.07      | 0.00013 | 56.57       | 113.14      | 0.00012 |
| 49.50       | 120.21      | 0.00011 | 42.43       | 127.28      | 0.00010 |
| 35.36       | 134.35      | 0.00009 | 28.28       | 141.42      | 0.00008 |
| 21.21       | 148.49      | 0.00007 | 14.14       | 155.56      | 0.00007 |
| 148.49      | 7.07        | 0.00051 | 141.42      | 14.14       | 0.00050 |
| 134.35      | 21.21       | 0.00047 | 127.28      | 28.28       | 0.00043 |
| 120.21      | 35.36       | 0.00039 | 113.14      | 42.43       | 0.00035 |
| 106.07      | 49.50       | 0.00030 | 98.99       | 56.57       | 0.00025 |
| 95.46       | 60.10       | 0.00023 | 91.92       | 63.64       | 0.00021 |
| 89.80       | 65.76       | 0.00020 | 88.39       | 67.18       | 0.00020 |
| 86.97       | 68.59       | 0.00019 | 85.56       | 70.00       | 0.00018 |
| 84.15       | 71.42       | 0.00018 | 71.42       | 84.15       | 0.00016 |
| 70.00       | 85.56       | 0.00016 | 68.59       | 86.97       | 0.00016 |
| 67.18       | 88.39       | 0.00016 | 65.76       | 89.80       | 0.00016 |
| 63.64       | 91.92       | 0.00016 | 60.10       | 95.46       | 0.00016 |
| 56.57       | 98.99       | 0.00015 | 49.50       | 106.07      | 0.00014 |
| 42.43       | 113.14      | 0.00012 | 35.36       | 120.21      | 0.00011 |
| 28.28       | 127.28      | 0.00010 | 21.21       | 134.35      | 0.00009 |
| 14.14       | 141.42      | 0.00008 | 7.07        | 148.49      | 0.00008 |
| 141.42      | 0.00        | 0.00064 | 134.35      | 7.07        | 0.00063 |
| 127.28      | 14.14       | 0.00061 | 120.21      | 21.21       | 0.00057 |
| 113.14      | 28.28       | 0.00053 | 106.07      | 35.36       | 0.00047 |
| 98.99       | 42.43       | 0.00040 | 91.92       | 49.50       | 0.00033 |
| 88.39       | 53.03       | 0.00030 | 84.85       | 56.57       | 0.00027 |
| 82.73       | 58.69       | 0.00026 | 81.32       | 60.10       | 0.00025 |
| 79.90       | 61.52       | 0.00024 | 78.49       | 62.93       | 0.00023 |
| 77.07       | 64.35       | 0.00022 | 64.35       | 77.07       | 0.00019 |
| 62.93       | 78.49       | 0.00019 | 61.52       | 79.90       | 0.00019 |
| 60.10       | 81.32       | 0.00019 | 58.69       | 82.73       | 0.00019 |
| 56.57       | 84.85       | 0.00019 | 53.03       | 88.39       | 0.00019 |
| 49.50       | 91.92       | 0.00018 | 42.43       | 98.99       | 0.00016 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|       |        |         |       |        |         |
|-------|--------|---------|-------|--------|---------|
| 35.36 | 106.07 | 0.00014 | 28.28 | 113.14 | 0.00012 |
| 21.21 | 120.21 | 0.00011 | 14.14 | 127.28 | 0.00010 |
| 7.07  | 134.35 | 0.00010 | 0.00  | 141.42 | 0.00009 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 69  
 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       | 0.00080 | 127.28      | 0.00        | 0.00080 |
| 120.21      | 7.07        | 0.00079 | 113.14      | 14.14       | 0.00077 |
| 106.07      | 21.21       | 0.00072 | 98.99       | 28.28       | 0.00065 |
| 91.92       | 35.36       | 0.00056 | 84.85       | 42.43       | 0.00046 |
| 81.32       | 45.96       | 0.00041 | 77.78       | 49.50       | 0.00036 |
| 75.66       | 51.62       | 0.00034 | 74.25       | 53.03       | 0.00032 |
| 72.83       | 54.45       | 0.00031 | 71.42       | 55.86       | 0.00030 |
| 70.00       | 57.28       | 0.00028 | 57.28       | 70.00       | 0.00023 |
| 55.86       | 71.42       | 0.00024 | 54.45       | 72.83       | 0.00024 |
| 53.03       | 74.25       | 0.00024 | 51.62       | 75.66       | 0.00024 |
| 49.50       | 77.78       | 0.00023 | 45.96       | 81.32       | 0.00022 |
| 42.43       | 84.85       | 0.00021 | 35.36       | 91.92       | 0.00018 |
| 28.28       | 98.99       | 0.00016 | 21.21       | 106.07      | 0.00014 |
| 14.14       | 113.14      | 0.00013 | 7.07        | 120.21      | 0.00012 |
| 0.00        | 127.28      | 0.00011 | -7.07       | 134.35      | 0.00011 |
| 127.28      | -14.14      | 0.00099 | 120.21      | -7.07       | 0.00102 |
| 113.14      | 0.00        | 0.00103 | 106.07      | 7.07        | 0.00103 |
| 98.99       | 14.14       | 0.00100 | 91.92       | 21.21       | 0.00094 |
| 84.85       | 28.28       | 0.00082 | 77.78       | 35.36       | 0.00067 |
| 74.25       | 38.89       | 0.00060 | 70.71       | 42.43       | 0.00052 |
| 68.59       | 44.55       | 0.00047 | 67.18       | 45.96       | 0.00045 |
| 65.76       | 47.38       | 0.00042 | 64.35       | 48.79       | 0.00040 |
| 62.93       | 50.20       | 0.00038 | 50.20       | 62.93       | 0.00030 |
| 48.79       | 64.35       | 0.00030 | 47.38       | 65.76       | 0.00030 |
| 45.96       | 67.18       | 0.00030 | 44.55       | 68.59       | 0.00029 |
| 42.43       | 70.71       | 0.00028 | 38.89       | 74.25       | 0.00027 |
| 35.36       | 77.78       | 0.00025 | 28.28       | 84.85       | 0.00021 |
| 21.21       | 91.92       | 0.00019 | 14.14       | 98.99       | 0.00017 |
| 7.07        | 106.07      | 0.00016 | 0.00        | 113.14      | 0.00015 |
| -7.07       | 120.21      | 0.00014 | -14.14      | 127.28      | 0.00013 |
| 120.21      | -21.21      | 0.00122 | 113.14      | -14.14      | 0.00129 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |       |         |       |       |         |
|--------|-------|---------|-------|-------|---------|
| 106.07 | -7.07 | 0.00134 | 98.99 | 0.00  | 0.00138 |
| 91.92  | 7.07  | 0.00140 | 84.85 | 14.14 | 0.00137 |
| 77.78  | 21.21 | 0.00127 | 70.71 | 28.28 | 0.00108 |
| 67.18  | 31.82 | 0.00095 | 63.64 | 35.36 | 0.00081 |
| 61.52  | 37.48 | 0.00073 | 60.10 | 38.89 | 0.00068 |
| 58.69  | 40.31 | 0.00063 | 57.28 | 41.72 | 0.00058 |
| 55.86  | 43.13 | 0.00054 | 43.13 | 55.86 | 0.00039 |
| 41.72  | 57.28 | 0.00039 | 40.31 | 58.69 | 0.00038 |
| 38.89  | 60.10 | 0.00037 | 37.48 | 61.52 | 0.00036 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 70  
 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       | 0.00035 | 31.82       | 67.18       | 0.00032 |
| 28.28       | 70.71       | 0.00030 | 21.21       | 77.78       | 0.00026 |
| 14.14       | 84.85       | 0.00024 | 7.07        | 91.92       | 0.00021 |
| 0.00        | 98.99       | 0.00020 | -7.07       | 106.07      | 0.00018 |
| -14.14      | 113.14      | 0.00017 | -21.21      | 120.21      | 0.00016 |
| 113.14      | -28.28      | 0.00148 | 106.07      | -21.21      | 0.00160 |
| 98.99       | -14.14      | 0.00172 | 91.92       | -7.07       | 0.00183 |
| 84.85       | 0.00        | 0.00194 | 77.78       | 7.07        | 0.00200 |
| 70.71       | 14.14       | 0.00199 | 63.64       | 21.21       | 0.00184 |
| 60.10       | 24.75       | 0.00169 | 56.57       | 28.28       | 0.00148 |
| 54.45       | 30.41       | 0.00132 | 53.03       | 31.82       | 0.00121 |
| 51.62       | 33.23       | 0.00110 | 50.20       | 34.65       | 0.00099 |
| 48.79       | 36.06       | 0.00089 | 36.06       | 48.79       | 0.00052 |
| 34.65       | 50.20       | 0.00051 | 33.23       | 51.62       | 0.00049 |
| 31.82       | 53.03       | 0.00048 | 30.41       | 54.45       | 0.00047 |
| 28.28       | 56.57       | 0.00045 | 24.75       | 60.10       | 0.00042 |
| 21.21       | 63.64       | 0.00039 | 14.14       | 70.71       | 0.00035 |
| 7.07        | 77.78       | 0.00031 | 0.00        | 84.85       | 0.00028 |
| -7.07       | 91.92       | 0.00025 | -14.14      | 98.99       | 0.00023 |
| -21.21      | 106.07      | 0.00021 | -28.28      | 113.14      | 0.00019 |
| 106.07      | -35.36      | 0.00172 | 98.99       | -28.28      | 0.00190 |
| 91.92       | -21.21      | 0.00210 | 84.85       | -14.14      | 0.00232 |
| 77.78       | -7.07       | 0.00255 | 70.71       | 0.00        | 0.00279 |
| 63.64       | 7.07        | 0.00300 | 56.57       | 14.14       | 0.00311 |
| 53.03       | 17.68       | 0.00308 | 49.50       | 21.21       | 0.00295 |



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 47.38  | 23.33  | 0.00281 | 45.96  | 24.75  | 0.00267 |
| 44.55  | 26.16  | 0.00250 | 43.13  | 27.58  | 0.00229 |
| 41.72  | 28.99  | 0.00203 | 28.99  | 41.72  | 0.00073 |
| 27.58  | 43.13  | 0.00072 | 26.16  | 44.55  | 0.00070 |
| 24.75  | 45.96  | 0.00069 | 23.33  | 47.38  | 0.00067 |
| 21.21  | 49.50  | 0.00065 | 17.68  | 53.03  | 0.00061 |
| 14.14  | 56.57  | 0.00056 | 7.07   | 63.64  | 0.00048 |
| 0.00   | 70.71  | 0.00042 | -7.07  | 77.78  | 0.00036 |
| -14.14 | 84.85  | 0.00032 | -21.21 | 91.92  | 0.00028 |
| -28.28 | 98.99  | 0.00025 | -35.36 | 106.07 | 0.00023 |
| 98.99  | -42.43 | 0.00191 | 91.92  | -35.36 | 0.00215 |
| 84.85  | -28.28 | 0.00242 | 77.78  | -21.21 | 0.00272 |
| 70.71  | -14.14 | 0.00307 | 63.64  | -7.07  | 0.00346 |
| 56.57  | 0.00   | 0.00387 | 49.50  | 7.07   | 0.00426 |
| 45.96  | 10.61  | 0.00441 | 42.43  | 14.14  | 0.00450 |

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

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 71  
 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       | 0.00450 | 38.89       | 17.68       | 0.00448 |
| 37.48       | 19.09       | 0.00445 | 36.06       | 20.51       | 0.00442 |
| 34.65       | 21.92       | 0.00438 | 21.92       | 34.65       | 0.00123 |
| 20.51       | 36.06       | 0.00117 | 19.09       | 37.48       | 0.00111 |
| 17.68       | 38.89       | 0.00107 | 16.26       | 40.31       | 0.00103 |
| 14.14       | 42.43       | 0.00097 | 10.61       | 45.96       | 0.00087 |
| 7.07        | 49.50       | 0.00079 | 0.00        | 56.57       | 0.00065 |
| -7.07       | 63.64       | 0.00055 | -14.14      | 70.71       | 0.00046 |
| -21.21      | 77.78       | 0.00040 | -28.28      | 84.85       | 0.00035 |
| -35.36      | 91.92       | 0.00030 | -42.43      | 98.99       | 0.00027 |
| 91.92       | -49.50      | 0.00205 | 84.85       | -42.43      | 0.00232 |
| 77.78       | -35.36      | 0.00263 | 70.71       | -28.28      | 0.00300 |
| 63.64       | -21.21      | 0.00342 | 56.57       | -14.14      | 0.00389 |
| 49.50       | -7.07       | 0.00438 | 42.43       | 0.00        | 0.00483 |
| 38.89       | 3.54        | 0.00499 | 35.36       | 7.07        | 0.00506 |
| 33.23       | 9.19        | 0.00504 | 31.82       | 10.61       | 0.00499 |
| 30.41       | 12.02       | 0.00492 | 28.99       | 13.44       | 0.00485 |
| 27.58       | 14.85       | 0.00476 | 14.85       | 27.58       | 0.00145 |
| 13.44       | 28.99       | 0.00140 | 12.02       | 30.41       | 0.00135 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 10.61  | 31.82  | 0.00131 | 9.19   | 33.23  | 0.00127 |
| 7.07   | 35.36  | 0.00120 | 3.54   | 38.89  | 0.00109 |
| 0.00   | 42.43  | 0.00098 | -7.07  | 49.50  | 0.00080 |
| -14.14 | 56.57  | 0.00066 | -21.21 | 63.64  | 0.00056 |
| -28.28 | 70.71  | 0.00047 | -35.36 | 77.78  | 0.00041 |
| -42.43 | 84.85  | 0.00035 | -49.50 | 91.92  | 0.00031 |
| 84.85  | -56.57 | 0.00211 | 77.78  | -49.50 | 0.00241 |
| 70.71  | -42.43 | 0.00275 | 63.64  | -35.36 | 0.00316 |
| 56.57  | -28.28 | 0.00362 | 49.50  | -21.21 | 0.00413 |
| 42.43  | -14.14 | 0.00465 | 35.36  | -7.07  | 0.00509 |
| 31.82  | -3.54  | 0.00523 | 28.28  | 0.00   | 0.00527 |
| 26.16  | 2.12   | 0.00523 | 24.75  | 3.54   | 0.00517 |
| 23.33  | 4.95   | 0.00509 | 21.92  | 6.36   | 0.00499 |
| 20.51  | 7.78   | 0.00489 | 7.78   | 20.51  | 0.00155 |
| 6.36   | 21.92  | 0.00150 | 4.95   | 23.33  | 0.00146 |
| 3.54   | 24.75  | 0.00142 | 2.12   | 26.16  | 0.00138 |
| 0.00   | 28.28  | 0.00132 | -3.54  | 31.82  | 0.00122 |
| -7.07  | 35.36  | 0.00111 | -14.14 | 42.43  | 0.00092 |
| -21.21 | 49.50  | 0.00076 | -28.28 | 56.57  | 0.00064 |
| -35.36 | 63.64  | 0.00054 | -42.43 | 70.71  | 0.00046 |
| -49.50 | 77.78  | 0.00039 | -56.57 | 84.85  | 0.00034 |

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 72

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      | 0.00212 | 70.71       | -56.57      | 0.00242 |
| 63.64       | -49.50      | 0.00278 | 56.57       | -42.43      | 0.00320 |
| 49.50       | -35.36      | 0.00369 | 42.43       | -28.28      | 0.00422 |
| 35.36       | -21.21      | 0.00475 | 28.28       | -14.14      | 0.00519 |
| 24.75       | -10.61      | 0.00532 | 21.21       | -7.07       | 0.00535 |
| 19.09       | -4.95       | 0.00530 | 17.68       | -3.54       | 0.00525 |
| 16.26       | -2.12       | 0.00517 | 14.85       | -0.71       | 0.00507 |
| 13.44       | 0.71        | 0.00498 | 0.71        | 13.44       | 0.00161 |
| -0.71       | 14.85       | 0.00155 | -2.12       | 16.26       | 0.00151 |
| -3.54       | 17.68       | 0.00147 | -4.95       | 19.09       | 0.00144 |
| -7.07       | 21.21       | 0.00138 | -10.61      | 24.75       | 0.00128 |
| -14.14      | 28.28       | 0.00118 | -21.21      | 35.36       | 0.00100 |
| -28.28      | 42.43       | 0.00084 | -35.36      | 49.50       | 0.00070 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -42.43 | 56.57  | 0.00059 | -49.50 | 63.64  | 0.00050 |
| -56.57 | 70.71  | 0.00043 | -63.64 | 77.78  | 0.00037 |
| 70.71  | -70.71 | 0.00206 | 63.64  | -63.64 | 0.00236 |
| 56.57  | -56.57 | 0.00272 | 49.50  | -49.50 | 0.00314 |
| 42.43  | -42.43 | 0.00362 | 35.36  | -35.36 | 0.00417 |
| 28.28  | -28.28 | 0.00472 | 21.21  | -21.21 | 0.00517 |
| 17.68  | -17.68 | 0.00531 | 14.14  | -14.14 | 0.00535 |
| 12.02  | -12.02 | 0.00531 | 10.61  | -10.61 | 0.00526 |
| 9.19   | -9.19  | 0.00519 | 7.78   | -7.78  | 0.00510 |
| 6.36   | -6.36  | 0.00501 | -6.36  | 6.36   | 0.00164 |
| -7.78  | 7.78   | 0.00158 | -9.19  | 9.19   | 0.00153 |
| -10.61 | 10.61  | 0.00149 | -12.02 | 12.02  | 0.00146 |
| -14.14 | 14.14  | 0.00141 | -17.68 | 17.68  | 0.00132 |
| -21.21 | 21.21  | 0.00122 | -28.28 | 28.28  | 0.00104 |
| -35.36 | 35.36  | 0.00088 | -42.43 | 42.43  | 0.00074 |
| -49.50 | 49.50  | 0.00063 | -56.57 | 56.57  | 0.00053 |
| -63.64 | 63.64  | 0.00045 | -70.71 | 70.71  | 0.00039 |
| 63.64  | -77.78 | 0.00194 | 56.57  | -70.71 | 0.00222 |
| 49.50  | -63.64 | 0.00256 | 42.43  | -56.57 | 0.00296 |
| 35.36  | -49.50 | 0.00343 | 28.28  | -42.43 | 0.00397 |
| 21.21  | -35.36 | 0.00454 | 14.14  | -28.28 | 0.00503 |
| 10.61  | -24.75 | 0.00520 | 7.07   | -21.21 | 0.00527 |
| 4.95   | -19.09 | 0.00526 | 3.54   | -17.68 | 0.00521 |
| 2.12   | -16.26 | 0.00515 | 0.71   | -14.85 | 0.00507 |
| -0.71  | -13.44 | 0.00498 | -13.44 | -0.71  | 0.00164 |
| -14.85 | 0.71   | 0.00158 | -16.26 | 2.12   | 0.00153 |
| -17.68 | 3.54   | 0.00149 | -19.09 | 4.95   | 0.00145 |

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

14:41:32  
 \*\*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        | 0.00140 | -24.75      | 10.61       | 0.00132 |
| -28.28      | 14.14       | 0.00124 | -35.36      | 21.21       | 0.00106 |
| -42.43      | 28.28       | 0.00090 | -49.50      | 35.36       | 0.00076 |
| -56.57      | 42.43       | 0.00065 | -63.64      | 49.50       | 0.00055 |
| -70.71      | 56.57       | 0.00047 | -77.78      | 63.64       | 0.00040 |
| 56.57       | -84.85      | 0.00175 | 49.50       | -77.78      | 0.00200 |
| 42.43       | -70.71      | 0.00230 | 35.36       | -63.64      | 0.00266 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 28.28  | -56.57 | 0.00309 | 21.21  | -49.50 | 0.00359 |
| 14.14  | -42.43 | 0.00414 | 7.07   | -35.36 | 0.00468 |
| 3.54   | -31.82 | 0.00490 | 0.00   | -28.28 | 0.00503 |
| -2.12  | -26.16 | 0.00505 | -3.54  | -24.75 | 0.00504 |
| -4.95  | -23.33 | 0.00500 | -6.36  | -21.92 | 0.00494 |
| -7.78  | -20.51 | 0.00487 | -20.51 | -7.78  | 0.00161 |
| -21.92 | -6.36  | 0.00154 | -23.33 | -4.95  | 0.00149 |
| -24.75 | -3.54  | 0.00145 | -26.16 | -2.12  | 0.00142 |
| -28.28 | 0.00   | 0.00137 | -31.82 | 3.54   | 0.00130 |
| -35.36 | 7.07   | 0.00122 | -42.43 | 14.14  | 0.00104 |
| -49.50 | 21.21  | 0.00089 | -56.57 | 28.28  | 0.00075 |
| -63.64 | 35.36  | 0.00064 | -70.71 | 42.43  | 0.00055 |
| -77.78 | 49.50  | 0.00047 | -84.85 | 56.57  | 0.00040 |
| 49.50  | -91.92 | 0.00151 | 42.43  | -84.85 | 0.00171 |
| 35.36  | -77.78 | 0.00195 | 28.28  | -70.71 | 0.00224 |
| 21.21  | -63.64 | 0.00258 | 14.14  | -56.57 | 0.00299 |
| 7.07   | -49.50 | 0.00344 | 0.00   | -42.43 | 0.00395 |
| -3.54  | -38.89 | 0.00419 | -7.07  | -35.36 | 0.00441 |
| -9.19  | -33.23 | 0.00451 | -10.61 | -31.82 | 0.00455 |
| -12.02 | -30.41 | 0.00457 | -13.44 | -28.99 | 0.00458 |
| -14.85 | -27.58 | 0.00457 | -27.58 | -14.85 | 0.00152 |
| -28.99 | -13.44 | 0.00146 | -30.41 | -12.02 | 0.00142 |
| -31.82 | -10.61 | 0.00138 | -33.23 | -9.19  | 0.00135 |
| -35.36 | -7.07  | 0.00130 | -38.89 | -3.54  | 0.00122 |
| -42.43 | 0.00   | 0.00114 | -49.50 | 7.07   | 0.00099 |
| -56.57 | 14.14  | 0.00084 | -63.64 | 21.21  | 0.00071 |
| -70.71 | 28.28  | 0.00061 | -77.78 | 35.36  | 0.00052 |
| -84.85 | 42.43  | 0.00045 | -91.92 | 49.50  | 0.00039 |
| 42.43  | -98.99 | 0.00126 | 35.36  | -91.92 | 0.00141 |
| 28.28  | -84.85 | 0.00157 | 21.21  | -77.78 | 0.00176 |
| 14.14  | -70.71 | 0.00198 | 7.07   | -63.64 | 0.00221 |
| 0.00   | -56.57 | 0.00245 | -7.07  | -49.50 | 0.00270 |
| -10.61 | -45.96 | 0.00283 | -14.14 | -42.43 | 0.00296 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 74  
 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      | 0.00306 | -17.68      | -38.89      | 0.00313 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -19.09  | -37.48  | 0.00321 | -20.51  | -36.06  | 0.00332 |
| -21.92  | -34.65  | 0.00346 | -34.65  | -21.92  | 0.00134 |
| -36.06  | -20.51  | 0.00128 | -37.48  | -19.09  | 0.00123 |
| -38.89  | -17.68  | 0.00120 | -40.31  | -16.26  | 0.00116 |
| -42.43  | -14.14  | 0.00112 | -45.96  | -10.61  | 0.00105 |
| -49.50  | -7.07   | 0.00099 | -56.57  | 0.00    | 0.00086 |
| -63.64  | 7.07    | 0.00075 | -70.71  | 14.14   | 0.00064 |
| -77.78  | 21.21   | 0.00056 | -84.85  | 28.28   | 0.00048 |
| -91.92  | 35.36   | 0.00042 | -98.99  | 42.43   | 0.00037 |
| 35.36   | -106.07 | 0.00104 | 28.28   | -98.99  | 0.00113 |
| 21.21   | -91.92  | 0.00123 | 14.14   | -84.85  | 0.00134 |
| 7.07    | -77.78  | 0.00144 | 0.00    | -70.71  | 0.00152 |
| -7.07   | -63.64  | 0.00157 | -14.14  | -56.57  | 0.00155 |
| -17.68  | -53.03  | 0.00151 | -21.21  | -49.50  | 0.00143 |
| -23.33  | -47.38  | 0.00137 | -24.75  | -45.96  | 0.00132 |
| -26.16  | -44.55  | 0.00127 | -27.58  | -43.13  | 0.00122 |
| -28.99  | -41.72  | 0.00116 | -41.72  | -28.99  | 0.00086 |
| -43.13  | -27.58  | 0.00085 | -44.55  | -26.16  | 0.00084 |
| -45.96  | -24.75  | 0.00083 | -47.38  | -23.33  | 0.00083 |
| -49.50  | -21.21  | 0.00081 | -53.03  | -17.68  | 0.00079 |
| -56.57  | -14.14  | 0.00077 | -63.64  | -7.07   | 0.00070 |
| -70.71  | 0.00    | 0.00063 | -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 | 0.00085 | 21.21   | -106.07 | 0.00090 |
| 14.14   | -98.99  | 0.00096 | 7.07    | -91.92  | 0.00101 |
| 0.00    | -84.85  | 0.00105 | -7.07   | -77.78  | 0.00106 |
| -14.14  | -70.71  | 0.00104 | -21.21  | -63.64  | 0.00097 |
| -24.75  | -60.10  | 0.00092 | -28.28  | -56.57  | 0.00086 |
| -30.41  | -54.45  | 0.00083 | -31.82  | -53.03  | 0.00081 |
| -33.23  | -51.62  | 0.00079 | -34.65  | -50.20  | 0.00078 |
| -36.06  | -48.79  | 0.00077 | -48.79  | -36.06  | 0.00065 |
| -50.20  | -34.65  | 0.00062 | -51.62  | -33.23  | 0.00061 |
| -53.03  | -31.82  | 0.00060 | -54.45  | -30.41  | 0.00059 |
| -56.57  | -28.28  | 0.00058 | -60.10  | -24.75  | 0.00058 |
| -63.64  | -21.21  | 0.00057 | -70.71  | -14.14  | 0.00055 |
| -77.78  | -7.07   | 0.00052 | -84.85  | 0.00    | 0.00047 |
| -91.92  | 7.07    | 0.00042 | -98.99  | 14.14   | 0.00038 |
| -106.07 | 21.21   | 0.00034 | -113.14 | 28.28   | 0.00031 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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

\*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 75

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     | 0.00069 | 14.14              | -113.14     | 0.00072 |
| 7.07             | -106.07     | 0.00075 | 0.00               | -98.99      | 0.00077 |
| -7.07            | -91.92      | 0.00077 | -14.14             | -84.85      | 0.00076 |
| -21.21           | -77.78      | 0.00073 | -28.28             | -70.71      | 0.00068 |
| -31.82           | -67.18      | 0.00065 | -35.36             | -63.64      | 0.00063 |
| -37.48           | -61.52      | 0.00062 | -38.89             | -60.10      | 0.00062 |
| -40.31           | -58.69      | 0.00062 | -41.72             | -57.28      | 0.00062 |
| -43.13           | -55.86      | 0.00062 | -55.86             | -43.13      | 0.00055 |
| -57.28           | -41.72      | 0.00052 | -58.69             | -40.31      | 0.00050 |
| -60.10           | -38.89      | 0.00048 | -61.52             | -37.48      | 0.00047 |
| -63.64           | -35.36      | 0.00046 | -67.18             | -31.82      | 0.00044 |
| -70.71           | -28.28      | 0.00044 | -77.78             | -21.21      | 0.00043 |
| -84.85           | -14.14      | 0.00042 | -91.92             | -7.07       | 0.00039 |
| -98.99           | 0.00        | 0.00036 | -106.07            | 7.07        | 0.00033 |
| -113.14          | 14.14       | 0.00030 | -120.21            | 21.21       | 0.00028 |
| 14.14            | -127.28     | 0.00056 | 7.07               | -120.21     | 0.00058 |
| 0.00             | -113.14     | 0.00059 | -7.07              | -106.07     | 0.00059 |
| -14.14           | -98.99      | 0.00058 | -21.21             | -91.92      | 0.00056 |
| -28.28           | -84.85      | 0.00054 | -35.36             | -77.78      | 0.00051 |
| -38.89           | -74.25      | 0.00051 | -42.43             | -70.71      | 0.00051 |
| -44.55           | -68.59      | 0.00051 | -45.96             | -67.18      | 0.00051 |
| -47.38           | -65.76      | 0.00051 | -48.79             | -64.35      | 0.00051 |
| -50.20           | -62.93      | 0.00051 | -62.93             | -50.20      | 0.00047 |
| -64.35           | -48.79      | 0.00045 | -65.76             | -47.38      | 0.00043 |
| -67.18           | -45.96      | 0.00041 | -68.59             | -44.55      | 0.00040 |
| -70.71           | -42.43      | 0.00038 | -74.25             | -38.89      | 0.00036 |
| -77.78           | -35.36      | 0.00035 | -84.85             | -28.28      | 0.00034 |
| -91.92           | -21.21      | 0.00033 | -98.99             | -14.14      | 0.00032 |
| -106.07          | -7.07       | 0.00031 | -113.14            | 0.00        | 0.00029 |
| -120.21          | 7.07        | 0.00027 | -127.28            | 14.14       | 0.00025 |
| 7.07             | -134.35     | 0.00046 | 0.00               | -127.28     | 0.00046 |
| -7.07            | -120.21     | 0.00046 | -14.14             | -113.14     | 0.00046 |
| -21.21           | -106.07     | 0.00045 | -28.28             | -98.99      | 0.00044 |
| -35.36           | -91.92      | 0.00042 | -42.43             | -84.85      | 0.00041 |
| -45.96           | -81.32      | 0.00042 | -49.50             | -77.78      | 0.00042 |
| -51.62           | -75.66      | 0.00043 | -53.03             | -74.25      | 0.00043 |
| -54.45           | -72.83      | 0.00043 | -55.86             | -71.42      | 0.00043 |
| -57.28           | -70.00      | 0.00043 | -70.00             | -57.28      | 0.00041 |
| -71.42           | -55.86      | 0.00039 | -72.83             | -54.45      | 0.00038 |

-74.25      -53.03      0.00036      -75.66      -51.62      0.00035

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

14:41:32

\*\*MODELOPTs:  
 PAGE 76

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      | 0.00033 | -81.32      | -45.96      | 0.00030 |
| -84.85      | -42.43      | 0.00029 | -91.92      | -35.36      | 0.00028 |
| -98.99      | -28.28      | 0.00027 | -106.07     | -21.21      | 0.00026 |
| -113.14     | -14.14      | 0.00026 | -120.21     | -7.07       | 0.00024 |
| -127.28     | 0.00        | 0.00023 | -134.35     | 7.07        | 0.00022 |
| 0.00        | -141.42     | 0.00038 | -7.07       | -134.35     | 0.00038 |
| -14.14      | -127.28     | 0.00037 | -21.21      | -120.21     | 0.00037 |
| -28.28      | -113.14     | 0.00036 | -35.36      | -106.07     | 0.00035 |
| -42.43      | -98.99      | 0.00034 | -49.50      | -91.92      | 0.00035 |
| -53.03      | -88.39      | 0.00035 | -56.57      | -84.85      | 0.00036 |
| -58.69      | -82.73      | 0.00036 | -60.10      | -81.32      | 0.00036 |
| -61.52      | -79.90      | 0.00036 | -62.93      | -78.49      | 0.00036 |
| -64.35      | -77.07      | 0.00036 | -77.07      | -64.35      | 0.00035 |
| -78.49      | -62.93      | 0.00034 | -79.90      | -61.52      | 0.00033 |
| -81.32      | -60.10      | 0.00032 | -82.73      | -58.69      | 0.00031 |
| -84.85      | -56.57      | 0.00029 | -88.39      | -53.03      | 0.00026 |
| -91.92      | -49.50      | 0.00025 | -98.99      | -42.43      | 0.00023 |
| -106.07     | -35.36      | 0.00023 | -113.14     | -28.28      | 0.00022 |
| -120.21     | -21.21      | 0.00021 | -127.28     | -14.14      | 0.00021 |
| -134.35     | -7.07       | 0.00020 | -141.42     | 0.00        | 0.00019 |
| -7.07       | -148.49     | 0.00031 | -14.14      | -141.42     | 0.00031 |
| -21.21      | -134.35     | 0.00031 | -28.28      | -127.28     | 0.00030 |
| -35.36      | -120.21     | 0.00029 | -42.43      | -113.14     | 0.00029 |
| -49.50      | -106.07     | 0.00029 | -56.57      | -98.99      | 0.00030 |
| -60.10      | -95.46      | 0.00030 | -63.64      | -91.92      | 0.00030 |
| -65.76      | -89.80      | 0.00031 | -67.18      | -88.39      | 0.00031 |
| -68.59      | -86.97      | 0.00031 | -70.00      | -85.56      | 0.00031 |
| -71.42      | -84.15      | 0.00031 | -84.15      | -71.42      | 0.00030 |
| -85.56      | -70.00      | 0.00030 | -86.97      | -68.59      | 0.00029 |
| -88.39      | -67.18      | 0.00028 | -89.80      | -65.76      | 0.00027 |
| -91.92      | -63.64      | 0.00026 | -95.46      | -60.10      | 0.00023 |
| -98.99      | -56.57      | 0.00022 | -106.07     | -49.50      | 0.00020 |
| -113.14     | -42.43      | 0.00019 | -120.21     | -35.36      | 0.00019 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -127.28 | -28.28  | 0.00018 | -134.35 | -21.21  | 0.00018 |
| -141.42 | -14.14  | 0.00017 | -148.49 | -7.07   | 0.00016 |
| -14.14  | -155.56 | 0.00026 | -21.21  | -148.49 | 0.00026 |
| -28.28  | -141.42 | 0.00025 | -35.36  | -134.35 | 0.00025 |
| -42.43  | -127.28 | 0.00024 | -49.50  | -120.21 | 0.00024 |
| -56.57  | -113.14 | 0.00025 | -63.64  | -106.07 | 0.00026 |
| -67.18  | -102.53 | 0.00026 | -70.71  | -98.99  | 0.00026 |

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

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

14:41:32

\*\*MODELOPTs:  
PAGE 77

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      | 0.00026 | -74.25      | -95.46      | 0.00026 |
| -75.66      | -94.05      | 0.00026 | -77.07      | -92.63      | 0.00027 |
| -78.49      | -91.22      | 0.00027 | -91.22      | -78.49      | 0.00026 |
| -92.63      | -77.07      | 0.00026 | -94.05      | -75.66      | 0.00025 |
| -95.46      | -74.25      | 0.00025 | -96.87      | -72.83      | 0.00024 |
| -98.99      | -70.71      | 0.00023 | -102.53     | -67.18      | 0.00021 |
| -106.07     | -63.64      | 0.00019 | -113.14     | -56.57      | 0.00017 |
| -120.21     | -49.50      | 0.00017 | -127.28     | -42.43      | 0.00016 |
| -134.35     | -35.36      | 0.00016 | -141.42     | -28.28      | 0.00015 |
| -148.49     | -21.21      | 0.00015 | -155.56     | -14.14      | 0.00014 |
| -21.21      | -162.63     | 0.00022 | -28.28      | -155.56     | 0.00022 |
| -35.36      | -148.49     | 0.00021 | -42.43      | -141.42     | 0.00021 |
| -49.50      | -134.35     | 0.00021 | -56.57      | -127.28     | 0.00021 |
| -63.64      | -120.21     | 0.00022 | -70.71      | -113.14     | 0.00023 |
| -74.25      | -109.60     | 0.00023 | -77.78      | -106.07     | 0.00023 |
| -79.90      | -103.94     | 0.00023 | -81.32      | -102.53     | 0.00023 |
| -82.73      | -101.12     | 0.00023 | -84.15      | -99.70      | 0.00023 |
| -85.56      | -98.29      | 0.00023 | -98.29      | -85.56      | 0.00023 |
| -99.70      | -84.15      | 0.00023 | -101.12     | -82.73      | 0.00022 |
| -102.53     | -81.32      | 0.00022 | -103.94     | -79.90      | 0.00021 |
| -106.07     | -77.78      | 0.00021 | -109.60     | -74.25      | 0.00019 |
| -113.14     | -70.71      | 0.00017 | -120.21     | -63.64      | 0.00015 |
| -127.28     | -56.57      | 0.00014 | -134.35     | -49.50      | 0.00014 |
| -141.42     | -42.43      | 0.00014 | -148.49     | -35.36      | 0.00014 |
| -155.56     | -28.28      | 0.00013 | -162.63     | -21.21      | 0.00013 |
| -28.28      | -169.71     | 0.00019 | -35.36      | -162.63     | 0.00019 |
| -42.43      | -155.56     | 0.00018 | -49.50      | -148.49     | 0.00018 |



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -56.57  | -141.42 | 0.00018 | -63.64  | -134.35 | 0.00019 |
| -70.71  | -127.28 | 0.00019 | -77.78  | -120.21 | 0.00020 |
| -81.32  | -116.67 | 0.00020 | -84.85  | -113.14 | 0.00020 |
| -86.97  | -111.02 | 0.00020 | -88.39  | -109.60 | 0.00020 |
| -89.80  | -108.19 | 0.00020 | -91.22  | -106.77 | 0.00020 |
| -92.63  | -105.36 | 0.00020 | -105.36 | -92.63  | 0.00020 |
| -106.77 | -91.22  | 0.00020 | -108.19 | -89.80  | 0.00020 |
| -109.60 | -88.39  | 0.00020 | -111.02 | -86.97  | 0.00019 |
| -113.14 | -84.85  | 0.00018 | -116.67 | -81.32  | 0.00017 |
| -120.21 | -77.78  | 0.00016 | -127.28 | -70.71  | 0.00014 |
| -134.35 | -63.64  | 0.00013 | -141.42 | -56.57  | 0.00012 |
| -148.49 | -49.50  | 0.00012 | -155.56 | -42.43  | 0.00012 |
| -162.63 | -35.36  | 0.00012 | -169.71 | -28.28  | 0.00011 |

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 78

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     | 0.00016 | -42.43      | -169.71     | 0.00016 |
| -49.50      | -162.63     | 0.00016 | -56.57      | -155.56     | 0.00016 |
| -63.64      | -148.49     | 0.00016 | -70.71      | -141.42     | 0.00017 |
| -77.78      | -134.35     | 0.00017 | -84.85      | -127.28     | 0.00017 |
| -88.39      | -123.74     | 0.00018 | -91.92      | -120.21     | 0.00018 |
| -94.05      | -118.09     | 0.00018 | -95.46      | -116.67     | 0.00018 |
| -96.87      | -115.26     | 0.00018 | -98.29      | -113.84     | 0.00018 |
| -99.70      | -112.43     | 0.00018 | -112.43     | -99.70      | 0.00018 |
| -113.84     | -98.29      | 0.00018 | -115.26     | -96.87      | 0.00018 |
| -116.67     | -95.46      | 0.00017 | -118.09     | -94.05      | 0.00017 |
| -120.21     | -91.92      | 0.00017 | -123.74     | -88.39      | 0.00016 |
| -127.28     | -84.85      | 0.00015 | -134.35     | -77.78      | 0.00013 |
| -141.42     | -70.71      | 0.00011 | -148.49     | -63.64      | 0.00011 |
| -155.56     | -56.57      | 0.00011 | -162.63     | -49.50      | 0.00011 |
| -169.71     | -42.43      | 0.00011 | -176.78     | -35.36      | 0.00010 |
| -42.43      | -183.85     | 0.00014 | -49.50      | -176.78     | 0.00014 |
| -56.57      | -169.71     | 0.00014 | -63.64      | -162.63     | 0.00014 |
| -70.71      | -155.56     | 0.00015 | -77.78      | -148.49     | 0.00015 |
| -84.85      | -141.42     | 0.00015 | -91.92      | -134.35     | 0.00016 |
| -95.46      | -130.81     | 0.00016 | -98.99      | -127.28     | 0.00016 |
| -101.12     | -125.16     | 0.00016 | -102.53     | -123.74     | 0.00016 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -103.94 | -122.33 | 0.00016 | -105.36 | -120.92 | 0.00016 |
| -106.77 | -119.50 | 0.00016 | -119.50 | -106.77 | 0.00016 |
| -120.92 | -105.36 | 0.00016 | -122.33 | -103.94 | 0.00016 |
| -123.74 | -102.53 | 0.00016 | -125.16 | -101.12 | 0.00015 |
| -127.28 | -98.99  | 0.00015 | -130.81 | -95.46  | 0.00014 |
| -134.35 | -91.92  | 0.00013 | -141.42 | -84.85  | 0.00012 |
| -148.49 | -77.78  | 0.00010 | -155.56 | -70.71  | 0.00010 |
| -162.63 | -63.64  | 0.00010 | -169.71 | -56.57  | 0.00010 |
| -176.78 | -49.50  | 0.00010 | -183.85 | -42.43  | 0.00009 |
| -49.50  | -190.92 | 0.00012 | -56.57  | -183.85 | 0.00012 |
| -63.64  | -176.78 | 0.00013 | -70.71  | -169.71 | 0.00013 |
| -77.78  | -162.63 | 0.00013 | -84.85  | -155.56 | 0.00014 |
| -91.92  | -148.49 | 0.00014 | -98.99  | -141.42 | 0.00014 |
| -102.53 | -137.89 | 0.00014 | -106.07 | -134.35 | 0.00014 |
| -108.19 | -132.23 | 0.00014 | -109.60 | -130.81 | 0.00014 |
| -111.02 | -129.40 | 0.00014 | -112.43 | -127.99 | 0.00014 |
| -113.84 | -126.57 | 0.00014 | -126.57 | -113.84 | 0.00014 |
| -127.99 | -112.43 | 0.00014 | -129.40 | -111.02 | 0.00014 |
| -130.81 | -109.60 | 0.00014 | -132.23 | -108.19 | 0.00014 |

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

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 79

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     | -106.07     | 0.00014 | -137.89     | -102.53     | 0.00013 |
| -141.42     | -98.99      | 0.00012 | -148.49     | -91.92      | 0.00011 |
| -155.56     | -84.85      | 0.00010 | -162.63     | -77.78      | 0.00009 |
| -169.71     | -70.71      | 0.00009 | -176.78     | -63.64      | 0.00009 |
| -183.85     | -56.57      | 0.00009 | -190.92     | -49.50      | 0.00008 |
| -56.57      | -197.99     | 0.00011 | -63.64      | -190.92     | 0.00011 |
| -70.71      | -183.85     | 0.00011 | -77.78      | -176.78     | 0.00012 |
| -84.85      | -169.71     | 0.00012 | -91.92      | -162.63     | 0.00012 |
| -98.99      | -155.56     | 0.00012 | -106.07     | -148.49     | 0.00013 |
| -109.60     | -144.96     | 0.00013 | -113.14     | -141.42     | 0.00013 |
| -115.26     | -139.30     | 0.00013 | -116.67     | -137.89     | 0.00013 |
| -118.09     | -136.47     | 0.00013 | -119.50     | -135.06     | 0.00013 |
| -120.92     | -133.64     | 0.00013 | -133.64     | -120.92     | 0.00013 |
| -135.06     | -119.50     | 0.00013 | -136.47     | -118.09     | 0.00013 |
| -137.89     | -116.67     | 0.00013 | -139.30     | -115.26     | 0.00013 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -141.42 | -113.14 | 0.00012 | -144.96 | -109.60 | 0.00012 |
| -148.49 | -106.07 | 0.00011 | -155.56 | -98.99  | 0.00010 |
| -162.63 | -91.92  | 0.00009 | -169.71 | -84.85  | 0.00008 |
| -176.78 | -77.78  | 0.00008 | -183.85 | -70.71  | 0.00008 |
| -190.92 | -63.64  | 0.00008 | -197.99 | -56.57  | 0.00008 |
| -63.64  | -205.06 | 0.00010 | -70.71  | -197.99 | 0.00010 |
| -77.78  | -190.92 | 0.00010 | -84.85  | -183.85 | 0.00011 |
| -91.92  | -176.78 | 0.00011 | -98.99  | -169.71 | 0.00011 |
| -106.07 | -162.63 | 0.00011 | -113.14 | -155.56 | 0.00011 |
| -116.67 | -152.03 | 0.00011 | -120.21 | -148.49 | 0.00012 |
| -122.33 | -146.37 | 0.00012 | -123.74 | -144.96 | 0.00012 |
| -125.16 | -143.54 | 0.00012 | -126.57 | -142.13 | 0.00012 |
| -127.99 | -140.71 | 0.00012 | -140.71 | -127.99 | 0.00012 |
| -142.13 | -126.57 | 0.00012 | -143.54 | -125.16 | 0.00012 |
| -144.96 | -123.74 | 0.00012 | -146.37 | -122.33 | 0.00011 |
| -148.49 | -120.21 | 0.00011 | -152.03 | -116.67 | 0.00011 |
| -155.56 | -113.14 | 0.00010 | -162.63 | -106.07 | 0.00009 |
| -169.71 | -98.99  | 0.00008 | -176.78 | -91.92  | 0.00007 |
| -183.85 | -84.85  | 0.00007 | -190.92 | -77.78  | 0.00007 |
| -197.99 | -70.71  | 0.00007 | -205.06 | -63.64  | 0.00007 |
| -70.71  | -212.13 | 0.00009 | -77.78  | -205.06 | 0.00009 |
| -84.85  | -197.99 | 0.00010 | -91.92  | -190.92 | 0.00010 |
| -98.99  | -183.85 | 0.00010 | -106.07 | -176.78 | 0.00010 |
| -113.14 | -169.71 | 0.00010 | -120.21 | -162.63 | 0.00010 |
| -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      \*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 80

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     | 0.00011 | -130.81     | -152.03     | 0.00011 |
| -132.23     | -150.61     | 0.00011 | -133.64     | -149.20     | 0.00011 |
| -135.06     | -147.79     | 0.00011 | -147.79     | -135.06     | 0.00011 |
| -149.20     | -133.64     | 0.00011 | -150.61     | -132.23     | 0.00011 |
| -152.03     | -130.81     | 0.00011 | -153.44     | -129.40     | 0.00010 |
| -155.56     | -127.28     | 0.00010 | -159.10     | -123.74     | 0.00010 |
| -162.63     | -120.21     | 0.00010 | -169.71     | -113.14     | 0.00009 |
| -176.78     | -106.07     | 0.00008 | -183.85     | -98.99      | 0.00007 |
| -190.92     | -91.92      | 0.00006 | -197.99     | -84.85      | 0.00006 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -205.06 | -77.78  | 0.00006 | -212.13 | -70.71  | 0.00006 |
| -77.78  | -219.20 | 0.00008 | -84.85  | -212.13 | 0.00009 |
| -91.92  | -205.06 | 0.00009 | -98.99  | -197.99 | 0.00009 |
| -106.07 | -190.92 | 0.00009 | -113.14 | -183.85 | 0.00009 |
| -120.21 | -176.78 | 0.00009 | -127.28 | -169.71 | 0.00009 |
| -130.81 | -166.17 | 0.00010 | -134.35 | -162.63 | 0.00010 |
| -136.47 | -160.51 | 0.00010 | -137.89 | -159.10 | 0.00010 |
| -139.30 | -157.68 | 0.00010 | -140.71 | -156.27 | 0.00010 |
| -142.13 | -154.86 | 0.00010 | -154.86 | -142.13 | 0.00010 |
| -156.27 | -140.71 | 0.00010 | -157.68 | -139.30 | 0.00010 |
| -159.10 | -137.89 | 0.00010 | -160.51 | -136.47 | 0.00010 |
| -162.63 | -134.35 | 0.00010 | -166.17 | -130.81 | 0.00009 |
| -169.71 | -127.28 | 0.00009 | -176.78 | -120.21 | 0.00008 |
| -183.85 | -113.14 | 0.00007 | -190.92 | -106.07 | 0.00007 |
| -197.99 | -98.99  | 0.00006 | -205.06 | -91.92  | 0.00006 |
| -212.13 | -84.85  | 0.00006 | -219.20 | -77.78  | 0.00006 |
| -84.85  | -226.27 | 0.00008 | -91.92  | -219.20 | 0.00008 |
| -98.99  | -212.13 | 0.00008 | -106.07 | -205.06 | 0.00008 |
| -113.14 | -197.99 | 0.00009 | -120.21 | -190.92 | 0.00009 |
| -127.28 | -183.85 | 0.00009 | -134.35 | -176.78 | 0.00009 |
| -137.89 | -173.24 | 0.00009 | -141.42 | -169.71 | 0.00009 |
| -143.54 | -167.58 | 0.00009 | -144.96 | -166.17 | 0.00009 |
| -146.37 | -164.76 | 0.00009 | -147.79 | -163.34 | 0.00009 |
| -149.20 | -161.93 | 0.00009 | -161.93 | -149.20 | 0.00009 |
| -163.34 | -147.79 | 0.00009 | -164.76 | -146.37 | 0.00009 |
| -166.17 | -144.96 | 0.00009 | -167.58 | -143.54 | 0.00009 |
| -169.71 | -141.42 | 0.00009 | -173.24 | -137.89 | 0.00009 |
| -176.78 | -134.35 | 0.00008 | -183.85 | -127.28 | 0.00008 |
| -190.92 | -120.21 | 0.00007 | -197.99 | -113.14 | 0.00006 |
| -205.06 | -106.07 | 0.00006 | -212.13 | -98.99  | 0.00005 |
| -219.20 | -91.92  | 0.00005 | -226.27 | -84.85  | 0.00005 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 81

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     | 0.00007 | -98.99      | -226.27     | 0.00007 |
| -106.07     | -219.20     | 0.00008 | -113.14     | -212.13     | 0.00008 |
| -120.21     | -205.06     | 0.00008 | -127.28     | -197.99     | 0.00008 |

11NCRA\_PL91-300\_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 | 0.00008 |
| -150.61 | -174.66 | 0.00008 | -152.03 | -173.24 | 0.00008 |
| -153.44 | -171.83 | 0.00008 | -154.86 | -170.41 | 0.00008 |
| -156.27 | -169.00 | 0.00008 | -169.00 | -156.27 | 0.00008 |
| -170.41 | -154.86 | 0.00008 | -171.83 | -153.44 | 0.00008 |
| -173.24 | -152.03 | 0.00008 | -174.66 | -150.61 | 0.00008 |
| -176.78 | -148.49 | 0.00008 | -180.31 | -144.96 | 0.00008 |
| -183.85 | -141.42 | 0.00008 | -190.92 | -134.35 | 0.00007 |
| -197.99 | -127.28 | 0.00006 | -205.06 | -120.21 | 0.00006 |
| -212.13 | -113.14 | 0.00005 | -219.20 | -106.07 | 0.00005 |
| -226.27 | -98.99  | 0.00005 | -233.35 | -91.92  | 0.00005 |
| -98.99  | -240.42 | 0.00007 | -106.07 | -233.35 | 0.00007 |
| -113.14 | -226.27 | 0.00007 | -120.21 | -219.20 | 0.00007 |
| -127.28 | -212.13 | 0.00007 | -134.35 | -205.06 | 0.00007 |
| -141.42 | -197.99 | 0.00007 | -148.49 | -190.92 | 0.00007 |
| -152.03 | -187.38 | 0.00007 | -155.56 | -183.85 | 0.00008 |
| -157.68 | -181.73 | 0.00008 | -159.10 | -180.31 | 0.00008 |
| -160.51 | -178.90 | 0.00008 | -161.93 | -177.48 | 0.00008 |
| -163.34 | -176.07 | 0.00008 | -176.07 | -163.34 | 0.00008 |
| -177.48 | -161.93 | 0.00008 | -178.90 | -160.51 | 0.00008 |
| -180.31 | -159.10 | 0.00008 | -181.73 | -157.68 | 0.00008 |
| -183.85 | -155.56 | 0.00008 | -187.38 | -152.03 | 0.00007 |
| -190.92 | -148.49 | 0.00007 | -197.99 | -141.42 | 0.00007 |
| -205.06 | -134.35 | 0.00006 | -212.13 | -127.28 | 0.00006 |
| -219.20 | -120.21 | 0.00005 | -226.27 | -113.14 | 0.00005 |
| -233.35 | -106.07 | 0.00005 | -240.42 | -98.99  | 0.00004 |
| -106.07 | -247.49 | 0.00006 | -113.14 | -240.42 | 0.00007 |
| -120.21 | -233.35 | 0.00007 | -127.28 | -226.27 | 0.00007 |
| -134.35 | -219.20 | 0.00007 | -141.42 | -212.13 | 0.00007 |
| -148.49 | -205.06 | 0.00007 | -155.56 | -197.99 | 0.00007 |
| -159.10 | -194.45 | 0.00007 | -162.63 | -190.92 | 0.00007 |
| -164.76 | -188.80 | 0.00007 | -166.17 | -187.38 | 0.00007 |
| -167.58 | -185.97 | 0.00007 | -169.00 | -184.55 | 0.00007 |
| -170.41 | -183.14 | 0.00007 | -183.14 | -170.41 | 0.00007 |
| -184.55 | -169.00 | 0.00007 | -185.97 | -167.58 | 0.00007 |
| -187.38 | -166.17 | 0.00007 | -188.80 | -164.76 | 0.00007 |

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 82

CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S3  
 INCLUDING SOURCE(S): NCRA\_S3 ,



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 148.49 | 190.92 | 0.00009 | 141.42 | 197.99 | 0.00009 |
| 134.35 | 205.06 | 0.00008 | 127.28 | 212.13 | 0.00007 |
| 120.21 | 219.20 | 0.00007 | 113.14 | 226.27 | 0.00006 |
| 106.07 | 233.35 | 0.00006 | 98.99  | 240.42 | 0.00005 |
| 233.35 | 91.92  | 0.00027 | 226.27 | 98.99  | 0.00025 |
| 219.20 | 106.07 | 0.00024 | 212.13 | 113.14 | 0.00022 |
| 205.06 | 120.21 | 0.00020 | 197.99 | 127.28 | 0.00017 |
| 190.92 | 134.35 | 0.00015 | 183.85 | 141.42 | 0.00013 |
| 180.31 | 144.96 | 0.00013 | 176.78 | 148.49 | 0.00012 |
| 174.66 | 150.61 | 0.00012 | 173.24 | 152.03 | 0.00011 |
| 171.83 | 153.44 | 0.00011 | 170.41 | 154.86 | 0.00011 |
| 169.00 | 156.27 | 0.00011 | 156.27 | 169.00 | 0.00010 |
| 154.86 | 170.41 | 0.00010 | 153.44 | 171.83 | 0.00010 |
| 152.03 | 173.24 | 0.00010 | 150.61 | 174.66 | 0.00010 |

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

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

14:41:32

\*\*MODELOPTs:

PAGE 84

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      | 0.00010 | 144.96      | 180.31      | 0.00010 |
| 141.42      | 183.85      | 0.00010 | 134.35      | 190.92      | 0.00010 |
| 127.28      | 197.99      | 0.00009 | 120.21      | 205.06      | 0.00008 |
| 113.14      | 212.13      | 0.00007 | 106.07      | 219.20      | 0.00007 |
| 99.00       | 226.27      | 0.00006 | 91.92       | 233.35      | 0.00006 |
| 226.27      | 84.85       | 0.00033 | 219.20      | 91.92       | 0.00031 |
| 212.13      | 98.99       | 0.00029 | 205.06      | 106.07      | 0.00027 |
| 197.99      | 113.14      | 0.00024 | 190.92      | 120.21      | 0.00022 |
| 183.85      | 127.28      | 0.00019 | 176.78      | 134.35      | 0.00016 |
| 173.24      | 137.89      | 0.00015 | 169.71      | 141.42      | 0.00014 |
| 167.58      | 143.54      | 0.00014 | 166.17      | 144.96      | 0.00013 |
| 164.76      | 146.37      | 0.00013 | 163.34      | 147.79      | 0.00013 |
| 161.93      | 149.20      | 0.00012 | 149.20      | 161.93      | 0.00011 |
| 147.79      | 163.34      | 0.00011 | 146.37      | 164.76      | 0.00011 |
| 144.96      | 166.17      | 0.00011 | 143.54      | 167.58      | 0.00011 |
| 141.42      | 169.71      | 0.00011 | 137.89      | 173.24      | 0.00011 |
| 134.35      | 176.78      | 0.00011 | 127.28      | 183.85      | 0.00011 |
| 120.21      | 190.92      | 0.00010 | 113.14      | 197.99      | 0.00009 |
| 106.07      | 205.06      | 0.00008 | 99.00       | 212.13      | 0.00007 |
| 91.92       | 219.20      | 0.00007 | 84.85       | 226.27      | 0.00006 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 219.20 | 77.78  | 0.00041 | 212.13 | 84.85  | 0.00039 |
| 205.06 | 91.92  | 0.00037 | 197.99 | 98.99  | 0.00034 |
| 190.92 | 106.07 | 0.00030 | 183.85 | 113.14 | 0.00027 |
| 176.78 | 120.21 | 0.00023 | 169.71 | 127.28 | 0.00020 |
| 166.17 | 130.81 | 0.00018 | 162.63 | 134.35 | 0.00017 |
| 160.51 | 136.47 | 0.00016 | 159.10 | 137.89 | 0.00016 |
| 157.68 | 139.30 | 0.00016 | 156.27 | 140.71 | 0.00015 |
| 154.86 | 142.13 | 0.00015 | 142.13 | 154.86 | 0.00013 |
| 140.71 | 156.27 | 0.00013 | 139.30 | 157.68 | 0.00013 |
| 137.89 | 159.10 | 0.00013 | 136.47 | 160.51 | 0.00013 |
| 134.35 | 162.63 | 0.00013 | 130.81 | 166.17 | 0.00013 |
| 127.28 | 169.71 | 0.00013 | 120.21 | 176.78 | 0.00012 |
| 113.14 | 183.85 | 0.00011 | 106.07 | 190.92 | 0.00010 |
| 99.00  | 197.99 | 0.00009 | 91.92  | 205.06 | 0.00008 |
| 84.85  | 212.13 | 0.00007 | 77.78  | 219.20 | 0.00007 |
| 212.13 | 70.71  | 0.00051 | 205.06 | 77.78  | 0.00050 |
| 197.99 | 84.85  | 0.00047 | 190.92 | 91.92  | 0.00043 |
| 183.85 | 98.99  | 0.00039 | 176.78 | 106.07 | 0.00035 |
| 169.71 | 113.14 | 0.00030 | 162.63 | 120.21 | 0.00025 |
| 159.10 | 123.74 | 0.00023 | 155.56 | 127.28 | 0.00021 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 85  
 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      | 0.00020 | 152.03      | 130.81      | 0.00020 |
| 150.61      | 132.23      | 0.00019 | 149.20      | 133.64      | 0.00018 |
| 147.79      | 135.06      | 0.00018 | 135.06      | 147.79      | 0.00016 |
| 133.64      | 149.20      | 0.00016 | 132.23      | 150.61      | 0.00016 |
| 130.81      | 152.03      | 0.00016 | 129.40      | 153.44      | 0.00016 |
| 127.28      | 155.56      | 0.00016 | 123.74      | 159.10      | 0.00016 |
| 120.21      | 162.63      | 0.00015 | 113.14      | 169.71      | 0.00014 |
| 106.07      | 176.78      | 0.00012 | 98.99       | 183.85      | 0.00011 |
| 91.92       | 190.92      | 0.00010 | 84.85       | 197.99      | 0.00009 |
| 77.78       | 205.06      | 0.00008 | 70.71       | 212.13      | 0.00008 |
| 205.06      | 63.64       | 0.00064 | 197.99      | 70.71       | 0.00063 |
| 190.92      | 77.78       | 0.00061 | 183.85      | 84.85       | 0.00057 |
| 176.78      | 91.92       | 0.00053 | 169.71      | 98.99       | 0.00047 |
| 162.63      | 106.07      | 0.00040 | 155.56      | 113.14      | 0.00033 |



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 152.03 | 116.67 | 0.00030 | 148.49 | 120.21 | 0.00027 |
| 146.37 | 122.33 | 0.00026 | 144.96 | 123.74 | 0.00025 |
| 143.54 | 125.16 | 0.00024 | 142.13 | 126.57 | 0.00023 |
| 140.71 | 127.99 | 0.00022 | 127.99 | 140.71 | 0.00019 |
| 126.57 | 142.13 | 0.00019 | 125.16 | 143.54 | 0.00019 |
| 123.74 | 144.96 | 0.00019 | 122.33 | 146.37 | 0.00019 |
| 120.21 | 148.49 | 0.00019 | 116.67 | 152.03 | 0.00019 |
| 113.14 | 155.56 | 0.00018 | 106.07 | 162.63 | 0.00016 |
| 98.99  | 169.71 | 0.00014 | 91.92  | 176.78 | 0.00012 |
| 84.85  | 183.85 | 0.00011 | 77.78  | 190.92 | 0.00010 |
| 70.71  | 197.99 | 0.00010 | 63.64  | 205.06 | 0.00009 |
| 197.99 | 56.57  | 0.00080 | 190.92 | 63.64  | 0.00080 |
| 183.85 | 70.71  | 0.00079 | 176.78 | 77.78  | 0.00077 |
| 169.71 | 84.85  | 0.00072 | 162.63 | 91.92  | 0.00065 |
| 155.56 | 98.99  | 0.00056 | 148.49 | 106.07 | 0.00046 |
| 144.96 | 109.60 | 0.00041 | 141.42 | 113.14 | 0.00036 |
| 139.30 | 115.26 | 0.00034 | 137.89 | 116.67 | 0.00032 |
| 136.47 | 118.09 | 0.00031 | 135.06 | 119.50 | 0.00030 |
| 133.64 | 120.92 | 0.00028 | 120.92 | 133.64 | 0.00023 |
| 119.50 | 135.06 | 0.00024 | 118.09 | 136.47 | 0.00024 |
| 116.67 | 137.89 | 0.00024 | 115.26 | 139.30 | 0.00024 |
| 113.14 | 141.42 | 0.00023 | 109.60 | 144.96 | 0.00022 |
| 106.07 | 148.49 | 0.00021 | 98.99  | 155.56 | 0.00018 |
| 91.92  | 162.63 | 0.00016 | 84.85  | 169.71 | 0.00014 |
| 77.78  | 176.78 | 0.00013 | 70.71  | 183.85 | 0.00012 |
| 63.64  | 190.92 | 0.00011 | 56.57  | 197.99 | 0.00011 |

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

04/20/08

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

14:41:32

\*\*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       | 0.00099 | 183.85      | 56.57       | 0.00102 |
| 176.78      | 63.64       | 0.00103 | 169.71      | 70.71       | 0.00103 |
| 162.63      | 77.78       | 0.00100 | 155.56      | 84.85       | 0.00094 |
| 148.49      | 91.92       | 0.00082 | 141.42      | 98.99       | 0.00067 |
| 137.89      | 102.53      | 0.00060 | 134.35      | 106.07      | 0.00052 |
| 132.23      | 108.19      | 0.00047 | 130.81      | 109.60      | 0.00045 |
| 129.40      | 111.02      | 0.00042 | 127.99      | 112.43      | 0.00040 |
| 126.57      | 113.84      | 0.00038 | 113.84      | 126.57      | 0.00030 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 112.43 | 127.99 | 0.00030 | 111.02 | 129.40 | 0.00030 |
| 109.60 | 130.81 | 0.00030 | 108.19 | 132.23 | 0.00029 |
| 106.07 | 134.35 | 0.00028 | 102.53 | 137.89 | 0.00027 |
| 98.99  | 141.42 | 0.00025 | 91.92  | 148.49 | 0.00021 |
| 84.85  | 155.56 | 0.00019 | 77.78  | 162.63 | 0.00017 |
| 70.71  | 169.71 | 0.00016 | 63.64  | 176.78 | 0.00015 |
| 56.57  | 183.85 | 0.00014 | 49.50  | 190.92 | 0.00013 |
| 183.85 | 42.43  | 0.00122 | 176.78 | 49.50  | 0.00129 |
| 169.71 | 56.57  | 0.00134 | 162.63 | 63.64  | 0.00138 |
| 155.56 | 70.71  | 0.00140 | 148.49 | 77.78  | 0.00137 |
| 141.42 | 84.85  | 0.00127 | 134.35 | 91.92  | 0.00108 |
| 130.81 | 95.46  | 0.00095 | 127.28 | 98.99  | 0.00081 |
| 125.16 | 101.12 | 0.00073 | 123.74 | 102.53 | 0.00068 |
| 122.33 | 103.94 | 0.00063 | 120.92 | 105.36 | 0.00058 |
| 119.50 | 106.77 | 0.00054 | 106.77 | 119.50 | 0.00039 |
| 105.36 | 120.92 | 0.00039 | 103.94 | 122.33 | 0.00038 |
| 102.53 | 123.74 | 0.00037 | 101.12 | 125.16 | 0.00036 |
| 98.99  | 127.28 | 0.00035 | 95.46  | 130.81 | 0.00032 |
| 91.92  | 134.35 | 0.00030 | 84.85  | 141.42 | 0.00026 |
| 77.78  | 148.49 | 0.00024 | 70.71  | 155.56 | 0.00021 |
| 63.64  | 162.63 | 0.00020 | 56.57  | 169.71 | 0.00018 |
| 49.50  | 176.78 | 0.00017 | 42.43  | 183.85 | 0.00016 |
| 176.78 | 35.36  | 0.00148 | 169.71 | 42.43  | 0.00160 |
| 162.63 | 49.50  | 0.00172 | 155.56 | 56.57  | 0.00183 |
| 148.49 | 63.64  | 0.00194 | 141.42 | 70.71  | 0.00200 |
| 134.35 | 77.78  | 0.00199 | 127.28 | 84.85  | 0.00184 |
| 123.74 | 88.39  | 0.00169 | 120.21 | 91.92  | 0.00148 |
| 118.09 | 94.05  | 0.00132 | 116.67 | 95.46  | 0.00121 |
| 115.26 | 96.87  | 0.00110 | 113.84 | 98.29  | 0.00099 |
| 112.43 | 99.70  | 0.00089 | 99.70  | 112.43 | 0.00052 |
| 98.29  | 113.84 | 0.00051 | 96.87  | 115.26 | 0.00049 |
| 95.46  | 116.67 | 0.00048 | 94.05  | 118.09 | 0.00047 |

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

14:41:32  
 \*\*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      | 0.00045 | 88.39       | 123.74      | 0.00042 |
| 84.85       | 127.28      | 0.00039 | 77.78       | 134.35      | 0.00035 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 70.71  | 141.42 | 0.00031 | 63.64  | 148.49 | 0.00028 |
| 56.57  | 155.56 | 0.00025 | 49.50  | 162.63 | 0.00023 |
| 42.43  | 169.71 | 0.00021 | 35.36  | 176.78 | 0.00019 |
| 169.71 | 28.28  | 0.00172 | 162.63 | 35.36  | 0.00190 |
| 155.56 | 42.43  | 0.00210 | 148.49 | 49.50  | 0.00232 |
| 141.42 | 56.57  | 0.00255 | 134.35 | 63.64  | 0.00279 |
| 127.28 | 70.71  | 0.00300 | 120.21 | 77.78  | 0.00311 |
| 116.67 | 81.32  | 0.00308 | 113.14 | 84.85  | 0.00295 |
| 111.02 | 86.97  | 0.00281 | 109.60 | 88.39  | 0.00267 |
| 108.19 | 89.80  | 0.00250 | 106.77 | 91.22  | 0.00229 |
| 105.36 | 92.63  | 0.00203 | 92.63  | 105.36 | 0.00073 |
| 91.22  | 106.77 | 0.00072 | 89.80  | 108.19 | 0.00070 |
| 88.39  | 109.60 | 0.00069 | 86.97  | 111.02 | 0.00067 |
| 84.85  | 113.14 | 0.00065 | 81.32  | 116.67 | 0.00061 |
| 77.78  | 120.21 | 0.00056 | 70.71  | 127.28 | 0.00048 |
| 63.64  | 134.35 | 0.00042 | 56.57  | 141.42 | 0.00036 |
| 49.50  | 148.49 | 0.00032 | 42.43  | 155.56 | 0.00028 |
| 35.36  | 162.63 | 0.00025 | 28.28  | 169.71 | 0.00023 |
| 162.63 | 21.21  | 0.00191 | 155.56 | 28.28  | 0.00215 |
| 148.49 | 35.36  | 0.00242 | 141.42 | 42.43  | 0.00272 |
| 134.35 | 49.50  | 0.00307 | 127.28 | 56.57  | 0.00346 |
| 120.21 | 63.64  | 0.00387 | 113.14 | 70.71  | 0.00426 |
| 109.60 | 74.25  | 0.00441 | 106.07 | 77.78  | 0.00450 |
| 103.94 | 79.90  | 0.00450 | 102.53 | 81.32  | 0.00448 |
| 101.12 | 82.73  | 0.00445 | 99.70  | 84.15  | 0.00442 |
| 98.29  | 85.56  | 0.00438 | 85.56  | 98.29  | 0.00123 |
| 84.15  | 99.70  | 0.00117 | 82.73  | 101.12 | 0.00111 |
| 81.32  | 102.53 | 0.00107 | 79.90  | 103.94 | 0.00103 |
| 77.78  | 106.07 | 0.00097 | 74.25  | 109.60 | 0.00087 |
| 70.71  | 113.14 | 0.00079 | 63.64  | 120.21 | 0.00065 |
| 56.57  | 127.28 | 0.00055 | 49.50  | 134.35 | 0.00046 |
| 42.43  | 141.42 | 0.00040 | 35.36  | 148.49 | 0.00035 |
| 28.28  | 155.56 | 0.00030 | 21.21  | 162.63 | 0.00027 |
| 155.56 | 14.14  | 0.00205 | 148.49 | 21.21  | 0.00232 |
| 141.42 | 28.28  | 0.00263 | 134.35 | 35.36  | 0.00300 |
| 127.28 | 42.43  | 0.00342 | 120.21 | 49.50  | 0.00389 |
| 113.14 | 56.57  | 0.00438 | 106.07 | 63.64  | 0.00483 |
| 102.53 | 67.18  | 0.00499 | 98.99  | 70.71  | 0.00506 |

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

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

14:41:32  
 \*\*MODELOPTS:  
 PAGE 88

CONC URBAN FLAT FLGPOL DFAULT

\*\*\* THE ANNUAL ( 1 YRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: NCRA\_S4

\*\*\*

11NCRA PL91-300 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       | 0.00504 | 95.46              | 74.25       | 0.00499 |    |
| 94.05            | 75.66       | 0.00492 | 92.63              | 77.07       | 0.00485 |    |
| 91.22            | 78.49       | 0.00476 | 78.49              | 91.22       | 0.00145 |    |
| 77.07            | 92.63       | 0.00140 | 75.66              | 94.05       | 0.00135 |    |
| 74.25            | 95.46       | 0.00131 | 72.83              | 96.87       | 0.00127 |    |
| 70.71            | 98.99       | 0.00120 | 67.18              | 102.53      | 0.00109 |    |
| 63.64            | 106.07      | 0.00098 | 56.57              | 113.14      | 0.00080 |    |
| 49.50            | 120.21      | 0.00066 | 42.43              | 127.28      | 0.00056 |    |
| 35.36            | 134.35      | 0.00047 | 28.28              | 141.42      | 0.00041 |    |
| 21.21            | 148.49      | 0.00035 | 14.14              | 155.56      | 0.00031 |    |
| 148.49           | 7.07        | 0.00211 | 141.42             | 14.14       | 0.00241 |    |
| 134.35           | 21.21       | 0.00275 | 127.28             | 28.28       | 0.00316 |    |
| 120.21           | 35.36       | 0.00362 | 113.14             | 42.43       | 0.00413 |    |
| 106.07           | 49.50       | 0.00465 | 98.99              | 56.57       | 0.00509 |    |
| 95.46            | 60.10       | 0.00523 | 91.92              | 63.64       | 0.00527 |    |
| 89.80            | 65.76       | 0.00523 | 88.39              | 67.18       | 0.00517 |    |
| 86.97            | 68.59       | 0.00509 | 85.56              | 70.00       | 0.00499 |    |
| 84.15            | 71.42       | 0.00489 | 71.42              | 84.15       | 0.00155 |    |
| 70.00            | 85.56       | 0.00150 | 68.59              | 86.97       | 0.00146 |    |
| 67.18            | 88.39       | 0.00142 | 65.76              | 89.80       | 0.00138 |    |
| 63.64            | 91.92       | 0.00132 | 60.10              | 95.46       | 0.00122 |    |
| 56.57            | 98.99       | 0.00111 | 49.50              | 106.07      | 0.00092 |    |
| 42.43            | 113.14      | 0.00076 | 35.36              | 120.21      | 0.00064 |    |
| 28.28            | 127.28      | 0.00054 | 21.21              | 134.35      | 0.00046 |    |
| 14.14            | 141.42      | 0.00039 | 7.07               | 148.49      | 0.00034 |    |
| 141.42           | 0.00        | 0.00212 | 134.35             | 7.07        | 0.00242 |    |
| 127.28           | 14.14       | 0.00278 | 120.21             | 21.21       | 0.00320 |    |
| 113.14           | 28.28       | 0.00369 | 106.07             | 35.36       | 0.00422 |    |
| 98.99            | 42.43       | 0.00475 | 91.92              | 49.50       | 0.00519 |    |
| 88.39            | 53.03       | 0.00532 | 84.85              | 56.57       | 0.00535 |    |
| 82.73            | 58.69       | 0.00530 | 81.32              | 60.10       | 0.00525 |    |
| 79.90            | 61.52       | 0.00517 | 78.49              | 62.93       | 0.00507 |    |
| 77.07            | 64.35       | 0.00498 | 64.35              | 77.07       | 0.00161 |    |
| 62.93            | 78.49       | 0.00155 | 61.52              | 79.90       | 0.00151 |    |
| 60.10            | 81.32       | 0.00147 | 58.69              | 82.73       | 0.00144 |    |
| 56.57            | 84.85       | 0.00138 | 53.03              | 88.39       | 0.00128 |    |
| 49.50            | 91.92       | 0.00118 | 42.43              | 98.99       | 0.00100 |    |
| 35.36            | 106.07      | 0.00084 | 28.28              | 113.14      | 0.00070 |    |
| 21.21            | 120.21      | 0.00059 | 14.14              | 127.28      | 0.00050 |    |
| 7.07             | 134.35      | 0.00043 | 0.00               | 141.42      | 0.00037 |    |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

14:41:32

\*\*MODELOPTS:

PAGE 89

\*\*\* 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       | 0.00206 | 127.28      | 0.00        | 0.00236 |
| 120.21      | 7.07        | 0.00272 | 113.14      | 14.14       | 0.00314 |
| 106.07      | 21.21       | 0.00362 | 98.99       | 28.28       | 0.00417 |
| 91.92       | 35.36       | 0.00472 | 84.85       | 42.43       | 0.00517 |
| 81.32       | 45.96       | 0.00531 | 77.78       | 49.50       | 0.00535 |
| 75.66       | 51.62       | 0.00531 | 74.25       | 53.03       | 0.00526 |
| 72.83       | 54.45       | 0.00519 | 71.42       | 55.86       | 0.00510 |
| 70.00       | 57.28       | 0.00501 | 57.28       | 70.00       | 0.00164 |
| 55.86       | 71.42       | 0.00158 | 54.45       | 72.83       | 0.00153 |
| 53.03       | 74.25       | 0.00149 | 51.62       | 75.66       | 0.00146 |
| 49.50       | 77.78       | 0.00141 | 45.96       | 81.32       | 0.00132 |
| 42.43       | 84.85       | 0.00122 | 35.36       | 91.92       | 0.00104 |
| 28.28       | 98.99       | 0.00088 | 21.21       | 106.07      | 0.00074 |
| 14.14       | 113.14      | 0.00063 | 7.07        | 120.21      | 0.00053 |
| 0.00        | 127.28      | 0.00045 | -7.07       | 134.35      | 0.00039 |
| 127.28      | -14.14      | 0.00194 | 120.21      | -7.07       | 0.00222 |
| 113.14      | 0.00        | 0.00256 | 106.07      | 7.07        | 0.00296 |
| 98.99       | 14.14       | 0.00343 | 91.92       | 21.21       | 0.00397 |
| 84.85       | 28.28       | 0.00454 | 77.78       | 35.36       | 0.00503 |
| 74.25       | 38.89       | 0.00520 | 70.71       | 42.43       | 0.00527 |
| 68.59       | 44.55       | 0.00526 | 67.18       | 45.96       | 0.00521 |
| 65.76       | 47.38       | 0.00515 | 64.35       | 48.79       | 0.00507 |
| 62.93       | 50.20       | 0.00498 | 50.20       | 62.93       | 0.00164 |
| 48.79       | 64.35       | 0.00158 | 47.38       | 65.76       | 0.00153 |
| 45.96       | 67.18       | 0.00149 | 44.55       | 68.59       | 0.00145 |
| 42.43       | 70.71       | 0.00140 | 38.89       | 74.25       | 0.00132 |
| 35.36       | 77.78       | 0.00124 | 28.28       | 84.85       | 0.00106 |
| 21.21       | 91.92       | 0.00090 | 14.14       | 98.99       | 0.00076 |
| 7.07        | 106.07      | 0.00065 | 0.00        | 113.14      | 0.00055 |
| -7.07       | 120.21      | 0.00047 | -14.14      | 127.28      | 0.00040 |
| 120.21      | -21.21      | 0.00175 | 113.14      | -14.14      | 0.00200 |
| 106.07      | -7.07       | 0.00230 | 98.99       | 0.00        | 0.00266 |
| 91.92       | 7.07        | 0.00309 | 84.85       | 14.14       | 0.00359 |
| 77.78       | 21.21       | 0.00414 | 70.71       | 28.28       | 0.00468 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|       |       |         |       |       |         |
|-------|-------|---------|-------|-------|---------|
| 67.18 | 31.82 | 0.00490 | 63.64 | 35.36 | 0.00503 |
| 61.52 | 37.48 | 0.00505 | 60.10 | 38.89 | 0.00504 |
| 58.69 | 40.31 | 0.00500 | 57.28 | 41.72 | 0.00494 |
| 55.86 | 43.13 | 0.00487 | 43.13 | 55.86 | 0.00161 |
| 41.72 | 57.28 | 0.00154 | 40.31 | 58.69 | 0.00149 |
| 38.89 | 60.10 | 0.00145 | 37.48 | 61.52 | 0.00142 |

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

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

14:41:32

\*\*MODELOPTs:

PAGE 90

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       | 0.00137 | 31.82       | 67.18       | 0.00130 |
| 28.28       | 70.71       | 0.00122 | 21.21       | 77.78       | 0.00104 |
| 14.14       | 84.85       | 0.00089 | 7.07        | 91.92       | 0.00075 |
| 0.00        | 98.99       | 0.00064 | -7.07       | 106.07      | 0.00055 |
| -14.14      | 113.14      | 0.00047 | -21.21      | 120.21      | 0.00040 |
| 113.14      | -28.28      | 0.00151 | 106.07      | -21.21      | 0.00171 |
| 98.99       | -14.14      | 0.00195 | 91.92       | -7.07       | 0.00224 |
| 84.85       | 0.00        | 0.00258 | 77.78       | 7.07        | 0.00299 |
| 70.71       | 14.14       | 0.00344 | 63.64       | 21.21       | 0.00395 |
| 60.10       | 24.75       | 0.00419 | 56.57       | 28.28       | 0.00441 |
| 54.45       | 30.41       | 0.00451 | 53.03       | 31.82       | 0.00455 |
| 51.62       | 33.23       | 0.00457 | 50.20       | 34.65       | 0.00458 |
| 48.79       | 36.06       | 0.00457 | 36.06       | 48.79       | 0.00152 |
| 34.65       | 50.20       | 0.00146 | 33.23       | 51.62       | 0.00142 |
| 31.82       | 53.03       | 0.00138 | 30.41       | 54.45       | 0.00135 |
| 28.28       | 56.57       | 0.00130 | 24.75       | 60.10       | 0.00122 |
| 21.21       | 63.64       | 0.00114 | 14.14       | 70.71       | 0.00099 |
| 7.07        | 77.78       | 0.00084 | 0.00        | 84.85       | 0.00071 |
| -7.07       | 91.92       | 0.00061 | -14.14      | 98.99       | 0.00052 |
| -21.21      | 106.07      | 0.00045 | -28.28      | 113.14      | 0.00039 |
| 106.07      | -35.36      | 0.00126 | 98.99       | -28.28      | 0.00141 |
| 91.92       | -21.21      | 0.00157 | 84.85       | -14.14      | 0.00176 |
| 77.78       | -7.07       | 0.00198 | 70.71       | 0.00        | 0.00221 |
| 63.64       | 7.07        | 0.00245 | 56.57       | 14.14       | 0.00270 |
| 53.03       | 17.68       | 0.00283 | 49.50       | 21.21       | 0.00296 |
| 47.38       | 23.33       | 0.00306 | 45.96       | 24.75       | 0.00313 |
| 44.55       | 26.16       | 0.00321 | 43.13       | 27.58       | 0.00332 |
| 41.72       | 28.99       | 0.00346 | 28.99       | 41.72       | 0.00134 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 27.58  | 43.13  | 0.00128 | 26.16  | 44.55  | 0.00123 |
| 24.75  | 45.96  | 0.00120 | 23.33  | 47.38  | 0.00116 |
| 21.21  | 49.50  | 0.00112 | 17.68  | 53.03  | 0.00105 |
| 14.14  | 56.57  | 0.00099 | 7.07   | 63.64  | 0.00086 |
| 0.00   | 70.71  | 0.00075 | -7.07  | 77.78  | 0.00064 |
| -14.14 | 84.85  | 0.00056 | -21.21 | 91.92  | 0.00048 |
| -28.28 | 98.99  | 0.00042 | -35.36 | 106.07 | 0.00037 |
| 98.99  | -42.43 | 0.00104 | 91.92  | -35.36 | 0.00113 |
| 84.85  | -28.28 | 0.00123 | 77.78  | -21.21 | 0.00134 |
| 70.71  | -14.14 | 0.00144 | 63.64  | -7.07  | 0.00152 |
| 56.57  | 0.00   | 0.00157 | 49.50  | 7.07   | 0.00155 |
| 45.96  | 10.61  | 0.00151 | 42.43  | 14.14  | 0.00143 |

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

14:41:32  
 \*\*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       | 0.00137 | 38.89       | 17.68       | 0.00132 |
| 37.48       | 19.09       | 0.00127 | 36.06       | 20.51       | 0.00122 |
| 34.65       | 21.92       | 0.00116 | 21.92       | 34.65       | 0.00086 |
| 20.51       | 36.06       | 0.00085 | 19.09       | 37.48       | 0.00084 |
| 17.68       | 38.89       | 0.00083 | 16.26       | 40.31       | 0.00083 |
| 14.14       | 42.43       | 0.00081 | 10.61       | 45.96       | 0.00079 |
| 7.07        | 49.50       | 0.00077 | 0.00        | 56.57       | 0.00070 |
| -7.07       | 63.64       | 0.00063 | -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      | 0.00085 | 84.85       | -42.43      | 0.00090 |
| 77.78       | -35.36      | 0.00096 | 70.71       | -28.28      | 0.00101 |
| 63.64       | -21.21      | 0.00105 | 56.57       | -14.14      | 0.00106 |
| 49.50       | -7.07       | 0.00104 | 42.43       | 0.00        | 0.00097 |
| 38.89       | 3.54        | 0.00092 | 35.36       | 7.07        | 0.00086 |
| 33.23       | 9.19        | 0.00083 | 31.82       | 10.61       | 0.00081 |
| 30.41       | 12.02       | 0.00079 | 28.99       | 13.44       | 0.00078 |
| 27.58       | 14.85       | 0.00077 | 14.85       | 27.58       | 0.00065 |
| 13.44       | 28.99       | 0.00062 | 12.02       | 30.41       | 0.00061 |
| 10.61       | 31.82       | 0.00060 | 9.19        | 33.23       | 0.00059 |
| 7.07        | 35.36       | 0.00058 | 3.54        | 38.89       | 0.00058 |
| 0.00        | 42.43       | 0.00057 | -7.07       | 49.50       | 0.00055 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -14.14 | 56.57  | 0.00052 | -21.21 | 63.64  | 0.00047 |
| -28.28 | 70.71  | 0.00042 | -35.36 | 77.78  | 0.00038 |
| -42.43 | 84.85  | 0.00034 | -49.50 | 91.92  | 0.00031 |
| 84.85  | -56.57 | 0.00069 | 77.78  | -49.50 | 0.00072 |
| 70.71  | -42.43 | 0.00075 | 63.64  | -35.36 | 0.00077 |
| 56.57  | -28.28 | 0.00077 | 49.50  | -21.21 | 0.00076 |
| 42.43  | -14.14 | 0.00073 | 35.36  | -7.07  | 0.00068 |
| 31.82  | -3.54  | 0.00065 | 28.28  | 0.00   | 0.00063 |
| 26.16  | 2.12   | 0.00062 | 24.75  | 3.54   | 0.00062 |
| 23.33  | 4.95   | 0.00062 | 21.92  | 6.36   | 0.00062 |
| 20.51  | 7.78   | 0.00062 | 7.78   | 20.51  | 0.00055 |
| 6.36   | 21.92  | 0.00052 | 4.95   | 23.33  | 0.00050 |
| 3.54   | 24.75  | 0.00048 | 2.12   | 26.16  | 0.00047 |
| 0.00   | 28.28  | 0.00046 | -3.54  | 31.82  | 0.00044 |
| -7.07  | 35.36  | 0.00044 | -14.14 | 42.43  | 0.00043 |
| -21.21 | 49.50  | 0.00042 | -28.28 | 56.57  | 0.00039 |
| -35.36 | 63.64  | 0.00036 | -42.43 | 70.71  | 0.00033 |
| -49.50 | 77.78  | 0.00030 | -56.57 | 84.85  | 0.00028 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 92  
 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      | 0.00056 | 70.71       | -56.57      | 0.00058 |
| 63.64       | -49.50      | 0.00059 | 56.57       | -42.43      | 0.00059 |
| 49.50       | -35.36      | 0.00058 | 42.43       | -28.28      | 0.00056 |
| 35.36       | -21.21      | 0.00054 | 28.28       | -14.14      | 0.00051 |
| 24.75       | -10.61      | 0.00051 | 21.21       | -7.07       | 0.00051 |
| 19.09       | -4.95       | 0.00051 | 17.68       | -3.54       | 0.00051 |
| 16.26       | -2.12       | 0.00051 | 14.85       | -0.71       | 0.00051 |
| 13.44       | 0.71        | 0.00051 | 0.71        | 13.44       | 0.00047 |
| -0.71       | 14.85       | 0.00045 | -2.12       | 16.26       | 0.00043 |
| -3.54       | 17.68       | 0.00041 | -4.95       | 19.09       | 0.00040 |
| -7.07       | 21.21       | 0.00038 | -10.61      | 24.75       | 0.00036 |
| -14.14      | 28.28       | 0.00035 | -21.21      | 35.36       | 0.00034 |
| -28.28      | 42.43       | 0.00033 | -35.36      | 49.50       | 0.00032 |
| -42.43      | 56.57       | 0.00031 | -49.50      | 63.64       | 0.00029 |
| -56.57      | 70.71       | 0.00027 | -63.64      | 77.78       | 0.00025 |
| 70.71       | -70.71      | 0.00046 | 63.64       | -63.64      | 0.00046 |



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 56.57  | -56.57 | 0.00046 | 49.50  | -49.50 | 0.00046 |
| 42.43  | -42.43 | 0.00045 | 35.36  | -35.36 | 0.00044 |
| 28.28  | -28.28 | 0.00042 | 21.21  | -21.21 | 0.00041 |
| 17.68  | -17.68 | 0.00042 | 14.14  | -14.14 | 0.00042 |
| 12.02  | -12.02 | 0.00043 | 10.61  | -10.61 | 0.00043 |
| 9.19   | -9.19  | 0.00043 | 7.78   | -7.78  | 0.00043 |
| 6.36   | -6.36  | 0.00043 | -6.36  | 6.36   | 0.00041 |
| -7.78  | 7.78   | 0.00039 | -9.19  | 9.19   | 0.00038 |
| -10.61 | 10.61  | 0.00036 | -12.02 | 12.02  | 0.00035 |
| -14.14 | 14.14  | 0.00033 | -17.68 | 17.68  | 0.00030 |
| -21.21 | 21.21  | 0.00029 | -28.28 | 28.28  | 0.00028 |
| -35.36 | 35.36  | 0.00027 | -42.43 | 42.43  | 0.00026 |
| -49.50 | 49.50  | 0.00026 | -56.57 | 56.57  | 0.00024 |
| -63.64 | 63.64  | 0.00023 | -70.71 | 70.71  | 0.00022 |
| 63.64  | -77.78 | 0.00038 | 56.57  | -70.71 | 0.00038 |
| 49.50  | -63.64 | 0.00037 | 42.43  | -56.57 | 0.00037 |
| 35.36  | -49.50 | 0.00036 | 28.28  | -42.43 | 0.00035 |
| 21.21  | -35.36 | 0.00034 | 14.14  | -28.28 | 0.00035 |
| 10.61  | -24.75 | 0.00035 | 7.07   | -21.21 | 0.00036 |
| 4.95   | -19.09 | 0.00036 | 3.54   | -17.68 | 0.00036 |
| 2.12   | -16.26 | 0.00036 | 0.71   | -14.85 | 0.00036 |
| -0.71  | -13.44 | 0.00036 | -13.44 | -0.71  | 0.00035 |
| -14.85 | 0.71   | 0.00034 | -16.26 | 2.12   | 0.00033 |
| -17.68 | 3.54   | 0.00032 | -19.09 | 4.95   | 0.00031 |

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

14:41:32  
 \*\*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       | 0.00026 |
| -28.28           | 14.14       | 0.00025 | -35.36             | 21.21       | 0.00023 |
| -42.43           | 28.28       | 0.00023 | -49.50             | 35.36       | 0.00022 |
| -56.57           | 42.43       | 0.00021 | -63.64             | 49.50       | 0.00021 |
| -70.71           | 56.57       | 0.00020 | -77.78             | 63.64       | 0.00019 |
| 56.57            | -84.85      | 0.00031 | 49.50              | -77.78      | 0.00031 |
| 42.43            | -70.71      | 0.00031 | 35.36              | -63.64      | 0.00030 |
| 28.28            | -56.57      | 0.00029 | 21.21              | -49.50      | 0.00029 |
| 14.14            | -42.43      | 0.00029 | 7.07               | -35.36      | 0.00030 |
| 3.54             | -31.82      | 0.00030 | 0.00               | -28.28      | 0.00030 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -2.12  | -26.16 | 0.00031 | -3.54  | -24.75 | 0.00031 |
| -4.95  | -23.33 | 0.00031 | -6.36  | -21.92 | 0.00031 |
| -7.78  | -20.51 | 0.00031 | -20.51 | -7.78  | 0.00030 |
| -21.92 | -6.36  | 0.00030 | -23.33 | -4.95  | 0.00029 |
| -24.75 | -3.54  | 0.00028 | -26.16 | -2.12  | 0.00027 |
| -28.28 | 0.00   | 0.00026 | -31.82 | 3.54   | 0.00023 |
| -35.36 | 7.07   | 0.00022 | -42.43 | 14.14  | 0.00020 |
| -49.50 | 21.21  | 0.00019 | -56.57 | 28.28  | 0.00019 |
| -63.64 | 35.36  | 0.00018 | -70.71 | 42.43  | 0.00018 |
| -77.78 | 49.50  | 0.00017 | -84.85 | 56.57  | 0.00016 |
| 49.50  | -91.92 | 0.00026 | 42.43  | -84.85 | 0.00026 |
| 35.36  | -77.78 | 0.00025 | 28.28  | -70.71 | 0.00025 |
| 21.21  | -63.64 | 0.00024 | 14.14  | -56.57 | 0.00024 |
| 7.07   | -49.50 | 0.00025 | 0.00   | -42.43 | 0.00026 |
| -3.54  | -38.89 | 0.00026 | -7.07  | -35.36 | 0.00026 |
| -9.19  | -33.23 | 0.00026 | -10.61 | -31.82 | 0.00026 |
| -12.02 | -30.41 | 0.00026 | -13.44 | -28.99 | 0.00027 |
| -14.85 | -27.58 | 0.00027 | -27.58 | -14.85 | 0.00026 |
| -28.99 | -13.44 | 0.00026 | -30.41 | -12.02 | 0.00025 |
| -31.82 | -10.61 | 0.00025 | -33.23 | -9.19  | 0.00024 |
| -35.36 | -7.07  | 0.00023 | -38.89 | -3.54  | 0.00021 |
| -42.43 | 0.00   | 0.00019 | -49.50 | 7.07   | 0.00017 |
| -56.57 | 14.14  | 0.00017 | -63.64 | 21.21  | 0.00016 |
| -70.71 | 28.28  | 0.00016 | -77.78 | 35.36  | 0.00015 |
| -84.85 | 42.43  | 0.00015 | -91.92 | 49.50  | 0.00014 |
| 42.43  | -98.99 | 0.00022 | 35.36  | -91.92 | 0.00022 |
| 28.28  | -84.85 | 0.00021 | 21.21  | -77.78 | 0.00021 |
| 14.14  | -70.71 | 0.00021 | 7.07   | -63.64 | 0.00021 |
| 0.00   | -56.57 | 0.00022 | -7.07  | -49.50 | 0.00023 |
| -10.61 | -45.96 | 0.00023 | -14.14 | -42.43 | 0.00023 |

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

14:41:32  
 \*\*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      | 0.00023 |
| -19.09      | -37.48      | 0.00023 | -20.51      | -36.06      | 0.00023 |
| -21.92      | -34.65      | 0.00023 | -34.65      | -21.92      | 0.00023 |
| -36.06      | -20.51      | 0.00023 | -37.48      | -19.09      | 0.00022 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -38.89  | -17.68  | 0.00022 | -40.31  | -16.26  | 0.00021 |
| -42.43  | -14.14  | 0.00021 | -45.96  | -10.61  | 0.00019 |
| -49.50  | -7.07   | 0.00017 | -56.57  | 0.00    | 0.00015 |
| -63.64  | 7.07    | 0.00014 | -70.71  | 14.14   | 0.00014 |
| -77.78  | 21.21   | 0.00014 | -84.85  | 28.28   | 0.00014 |
| -91.92  | 35.36   | 0.00013 | -98.99  | 42.43   | 0.00013 |
| 35.36   | -106.07 | 0.00019 | 28.28   | -98.99  | 0.00019 |
| 21.21   | -91.92  | 0.00018 | 14.14   | -84.85  | 0.00018 |
| 7.07    | -77.78  | 0.00018 | 0.00    | -70.71  | 0.00019 |
| -7.07   | -63.64  | 0.00019 | -14.14  | -56.57  | 0.00020 |
| -17.68  | -53.03  | 0.00020 | -21.21  | -49.50  | 0.00020 |
| -23.33  | -47.38  | 0.00020 | -24.75  | -45.96  | 0.00020 |
| -26.16  | -44.55  | 0.00020 | -27.58  | -43.13  | 0.00020 |
| -28.99  | -41.72  | 0.00020 | -41.72  | -28.99  | 0.00020 |
| -43.13  | -27.58  | 0.00020 | -44.55  | -26.16  | 0.00020 |
| -45.96  | -24.75  | 0.00020 | -47.38  | -23.33  | 0.00019 |
| -49.50  | -21.21  | 0.00018 | -53.03  | -17.68  | 0.00017 |
| -56.57  | -14.14  | 0.00016 | -63.64  | -7.07   | 0.00014 |
| -70.71  | 0.00    | 0.00013 | -77.78  | 7.07    | 0.00012 |
| -84.85  | 14.14   | 0.00012 | -91.92  | 21.21   | 0.00012 |
| -98.99  | 28.28   | 0.00012 | -106.07 | 35.36   | 0.00011 |
| 28.28   | -113.14 | 0.00016 | 21.21   | -106.07 | 0.00016 |
| 14.14   | -98.99  | 0.00016 | 7.07    | -91.92  | 0.00016 |
| 0.00    | -84.85  | 0.00016 | -7.07   | -77.78  | 0.00017 |
| -14.14  | -70.71  | 0.00017 | -21.21  | -63.64  | 0.00017 |
| -24.75  | -60.10  | 0.00018 | -28.28  | -56.57  | 0.00018 |
| -30.41  | -54.45  | 0.00018 | -31.82  | -53.03  | 0.00018 |
| -33.23  | -51.62  | 0.00018 | -34.65  | -50.20  | 0.00018 |
| -36.06  | -48.79  | 0.00018 | -48.79  | -36.06  | 0.00018 |
| -50.20  | -34.65  | 0.00018 | -51.62  | -33.23  | 0.00018 |
| -53.03  | -31.82  | 0.00017 | -54.45  | -30.41  | 0.00017 |
| -56.57  | -28.28  | 0.00017 | -60.10  | -24.75  | 0.00016 |
| -63.64  | -21.21  | 0.00015 | -70.71  | -14.14  | 0.00013 |
| -77.78  | -7.07   | 0.00011 | -84.85  | 0.00    | 0.00011 |
| -91.92  | 7.07    | 0.00011 | -98.99  | 14.14   | 0.00011 |
| -106.07 | 21.21   | 0.00011 | -113.14 | 28.28   | 0.00010 |

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

14:41:32  
 \*\*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 \*\*\*

11NCRA\_PL91-300\_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     | 0.00014 | 14.14       | -113.14     | 0.00014 |
| 7.07        | -106.07     | 0.00014 | 0.00        | -98.99      | 0.00014 |
| -7.07       | -91.92      | 0.00015 | -14.14      | -84.85      | 0.00015 |
| -21.21      | -77.78      | 0.00015 | -28.28      | -70.71      | 0.00016 |
| -31.82      | -67.18      | 0.00016 | -35.36      | -63.64      | 0.00016 |
| -37.48      | -61.52      | 0.00016 | -38.89      | -60.10      | 0.00016 |
| -40.31      | -58.69      | 0.00016 | -41.72      | -57.28      | 0.00016 |
| -43.13      | -55.86      | 0.00016 | -55.86      | -43.13      | 0.00016 |
| -57.28      | -41.72      | 0.00016 | -58.69      | -40.31      | 0.00016 |
| -60.10      | -38.89      | 0.00016 | -61.52      | -37.48      | 0.00015 |
| -63.64      | -35.36      | 0.00015 | -67.18      | -31.82      | 0.00014 |
| -70.71      | -28.28      | 0.00013 | -77.78      | -21.21      | 0.00012 |
| -84.85      | -14.14      | 0.00010 | -91.92      | -7.07       | 0.00010 |
| -98.99      | 0.00        | 0.00010 | -106.07     | 7.07        | 0.00010 |
| -113.14     | 14.14       | 0.00010 | -120.21     | 21.21       | 0.00009 |
| 14.14       | -127.28     | 0.00012 | 7.07        | -120.21     | 0.00012 |
| 0.00        | -113.14     | 0.00013 | -7.07       | -106.07     | 0.00013 |
| -14.14      | -98.99      | 0.00013 | -21.21      | -91.92      | 0.00014 |
| -28.28      | -84.85      | 0.00014 | -35.36      | -77.78      | 0.00014 |
| -38.89      | -74.25      | 0.00014 | -42.43      | -70.71      | 0.00014 |
| -44.55      | -68.59      | 0.00014 | -45.96      | -67.18      | 0.00014 |
| -47.38      | -65.76      | 0.00014 | -48.79      | -64.35      | 0.00014 |
| -50.20      | -62.93      | 0.00014 | -62.93      | -50.20      | 0.00014 |
| -64.35      | -48.79      | 0.00014 | -65.76      | -47.38      | 0.00014 |
| -67.18      | -45.96      | 0.00014 | -68.59      | -44.55      | 0.00014 |
| -70.71      | -42.43      | 0.00014 | -74.25      | -38.89      | 0.00013 |
| -77.78      | -35.36      | 0.00012 | -84.85      | -28.28      | 0.00011 |
| -91.92      | -21.21      | 0.00010 | -98.99      | -14.14      | 0.00009 |
| -106.07     | -7.07       | 0.00009 | -113.14     | 0.00        | 0.00009 |
| -120.21     | 7.07        | 0.00009 | -127.28     | 14.14       | 0.00008 |
| 7.07        | -134.35     | 0.00011 | 0.00        | -127.28     | 0.00011 |
| -7.07       | -120.21     | 0.00011 | -14.14      | -113.14     | 0.00012 |
| -21.21      | -106.07     | 0.00012 | -28.28      | -98.99      | 0.00012 |
| -35.36      | -91.92      | 0.00012 | -42.43      | -84.85      | 0.00013 |
| -45.96      | -81.32      | 0.00013 | -49.50      | -77.78      | 0.00013 |
| -51.62      | -75.66      | 0.00013 | -53.03      | -74.25      | 0.00013 |
| -54.45      | -72.83      | 0.00013 | -55.86      | -71.42      | 0.00013 |
| -57.28      | -70.00      | 0.00013 | -70.00      | -57.28      | 0.00013 |
| -71.42      | -55.86      | 0.00013 | -72.83      | -54.45      | 0.00013 |
| -74.25      | -53.03      | 0.00013 | -75.66      | -51.62      | 0.00013 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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

\*\*\*

14:41:32  
 \*\*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      | 0.00012 | -81.32             | -45.96      | 0.00012 |    |
| -84.85           | -42.43      | 0.00011 | -91.92             | -35.36      | 0.00010 |    |
| -98.99           | -28.28      | 0.00009 | -106.07            | -21.21      | 0.00008 |    |
| -113.14          | -14.14      | 0.00008 | -120.21            | -7.07       | 0.00008 |    |
| -127.28          | 0.00        | 0.00008 | -134.35            | 7.07        | 0.00008 |    |
| 0.00             | -141.42     | 0.00010 | -7.07              | -134.35     | 0.00010 |    |
| -14.14           | -127.28     | 0.00010 | -21.21             | -120.21     | 0.00011 |    |
| -28.28           | -113.14     | 0.00011 | -35.36             | -106.07     | 0.00011 |    |
| -42.43           | -98.99      | 0.00011 | -49.50             | -91.92      | 0.00011 |    |
| -53.03           | -88.39      | 0.00011 | -56.57             | -84.85      | 0.00012 |    |
| -58.69           | -82.73      | 0.00012 | -60.10             | -81.32      | 0.00012 |    |
| -61.52           | -79.90      | 0.00012 | -62.93             | -78.49      | 0.00012 |    |
| -64.35           | -77.07      | 0.00012 | -77.07             | -64.35      | 0.00012 |    |
| -78.49           | -62.93      | 0.00012 | -79.90             | -61.52      | 0.00012 |    |
| -81.32           | -60.10      | 0.00012 | -82.73             | -58.69      | 0.00011 |    |
| -84.85           | -56.57      | 0.00011 | -88.39             | -53.03      | 0.00011 |    |
| -91.92           | -49.50      | 0.00010 | -98.99             | -42.43      | 0.00009 |    |
| -106.07          | -35.36      | 0.00008 | -113.14            | -28.28      | 0.00007 |    |
| -120.21          | -21.21      | 0.00007 | -127.28            | -14.14      | 0.00007 |    |
| -134.35          | -7.07       | 0.00007 | -141.42            | 0.00        | 0.00007 |    |
| -7.07            | -148.49     | 0.00009 | -14.14             | -141.42     | 0.00009 |    |
| -21.21           | -134.35     | 0.00010 | -28.28             | -127.28     | 0.00010 |    |
| -35.36           | -120.21     | 0.00010 | -42.43             | -113.14     | 0.00010 |    |
| -49.50           | -106.07     | 0.00010 | -56.57             | -98.99      | 0.00010 |    |
| -60.10           | -95.46      | 0.00010 | -63.64             | -91.92      | 0.00010 |    |
| -65.76           | -89.80      | 0.00011 | -67.18             | -88.39      | 0.00011 |    |
| -68.59           | -86.97      | 0.00011 | -70.00             | -85.56      | 0.00011 |    |
| -71.42           | -84.15      | 0.00011 | -84.15             | -71.42      | 0.00011 |    |
| -85.56           | -70.00      | 0.00011 | -86.97             | -68.59      | 0.00011 |    |
| -88.39           | -67.18      | 0.00011 | -89.80             | -65.76      | 0.00010 |    |
| -91.92           | -63.64      | 0.00010 | -95.46             | -60.10      | 0.00010 |    |
| -98.99           | -56.57      | 0.00010 | -106.07            | -49.50      | 0.00009 |    |
| -113.14          | -42.43      | 0.00008 | -120.21            | -35.36      | 0.00007 |    |
| -127.28          | -28.28      | 0.00006 | -134.35            | -21.21      | 0.00006 |    |
| -141.42          | -14.14      | 0.00006 | -148.49            | -7.07       | 0.00006 |    |
| -14.14           | -155.56     | 0.00008 | -21.21             | -148.49     | 0.00009 |    |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

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

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 97  
 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      | 0.00010 | -74.25      | -95.46      | 0.00010 |
| -75.66      | -94.05      | 0.00010 | -77.07      | -92.63      | 0.00010 |
| -78.49      | -91.22      | 0.00010 | -91.22      | -78.49      | 0.00010 |
| -92.63      | -77.07      | 0.00010 | -94.05      | -75.66      | 0.00010 |
| -95.46      | -74.25      | 0.00010 | -96.87      | -72.83      | 0.00010 |
| -98.99      | -70.71      | 0.00010 | -102.53     | -67.18      | 0.00009 |
| -106.07     | -63.64      | 0.00009 | -113.14     | -56.57      | 0.00008 |
| -120.21     | -49.50      | 0.00007 | -127.28     | -42.43      | 0.00007 |
| -134.35     | -35.36      | 0.00006 | -141.42     | -28.28      | 0.00006 |
| -148.49     | -21.21      | 0.00006 | -155.56     | -14.14      | 0.00006 |
| -21.21      | -162.63     | 0.00008 | -28.28      | -155.56     | 0.00008 |
| -35.36      | -148.49     | 0.00008 | -42.43      | -141.42     | 0.00008 |
| -49.50      | -134.35     | 0.00009 | -56.57      | -127.28     | 0.00009 |
| -63.64      | -120.21     | 0.00009 | -70.71      | -113.14     | 0.00009 |
| -74.25      | -109.60     | 0.00009 | -77.78      | -106.07     | 0.00009 |
| -79.90      | -103.94     | 0.00009 | -81.32      | -102.53     | 0.00009 |
| -82.73      | -101.12     | 0.00009 | -84.15      | -99.70      | 0.00009 |
| -85.56      | -98.29      | 0.00009 | -98.29      | -85.56      | 0.00009 |
| -99.70      | -84.15      | 0.00009 | -101.12     | -82.73      | 0.00009 |
| -102.53     | -81.32      | 0.00009 | -103.94     | -79.90      | 0.00009 |
| -106.07     | -77.78      | 0.00009 | -109.60     | -74.25      | 0.00009 |
| -113.14     | -70.71      | 0.00008 | -120.21     | -63.64      | 0.00008 |
| -127.28     | -56.57      | 0.00007 | -134.35     | -49.50      | 0.00006 |
| -141.42     | -42.43      | 0.00006 | -148.49     | -35.36      | 0.00005 |
| -155.56     | -28.28      | 0.00005 | -162.63     | -21.21      | 0.00005 |
| -28.28      | -169.71     | 0.00007 | -35.36      | -162.63     | 0.00007 |
| -42.43      | -155.56     | 0.00008 | -49.50      | -148.49     | 0.00008 |
| -56.57      | -141.42     | 0.00008 | -63.64      | -134.35     | 0.00008 |
| -70.71      | -127.28     | 0.00008 | -77.78      | -120.21     | 0.00008 |
| -81.32      | -116.67     | 0.00008 | -84.85      | -113.14     | 0.00008 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -86.97  | -111.02 | 0.00008 | -88.39  | -109.60 | 0.00008 |
| -89.80  | -108.19 | 0.00008 | -91.22  | -106.77 | 0.00008 |
| -92.63  | -105.36 | 0.00008 | -105.36 | -92.63  | 0.00008 |
| -106.77 | -91.22  | 0.00008 | -108.19 | -89.80  | 0.00008 |
| -109.60 | -88.39  | 0.00008 | -111.02 | -86.97  | 0.00008 |
| -113.14 | -84.85  | 0.00008 | -116.67 | -81.32  | 0.00008 |
| -120.21 | -77.78  | 0.00008 | -127.28 | -70.71  | 0.00007 |
| -134.35 | -63.64  | 0.00006 | -141.42 | -56.57  | 0.00006 |
| -148.49 | -49.50  | 0.00005 | -155.56 | -42.43  | 0.00005 |
| -162.63 | -35.36  | 0.00005 | -169.71 | -28.28  | 0.00005 |

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

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

14:41:32

\*\*MODELOPTs:

PAGE 98

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     | 0.00007 | -42.43      | -169.71     | 0.00007 |
| -49.50      | -162.63     | 0.00007 | -56.57      | -155.56     | 0.00007 |
| -63.64      | -148.49     | 0.00007 | -70.71      | -141.42     | 0.00007 |
| -77.78      | -134.35     | 0.00007 | -84.85      | -127.28     | 0.00007 |
| -88.39      | -123.74     | 0.00007 | -91.92      | -120.21     | 0.00008 |
| -94.05      | -118.09     | 0.00008 | -95.46      | -116.67     | 0.00008 |
| -96.87      | -115.26     | 0.00008 | -98.29      | -113.84     | 0.00008 |
| -99.70      | -112.43     | 0.00008 | -112.43     | -99.70      | 0.00008 |
| -113.84     | -98.29      | 0.00008 | -115.26     | -96.87      | 0.00008 |
| -116.67     | -95.46      | 0.00008 | -118.09     | -94.05      | 0.00008 |
| -120.21     | -91.92      | 0.00008 | -123.74     | -88.39      | 0.00007 |
| -127.28     | -84.85      | 0.00007 | -134.35     | -77.78      | 0.00007 |
| -141.42     | -70.71      | 0.00006 | -148.49     | -63.64      | 0.00006 |
| -155.56     | -56.57      | 0.00005 | -162.63     | -49.50      | 0.00005 |
| -169.71     | -42.43      | 0.00005 | -176.78     | -35.36      | 0.00004 |
| -42.43      | -183.85     | 0.00006 | -49.50      | -176.78     | 0.00007 |
| -56.57      | -169.71     | 0.00007 | -63.64      | -162.63     | 0.00007 |
| -70.71      | -155.56     | 0.00007 | -77.78      | -148.49     | 0.00007 |
| -84.85      | -141.42     | 0.00007 | -91.92      | -134.35     | 0.00007 |
| -95.46      | -130.81     | 0.00007 | -98.99      | -127.28     | 0.00007 |
| -101.12     | -125.16     | 0.00007 | -102.53     | -123.74     | 0.00007 |
| -103.94     | -122.33     | 0.00007 | -105.36     | -120.92     | 0.00007 |
| -106.77     | -119.50     | 0.00007 | -119.50     | -106.77     | 0.00007 |
| -120.92     | -105.36     | 0.00007 | -122.33     | -103.94     | 0.00007 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -123.74 | -102.53 | 0.00007 | -125.16 | -101.12 | 0.00007 |
| -127.28 | -98.99  | 0.00007 | -130.81 | -95.46  | 0.00007 |
| -134.35 | -91.92  | 0.00007 | -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  | 0.00004 |
| -176.78 | -49.50  | 0.00004 | -183.85 | -42.43  | 0.00004 |
| -49.50  | -190.92 | 0.00006 | -56.57  | -183.85 | 0.00006 |
| -63.64  | -176.78 | 0.00006 | -70.71  | -169.71 | 0.00006 |
| -77.78  | -162.63 | 0.00006 | -84.85  | -155.56 | 0.00006 |
| -91.92  | -148.49 | 0.00006 | -98.99  | -141.42 | 0.00006 |
| -102.53 | -137.89 | 0.00006 | -106.07 | -134.35 | 0.00007 |
| -108.19 | -132.23 | 0.00007 | -109.60 | -130.81 | 0.00007 |
| -111.02 | -129.40 | 0.00007 | -112.43 | -127.99 | 0.00007 |
| -113.84 | -126.57 | 0.00007 | -126.57 | -113.84 | 0.00007 |
| -127.99 | -112.43 | 0.00007 | -129.40 | -111.02 | 0.00007 |
| -130.81 | -109.60 | 0.00007 | -132.23 | -108.19 | 0.00007 |

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

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

14:41:32

\*\*MODELOPTs:

PAGE 99

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     | -106.07     | 0.00007 | -137.89     | -102.53     | 0.00006 |
| -141.42     | -98.99      | 0.00006 | -148.49     | -91.92      | 0.00006 |
| -155.56     | -84.85      | 0.00006 | -162.63     | -77.78      | 0.00005 |
| -169.71     | -70.71      | 0.00005 | -176.78     | -63.64      | 0.00004 |
| -183.85     | -56.57      | 0.00004 | -190.92     | -49.50      | 0.00004 |
| -56.57      | -197.99     | 0.00006 | -63.64      | -190.92     | 0.00006 |
| -70.71      | -183.85     | 0.00006 | -77.78      | -176.78     | 0.00006 |
| -84.85      | -169.71     | 0.00006 | -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     | 0.00006 |
| -115.26     | -139.30     | 0.00006 | -116.67     | -137.89     | 0.00006 |
| -118.09     | -136.47     | 0.00006 | -119.50     | -135.06     | 0.00006 |
| -120.92     | -133.64     | 0.00006 | -133.64     | -120.92     | 0.00006 |
| -135.06     | -119.50     | 0.00006 | -136.47     | -118.09     | 0.00006 |
| -137.89     | -116.67     | 0.00006 | -139.30     | -115.26     | 0.00006 |
| -141.42     | -113.14     | 0.00006 | -144.96     | -109.60     | 0.00006 |
| -148.49     | -106.07     | 0.00006 | -155.56     | -98.99      | 0.00006 |
| -162.63     | -91.92      | 0.00005 | -169.71     | -84.85      | 0.00005 |



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -176.78 | -77.78  | 0.00004 | -183.85 | -70.71  | 0.00004 |
| -190.92 | -63.64  | 0.00004 | -197.99 | -56.57  | 0.00004 |
| -63.64  | -205.06 | 0.00005 | -70.71  | -197.99 | 0.00005 |
| -77.78  | -190.92 | 0.00005 | -84.85  | -183.85 | 0.00005 |
| -91.92  | -176.78 | 0.00006 | -98.99  | -169.71 | 0.00006 |
| -106.07 | -162.63 | 0.00006 | -113.14 | -155.56 | 0.00006 |
| -116.67 | -152.03 | 0.00006 | -120.21 | -148.49 | 0.00006 |
| -122.33 | -146.37 | 0.00006 | -123.74 | -144.96 | 0.00006 |
| -125.16 | -143.54 | 0.00006 | -126.57 | -142.13 | 0.00006 |
| -127.99 | -140.71 | 0.00006 | -140.71 | -127.99 | 0.00006 |
| -142.13 | -126.57 | 0.00006 | -143.54 | -125.16 | 0.00006 |
| -144.96 | -123.74 | 0.00006 | -146.37 | -122.33 | 0.00006 |
| -148.49 | -120.21 | 0.00006 | -152.03 | -116.67 | 0.00006 |
| -155.56 | -113.14 | 0.00006 | -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  | 0.00003 |
| -70.71  | -212.13 | 0.00005 | -77.78  | -205.06 | 0.00005 |
| -84.85  | -197.99 | 0.00005 | -91.92  | -190.92 | 0.00005 |
| -98.99  | -183.85 | 0.00005 | -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      \*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 100

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     | 0.00005 |
| -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     | 0.00005 | -183.85     | -98.99      | 0.00004 |
| -190.92     | -91.92      | 0.00004 | -197.99     | -84.85      | 0.00004 |
| -205.06     | -77.78      | 0.00003 | -212.13     | -70.71      | 0.00003 |
| -77.78      | -219.20     | 0.00005 | -84.85      | -212.13     | 0.00005 |
| -91.92      | -205.06     | 0.00005 | -98.99      | -197.99     | 0.00005 |

11NCRA\_PL91-300\_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 | 0.00005 | -134.35 | -162.63 | 0.00005 |
| -136.47 | -160.51 | 0.00005 | -137.89 | -159.10 | 0.00005 |
| -139.30 | -157.68 | 0.00005 | -140.71 | -156.27 | 0.00005 |
| -142.13 | -154.86 | 0.00005 | -154.86 | -142.13 | 0.00005 |
| -156.27 | -140.71 | 0.00005 | -157.68 | -139.30 | 0.00005 |
| -159.10 | -137.89 | 0.00005 | -160.51 | -136.47 | 0.00005 |
| -162.63 | -134.35 | 0.00005 | -166.17 | -130.81 | 0.00005 |
| -169.71 | -127.28 | 0.00005 | -176.78 | -120.21 | 0.00005 |
| -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  | 0.00003 | -219.20 | -77.78  | 0.00003 |
| -84.85  | -226.27 | 0.00004 | -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 | 0.00005 |
| -137.89 | -173.24 | 0.00005 | -141.42 | -169.71 | 0.00005 |
| -143.54 | -167.58 | 0.00005 | -144.96 | -166.17 | 0.00005 |
| -146.37 | -164.76 | 0.00005 | -147.79 | -163.34 | 0.00005 |
| -149.20 | -161.93 | 0.00005 | -161.93 | -149.20 | 0.00005 |
| -163.34 | -147.79 | 0.00005 | -164.76 | -146.37 | 0.00005 |
| -166.17 | -144.96 | 0.00005 | -167.58 | -143.54 | 0.00005 |
| -169.71 | -141.42 | 0.00005 | -173.24 | -137.89 | 0.00005 |
| -176.78 | -134.35 | 0.00005 | -183.85 | -127.28 | 0.00005 |
| -190.92 | -120.21 | 0.00004 | -197.99 | -113.14 | 0.00004 |
| -205.06 | -106.07 | 0.00004 | -212.13 | -98.99  | 0.00003 |
| -219.20 | -91.92  | 0.00003 | -226.27 | -84.85  | 0.00003 |

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

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

14:41:32

\*\*MODELOPTS:  
 PAGE 101

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     | 0.00004 | -98.99      | -226.27     | 0.00004 |
| -106.07     | -219.20     | 0.00004 | -113.14     | -212.13     | 0.00004 |
| -120.21     | -205.06     | 0.00004 | -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 |

11NCRA\_PL91-300\_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 | 0.00005 |
| -170.41 | -154.86 | 0.00005 | -171.83 | -153.44 | 0.00005 |
| -173.24 | -152.03 | 0.00005 | -174.66 | -150.61 | 0.00005 |
| -176.78 | -148.49 | 0.00005 | -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 | 0.00004 | -106.07 | -233.35 | 0.00004 |
| -113.14 | -226.27 | 0.00004 | -120.21 | -219.20 | 0.00004 |
| -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 | 0.00004 |
| -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 | 0.00004 | -113.14 | -240.42 | 0.00004 |
| -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 | 0.00004 |
| -164.76 | -188.80 | 0.00004 | -166.17 | -187.38 | 0.00004 |
| -167.58 | -185.97 | 0.00004 | -169.00 | -184.55 | 0.00004 |
| -170.41 | -183.14 | 0.00004 | -183.14 | -170.41 | 0.00004 |
| -184.55 | -169.00 | 0.00004 | -185.97 | -167.58 | 0.00004 |
| -187.38 | -166.17 | 0.00004 | -188.80 | -164.76 | 0.00004 |

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 102

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  |
|-------------|-------------|-------|-------------|-------------|-------|
| -----       | -----       | ----- | -----       | -----       | ----- |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -190.92 | -162.63 | 0.00004 | -194.45 | -159.10 | 0.00004 |
| -197.99 | -155.56 | 0.00004 | -205.06 | -148.49 | 0.00004 |
| -212.13 | -141.42 | 0.00004 | -219.20 | -134.35 | 0.00004 |
| -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 \*\*\*

14:41:32

\*\*MODELOPTs:  
 PAGE 103

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      | 0.00122 | 240.42      | 113.14      | 0.00129 |
| 233.35      | 120.21      | 0.00134 | 226.27      | 127.28      | 0.00138 |
| 219.20      | 134.35      | 0.00140 | 212.13      | 141.42      | 0.00137 |
| 205.06      | 148.49      | 0.00127 | 197.99      | 155.56      | 0.00108 |
| 194.45      | 159.10      | 0.00095 | 190.92      | 162.63      | 0.00081 |
| 188.80      | 164.76      | 0.00073 | 187.38      | 166.17      | 0.00068 |
| 185.97      | 167.58      | 0.00063 | 184.55      | 169.00      | 0.00058 |
| 183.14      | 170.41      | 0.00054 | 170.41      | 183.14      | 0.00039 |
| 169.00      | 184.55      | 0.00039 | 167.58      | 185.97      | 0.00038 |
| 166.17      | 187.38      | 0.00037 | 164.76      | 188.80      | 0.00036 |
| 162.63      | 190.92      | 0.00035 | 159.10      | 194.45      | 0.00032 |
| 155.56      | 197.99      | 0.00030 | 148.49      | 205.06      | 0.00026 |
| 141.42      | 212.13      | 0.00024 | 134.35      | 219.20      | 0.00021 |
| 127.28      | 226.27      | 0.00020 | 120.21      | 233.35      | 0.00018 |
| 113.14      | 240.42      | 0.00017 | 106.07      | 247.49      | 0.00016 |
| 240.42      | 98.99       | 0.00148 | 233.35      | 106.07      | 0.00160 |
| 226.27      | 113.14      | 0.00172 | 219.20      | 120.21      | 0.00183 |
| 212.13      | 127.28      | 0.00194 | 205.06      | 134.35      | 0.00200 |
| 197.99      | 141.42      | 0.00199 | 190.92      | 148.49      | 0.00184 |
| 187.38      | 152.03      | 0.00169 | 183.85      | 155.56      | 0.00148 |
| 181.73      | 157.68      | 0.00132 | 180.31      | 159.10      | 0.00121 |
| 178.90      | 160.51      | 0.00110 | 177.48      | 161.93      | 0.00099 |
| 176.07      | 163.34      | 0.00089 | 163.34      | 176.07      | 0.00052 |
| 161.93      | 177.48      | 0.00051 | 160.51      | 178.90      | 0.00049 |
| 159.10      | 180.31      | 0.00048 | 157.68      | 181.73      | 0.00047 |
| 155.56      | 183.85      | 0.00045 | 152.03      | 187.38      | 0.00042 |
| 148.49      | 190.92      | 0.00039 | 141.42      | 197.99      | 0.00035 |
| 134.35      | 205.06      | 0.00031 | 127.28      | 212.13      | 0.00028 |
| 120.21      | 219.20      | 0.00025 | 113.14      | 226.27      | 0.00023 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 106.07 | 233.35 | 0.00021 | 98.99  | 240.42 | 0.00019 |
| 233.35 | 91.92  | 0.00172 | 226.27 | 98.99  | 0.00190 |
| 219.20 | 106.07 | 0.00210 | 212.13 | 113.14 | 0.00232 |
| 205.06 | 120.21 | 0.00255 | 197.99 | 127.28 | 0.00279 |
| 190.92 | 134.35 | 0.00300 | 183.85 | 141.42 | 0.00311 |
| 180.31 | 144.96 | 0.00308 | 176.78 | 148.49 | 0.00295 |
| 174.66 | 150.61 | 0.00281 | 173.24 | 152.03 | 0.00267 |
| 171.83 | 153.44 | 0.00250 | 170.41 | 154.86 | 0.00229 |
| 169.00 | 156.27 | 0.00203 | 156.27 | 169.00 | 0.00073 |
| 154.86 | 170.41 | 0.00072 | 153.44 | 171.83 | 0.00070 |
| 152.03 | 173.24 | 0.00069 | 150.61 | 174.66 | 0.00067 |

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

14:41:32  
 \*\*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      | 0.00065 | 144.96      | 180.31      | 0.00061 |
| 141.42      | 183.85      | 0.00056 | 134.35      | 190.92      | 0.00048 |
| 127.28      | 197.99      | 0.00042 | 120.21      | 205.06      | 0.00036 |
| 113.14      | 212.13      | 0.00032 | 106.07      | 219.20      | 0.00028 |
| 99.00       | 226.27      | 0.00025 | 91.92       | 233.35      | 0.00023 |
| 226.27      | 84.85       | 0.00191 | 219.20      | 91.92       | 0.00215 |
| 212.13      | 98.99       | 0.00242 | 205.06      | 106.07      | 0.00272 |
| 197.99      | 113.14      | 0.00307 | 190.92      | 120.21      | 0.00346 |
| 183.85      | 127.28      | 0.00387 | 176.78      | 134.35      | 0.00426 |
| 173.24      | 137.89      | 0.00441 | 169.71      | 141.42      | 0.00450 |
| 167.58      | 143.54      | 0.00450 | 166.17      | 144.96      | 0.00448 |
| 164.76      | 146.37      | 0.00445 | 163.34      | 147.79      | 0.00442 |
| 161.93      | 149.20      | 0.00438 | 149.20      | 161.93      | 0.00123 |
| 147.79      | 163.34      | 0.00117 | 146.37      | 164.76      | 0.00111 |
| 144.96      | 166.17      | 0.00107 | 143.54      | 167.58      | 0.00103 |
| 141.42      | 169.71      | 0.00097 | 137.89      | 173.24      | 0.00087 |
| 134.35      | 176.78      | 0.00079 | 127.28      | 183.85      | 0.00065 |
| 120.21      | 190.92      | 0.00055 | 113.14      | 197.99      | 0.00046 |
| 106.07      | 205.06      | 0.00040 | 99.00       | 212.13      | 0.00035 |
| 91.92       | 219.20      | 0.00030 | 84.85       | 226.27      | 0.00027 |
| 219.20      | 77.78       | 0.00205 | 212.13      | 84.85       | 0.00232 |
| 205.06      | 91.92       | 0.00263 | 197.99      | 98.99       | 0.00300 |
| 190.92      | 106.07      | 0.00342 | 183.85      | 113.14      | 0.00389 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 176.78 | 120.21 | 0.00438 | 169.71 | 127.28 | 0.00483 |
| 166.17 | 130.81 | 0.00499 | 162.63 | 134.35 | 0.00506 |
| 160.51 | 136.47 | 0.00504 | 159.10 | 137.89 | 0.00499 |
| 157.68 | 139.30 | 0.00492 | 156.27 | 140.71 | 0.00485 |
| 154.86 | 142.13 | 0.00476 | 142.13 | 154.86 | 0.00145 |
| 140.71 | 156.27 | 0.00140 | 139.30 | 157.68 | 0.00135 |
| 137.89 | 159.10 | 0.00131 | 136.47 | 160.51 | 0.00127 |
| 134.35 | 162.63 | 0.00120 | 130.81 | 166.17 | 0.00109 |
| 127.28 | 169.71 | 0.00098 | 120.21 | 176.78 | 0.00080 |
| 113.14 | 183.85 | 0.00066 | 106.07 | 190.92 | 0.00056 |
| 99.00  | 197.99 | 0.00047 | 91.92  | 205.06 | 0.00041 |
| 84.85  | 212.13 | 0.00035 | 77.78  | 219.20 | 0.00031 |
| 212.13 | 70.71  | 0.00211 | 205.06 | 77.78  | 0.00241 |
| 197.99 | 84.85  | 0.00275 | 190.92 | 91.92  | 0.00316 |
| 183.85 | 98.99  | 0.00362 | 176.78 | 106.07 | 0.00413 |
| 169.71 | 113.14 | 0.00465 | 162.63 | 120.21 | 0.00509 |
| 159.10 | 123.74 | 0.00523 | 155.56 | 127.28 | 0.00527 |

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 105

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      | 0.00523 | 152.03      | 130.81      | 0.00518 |
| 150.61      | 132.23      | 0.00509 | 149.20      | 133.64      | 0.00499 |
| 147.79      | 135.06      | 0.00489 | 135.06      | 147.79      | 0.00155 |
| 133.64      | 149.20      | 0.00150 | 132.23      | 150.61      | 0.00146 |
| 130.81      | 152.03      | 0.00142 | 129.40      | 153.44      | 0.00138 |
| 127.28      | 155.56      | 0.00132 | 123.74      | 159.10      | 0.00122 |
| 120.21      | 162.63      | 0.00111 | 113.14      | 169.71      | 0.00092 |
| 106.07      | 176.78      | 0.00076 | 98.99       | 183.85      | 0.00064 |
| 91.92       | 190.92      | 0.00054 | 84.85       | 197.99      | 0.00046 |
| 77.78       | 205.06      | 0.00039 | 70.71       | 212.13      | 0.00034 |
| 205.06      | 63.64       | 0.00212 | 197.99      | 70.71       | 0.00242 |
| 190.92      | 77.78       | 0.00278 | 183.85      | 84.85       | 0.00320 |
| 176.78      | 91.92       | 0.00369 | 169.71      | 98.99       | 0.00422 |
| 162.63      | 106.07      | 0.00475 | 155.56      | 113.14      | 0.00519 |
| 152.03      | 116.67      | 0.00532 | 148.49      | 120.21      | 0.00535 |
| 146.37      | 122.33      | 0.00530 | 144.96      | 123.74      | 0.00525 |
| 143.54      | 125.16      | 0.00517 | 142.13      | 126.57      | 0.00507 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 140.71 | 127.99 | 0.00498 | 127.99 | 140.71 | 0.00161 |
| 126.57 | 142.13 | 0.00155 | 125.16 | 143.54 | 0.00151 |
| 123.74 | 144.96 | 0.00147 | 122.33 | 146.37 | 0.00144 |
| 120.21 | 148.49 | 0.00138 | 116.67 | 152.03 | 0.00128 |
| 113.14 | 155.56 | 0.00118 | 106.07 | 162.63 | 0.00100 |
| 98.99  | 169.71 | 0.00084 | 91.92  | 176.78 | 0.00070 |
| 84.85  | 183.85 | 0.00059 | 77.78  | 190.92 | 0.00050 |
| 70.71  | 197.99 | 0.00043 | 63.64  | 205.06 | 0.00037 |
| 197.99 | 56.57  | 0.00206 | 190.92 | 63.64  | 0.00236 |
| 183.85 | 70.71  | 0.00272 | 176.78 | 77.78  | 0.00314 |
| 169.71 | 84.85  | 0.00362 | 162.63 | 91.92  | 0.00417 |
| 155.56 | 98.99  | 0.00472 | 148.49 | 106.07 | 0.00517 |
| 144.96 | 109.60 | 0.00531 | 141.42 | 113.14 | 0.00535 |
| 139.30 | 115.26 | 0.00531 | 137.89 | 116.67 | 0.00526 |
| 136.47 | 118.09 | 0.00519 | 135.06 | 119.50 | 0.00510 |
| 133.64 | 120.92 | 0.00501 | 120.92 | 133.64 | 0.00164 |
| 119.50 | 135.06 | 0.00158 | 118.09 | 136.47 | 0.00153 |
| 116.67 | 137.89 | 0.00149 | 115.26 | 139.30 | 0.00146 |
| 113.14 | 141.42 | 0.00141 | 109.60 | 144.96 | 0.00132 |
| 106.07 | 148.49 | 0.00122 | 98.99  | 155.56 | 0.00104 |
| 91.92  | 162.63 | 0.00088 | 84.85  | 169.71 | 0.00074 |
| 77.78  | 176.78 | 0.00063 | 70.71  | 183.85 | 0.00053 |
| 63.64  | 190.92 | 0.00045 | 56.57  | 197.99 | 0.00039 |

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

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

14:41:32

\*\*MODELOPTS:  
 PAGE 106

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       | 0.00194 | 183.85      | 56.57       | 0.00222 |
| 176.78      | 63.64       | 0.00256 | 169.71      | 70.71       | 0.00296 |
| 162.63      | 77.78       | 0.00343 | 155.56      | 84.85       | 0.00397 |
| 148.49      | 91.92       | 0.00454 | 141.42      | 98.99       | 0.00503 |
| 137.89      | 102.53      | 0.00520 | 134.35      | 106.07      | 0.00527 |
| 132.23      | 108.19      | 0.00526 | 130.81      | 109.60      | 0.00521 |
| 129.40      | 111.02      | 0.00515 | 127.99      | 112.43      | 0.00507 |
| 126.57      | 113.84      | 0.00498 | 113.84      | 126.57      | 0.00164 |
| 112.43      | 127.99      | 0.00158 | 111.02      | 129.40      | 0.00153 |
| 109.60      | 130.81      | 0.00149 | 108.19      | 132.23      | 0.00145 |
| 106.07      | 134.35      | 0.00140 | 102.53      | 137.89      | 0.00132 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 98.99  | 141.42 | 0.00124 | 91.92  | 148.49 | 0.00106 |
| 84.85  | 155.56 | 0.00090 | 77.78  | 162.63 | 0.00076 |
| 70.71  | 169.71 | 0.00065 | 63.64  | 176.78 | 0.00055 |
| 56.57  | 183.85 | 0.00047 | 49.50  | 190.92 | 0.00040 |
| 183.85 | 42.43  | 0.00175 | 176.78 | 49.50  | 0.00200 |
| 169.71 | 56.57  | 0.00230 | 162.63 | 63.64  | 0.00266 |
| 155.56 | 70.71  | 0.00309 | 148.49 | 77.78  | 0.00359 |
| 141.42 | 84.85  | 0.00414 | 134.35 | 91.92  | 0.00468 |
| 130.81 | 95.46  | 0.00490 | 127.28 | 98.99  | 0.00503 |
| 125.16 | 101.12 | 0.00505 | 123.74 | 102.53 | 0.00504 |
| 122.33 | 103.94 | 0.00500 | 120.92 | 105.36 | 0.00494 |
| 119.50 | 106.77 | 0.00487 | 106.77 | 119.50 | 0.00161 |
| 105.36 | 120.92 | 0.00154 | 103.94 | 122.33 | 0.00149 |
| 102.53 | 123.74 | 0.00145 | 101.12 | 125.16 | 0.00142 |
| 98.99  | 127.28 | 0.00137 | 95.46  | 130.81 | 0.00130 |
| 91.92  | 134.35 | 0.00122 | 84.85  | 141.42 | 0.00104 |
| 77.78  | 148.49 | 0.00089 | 70.71  | 155.56 | 0.00075 |
| 63.64  | 162.63 | 0.00064 | 56.57  | 169.71 | 0.00055 |
| 49.50  | 176.78 | 0.00047 | 42.43  | 183.85 | 0.00040 |
| 176.78 | 35.36  | 0.00151 | 169.71 | 42.43  | 0.00171 |
| 162.63 | 49.50  | 0.00195 | 155.56 | 56.57  | 0.00224 |
| 148.49 | 63.64  | 0.00258 | 141.42 | 70.71  | 0.00299 |
| 134.35 | 77.78  | 0.00344 | 127.28 | 84.85  | 0.00395 |
| 123.74 | 88.39  | 0.00419 | 120.21 | 91.92  | 0.00441 |
| 118.09 | 94.05  | 0.00451 | 116.67 | 95.46  | 0.00455 |
| 115.26 | 96.87  | 0.00457 | 113.84 | 98.29  | 0.00458 |
| 112.43 | 99.70  | 0.00457 | 99.70  | 112.43 | 0.00152 |
| 98.29  | 113.84 | 0.00146 | 96.87  | 115.26 | 0.00142 |
| 95.46  | 116.67 | 0.00138 | 94.05  | 118.09 | 0.00135 |

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

14:41:32  
 \*\*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      | 0.00130 | 88.39       | 123.74      | 0.00122 |
| 84.85       | 127.28      | 0.00114 | 77.78       | 134.35      | 0.00099 |
| 70.71       | 141.42      | 0.00084 | 63.64       | 148.49      | 0.00071 |
| 56.57       | 155.56      | 0.00061 | 49.50       | 162.63      | 0.00052 |
| 42.43       | 169.71      | 0.00045 | 35.36       | 176.78      | 0.00039 |



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 169.71 | 28.28  | 0.00126 | 162.63 | 35.36  | 0.00141 |
| 155.56 | 42.43  | 0.00157 | 148.49 | 49.50  | 0.00176 |
| 141.42 | 56.57  | 0.00198 | 134.35 | 63.64  | 0.00221 |
| 127.28 | 70.71  | 0.00245 | 120.21 | 77.78  | 0.00270 |
| 116.67 | 81.32  | 0.00283 | 113.14 | 84.85  | 0.00296 |
| 111.02 | 86.97  | 0.00306 | 109.60 | 88.39  | 0.00313 |
| 108.19 | 89.80  | 0.00321 | 106.77 | 91.22  | 0.00332 |
| 105.36 | 92.63  | 0.00346 | 92.63  | 105.36 | 0.00134 |
| 91.22  | 106.77 | 0.00128 | 89.80  | 108.19 | 0.00123 |
| 88.39  | 109.60 | 0.00120 | 86.97  | 111.02 | 0.00116 |
| 84.85  | 113.14 | 0.00112 | 81.32  | 116.67 | 0.00105 |
| 77.78  | 120.21 | 0.00099 | 70.71  | 127.28 | 0.00086 |
| 63.64  | 134.35 | 0.00075 | 56.57  | 141.42 | 0.00064 |
| 49.50  | 148.49 | 0.00056 | 42.43  | 155.56 | 0.00048 |
| 35.36  | 162.63 | 0.00042 | 28.28  | 169.71 | 0.00037 |
| 162.63 | 21.21  | 0.00104 | 155.56 | 28.28  | 0.00113 |
| 148.49 | 35.36  | 0.00123 | 141.42 | 42.43  | 0.00134 |
| 134.35 | 49.50  | 0.00144 | 127.28 | 56.57  | 0.00152 |
| 120.21 | 63.64  | 0.00157 | 113.14 | 70.71  | 0.00155 |
| 109.60 | 74.25  | 0.00151 | 106.07 | 77.78  | 0.00143 |
| 103.94 | 79.90  | 0.00137 | 102.53 | 81.32  | 0.00132 |
| 101.12 | 82.73  | 0.00127 | 99.70  | 84.15  | 0.00122 |
| 98.29  | 85.56  | 0.00116 | 85.56  | 98.29  | 0.00086 |
| 84.15  | 99.70  | 0.00085 | 82.73  | 101.12 | 0.00084 |
| 81.32  | 102.53 | 0.00083 | 79.90  | 103.94 | 0.00083 |
| 77.78  | 106.07 | 0.00081 | 74.25  | 109.60 | 0.00079 |
| 70.71  | 113.14 | 0.00077 | 63.64  | 120.21 | 0.00070 |
| 56.57  | 127.28 | 0.00063 | 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  | 0.00085 | 148.49 | 21.21  | 0.00090 |
| 141.42 | 28.28  | 0.00096 | 134.35 | 35.36  | 0.00101 |
| 127.28 | 42.43  | 0.00105 | 120.21 | 49.50  | 0.00106 |
| 113.14 | 56.57  | 0.00104 | 106.07 | 63.64  | 0.00097 |
| 102.53 | 67.18  | 0.00092 | 98.99  | 70.71  | 0.00086 |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\* \*\*\* NCRA Cumulative DPM Impacts \*\*\*  
 04/20/08  
 \*\*\* Maximum train overlap at NE/SW Bound Direction \*\*\*  
 14:41:32  
 \*\*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 \*\*

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound  
CONC

| X-COORD (M) | Y-COORD (M) | CONC    | X-COORD (M) | Y-COORD (M) | CONC    |
|-------------|-------------|---------|-------------|-------------|---------|
| 96.87       | 72.83       | 0.00083 | 95.46       | 74.25       | 0.00081 |
| 94.05       | 75.66       | 0.00079 | 92.63       | 77.07       | 0.00078 |
| 91.22       | 78.49       | 0.00077 | 78.49       | 91.22       | 0.00065 |
| 77.07       | 92.63       | 0.00062 | 75.66       | 94.05       | 0.00061 |
| 74.25       | 95.46       | 0.00060 | 72.83       | 96.87       | 0.00059 |
| 70.71       | 98.99       | 0.00058 | 67.18       | 102.53      | 0.00058 |
| 63.64       | 106.07      | 0.00057 | 56.57       | 113.14      | 0.00055 |
| 49.50       | 120.21      | 0.00052 | 42.43       | 127.28      | 0.00047 |
| 35.36       | 134.35      | 0.00042 | 28.28       | 141.42      | 0.00038 |
| 21.21       | 148.49      | 0.00034 | 14.14       | 155.56      | 0.00031 |
| 148.49      | 7.07        | 0.00069 | 141.42      | 14.14       | 0.00072 |
| 134.35      | 21.21       | 0.00075 | 127.28      | 28.28       | 0.00077 |
| 120.21      | 35.36       | 0.00077 | 113.14      | 42.43       | 0.00076 |
| 106.07      | 49.50       | 0.00073 | 98.99       | 56.57       | 0.00068 |
| 95.46       | 60.10       | 0.00065 | 91.92       | 63.64       | 0.00063 |
| 89.80       | 65.76       | 0.00062 | 88.39       | 67.18       | 0.00062 |
| 86.97       | 68.59       | 0.00062 | 85.56       | 70.00       | 0.00062 |
| 84.15       | 71.42       | 0.00062 | 71.42       | 84.15       | 0.00055 |
| 70.00       | 85.56       | 0.00052 | 68.59       | 86.97       | 0.00050 |
| 67.18       | 88.39       | 0.00048 | 65.76       | 89.80       | 0.00047 |
| 63.64       | 91.92       | 0.00046 | 60.10       | 95.46       | 0.00044 |
| 56.57       | 98.99       | 0.00044 | 49.50       | 106.07      | 0.00043 |
| 42.43       | 113.14      | 0.00042 | 35.36       | 120.21      | 0.00039 |
| 28.28       | 127.28      | 0.00036 | 21.21       | 134.35      | 0.00033 |
| 14.14       | 141.42      | 0.00030 | 7.07        | 148.49      | 0.00028 |
| 141.42      | 0.00        | 0.00056 | 134.35      | 7.07        | 0.00058 |
| 127.28      | 14.14       | 0.00059 | 120.21      | 21.21       | 0.00059 |
| 113.14      | 28.28       | 0.00058 | 106.07      | 35.36       | 0.00056 |
| 98.99       | 42.43       | 0.00054 | 91.92       | 49.50       | 0.00051 |
| 88.39       | 53.03       | 0.00051 | 84.85       | 56.57       | 0.00051 |
| 82.73       | 58.69       | 0.00051 | 81.32       | 60.10       | 0.00051 |
| 79.90       | 61.52       | 0.00051 | 78.49       | 62.93       | 0.00051 |
| 77.07       | 64.35       | 0.00051 | 64.35       | 77.07       | 0.00047 |
| 62.93       | 78.49       | 0.00045 | 61.52       | 79.90       | 0.00043 |
| 60.10       | 81.32       | 0.00041 | 58.69       | 82.73       | 0.00040 |
| 56.57       | 84.85       | 0.00038 | 53.03       | 88.39       | 0.00036 |
| 49.50       | 91.92       | 0.00035 | 42.43       | 98.99       | 0.00034 |
| 35.36       | 106.07      | 0.00033 | 28.28       | 113.14      | 0.00032 |
| 21.21       | 120.21      | 0.00031 | 14.14       | 127.28      | 0.00029 |
| 7.07        | 134.35      | 0.00027 | 0.00        | 141.42      | 0.00025 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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

\*\*\*

14:41:32

\*\*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       | 0.00046 | 127.28      | 0.00        | 0.00046 |
| 120.21      | 7.07        | 0.00046 | 113.14      | 14.14       | 0.00046 |
| 106.07      | 21.21       | 0.00045 | 98.99       | 28.28       | 0.00044 |
| 91.92       | 35.36       | 0.00042 | 84.85       | 42.43       | 0.00041 |
| 81.32       | 45.96       | 0.00042 | 77.78       | 49.50       | 0.00042 |
| 75.66       | 51.62       | 0.00043 | 74.25       | 53.03       | 0.00043 |
| 72.83       | 54.45       | 0.00043 | 71.42       | 55.86       | 0.00043 |
| 70.00       | 57.28       | 0.00043 | 57.28       | 70.00       | 0.00041 |
| 55.86       | 71.42       | 0.00039 | 54.45       | 72.83       | 0.00038 |
| 53.03       | 74.25       | 0.00036 | 51.62       | 75.66       | 0.00035 |
| 49.50       | 77.78       | 0.00033 | 45.96       | 81.32       | 0.00030 |
| 42.43       | 84.85       | 0.00029 | 35.36       | 91.92       | 0.00028 |
| 28.28       | 98.99       | 0.00027 | 21.21       | 106.07      | 0.00026 |
| 14.14       | 113.14      | 0.00026 | 7.07        | 120.21      | 0.00024 |
| 0.00        | 127.28      | 0.00023 | -7.07       | 134.35      | 0.00022 |
| 127.28      | -14.14      | 0.00038 | 120.21      | -7.07       | 0.00038 |
| 113.14      | 0.00        | 0.00037 | 106.07      | 7.07        | 0.00037 |
| 98.99       | 14.14       | 0.00036 | 91.92       | 21.21       | 0.00035 |
| 84.85       | 28.28       | 0.00034 | 77.78       | 35.36       | 0.00035 |
| 74.25       | 38.89       | 0.00035 | 70.71       | 42.43       | 0.00036 |
| 68.59       | 44.55       | 0.00036 | 67.18       | 45.96       | 0.00036 |
| 65.76       | 47.38       | 0.00036 | 64.35       | 48.79       | 0.00036 |
| 62.93       | 50.20       | 0.00036 | 50.20       | 62.93       | 0.00035 |
| 48.79       | 64.35       | 0.00034 | 47.38       | 65.76       | 0.00033 |
| 45.96       | 67.18       | 0.00032 | 44.55       | 68.59       | 0.00031 |
| 42.43       | 70.71       | 0.00029 | 38.89       | 74.25       | 0.00026 |
| 35.36       | 77.78       | 0.00025 | 28.28       | 84.85       | 0.00023 |
| 21.21       | 91.92       | 0.00023 | 14.14       | 98.99       | 0.00022 |
| 7.07        | 106.07      | 0.00021 | 0.00        | 113.14      | 0.00021 |
| -7.07       | 120.21      | 0.00020 | -14.14      | 127.28      | 0.00019 |
| 120.21      | -21.21      | 0.00031 | 113.14      | -14.14      | 0.00031 |
| 106.07      | -7.07       | 0.00031 | 98.99       | 0.00        | 0.00030 |
| 91.92       | 7.07        | 0.00029 | 84.85       | 14.14       | 0.00029 |
| 77.78       | 21.21       | 0.00029 | 70.71       | 28.28       | 0.00030 |
| 67.18       | 31.82       | 0.00030 | 63.64       | 35.36       | 0.00030 |
| 61.52       | 37.48       | 0.00031 | 60.10       | 38.89       | 0.00031 |
| 58.69       | 40.31       | 0.00031 | 57.28       | 41.72       | 0.00031 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|       |       |         |       |       |         |
|-------|-------|---------|-------|-------|---------|
| 55.86 | 43.13 | 0.00031 | 43.13 | 55.86 | 0.00030 |
| 41.72 | 57.28 | 0.00030 | 40.31 | 58.69 | 0.00029 |
| 38.89 | 60.10 | 0.00028 | 37.48 | 61.52 | 0.00027 |

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

14:41:32

\*\*MODELOPTs:

PAGE 110

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       | 0.00026 | 31.82       | 67.18       | 0.00023 |
| 28.28       | 70.71       | 0.00022 | 21.21       | 77.78       | 0.00020 |
| 14.14       | 84.85       | 0.00019 | 7.07        | 91.92       | 0.00019 |
| 0.00        | 98.99       | 0.00018 | -7.07       | 106.07      | 0.00018 |
| -14.14      | 113.14      | 0.00017 | -21.21      | 120.21      | 0.00016 |
| 113.14      | -28.28      | 0.00026 | 106.07      | -21.21      | 0.00026 |
| 98.99       | -14.14      | 0.00025 | 91.92       | -7.07       | 0.00025 |
| 84.85       | 0.00        | 0.00024 | 77.78       | 7.07        | 0.00024 |
| 70.71       | 14.14       | 0.00025 | 63.64       | 21.21       | 0.00026 |
| 60.10       | 24.75       | 0.00026 | 56.57       | 28.28       | 0.00026 |
| 54.45       | 30.41       | 0.00026 | 53.03       | 31.82       | 0.00026 |
| 51.62       | 33.23       | 0.00026 | 50.20       | 34.65       | 0.00027 |
| 48.79       | 36.06       | 0.00027 | 36.06       | 48.79       | 0.00026 |
| 34.65       | 50.20       | 0.00026 | 33.23       | 51.62       | 0.00025 |
| 31.82       | 53.03       | 0.00025 | 30.41       | 54.45       | 0.00024 |
| 28.28       | 56.57       | 0.00023 | 24.75       | 60.10       | 0.00021 |
| 21.21       | 63.64       | 0.00019 | 14.14       | 70.71       | 0.00017 |
| 7.07        | 77.78       | 0.00017 | 0.00        | 84.85       | 0.00016 |
| -7.07       | 91.92       | 0.00016 | -14.14      | 98.99       | 0.00015 |
| -21.21      | 106.07      | 0.00015 | -28.28      | 113.14      | 0.00014 |
| 106.07      | -35.36      | 0.00022 | 98.99       | -28.28      | 0.00022 |
| 91.92       | -21.21      | 0.00021 | 84.85       | -14.14      | 0.00021 |
| 77.78       | -7.07       | 0.00021 | 70.71       | 0.00        | 0.00021 |
| 63.64       | 7.07        | 0.00022 | 56.57       | 14.14       | 0.00023 |
| 53.03       | 17.68       | 0.00023 | 49.50       | 21.21       | 0.00023 |
| 47.38       | 23.33       | 0.00023 | 45.96       | 24.75       | 0.00023 |
| 44.55       | 26.16       | 0.00023 | 43.13       | 27.58       | 0.00023 |
| 41.72       | 28.99       | 0.00023 | 28.99       | 41.72       | 0.00023 |
| 27.58       | 43.13       | 0.00023 | 26.16       | 44.55       | 0.00022 |
| 24.75       | 45.96       | 0.00022 | 23.33       | 47.38       | 0.00021 |
| 21.21       | 49.50       | 0.00021 | 17.68       | 53.03       | 0.00019 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 14.14  | 56.57  | 0.00017 | 7.07   | 63.64  | 0.00015 |
| 0.00   | 70.71  | 0.00014 | -7.07  | 77.78  | 0.00014 |
| -14.14 | 84.85  | 0.00014 | -21.21 | 91.92  | 0.00014 |
| -28.28 | 98.99  | 0.00013 | -35.36 | 106.07 | 0.00013 |
| 98.99  | -42.43 | 0.00019 | 91.92  | -35.36 | 0.00019 |
| 84.85  | -28.28 | 0.00018 | 77.78  | -21.21 | 0.00018 |
| 70.71  | -14.14 | 0.00018 | 63.64  | -7.07  | 0.00019 |
| 56.57  | 0.00   | 0.00019 | 49.50  | 7.07   | 0.00020 |
| 45.96  | 10.61  | 0.00020 | 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      \*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 111

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       | 0.00020 |
| 37.48       | 19.09       | 0.00020 | 36.06       | 20.51       | 0.00020 |
| 34.65       | 21.92       | 0.00020 | 21.92       | 34.65       | 0.00020 |
| 20.51       | 36.06       | 0.00020 | 19.09       | 37.48       | 0.00020 |
| 17.68       | 38.89       | 0.00020 | 16.26       | 40.31       | 0.00019 |
| 14.14       | 42.43       | 0.00018 | 10.61       | 45.96       | 0.00017 |
| 7.07        | 49.50       | 0.00016 | 0.00        | 56.57       | 0.00014 |
| -7.07       | 63.64       | 0.00013 | -14.14      | 70.71       | 0.00012 |
| -21.21      | 77.78       | 0.00012 | -28.28      | 84.85       | 0.00012 |
| -35.36      | 91.92       | 0.00012 | -42.43      | 98.99       | 0.00011 |
| 91.92       | -49.50      | 0.00016 | 84.85       | -42.43      | 0.00016 |
| 77.78       | -35.36      | 0.00016 | 70.71       | -28.28      | 0.00016 |
| 63.64       | -21.21      | 0.00016 | 56.57       | -14.14      | 0.00017 |
| 49.50       | -7.07       | 0.00017 | 42.43       | 0.00        | 0.00017 |
| 38.89       | 3.54        | 0.00018 | 35.36       | 7.07        | 0.00018 |
| 33.23       | 9.19        | 0.00018 | 31.82       | 10.61       | 0.00018 |
| 30.41       | 12.02       | 0.00018 | 28.99       | 13.44       | 0.00018 |
| 27.58       | 14.85       | 0.00018 | 14.85       | 27.58       | 0.00018 |
| 13.44       | 28.99       | 0.00018 | 12.02       | 30.41       | 0.00018 |
| 10.61       | 31.82       | 0.00017 | 9.19        | 33.23       | 0.00017 |
| 7.07        | 35.36       | 0.00017 | 3.54        | 38.89       | 0.00016 |
| 0.00        | 42.43       | 0.00015 | -7.07       | 49.50       | 0.00013 |
| -14.14      | 56.57       | 0.00011 | -21.21      | 63.64       | 0.00011 |
| -28.28      | 70.71       | 0.00011 | -35.36      | 77.78       | 0.00011 |
| -42.43      | 84.85       | 0.00011 | -49.50      | 91.92       | 0.00010 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 84.85  | -56.57 | 0.00014 | 77.78  | -49.50 | 0.00014 |
| 70.71  | -42.43 | 0.00014 | 63.64  | -35.36 | 0.00014 |
| 56.57  | -28.28 | 0.00015 | 49.50  | -21.21 | 0.00015 |
| 42.43  | -14.14 | 0.00015 | 35.36  | -7.07  | 0.00016 |
| 31.82  | -3.54  | 0.00016 | 28.28  | 0.00   | 0.00016 |
| 26.16  | 2.12   | 0.00016 | 24.75  | 3.54   | 0.00016 |
| 23.33  | 4.95   | 0.00016 | 21.92  | 6.36   | 0.00016 |
| 20.51  | 7.78   | 0.00016 | 7.78   | 20.51  | 0.00016 |
| 6.36   | 21.92  | 0.00016 | 4.95   | 23.33  | 0.00016 |
| 3.54   | 24.75  | 0.00016 | 2.12   | 26.16  | 0.00015 |
| 0.00   | 28.28  | 0.00015 | -3.54  | 31.82  | 0.00014 |
| -7.07  | 35.36  | 0.00013 | -14.14 | 42.43  | 0.00012 |
| -21.21 | 49.50  | 0.00010 | -28.28 | 56.57  | 0.00010 |
| -35.36 | 63.64  | 0.00010 | -42.43 | 70.71  | 0.00010 |
| -49.50 | 77.78  | 0.00010 | -56.57 | 84.85  | 0.00009 |

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

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

14:41:32

\*\*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      | 0.00012 | 70.71       | -56.57      | 0.00012 |
| 63.64       | -49.50      | 0.00013 | 56.57       | -42.43      | 0.00013 |
| 49.50       | -35.36      | 0.00013 | 42.43       | -28.28      | 0.00014 |
| 35.36       | -21.21      | 0.00014 | 28.28       | -14.14      | 0.00014 |
| 24.75       | -10.61      | 0.00014 | 21.21       | -7.07       | 0.00014 |
| 19.09       | -4.95       | 0.00014 | 17.68       | -3.54       | 0.00014 |
| 16.26       | -2.12       | 0.00014 | 14.85       | -0.71       | 0.00014 |
| 13.44       | 0.71        | 0.00014 | 0.71        | 13.44       | 0.00014 |
| -0.71       | 14.85       | 0.00014 | -2.12       | 16.26       | 0.00014 |
| -3.54       | 17.68       | 0.00014 | -4.95       | 19.09       | 0.00014 |
| -7.07       | 21.21       | 0.00014 | -10.61      | 24.75       | 0.00013 |
| -14.14      | 28.28       | 0.00012 | -21.21      | 35.36       | 0.00011 |
| -28.28      | 42.43       | 0.00010 | -35.36      | 49.50       | 0.00009 |
| -42.43      | 56.57       | 0.00009 | -49.50      | 63.64       | 0.00009 |
| -56.57      | 70.71       | 0.00009 | -63.64      | 77.78       | 0.00008 |
| 70.71       | -70.71      | 0.00011 | 63.64       | -63.64      | 0.00011 |
| 56.57       | -56.57      | 0.00011 | 49.50       | -49.50      | 0.00012 |
| 42.43       | -42.43      | 0.00012 | 35.36       | -35.36      | 0.00012 |
| 28.28       | -28.28      | 0.00012 | 21.21       | -21.21      | 0.00013 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

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

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 113

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        | 0.00011 | -24.75      | 10.61       | 0.00011 |
| -28.28      | 14.14       | 0.00010 | -35.36      | 21.21       | 0.00009 |
| -42.43      | 28.28       | 0.00008 | -49.50      | 35.36       | 0.00007 |
| -56.57      | 42.43       | 0.00007 | -63.64      | 49.50       | 0.00007 |
| -70.71      | 56.57       | 0.00007 | -77.78      | 63.64       | 0.00007 |
| 56.57       | -84.85      | 0.00009 | 49.50       | -77.78      | 0.00009 |
| 42.43       | -70.71      | 0.00010 | 35.36       | -63.64      | 0.00010 |
| 28.28       | -56.57      | 0.00010 | 21.21       | -49.50      | 0.00010 |
| 14.14       | -42.43      | 0.00010 | 7.07        | -35.36      | 0.00010 |
| 3.54        | -31.82      | 0.00010 | 0.00        | -28.28      | 0.00010 |
| -2.12       | -26.16      | 0.00011 | -3.54       | -24.75      | 0.00011 |
| -4.95       | -23.33      | 0.00011 | -6.36       | -21.92      | 0.00011 |
| -7.78       | -20.51      | 0.00011 | -20.51      | -7.78       | 0.00011 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -21.92 | -6.36  | 0.00011 | -23.33 | -4.95  | 0.00011 |
| -24.75 | -3.54  | 0.00011 | -26.16 | -2.12  | 0.00010 |
| -28.28 | 0.00   | 0.00010 | -31.82 | 3.54   | 0.00010 |
| -35.36 | 7.07   | 0.00010 | -42.43 | 14.14  | 0.00009 |
| -49.50 | 21.21  | 0.00008 | -56.57 | 28.28  | 0.00007 |
| -63.64 | 35.36  | 0.00006 | -70.71 | 42.43  | 0.00006 |
| -77.78 | 49.50  | 0.00006 | -84.85 | 56.57  | 0.00006 |
| 49.50  | -91.92 | 0.00008 | 42.43  | -84.85 | 0.00009 |
| 35.36  | -77.78 | 0.00009 | 28.28  | -70.71 | 0.00009 |
| 21.21  | -63.64 | 0.00009 | 14.14  | -56.57 | 0.00009 |
| 7.07   | -49.50 | 0.00009 | 0.00   | -42.43 | 0.00009 |
| -3.54  | -38.89 | 0.00010 | -7.07  | -35.36 | 0.00010 |
| -9.19  | -33.23 | 0.00010 | -10.61 | -31.82 | 0.00010 |
| -12.02 | -30.41 | 0.00010 | -13.44 | -28.99 | 0.00010 |
| -14.85 | -27.58 | 0.00010 | -27.58 | -14.85 | 0.00010 |
| -28.99 | -13.44 | 0.00010 | -30.41 | -12.02 | 0.00010 |
| -31.82 | -10.61 | 0.00010 | -33.23 | -9.19  | 0.00010 |
| -35.36 | -7.07  | 0.00010 | -38.89 | -3.54  | 0.00009 |
| -42.43 | 0.00   | 0.00009 | -49.50 | 7.07   | 0.00008 |
| -56.57 | 14.14  | 0.00007 | -63.64 | 21.21  | 0.00007 |
| -70.71 | 28.28  | 0.00006 | -77.78 | 35.36  | 0.00006 |
| -84.85 | 42.43  | 0.00006 | -91.92 | 49.50  | 0.00006 |
| 42.43  | -98.99 | 0.00008 | 35.36  | -91.92 | 0.00008 |
| 28.28  | -84.85 | 0.00008 | 21.21  | -77.78 | 0.00008 |
| 14.14  | -70.71 | 0.00009 | 7.07   | -63.64 | 0.00009 |
| 0.00   | -56.57 | 0.00009 | -7.07  | -49.50 | 0.00009 |
| -10.61 | -45.96 | 0.00009 | -14.14 | -42.43 | 0.00009 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 114  
 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      | 0.00009 | -17.68      | -38.89      | 0.00009 |
| -19.09      | -37.48      | 0.00009 | -20.51      | -36.06      | 0.00009 |
| -21.92      | -34.65      | 0.00009 | -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      | 0.00009 | -45.96      | -10.61      | 0.00009 |
| -49.50      | -7.07       | 0.00008 | -56.57      | 0.00        | 0.00008 |



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -63.64  | 7.07    | 0.00007 | -70.71  | 14.14   | 0.00006 |
| -77.78  | 21.21   | 0.00006 | -84.85  | 28.28   | 0.00005 |
| -91.92  | 35.36   | 0.00005 | -98.99  | 42.43   | 0.00005 |
| 35.36   | -106.07 | 0.00007 | 28.28   | -98.99  | 0.00007 |
| 21.21   | -91.92  | 0.00008 | 14.14   | -84.85  | 0.00008 |
| 7.07    | -77.78  | 0.00008 | 0.00    | -70.71  | 0.00008 |
| -7.07   | -63.64  | 0.00008 | -14.14  | -56.57  | 0.00008 |
| -17.68  | -53.03  | 0.00008 | -21.21  | -49.50  | 0.00008 |
| -23.33  | -47.38  | 0.00008 | -24.75  | -45.96  | 0.00008 |
| -26.16  | -44.55  | 0.00008 | -27.58  | -43.13  | 0.00008 |
| -28.99  | -41.72  | 0.00008 | -41.72  | -28.99  | 0.00008 |
| -43.13  | -27.58  | 0.00008 | -44.55  | -26.16  | 0.00008 |
| -45.96  | -24.75  | 0.00008 | -47.38  | -23.33  | 0.00008 |
| -49.50  | -21.21  | 0.00008 | -53.03  | -17.68  | 0.00008 |
| -56.57  | -14.14  | 0.00008 | -63.64  | -7.07   | 0.00007 |
| -70.71  | 0.00    | 0.00006 | -77.78  | 7.07    | 0.00006 |
| -84.85  | 14.14   | 0.00005 | -91.92  | 21.21   | 0.00005 |
| -98.99  | 28.28   | 0.00005 | -106.07 | 35.36   | 0.00005 |
| 28.28   | -113.14 | 0.00007 | 21.21   | -106.07 | 0.00007 |
| 14.14   | -98.99  | 0.00007 | 7.07    | -91.92  | 0.00007 |
| 0.00    | -84.85  | 0.00007 | -7.07   | -77.78  | 0.00007 |
| -14.14  | -70.71  | 0.00007 | -21.21  | -63.64  | 0.00007 |
| -24.75  | -60.10  | 0.00007 | -28.28  | -56.57  | 0.00008 |
| -30.41  | -54.45  | 0.00008 | -31.82  | -53.03  | 0.00008 |
| -33.23  | -51.62  | 0.00008 | -34.65  | -50.20  | 0.00008 |
| -36.06  | -48.79  | 0.00008 | -48.79  | -36.06  | 0.00008 |
| -50.20  | -34.65  | 0.00008 | -51.62  | -33.23  | 0.00008 |
| -53.03  | -31.82  | 0.00008 | -54.45  | -30.41  | 0.00008 |
| -56.57  | -28.28  | 0.00008 | -60.10  | -24.75  | 0.00007 |
| -63.64  | -21.21  | 0.00007 | -70.71  | -14.14  | 0.00007 |
| -77.78  | -7.07   | 0.00006 | -84.85  | 0.00    | 0.00006 |
| -91.92  | 7.07    | 0.00005 | -98.99  | 14.14   | 0.00005 |
| -106.07 | 21.21   | 0.00005 | -113.14 | 28.28   | 0.00004 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 115  
 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     | 0.00006 | 14.14       | -113.14     | 0.00007 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| 7.07    | -106.07 | 0.00007 | 0.00    | -98.99  | 0.00007 |
| -7.07   | -91.92  | 0.00007 | -14.14  | -84.85  | 0.00007 |
| -21.21  | -77.78  | 0.00007 | -28.28  | -70.71  | 0.00007 |
| -31.82  | -67.18  | 0.00007 | -35.36  | -63.64  | 0.00007 |
| -37.48  | -61.52  | 0.00007 | -38.89  | -60.10  | 0.00007 |
| -40.31  | -58.69  | 0.00007 | -41.72  | -57.28  | 0.00007 |
| -43.13  | -55.86  | 0.00007 | -55.86  | -43.13  | 0.00007 |
| -57.28  | -41.72  | 0.00007 | -58.69  | -40.31  | 0.00007 |
| -60.10  | -38.89  | 0.00007 | -61.52  | -37.48  | 0.00007 |
| -63.64  | -35.36  | 0.00007 | -67.18  | -31.82  | 0.00007 |
| -70.71  | -28.28  | 0.00007 | -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    | 0.00004 |
| -113.14 | 14.14   | 0.00004 | -120.21 | 21.21   | 0.00004 |
| 14.14   | -127.28 | 0.00006 | 7.07    | -120.21 | 0.00006 |
| 0.00    | -113.14 | 0.00006 | -7.07   | -106.07 | 0.00006 |
| -14.14  | -98.99  | 0.00006 | -21.21  | -91.92  | 0.00006 |
| -28.28  | -84.85  | 0.00006 | -35.36  | -77.78  | 0.00006 |
| -38.89  | -74.25  | 0.00006 | -42.43  | -70.71  | 0.00007 |
| -44.55  | -68.59  | 0.00007 | -45.96  | -67.18  | 0.00007 |
| -47.38  | -65.76  | 0.00007 | -48.79  | -64.35  | 0.00007 |
| -50.20  | -62.93  | 0.00007 | -62.93  | -50.20  | 0.00007 |
| -64.35  | -48.79  | 0.00007 | -65.76  | -47.38  | 0.00007 |
| -67.18  | -45.96  | 0.00007 | -68.59  | -44.55  | 0.00007 |
| -70.71  | -42.43  | 0.00007 | -74.25  | -38.89  | 0.00006 |
| -77.78  | -35.36  | 0.00006 | -84.85  | -28.28  | 0.00006 |
| -91.92  | -21.21  | 0.00006 | -98.99  | -14.14  | 0.00005 |
| -106.07 | -7.07   | 0.00005 | -113.14 | 0.00    | 0.00004 |
| -120.21 | 7.07    | 0.00004 | -127.28 | 14.14   | 0.00004 |
| 7.07    | -134.35 | 0.00006 | 0.00    | -127.28 | 0.00006 |
| -7.07   | -120.21 | 0.00006 | -14.14  | -113.14 | 0.00006 |
| -21.21  | -106.07 | 0.00006 | -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  | 0.00006 |
| -51.62  | -75.66  | 0.00006 | -53.03  | -74.25  | 0.00006 |
| -54.45  | -72.83  | 0.00006 | -55.86  | -71.42  | 0.00006 |
| -57.28  | -70.00  | 0.00006 | -70.00  | -57.28  | 0.00006 |
| -71.42  | -55.86  | 0.00006 | -72.83  | -54.45  | 0.00006 |
| -74.25  | -53.03  | 0.00006 | -75.66  | -51.62  | 0.00006 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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

\*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 116

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      | 0.00006          | -81.32             | -45.96      | 0.00006 |
| -84.85      | -42.43      | 0.00006          | -91.92             | -35.36      | 0.00006 |
| -98.99      | -28.28      | 0.00005          | -106.07            | -21.21      | 0.00005 |
| -113.14     | -14.14      | 0.00004          | -120.21            | -7.07       | 0.00004 |
| -127.28     | 0.00        | 0.00004          | -134.35            | 7.07        | 0.00004 |
| 0.00        | -141.42     | 0.00005          | -7.07              | -134.35     | 0.00005 |
| -14.14      | -127.28     | 0.00005          | -21.21             | -120.21     | 0.00005 |
| -28.28      | -113.14     | 0.00006          | -35.36             | -106.07     | 0.00006 |
| -42.43      | -98.99      | 0.00006          | -49.50             | -91.92      | 0.00006 |
| -53.03      | -88.39      | 0.00006          | -56.57             | -84.85      | 0.00006 |
| -58.69      | -82.73      | 0.00006          | -60.10             | -81.32      | 0.00006 |
| -61.52      | -79.90      | 0.00006          | -62.93             | -78.49      | 0.00006 |
| -64.35      | -77.07      | 0.00006          | -77.07             | -64.35      | 0.00006 |
| -78.49      | -62.93      | 0.00006          | -79.90             | -61.52      | 0.00006 |
| -81.32      | -60.10      | 0.00006          | -82.73             | -58.69      | 0.00006 |
| -84.85      | -56.57      | 0.00006          | -88.39             | -53.03      | 0.00006 |
| -91.92      | -49.50      | 0.00006          | -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        | 0.00003 |
| -7.07       | -148.49     | 0.00005          | -14.14             | -141.42     | 0.00005 |
| -21.21      | -134.35     | 0.00005          | -28.28             | -127.28     | 0.00005 |
| -35.36      | -120.21     | 0.00005          | -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      | 0.00005 |
| -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      | 0.00005          | -120.21            | -35.36      | 0.00004 |
| -127.28     | -28.28      | 0.00004          | -134.35            | -21.21      | 0.00004 |
| -141.42     | -14.14      | 0.00003          | -148.49            | -7.07       | 0.00003 |
| -14.14      | -155.56     | 0.00005          | -21.21             | -148.49     | 0.00005 |
| -28.28      | -141.42     | 0.00005          | -35.36             | -134.35     | 0.00005 |
| -42.43      | -127.28     | 0.00005          | -49.50             | -120.21     | 0.00005 |
| -56.57      | -113.14     | 0.00005          | -63.64             | -106.07     | 0.00005 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

-67.18      -102.53      0.00005      -70.71      -98.99      0.00005

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

14:41:32

\*\*MODELOPTs:  
 PAGE 117

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      | 0.00005 | -74.25      | -95.46      | 0.00005 |
| -75.66      | -94.05      | 0.00005 | -77.07      | -92.63      | 0.00005 |
| -78.49      | -91.22      | 0.00005 | -91.22      | -78.49      | 0.00005 |
| -92.63      | -77.07      | 0.00005 | -94.05      | -75.66      | 0.00005 |
| -95.46      | -74.25      | 0.00005 | -96.87      | -72.83      | 0.00005 |
| -98.99      | -70.71      | 0.00005 | -102.53     | -67.18      | 0.00005 |
| -106.07     | -63.64      | 0.00005 | -113.14     | -56.57      | 0.00005 |
| -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      | 0.00003 | -155.56     | -14.14      | 0.00003 |
| -21.21      | -162.63     | 0.00004 | -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     | 0.00005 |
| -74.25      | -109.60     | 0.00005 | -77.78      | -106.07     | 0.00005 |
| -79.90      | -103.94     | 0.00005 | -81.32      | -102.53     | 0.00005 |
| -82.73      | -101.12     | 0.00005 | -84.15      | -99.70      | 0.00005 |
| -85.56      | -98.29      | 0.00005 | -98.29      | -85.56      | 0.00005 |
| -99.70      | -84.15      | 0.00005 | -101.12     | -82.73      | 0.00005 |
| -102.53     | -81.32      | 0.00005 | -103.94     | -79.90      | 0.00005 |
| -106.07     | -77.78      | 0.00005 | -109.60     | -74.25      | 0.00005 |
| -113.14     | -70.71      | 0.00005 | -120.21     | -63.64      | 0.00005 |
| -127.28     | -56.57      | 0.00004 | -134.35     | -49.50      | 0.00004 |
| -141.42     | -42.43      | 0.00004 | -148.49     | -35.36      | 0.00003 |
| -155.56     | -28.28      | 0.00003 | -162.63     | -21.21      | 0.00003 |
| -28.28      | -169.71     | 0.00004 | -35.36      | -162.63     | 0.00004 |
| -42.43      | -155.56     | 0.00004 | -49.50      | -148.49     | 0.00004 |
| -56.57      | -141.42     | 0.00004 | -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      | 0.00005 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -106.77 | -91.22 | 0.00005 | -108.19 | -89.80 | 0.00005 |
| -109.60 | -88.39 | 0.00005 | -111.02 | -86.97 | 0.00005 |
| -113.14 | -84.85 | 0.00005 | -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 \*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 118

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     | 0.00004 | -42.43      | -169.71     | 0.00004 |
| -49.50      | -162.63     | 0.00004 | -56.57      | -155.56     | 0.00004 |
| -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      | 0.00004 |
| -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     | 0.00004 | -49.50      | -176.78     | 0.00004 |
| -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     | 0.00004 |
| -101.12     | -125.16     | 0.00004 | -102.53     | -123.74     | 0.00004 |
| -103.94     | -122.33     | 0.00004 | -105.36     | -120.92     | 0.00004 |
| -106.77     | -119.50     | 0.00004 | -119.50     | -106.77     | 0.00004 |
| -120.92     | -105.36     | 0.00004 | -122.33     | -103.94     | 0.00004 |
| -123.74     | -102.53     | 0.00004 | -125.16     | -101.12     | 0.00004 |
| -127.28     | -98.99      | 0.00004 | -130.81     | -95.46      | 0.00004 |
| -134.35     | -91.92      | 0.00004 | -141.42     | -84.85      | 0.00004 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -148.49 | -77.78  | 0.00004 | -155.56 | -70.71  | 0.00004 |
| -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 | 0.00004 |
| -102.53 | -137.89 | 0.00004 | -106.07 | -134.35 | 0.00004 |
| -108.19 | -132.23 | 0.00004 | -109.60 | -130.81 | 0.00004 |
| -111.02 | -129.40 | 0.00004 | -112.43 | -127.99 | 0.00004 |
| -113.84 | -126.57 | 0.00004 | -126.57 | -113.84 | 0.00004 |
| -127.99 | -112.43 | 0.00004 | -129.40 | -111.02 | 0.00004 |
| -130.81 | -109.60 | 0.00004 | -132.23 | -108.19 | 0.00004 |

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

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

14:41:32

\*\*MODELOPTs:  
 PAGE 119

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     | 0.00004 | -137.89     | -102.53     | 0.00004 |
| -141.42     | -98.99      | 0.00004 | -148.49     | -91.92      | 0.00004 |
| -155.56     | -84.85      | 0.00004 | -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     | 0.00003 | -63.64      | -190.92     | 0.00003 |
| -70.71      | -183.85     | 0.00003 | -77.78      | -176.78     | 0.00003 |
| -84.85      | -169.71     | 0.00004 | -91.92      | -162.63     | 0.00004 |
| -98.99      | -155.56     | 0.00004 | -106.07     | -148.49     | 0.00004 |
| -109.60     | -144.96     | 0.00004 | -113.14     | -141.42     | 0.00004 |
| -115.26     | -139.30     | 0.00004 | -116.67     | -137.89     | 0.00004 |
| -118.09     | -136.47     | 0.00004 | -119.50     | -135.06     | 0.00004 |
| -120.92     | -133.64     | 0.00004 | -133.64     | -120.92     | 0.00004 |
| -135.06     | -119.50     | 0.00004 | -136.47     | -118.09     | 0.00004 |
| -137.89     | -116.67     | 0.00004 | -139.30     | -115.26     | 0.00004 |
| -141.42     | -113.14     | 0.00004 | -144.96     | -109.60     | 0.00004 |
| -148.49     | -106.07     | 0.00004 | -155.56     | -98.99      | 0.00004 |
| -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      | 0.00002 |
| -63.64      | -205.06     | 0.00003 | -70.71      | -197.99     | 0.00003 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -77.78  | -190.92 | 0.00003 | -84.85  | -183.85 | 0.00003 |
| -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  | 0.00002 |
| -70.71  | -212.13 | 0.00003 | -77.78  | -205.06 | 0.00003 |
| -84.85  | -197.99 | 0.00003 | -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 \*\*\*

14:41:32

\*\*MODELOPTs:  
 PAGE 120

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      | 0.00002 | -212.13     | -70.71      | 0.00002 |
| -77.78      | -219.20     | 0.00003 | -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 |

11NCRA\_PL91-300\_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  | 0.00003 |
| -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 | 0.00003 |
| -149.20 | -161.93 | 0.00003 | -161.93 | -149.20 | 0.00003 |
| -163.34 | -147.79 | 0.00003 | -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 | 0.00003 | -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      \*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 121

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     | 0.00003 |
| -144.96     | -180.31     | 0.00003 | -148.49     | -176.78     | 0.00003 |
| -150.61     | -174.66     | 0.00003 | -152.03     | -173.24     | 0.00003 |
| -153.44     | -171.83     | 0.00003 | -154.86     | -170.41     | 0.00003 |
| -156.27     | -169.00     | 0.00003 | -169.00     | -156.27     | 0.00003 |
| -170.41     | -154.86     | 0.00003 | -171.83     | -153.44     | 0.00003 |



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -173.24 | -152.03 | 0.00003 | -174.66 | -150.61 | 0.00003 |
| -176.78 | -148.49 | 0.00003 | -180.31 | -144.96 | 0.00003 |
| -183.85 | -141.42 | 0.00003 | -190.92 | -134.35 | 0.00003 |
| -197.99 | -127.28 | 0.00003 | -205.06 | -120.21 | 0.00003 |
| -212.13 | -113.14 | 0.00003 | -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 | 0.00003 | -148.49 | -190.92 | 0.00003 |
| -152.03 | -187.38 | 0.00003 | -155.56 | -183.85 | 0.00003 |
| -157.68 | -181.73 | 0.00003 | -159.10 | -180.31 | 0.00003 |
| -160.51 | -178.90 | 0.00003 | -161.93 | -177.48 | 0.00003 |
| -163.34 | -176.07 | 0.00003 | -176.07 | -163.34 | 0.00003 |
| -177.48 | -161.93 | 0.00003 | -178.90 | -160.51 | 0.00003 |
| -180.31 | -159.10 | 0.00003 | -181.73 | -157.68 | 0.00003 |
| -183.85 | -155.56 | 0.00003 | -187.38 | -152.03 | 0.00003 |
| -190.92 | -148.49 | 0.00003 | -197.99 | -141.42 | 0.00003 |
| -205.06 | -134.35 | 0.00003 | -212.13 | -127.28 | 0.00003 |
| -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 | 0.00003 |
| -148.49 | -205.06 | 0.00003 | -155.56 | -197.99 | 0.00003 |
| -159.10 | -194.45 | 0.00003 | -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 \*\*\*

14:41:32

\*\*MODELOPTs:  
 PAGE 122

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     | 0.00003 | -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     | 0.00002 |



11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 205.06 | 120.21 | 0.00284 | 197.99 | 127.28 | 0.00304 |
| 190.92 | 134.35 | 0.00323 | 183.85 | 141.42 | 0.00332 |
| 180.31 | 144.96 | 0.00328 | 176.78 | 148.49 | 0.00314 |
| 174.66 | 150.61 | 0.00299 | 173.24 | 152.03 | 0.00285 |
| 171.83 | 153.44 | 0.00268 | 170.41 | 154.86 | 0.00247 |
| 169.00 | 156.27 | 0.00220 | 156.27 | 169.00 | 0.00089 |
| 154.86 | 170.41 | 0.00088 | 153.44 | 171.83 | 0.00086 |
| 152.03 | 173.24 | 0.00085 | 150.61 | 174.66 | 0.00084 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 124  
 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      | 0.00081 | 144.96      | 180.31      | 0.00077 |
| 141.42      | 183.85      | 0.00073 | 134.35      | 190.92      | 0.00065 |
| 127.28      | 197.99      | 0.00058 | 120.21      | 205.06      | 0.00051 |
| 113.14      | 212.13      | 0.00046 | 106.07      | 219.20      | 0.00042 |
| 99.00       | 226.27      | 0.00038 | 91.92       | 233.35      | 0.00035 |
| 226.27      | 84.85       | 0.00237 | 219.20      | 91.92       | 0.00258 |
| 212.13      | 98.99       | 0.00282 | 205.06      | 106.07      | 0.00309 |
| 197.99      | 113.14      | 0.00341 | 190.92      | 120.21      | 0.00377 |
| 183.85      | 127.28      | 0.00415 | 176.78      | 134.35      | 0.00450 |
| 173.24      | 137.89      | 0.00464 | 169.71      | 141.42      | 0.00471 |
| 167.58      | 143.54      | 0.00471 | 166.17      | 144.96      | 0.00469 |
| 164.76      | 146.37      | 0.00465 | 163.34      | 147.79      | 0.00462 |
| 161.93      | 149.20      | 0.00457 | 149.20      | 161.93      | 0.00141 |
| 147.79      | 163.34      | 0.00135 | 146.37      | 164.76      | 0.00130 |
| 144.96      | 166.17      | 0.00125 | 143.54      | 167.58      | 0.00121 |
| 141.42      | 169.71      | 0.00115 | 137.89      | 173.24      | 0.00106 |
| 134.35      | 176.78      | 0.00097 | 127.28      | 183.85      | 0.00083 |
| 120.21      | 190.92      | 0.00072 | 113.14      | 197.99      | 0.00063 |
| 106.07      | 205.06      | 0.00055 | 99.00       | 212.13      | 0.00049 |
| 91.92       | 219.20      | 0.00044 | 84.85       | 226.27      | 0.00040 |
| 219.20      | 77.78       | 0.00260 | 212.13      | 84.85       | 0.00284 |
| 205.06      | 91.92       | 0.00312 | 197.99      | 98.99       | 0.00345 |
| 190.92      | 106.07      | 0.00383 | 183.85      | 113.14      | 0.00426 |
| 176.78      | 120.21      | 0.00471 | 169.71      | 127.28      | 0.00512 |
| 166.17      | 130.81      | 0.00526 | 162.63      | 134.35      | 0.00532 |
| 160.51      | 136.47      | 0.00529 | 159.10      | 137.89      | 0.00524 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 157.68 | 139.30 | 0.00516 | 156.27 | 140.71 | 0.00508 |
| 154.86 | 142.13 | 0.00499 | 142.13 | 154.86 | 0.00166 |
| 140.71 | 156.27 | 0.00161 | 139.30 | 157.68 | 0.00156 |
| 137.89 | 159.10 | 0.00152 | 136.47 | 160.51 | 0.00148 |
| 134.35 | 162.63 | 0.00141 | 130.81 | 166.17 | 0.00130 |
| 127.28 | 169.71 | 0.00119 | 120.21 | 176.78 | 0.00100 |
| 113.14 | 183.85 | 0.00085 | 106.07 | 190.92 | 0.00073 |
| 99.00  | 197.99 | 0.00064 | 91.92  | 205.06 | 0.00056 |
| 84.85  | 212.13 | 0.00050 | 77.78  | 219.20 | 0.00045 |
| 212.13 | 70.71  | 0.00279 | 205.06 | 77.78  | 0.00305 |
| 197.99 | 84.85  | 0.00336 | 190.92 | 91.92  | 0.00372 |
| 183.85 | 98.99  | 0.00413 | 176.78 | 106.07 | 0.00459 |
| 169.71 | 113.14 | 0.00505 | 162.63 | 120.21 | 0.00544 |
| 159.10 | 123.74 | 0.00555 | 155.56 | 127.28 | 0.00558 |

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

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

14:41:32

\*\*MODELOPTs:

PAGE 125

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      | 0.00553 | 152.03      | 130.81      | 0.00546 |
| 150.61      | 132.23      | 0.00537 | 149.20      | 133.64      | 0.00526 |
| 147.79      | 135.06      | 0.00516 | 135.06      | 147.79      | 0.00179 |
| 133.64      | 149.20      | 0.00174 | 132.23      | 150.61      | 0.00170 |
| 130.81      | 152.03      | 0.00166 | 129.40      | 153.44      | 0.00162 |
| 127.28      | 155.56      | 0.00156 | 123.74      | 159.10      | 0.00146 |
| 120.21      | 162.63      | 0.00135 | 113.14      | 169.71      | 0.00115 |
| 106.07      | 176.78      | 0.00097 | 98.99       | 183.85      | 0.00083 |
| 91.92       | 190.92      | 0.00072 | 84.85       | 197.99      | 0.00063 |
| 77.78       | 205.06      | 0.00056 | 70.71       | 212.13      | 0.00050 |
| 205.06      | 63.64       | 0.00294 | 197.99      | 70.71       | 0.00322 |
| 190.92      | 77.78       | 0.00355 | 183.85      | 84.85       | 0.00392 |
| 176.78      | 91.92       | 0.00435 | 169.71      | 98.99       | 0.00481 |
| 162.63      | 106.07      | 0.00526 | 155.56      | 113.14      | 0.00563 |
| 152.03      | 116.67      | 0.00573 | 148.49      | 120.21      | 0.00572 |
| 146.37      | 122.33      | 0.00566 | 144.96      | 123.74      | 0.00559 |
| 143.54      | 125.16      | 0.00551 | 142.13      | 126.57      | 0.00540 |
| 140.71      | 127.99      | 0.00529 | 127.99      | 140.71      | 0.00189 |
| 126.57      | 142.13      | 0.00183 | 125.16      | 143.54      | 0.00179 |
| 123.74      | 144.96      | 0.00176 | 122.33      | 146.37      | 0.00172 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 120.21 | 148.49 | 0.00166 | 116.67 | 152.03 | 0.00156 |
| 113.14 | 155.56 | 0.00145 | 106.07 | 162.63 | 0.00125 |
| 98.99  | 169.71 | 0.00107 | 91.92  | 176.78 | 0.00092 |
| 84.85  | 183.85 | 0.00079 | 77.78  | 190.92 | 0.00069 |
| 70.71  | 197.99 | 0.00061 | 63.64  | 205.06 | 0.00054 |
| 197.99 | 56.57  | 0.00306 | 190.92 | 63.64  | 0.00335 |
| 183.85 | 70.71  | 0.00369 | 176.78 | 77.78  | 0.00407 |
| 169.71 | 84.85  | 0.00450 | 162.63 | 91.92  | 0.00495 |
| 155.56 | 98.99  | 0.00540 | 148.49 | 106.07 | 0.00576 |
| 144.96 | 109.60 | 0.00584 | 141.42 | 113.14 | 0.00583 |
| 139.30 | 115.26 | 0.00576 | 137.89 | 116.67 | 0.00570 |
| 136.47 | 118.09 | 0.00561 | 135.06 | 119.50 | 0.00550 |
| 133.64 | 120.92 | 0.00540 | 120.92 | 133.64 | 0.00197 |
| 119.50 | 135.06 | 0.00191 | 118.09 | 136.47 | 0.00187 |
| 116.67 | 137.89 | 0.00183 | 115.26 | 139.30 | 0.00179 |
| 113.14 | 141.42 | 0.00174 | 109.60 | 144.96 | 0.00164 |
| 106.07 | 148.49 | 0.00153 | 98.99  | 155.56 | 0.00133 |
| 91.92  | 162.63 | 0.00115 | 84.85  | 169.71 | 0.00099 |
| 77.78  | 176.78 | 0.00086 | 70.71  | 183.85 | 0.00075 |
| 63.64  | 190.92 | 0.00066 | 56.57  | 197.99 | 0.00058 |

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

14:41:32  
 \*\*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       | 0.00316 | 183.85      | 56.57       | 0.00346 |
| 176.78      | 63.64       | 0.00380 | 169.71      | 70.71       | 0.00418 |
| 162.63      | 77.78       | 0.00460 | 155.56      | 84.85       | 0.00506 |
| 148.49      | 91.92       | 0.00550 | 141.42      | 98.99       | 0.00584 |
| 137.89      | 102.53      | 0.00592 | 134.35      | 106.07      | 0.00591 |
| 132.23      | 108.19      | 0.00585 | 130.81      | 109.60      | 0.00578 |
| 129.40      | 111.02      | 0.00569 | 127.99      | 112.43      | 0.00559 |
| 126.57      | 113.84      | 0.00547 | 113.84      | 126.57      | 0.00205 |
| 112.43      | 127.99      | 0.00198 | 111.02      | 129.40      | 0.00193 |
| 109.60      | 130.81      | 0.00189 | 108.19      | 132.23      | 0.00185 |
| 106.07      | 134.35      | 0.00179 | 102.53      | 137.89      | 0.00170 |
| 98.99       | 141.42      | 0.00159 | 91.92       | 148.49      | 0.00138 |
| 84.85       | 155.56      | 0.00120 | 77.78       | 162.63      | 0.00104 |
| 70.71       | 169.71      | 0.00091 | 63.64       | 176.78      | 0.00079 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 56.57  | 183.85 | 0.00070 | 49.50  | 190.92 | 0.00062 |
| 183.85 | 42.43  | 0.00324 | 176.78 | 49.50  | 0.00354 |
| 169.71 | 56.57  | 0.00388 | 162.63 | 63.64  | 0.00426 |
| 155.56 | 70.71  | 0.00469 | 148.49 | 77.78  | 0.00514 |
| 141.42 | 84.85  | 0.00557 | 134.35 | 91.92  | 0.00591 |
| 130.81 | 95.46  | 0.00599 | 127.28 | 98.99  | 0.00598 |
| 125.16 | 101.12 | 0.00592 | 123.74 | 102.53 | 0.00585 |
| 122.33 | 103.94 | 0.00576 | 120.92 | 105.36 | 0.00566 |
| 119.50 | 106.77 | 0.00555 | 106.77 | 119.50 | 0.00212 |
| 105.36 | 120.92 | 0.00205 | 103.94 | 122.33 | 0.00199 |
| 102.53 | 123.74 | 0.00195 | 101.12 | 125.16 | 0.00190 |
| 98.99  | 127.28 | 0.00184 | 95.46  | 130.81 | 0.00174 |
| 91.92  | 134.35 | 0.00164 | 84.85  | 141.42 | 0.00143 |
| 77.78  | 148.49 | 0.00124 | 70.71  | 155.56 | 0.00108 |
| 63.64  | 162.63 | 0.00095 | 56.57  | 169.71 | 0.00083 |
| 49.50  | 176.78 | 0.00074 | 42.43  | 183.85 | 0.00065 |
| 176.78 | 35.36  | 0.00330 | 169.71 | 42.43  | 0.00360 |
| 162.63 | 49.50  | 0.00394 | 155.56 | 56.57  | 0.00433 |
| 148.49 | 63.64  | 0.00475 | 141.42 | 70.71  | 0.00519 |
| 134.35 | 77.78  | 0.00562 | 127.28 | 84.85  | 0.00596 |
| 123.74 | 88.39  | 0.00605 | 120.21 | 91.92  | 0.00604 |
| 118.09 | 94.05  | 0.00598 | 116.67 | 95.46  | 0.00591 |
| 115.26 | 96.87  | 0.00582 | 113.84 | 98.29  | 0.00572 |
| 112.43 | 99.70  | 0.00560 | 99.70  | 112.43 | 0.00217 |
| 98.29  | 113.84 | 0.00210 | 96.87  | 115.26 | 0.00204 |
| 95.46  | 116.67 | 0.00199 | 94.05  | 118.09 | 0.00195 |

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

14:41:32  
 \*\*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      | 0.00188 | 88.39       | 123.74      | 0.00178 |
| 84.85       | 127.28      | 0.00167 | 77.78       | 134.35      | 0.00147 |
| 70.71       | 141.42      | 0.00128 | 63.64       | 148.49      | 0.00112 |
| 56.57       | 155.56      | 0.00098 | 49.50       | 162.63      | 0.00086 |
| 42.43       | 169.71      | 0.00077 | 35.36       | 176.78      | 0.00068 |
| 169.71      | 28.28       | 0.00335 | 162.63      | 35.36       | 0.00365 |
| 155.56      | 42.43       | 0.00399 | 148.49      | 49.50       | 0.00438 |
| 141.42      | 56.57       | 0.00480 | 134.35      | 63.64       | 0.00524 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 127.28 | 70.71  | 0.00566 | 120.21 | 77.78  | 0.00601 |
| 116.67 | 81.32  | 0.00610 | 113.14 | 84.85  | 0.00610 |
| 111.02 | 86.97  | 0.00604 | 109.60 | 88.39  | 0.00597 |
| 108.19 | 89.80  | 0.00588 | 106.77 | 91.22  | 0.00577 |
| 105.36 | 92.63  | 0.00565 | 92.63  | 105.36 | 0.00222 |
| 91.22  | 106.77 | 0.00215 | 89.80  | 108.19 | 0.00209 |
| 88.39  | 109.60 | 0.00203 | 86.97  | 111.02 | 0.00199 |
| 84.85  | 113.14 | 0.00192 | 81.32  | 116.67 | 0.00181 |
| 77.78  | 120.21 | 0.00170 | 70.71  | 127.28 | 0.00150 |
| 63.64  | 134.35 | 0.00131 | 56.57  | 141.42 | 0.00115 |
| 49.50  | 148.49 | 0.00101 | 42.43  | 155.56 | 0.00089 |
| 35.36  | 162.63 | 0.00079 | 28.28  | 169.71 | 0.00071 |
| 162.63 | 21.21  | 0.00339 | 155.56 | 28.28  | 0.00369 |
| 148.49 | 35.36  | 0.00404 | 141.42 | 42.43  | 0.00442 |
| 134.35 | 49.50  | 0.00483 | 127.28 | 56.57  | 0.00527 |
| 120.21 | 63.64  | 0.00570 | 113.14 | 70.71  | 0.00604 |
| 109.60 | 74.25  | 0.00614 | 106.07 | 77.78  | 0.00613 |
| 103.94 | 79.90  | 0.00607 | 102.53 | 81.32  | 0.00600 |
| 101.12 | 82.73  | 0.00591 | 99.70  | 84.15  | 0.00583 |
| 98.29  | 85.56  | 0.00572 | 85.56  | 98.29  | 0.00226 |
| 84.15  | 99.70  | 0.00218 | 82.73  | 101.12 | 0.00212 |
| 81.32  | 102.53 | 0.00207 | 79.90  | 103.94 | 0.00202 |
| 77.78  | 106.07 | 0.00195 | 74.25  | 109.60 | 0.00184 |
| 70.71  | 113.14 | 0.00173 | 63.64  | 120.21 | 0.00152 |
| 56.57  | 127.28 | 0.00134 | 49.50  | 134.35 | 0.00117 |
| 42.43  | 141.42 | 0.00103 | 35.36  | 148.49 | 0.00091 |
| 28.28  | 155.56 | 0.00081 | 21.21  | 162.63 | 0.00073 |
| 155.56 | 14.14  | 0.00343 | 148.49 | 21.21  | 0.00373 |
| 141.42 | 28.28  | 0.00407 | 134.35 | 35.36  | 0.00445 |
| 127.28 | 42.43  | 0.00486 | 120.21 | 49.50  | 0.00530 |
| 113.14 | 56.57  | 0.00574 | 106.07 | 63.64  | 0.00607 |
| 102.53 | 67.18  | 0.00617 | 98.99  | 70.71  | 0.00617 |

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

14:41:32  
 \*\*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       | 0.00610 | 95.46       | 74.25       | 0.00603 |
| 94.05       | 75.66       | 0.00594 | 92.63       | 77.07       | 0.00585 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 91.22  | 78.49  | 0.00575 | 78.49  | 91.22  | 0.00229 |
| 77.07  | 92.63  | 0.00222 | 75.66  | 94.05  | 0.00216 |
| 74.25  | 95.46  | 0.00210 | 72.83  | 96.87  | 0.00205 |
| 70.71  | 98.99  | 0.00198 | 67.18  | 102.53 | 0.00187 |
| 63.64  | 106.07 | 0.00175 | 56.57  | 113.14 | 0.00154 |
| 49.50  | 120.21 | 0.00136 | 42.43  | 127.28 | 0.00119 |
| 35.36  | 134.35 | 0.00105 | 28.28  | 141.42 | 0.00093 |
| 21.21  | 148.49 | 0.00083 | 14.14  | 155.56 | 0.00074 |
| 148.49 | 7.07   | 0.00346 | 141.42 | 14.14  | 0.00376 |
| 134.35 | 21.21  | 0.00410 | 127.28 | 28.28  | 0.00447 |
| 120.21 | 35.36  | 0.00489 | 113.14 | 42.43  | 0.00533 |
| 106.07 | 49.50  | 0.00576 | 98.99  | 56.57  | 0.00611 |
| 95.46  | 60.10  | 0.00619 | 91.92  | 63.64  | 0.00619 |
| 89.80  | 65.76  | 0.00614 | 88.39  | 67.18  | 0.00607 |
| 86.97  | 68.59  | 0.00597 | 85.56  | 70.00  | 0.00587 |
| 84.15  | 71.42  | 0.00577 | 71.42  | 84.15  | 0.00232 |
| 70.00  | 85.56  | 0.00224 | 68.59  | 86.97  | 0.00218 |
| 67.18  | 88.39  | 0.00213 | 65.76  | 89.80  | 0.00208 |
| 63.64  | 91.92  | 0.00201 | 60.10  | 95.46  | 0.00189 |
| 56.57  | 98.99  | 0.00177 | 49.50  | 106.07 | 0.00156 |
| 42.43  | 113.14 | 0.00137 | 35.36  | 120.21 | 0.00121 |
| 28.28  | 127.28 | 0.00107 | 21.21  | 134.35 | 0.00095 |
| 14.14  | 141.42 | 0.00084 | 7.07   | 148.49 | 0.00076 |
| 141.42 | 0.00   | 0.00348 | 134.35 | 7.07   | 0.00378 |
| 127.28 | 14.14  | 0.00412 | 120.21 | 21.21  | 0.00449 |
| 113.14 | 28.28  | 0.00491 | 106.07 | 35.36  | 0.00535 |
| 98.99  | 42.43  | 0.00579 | 91.92  | 49.50  | 0.00613 |
| 88.39  | 53.03  | 0.00622 | 84.85  | 56.57  | 0.00621 |
| 82.73  | 58.69  | 0.00615 | 81.32  | 60.10  | 0.00609 |
| 79.90  | 61.52  | 0.00600 | 78.49  | 62.93  | 0.00590 |
| 77.07  | 64.35  | 0.00579 | 64.35  | 77.07  | 0.00234 |
| 62.93  | 78.49  | 0.00227 | 61.52  | 79.90  | 0.00221 |
| 60.10  | 81.32  | 0.00215 | 58.69  | 82.73  | 0.00210 |
| 56.57  | 84.85  | 0.00203 | 53.03  | 88.39  | 0.00191 |
| 49.50  | 91.92  | 0.00179 | 42.43  | 98.99  | 0.00158 |
| 35.36  | 106.07 | 0.00139 | 28.28  | 113.14 | 0.00122 |
| 21.21  | 120.21 | 0.00108 | 14.14  | 127.28 | 0.00096 |
| 7.07   | 134.35 | 0.00086 | 0.00   | 141.42 | 0.00077 |

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

04/20/08

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

14:41:32

\*\*MODELOPTS:  
PAGE 129

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       | 0.00350 | 127.28             | 0.00        | 0.00380 |
| 120.21           | 7.07        | 0.00413 | 113.14             | 14.14       | 0.00451 |
| 106.07           | 21.21       | 0.00493 | 98.99              | 28.28       | 0.00537 |
| 91.92            | 35.36       | 0.00581 | 84.85              | 42.43       | 0.00615 |
| 81.32            | 45.96       | 0.00624 | 77.78              | 49.50       | 0.00624 |
| 75.66            | 51.62       | 0.00617 | 74.25              | 53.03       | 0.00611 |
| 72.83            | 54.45       | 0.00602 | 71.42              | 55.86       | 0.00592 |
| 70.00            | 57.28       | 0.00581 | 57.28              | 70.00       | 0.00237 |
| 55.86            | 71.42       | 0.00229 | 54.45              | 72.83       | 0.00223 |
| 53.03            | 74.25       | 0.00217 | 51.62              | 75.66       | 0.00212 |
| 49.50            | 77.78       | 0.00205 | 45.96              | 81.32       | 0.00193 |
| 42.43            | 84.85       | 0.00181 | 35.36              | 91.92       | 0.00159 |
| 28.28            | 98.99       | 0.00140 | 21.21              | 106.07      | 0.00124 |
| 14.14            | 113.14      | 0.00110 | 7.07               | 120.21      | 0.00097 |
| 0.00             | 127.28      | 0.00087 | -7.07              | 134.35      | 0.00078 |
| 127.28           | -14.14      | 0.00351 | 120.21             | -7.07       | 0.00381 |
| 113.14           | 0.00        | 0.00415 | 106.07             | 7.07        | 0.00453 |
| 98.99            | 14.14       | 0.00494 | 91.92              | 21.21       | 0.00539 |
| 84.85            | 28.28       | 0.00583 | 77.78              | 35.36       | 0.00617 |
| 74.25            | 38.89       | 0.00626 | 70.71              | 42.43       | 0.00626 |
| 68.59            | 44.55       | 0.00619 | 67.18              | 45.96       | 0.00612 |
| 65.76            | 47.38       | 0.00604 | 64.35              | 48.79       | 0.00593 |
| 62.93            | 50.20       | 0.00582 | 50.20              | 62.93       | 0.00239 |
| 48.79            | 64.35       | 0.00231 | 47.38              | 65.76       | 0.00225 |
| 45.96            | 67.18       | 0.00219 | 44.55              | 68.59       | 0.00214 |
| 42.43            | 70.71       | 0.00206 | 38.89              | 74.25       | 0.00194 |
| 35.36            | 77.78       | 0.00182 | 28.28              | 84.85       | 0.00160 |
| 21.21            | 91.92       | 0.00141 | 14.14              | 98.99       | 0.00125 |
| 7.07             | 106.07      | 0.00111 | 0.00               | 113.14      | 0.00098 |
| -7.07            | 120.21      | 0.00088 | -14.14             | 127.28      | 0.00079 |
| 120.21           | -21.21      | 0.00353 | 113.14             | -14.14      | 0.00382 |
| 106.07           | -7.07       | 0.00416 | 98.99              | 0.00        | 0.00454 |
| 91.92            | 7.07        | 0.00496 | 84.85              | 14.14       | 0.00540 |
| 77.78            | 21.21       | 0.00584 | 70.71              | 28.28       | 0.00619 |
| 67.18            | 31.82       | 0.00628 | 63.64              | 35.36       | 0.00627 |
| 61.52            | 37.48       | 0.00621 | 60.10              | 38.89       | 0.00614 |
| 58.69            | 40.31       | 0.00605 | 57.28              | 41.72       | 0.00595 |
| 55.86            | 43.13       | 0.00584 | 43.13              | 55.86       | 0.00240 |
| 41.72            | 57.28       | 0.00233 | 40.31              | 58.69       | 0.00227 |
| 38.89            | 60.10       | 0.00221 | 37.48              | 61.52       | 0.00216 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

14:41:32

\*\*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       | 0.00208 | 31.82       | 67.18       | 0.00196 |
| 28.28       | 70.71       | 0.00184 | 21.21       | 77.78       | 0.00161 |
| 14.14       | 84.85       | 0.00142 | 7.07        | 91.92       | 0.00125 |
| 0.00        | 98.99       | 0.00111 | -7.07       | 106.07      | 0.00099 |
| -14.14      | 113.14      | 0.00089 | -21.21      | 120.21      | 0.00080 |
| 113.14      | -28.28      | 0.00354 | 106.07      | -21.21      | 0.00384 |
| 98.99       | -14.14      | 0.00417 | 91.92       | -7.07       | 0.00455 |
| 84.85       | 0.00        | 0.00497 | 77.78       | 7.07        | 0.00542 |
| 70.71       | 14.14       | 0.00585 | 63.64       | 21.21       | 0.00620 |
| 60.10       | 24.75       | 0.00629 | 56.57       | 28.28       | 0.00629 |
| 54.45       | 30.41       | 0.00623 | 53.03       | 31.82       | 0.00616 |
| 51.62       | 33.23       | 0.00607 | 50.20       | 34.65       | 0.00596 |
| 48.79       | 36.06       | 0.00585 | 36.06       | 48.79       | 0.00242 |
| 34.65       | 50.20       | 0.00234 | 33.23       | 51.62       | 0.00228 |
| 31.82       | 53.03       | 0.00222 | 30.41       | 54.45       | 0.00217 |
| 28.28       | 56.57       | 0.00209 | 24.75       | 60.10       | 0.00197 |
| 21.21       | 63.64       | 0.00185 | 14.14       | 70.71       | 0.00162 |
| 7.07        | 77.78       | 0.00143 | 0.00        | 84.85       | 0.00126 |
| -7.07       | 91.92       | 0.00112 | -14.14      | 98.99       | 0.00100 |
| -21.21      | 106.07      | 0.00090 | -28.28      | 113.14      | 0.00081 |
| 106.07      | -35.36      | 0.00355 | 98.99       | -28.28      | 0.00384 |
| 91.92       | -21.21      | 0.00418 | 84.85       | -14.14      | 0.00456 |
| 77.78       | -7.07       | 0.00498 | 70.71       | 0.00        | 0.00543 |
| 63.64       | 7.07        | 0.00586 | 56.57       | 14.14       | 0.00621 |
| 53.03       | 17.68       | 0.00630 | 49.50       | 21.21       | 0.00630 |
| 47.38       | 23.33       | 0.00625 | 45.96       | 24.75       | 0.00618 |
| 44.55       | 26.16       | 0.00609 | 43.13       | 27.58       | 0.00598 |
| 41.72       | 28.99       | 0.00586 | 28.99       | 41.72       | 0.00243 |
| 27.58       | 43.13       | 0.00236 | 26.16       | 44.55       | 0.00229 |
| 24.75       | 45.96       | 0.00224 | 23.33       | 47.38       | 0.00218 |
| 21.21       | 49.50       | 0.00211 | 17.68       | 53.03       | 0.00198 |
| 14.14       | 56.57       | 0.00186 | 7.07        | 63.64       | 0.00163 |
| 0.00        | 70.71       | 0.00144 | -7.07       | 77.78       | 0.00127 |
| -14.14      | 84.85       | 0.00113 | -21.21      | 91.92       | 0.00101 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -28.28 | 98.99  | 0.00090 | -35.36 | 106.07 | 0.00081 |
| 98.99  | -42.43 | 0.00355 | 91.92  | -35.36 | 0.00385 |
| 84.85  | -28.28 | 0.00419 | 77.78  | -21.21 | 0.00457 |
| 70.71  | -14.14 | 0.00499 | 63.64  | -7.07  | 0.00544 |
| 56.57  | 0.00   | 0.00587 | 49.50  | 7.07   | 0.00622 |
| 45.96  | 10.61  | 0.00632 | 42.43  | 14.14  | 0.00631 |

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

14:41:32  
 \*\*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       | 0.00625 | 38.89       | 17.68       | 0.00618 |
| 37.48       | 19.09       | 0.00609 | 36.06       | 20.51       | 0.00601 |
| 34.65       | 21.92       | 0.00591 | 21.92       | 34.65       | 0.00244 |
| 20.51       | 36.06       | 0.00237 | 19.09       | 37.48       | 0.00230 |
| 17.68       | 38.89       | 0.00225 | 16.26       | 40.31       | 0.00219 |
| 14.14       | 42.43       | 0.00212 | 10.61       | 45.96       | 0.00199 |
| 7.07        | 49.50       | 0.00187 | 0.00        | 56.57       | 0.00164 |
| -7.07       | 63.64       | 0.00144 | -14.14      | 70.71       | 0.00127 |
| -21.21      | 77.78       | 0.00113 | -28.28      | 84.85       | 0.00101 |
| -35.36      | 91.92       | 0.00091 | -42.43      | 98.99       | 0.00082 |
| 91.92       | -49.50      | 0.00356 | 84.85       | -42.43      | 0.00386 |
| 77.78       | -35.36      | 0.00420 | 70.71       | -28.28      | 0.00458 |
| 63.64       | -21.21      | 0.00500 | 56.57       | -14.14      | 0.00545 |
| 49.50       | -7.07       | 0.00588 | 42.43       | 0.00        | 0.00622 |
| 38.89       | 3.54        | 0.00632 | 35.36       | 7.07        | 0.00632 |
| 33.23       | 9.19        | 0.00626 | 31.82       | 10.61       | 0.00619 |
| 30.41       | 12.02       | 0.00610 | 28.99       | 13.44       | 0.00600 |
| 27.58       | 14.85       | 0.00591 | 14.85       | 27.58       | 0.00245 |
| 13.44       | 28.99       | 0.00237 | 12.02       | 30.41       | 0.00231 |
| 10.61       | 31.82       | 0.00226 | 9.19        | 33.23       | 0.00220 |
| 7.07        | 35.36       | 0.00213 | 3.54        | 38.89       | 0.00200 |
| 0.00        | 42.43       | 0.00188 | -7.07       | 49.50       | 0.00165 |
| -14.14      | 56.57       | 0.00145 | -21.21      | 63.64       | 0.00128 |
| -28.28      | 70.71       | 0.00114 | -35.36      | 77.78       | 0.00102 |
| -42.43      | 84.85       | 0.00091 | -49.50      | 91.92       | 0.00082 |
| 84.85       | -56.57      | 0.00356 | 77.78       | -49.50      | 0.00386 |
| 70.71       | -42.43      | 0.00420 | 63.64       | -35.36      | 0.00458 |
| 56.57       | -28.28      | 0.00500 | 49.50       | -21.21      | 0.00545 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |       |         |
|--------|--------|---------|--------|-------|---------|
| 42.43  | -14.14 | 0.00589 | 35.36  | -7.07 | 0.00624 |
| 31.82  | -3.54  | 0.00632 | 28.28  | 0.00  | 0.00632 |
| 26.16  | 2.12   | 0.00627 | 24.75  | 3.54  | 0.00620 |
| 23.33  | 4.95   | 0.00611 | 21.92  | 6.36  | 0.00600 |
| 20.51  | 7.78   | 0.00591 | 7.78   | 20.51 | 0.00246 |
| 6.36   | 21.92  | 0.00238 | 4.95   | 23.33 | 0.00232 |
| 3.54   | 24.75  | 0.00226 | 2.12   | 26.16 | 0.00221 |
| 0.00   | 28.28  | 0.00213 | -3.54  | 31.82 | 0.00201 |
| -7.07  | 35.36  | 0.00188 | -14.14 | 42.43 | 0.00165 |
| -21.21 | 49.50  | 0.00145 | -28.28 | 56.57 | 0.00128 |
| -35.36 | 63.64  | 0.00114 | -42.43 | 70.71 | 0.00102 |
| -49.50 | 77.78  | 0.00092 | -56.57 | 84.85 | 0.00083 |

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

14:41:32  
 \*\*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      | 0.00356 | 70.71       | -56.57      | 0.00386 |
| 63.64       | -49.50      | 0.00421 | 56.57       | -42.43      | 0.00459 |
| 49.50       | -35.36      | 0.00501 | 42.43       | -28.28      | 0.00546 |
| 35.36       | -21.21      | 0.00590 | 28.28       | -14.14      | 0.00624 |
| 24.75       | -10.61      | 0.00633 | 21.21       | -7.07       | 0.00633 |
| 19.09       | -4.95       | 0.00627 | 17.68       | -3.54       | 0.00621 |
| 16.26       | -2.12       | 0.00612 | 14.85       | -0.71       | 0.00601 |
| 13.44       | 0.71        | 0.00591 | 0.71        | 13.44       | 0.00246 |
| -0.71       | 14.85       | 0.00239 | -2.12       | 16.26       | 0.00233 |
| -3.54       | 17.68       | 0.00227 | -4.95       | 19.09       | 0.00222 |
| -7.07       | 21.21       | 0.00214 | -10.61      | 24.75       | 0.00201 |
| -14.14      | 28.28       | 0.00189 | -21.21      | 35.36       | 0.00166 |
| -28.28      | 42.43       | 0.00146 | -35.36      | 49.50       | 0.00129 |
| -42.43      | 56.57       | 0.00114 | -49.50      | 63.64       | 0.00102 |
| -56.57      | 70.71       | 0.00092 | -63.64      | 77.78       | 0.00083 |
| 70.71       | -70.71      | 0.00356 | 63.64       | -63.64      | 0.00387 |
| 56.57       | -56.57      | 0.00421 | 49.50       | -49.50      | 0.00459 |
| 42.43       | -42.43      | 0.00501 | 35.36       | -35.36      | 0.00546 |
| 28.28       | -28.28      | 0.00590 | 21.21       | -21.21      | 0.00625 |
| 17.68       | -17.68      | 0.00634 | 14.14       | -14.14      | 0.00633 |
| 12.02       | -12.02      | 0.00627 | 10.61       | -10.61      | 0.00621 |
| 9.19        | -9.19       | 0.00612 | 7.78        | -7.78       | 0.00602 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| 6.36   | -6.36  | 0.00591 | -6.36  | 6.36   | 0.00247 |
| -7.78  | 7.78   | 0.00239 | -9.19  | 9.19   | 0.00233 |
| -10.61 | 10.61  | 0.00228 | -12.02 | 12.02  | 0.00222 |
| -14.14 | 14.14  | 0.00215 | -17.68 | 17.68  | 0.00202 |
| -21.21 | 21.21  | 0.00190 | -28.28 | 28.28  | 0.00166 |
| -35.36 | 35.36  | 0.00146 | -42.43 | 42.43  | 0.00129 |
| -49.50 | 49.50  | 0.00114 | -56.57 | 56.57  | 0.00102 |
| -63.64 | 63.64  | 0.00092 | -70.71 | 70.71  | 0.00083 |
| 63.64  | -77.78 | 0.00356 | 56.57  | -70.71 | 0.00387 |
| 49.50  | -63.64 | 0.00421 | 42.43  | -56.57 | 0.00459 |
| 35.36  | -49.50 | 0.00502 | 28.28  | -42.43 | 0.00547 |
| 21.21  | -35.36 | 0.00590 | 14.14  | -28.28 | 0.00625 |
| 10.61  | -24.75 | 0.00634 | 7.07   | -21.21 | 0.00634 |
| 4.95   | -19.09 | 0.00628 | 3.54   | -17.68 | 0.00621 |
| 2.12   | -16.26 | 0.00612 | 0.71   | -14.85 | 0.00602 |
| -0.71  | -13.44 | 0.00591 | -13.44 | -0.71  | 0.00248 |
| -14.85 | 0.71   | 0.00240 | -16.26 | 2.12   | 0.00234 |
| -17.68 | 3.54   | 0.00228 | -19.09 | 4.95   | 0.00223 |

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

14:41:32  
 \*\*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        | 0.00215 | -24.75      | 10.61       | 0.00202 |
| -28.28      | 14.14       | 0.00190 | -35.36      | 21.21       | 0.00167 |
| -42.43      | 28.28       | 0.00146 | -49.50      | 35.36       | 0.00129 |
| -56.57      | 42.43       | 0.00115 | -63.64      | 49.50       | 0.00102 |
| -70.71      | 56.57       | 0.00092 | -77.78      | 63.64       | 0.00083 |
| 56.57       | -84.85      | 0.00356 | 49.50       | -77.78      | 0.00387 |
| 42.43       | -70.71      | 0.00421 | 35.36       | -63.64      | 0.00459 |
| 28.28       | -56.57      | 0.00502 | 21.21       | -49.50      | 0.00547 |
| 14.14       | -42.43      | 0.00591 | 7.07        | -35.36      | 0.00625 |
| 3.54        | -31.82      | 0.00635 | 0.00        | -28.28      | 0.00634 |
| -2.12       | -26.16      | 0.00628 | -3.54       | -24.75      | 0.00622 |
| -4.95       | -23.33      | 0.00613 | -6.36       | -21.92      | 0.00602 |
| -7.78       | -20.51      | 0.00591 | -20.51      | -7.78       | 0.00248 |
| -21.92      | -6.36       | 0.00240 | -23.33      | -4.95       | 0.00234 |
| -24.75      | -3.54       | 0.00229 | -26.16      | -2.12       | 0.00223 |
| -28.28      | 0.00        | 0.00215 | -31.82      | 3.54        | 0.00203 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|        |        |         |        |        |         |
|--------|--------|---------|--------|--------|---------|
| -35.36 | 7.07   | 0.00190 | -42.43 | 14.14  | 0.00167 |
| -49.50 | 21.21  | 0.00147 | -56.57 | 28.28  | 0.00129 |
| -63.64 | 35.36  | 0.00115 | -70.71 | 42.43  | 0.00102 |
| -77.78 | 49.50  | 0.00092 | -84.85 | 56.57  | 0.00084 |
| 49.50  | -91.92 | 0.00356 | 42.43  | -84.85 | 0.00386 |
| 35.36  | -77.78 | 0.00421 | 28.28  | -70.71 | 0.00459 |
| 21.21  | -63.64 | 0.00502 | 14.14  | -56.57 | 0.00547 |
| 7.07   | -49.50 | 0.00591 | 0.00   | -42.43 | 0.00626 |
| -3.54  | -38.89 | 0.00635 | -7.07  | -35.36 | 0.00635 |
| -9.19  | -33.23 | 0.00629 | -10.61 | -31.82 | 0.00622 |
| -12.02 | -30.41 | 0.00613 | -13.44 | -28.99 | 0.00602 |
| -14.85 | -27.58 | 0.00591 | -27.58 | -14.85 | 0.00248 |
| -28.99 | -13.44 | 0.00241 | -30.41 | -12.02 | 0.00234 |
| -31.82 | -10.61 | 0.00229 | -33.23 | -9.19  | 0.00224 |
| -35.36 | -7.07  | 0.00216 | -38.89 | -3.54  | 0.00203 |
| -42.43 | 0.00   | 0.00191 | -49.50 | 7.07   | 0.00167 |
| -56.57 | 14.14  | 0.00147 | -63.64 | 21.21  | 0.00129 |
| -70.71 | 28.28  | 0.00115 | -77.78 | 35.36  | 0.00103 |
| -84.85 | 42.43  | 0.00092 | -91.92 | 49.50  | 0.00084 |
| 42.43  | -98.99 | 0.00355 | 35.36  | -91.92 | 0.00386 |
| 28.28  | -84.85 | 0.00420 | 21.21  | -77.78 | 0.00459 |
| 14.14  | -70.71 | 0.00501 | 7.07   | -63.64 | 0.00547 |
| 0.00   | -56.57 | 0.00590 | -7.07  | -49.50 | 0.00626 |
| -10.61 | -45.96 | 0.00635 | -14.14 | -42.43 | 0.00635 |

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

14:41:32  
 \*\*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      | 0.00629 | -17.68      | -38.89      | 0.00623 |
| -19.09      | -37.48      | 0.00614 | -20.51      | -36.06      | 0.00603 |
| -21.92      | -34.65      | 0.00592 | -34.65      | -21.92      | 0.00249 |
| -36.06      | -20.51      | 0.00241 | -37.48      | -19.09      | 0.00234 |
| -38.89      | -17.68      | 0.00229 | -40.31      | -16.26      | 0.00224 |
| -42.43      | -14.14      | 0.00216 | -45.96      | -10.61      | 0.00203 |
| -49.50      | -7.07       | 0.00191 | -56.57      | 0.00        | 0.00167 |
| -63.64      | 7.07        | 0.00147 | -70.71      | 14.14       | 0.00129 |
| -77.78      | 21.21       | 0.00115 | -84.85      | 28.28       | 0.00102 |
| -91.92      | 35.36       | 0.00092 | -98.99      | 42.43       | 0.00084 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| 35.36   | -106.07 | 0.00355 | 28.28   | -98.99  | 0.00385 |
| 21.21   | -91.92  | 0.00420 | 14.14   | -84.85  | 0.00459 |
| 7.07    | -77.78  | 0.00501 | 0.00    | -70.71  | 0.00546 |
| -7.07   | -63.64  | 0.00590 | -14.14  | -56.57  | 0.00625 |
| -17.68  | -53.03  | 0.00635 | -21.21  | -49.50  | 0.00635 |
| -23.33  | -47.38  | 0.00628 | -24.75  | -45.96  | 0.00621 |
| -26.16  | -44.55  | 0.00613 | -27.58  | -43.13  | 0.00605 |
| -28.99  | -41.72  | 0.00595 | -41.72  | -28.99  | 0.00249 |
| -43.13  | -27.58  | 0.00241 | -44.55  | -26.16  | 0.00235 |
| -45.96  | -24.75  | 0.00229 | -47.38  | -23.33  | 0.00224 |
| -49.50  | -21.21  | 0.00216 | -53.03  | -17.68  | 0.00203 |
| -56.57  | -14.14  | 0.00191 | -63.64  | -7.07   | 0.00167 |
| -70.71  | 0.00    | 0.00147 | -77.78  | 7.07    | 0.00129 |
| -84.85  | 14.14   | 0.00115 | -91.92  | 21.21   | 0.00102 |
| -98.99  | 28.28   | 0.00092 | -106.07 | 35.36   | 0.00083 |
| 28.28   | -113.14 | 0.00354 | 21.21   | -106.07 | 0.00384 |
| 14.14   | -98.99  | 0.00419 | 7.07    | -91.92  | 0.00458 |
| 0.00    | -84.85  | 0.00501 | -7.07   | -77.78  | 0.00546 |
| -14.14  | -70.71  | 0.00590 | -21.21  | -63.64  | 0.00625 |
| -24.75  | -60.10  | 0.00634 | -28.28  | -56.57  | 0.00635 |
| -30.41  | -54.45  | 0.00629 | -31.82  | -53.03  | 0.00622 |
| -33.23  | -51.62  | 0.00613 | -34.65  | -50.20  | 0.00603 |
| -36.06  | -48.79  | 0.00594 | -48.79  | -36.06  | 0.00248 |
| -50.20  | -34.65  | 0.00241 | -51.62  | -33.23  | 0.00235 |
| -53.03  | -31.82  | 0.00229 | -54.45  | -30.41  | 0.00224 |
| -56.57  | -28.28  | 0.00216 | -60.10  | -24.75  | 0.00203 |
| -63.64  | -21.21  | 0.00190 | -70.71  | -14.14  | 0.00167 |
| -77.78  | -7.07   | 0.00147 | -84.85  | 0.00    | 0.00129 |
| -91.92  | 7.07    | 0.00114 | -98.99  | 14.14   | 0.00102 |
| -106.07 | 21.21   | 0.00092 | -113.14 | 28.28   | 0.00083 |

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

14:41:32  
 \*\*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     | 0.00352 | 14.14              | -113.14     | 0.00383 |
| 7.07             | -106.07     | 0.00418 | 0.00               | -98.99      | 0.00457 |
| -7.07            | -91.92      | 0.00500 | -14.14             | -84.85      | 0.00545 |
| -21.21           | -77.78      | 0.00590 | -28.28             | -70.71      | 0.00625 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -31.82  | -67.18  | 0.00634 | -35.36  | -63.64  | 0.00634 |
| -37.48  | -61.52  | 0.00629 | -38.89  | -60.10  | 0.00622 |
| -40.31  | -58.69  | 0.00613 | -41.72  | -57.28  | 0.00602 |
| -43.13  | -55.86  | 0.00593 | -55.86  | -43.13  | 0.00248 |
| -57.28  | -41.72  | 0.00240 | -58.69  | -40.31  | 0.00234 |
| -60.10  | -38.89  | 0.00229 | -61.52  | -37.48  | 0.00223 |
| -63.64  | -35.36  | 0.00216 | -67.18  | -31.82  | 0.00203 |
| -70.71  | -28.28  | 0.00190 | -77.78  | -21.21  | 0.00167 |
| -84.85  | -14.14  | 0.00146 | -91.92  | -7.07   | 0.00129 |
| -98.99  | 0.00    | 0.00114 | -106.07 | 7.07    | 0.00102 |
| -113.14 | 14.14   | 0.00092 | -120.21 | 21.21   | 0.00083 |
| 14.14   | -127.28 | 0.00351 | 7.07    | -120.21 | 0.00382 |
| 0.00    | -113.14 | 0.00417 | -7.07   | -106.07 | 0.00456 |
| -14.14  | -98.99  | 0.00499 | -21.21  | -91.92  | 0.00545 |
| -28.28  | -84.85  | 0.00589 | -35.36  | -77.78  | 0.00624 |
| -38.89  | -74.25  | 0.00633 | -42.43  | -70.71  | 0.00633 |
| -44.55  | -68.59  | 0.00628 | -45.96  | -67.18  | 0.00621 |
| -47.38  | -65.76  | 0.00613 | -48.79  | -64.35  | 0.00602 |
| -50.20  | -62.93  | 0.00592 | -62.93  | -50.20  | 0.00248 |
| -64.35  | -48.79  | 0.00240 | -65.76  | -47.38  | 0.00234 |
| -67.18  | -45.96  | 0.00228 | -68.59  | -44.55  | 0.00223 |
| -70.71  | -42.43  | 0.00215 | -74.25  | -38.89  | 0.00203 |
| -77.78  | -35.36  | 0.00190 | -84.85  | -28.28  | 0.00167 |
| -91.92  | -21.21  | 0.00146 | -98.99  | -14.14  | 0.00128 |
| -106.07 | -7.07   | 0.00114 | -113.14 | 0.00    | 0.00102 |
| -120.21 | 7.07    | 0.00092 | -127.28 | 14.14   | 0.00083 |
| 7.07    | -134.35 | 0.00349 | 0.00    | -127.28 | 0.00380 |
| -7.07   | -120.21 | 0.00415 | -14.14  | -113.14 | 0.00454 |
| -21.21  | -106.07 | 0.00498 | -28.28  | -98.99  | 0.00543 |
| -35.36  | -91.92  | 0.00588 | -42.43  | -84.85  | 0.00623 |
| -45.96  | -81.32  | 0.00633 | -49.50  | -77.78  | 0.00633 |
| -51.62  | -75.66  | 0.00627 | -53.03  | -74.25  | 0.00620 |
| -54.45  | -72.83  | 0.00612 | -55.86  | -71.42  | 0.00601 |
| -57.28  | -70.00  | 0.00591 | -70.00  | -57.28  | 0.00247 |
| -71.42  | -55.86  | 0.00240 | -72.83  | -54.45  | 0.00234 |
| -74.25  | -53.03  | 0.00228 | -75.66  | -51.62  | 0.00223 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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

\*\*\*

14:41:32

\*\*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 \*\*\*



11NCRA\_PL91-300\_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      | 0.00215 | -81.32      | -45.96      | 0.00202 |
| -84.85      | -42.43      | 0.00190 | -91.92      | -35.36      | 0.00166 |
| -98.99      | -28.28      | 0.00145 | -106.07     | -21.21      | 0.00128 |
| -113.14     | -14.14      | 0.00114 | -120.21     | -7.07       | 0.00101 |
| -127.28     | 0.00        | 0.00091 | -134.35     | 7.07        | 0.00083 |
| 0.00        | -141.42     | 0.00346 | -7.07       | -134.35     | 0.00377 |
| -14.14      | -127.28     | 0.00413 | -21.21      | -120.21     | 0.00452 |
| -28.28      | -113.14     | 0.00496 | -35.36      | -106.07     | 0.00542 |
| -42.43      | -98.99      | 0.00587 | -49.50      | -91.92      | 0.00622 |
| -53.03      | -88.39      | 0.00632 | -56.57      | -84.85      | 0.00632 |
| -58.69      | -82.73      | 0.00626 | -60.10      | -81.32      | 0.00619 |
| -61.52      | -79.90      | 0.00611 | -62.93      | -78.49      | 0.00601 |
| -64.35      | -77.07      | 0.00589 | -77.07      | -64.35      | 0.00247 |
| -78.49      | -62.93      | 0.00239 | -79.90      | -61.52      | 0.00233 |
| -81.32      | -60.10      | 0.00227 | -82.73      | -58.69      | 0.00222 |
| -84.85      | -56.57      | 0.00214 | -88.39      | -53.03      | 0.00201 |
| -91.92      | -49.50      | 0.00189 | -98.99      | -42.43      | 0.00165 |
| -106.07     | -35.36      | 0.00145 | -113.14     | -28.28      | 0.00127 |
| -120.21     | -21.21      | 0.00113 | -127.28     | -14.14      | 0.00101 |
| -134.35     | -7.07       | 0.00091 | -141.42     | 0.00        | 0.00082 |
| -7.07       | -148.49     | 0.00343 | -14.14      | -141.42     | 0.00374 |
| -21.21      | -134.35     | 0.00410 | -28.28      | -127.28     | 0.00449 |
| -35.36      | -120.21     | 0.00493 | -42.43      | -113.14     | 0.00540 |
| -49.50      | -106.07     | 0.00585 | -56.57      | -98.99      | 0.00621 |
| -60.10      | -95.46      | 0.00631 | -63.64      | -91.92      | 0.00631 |
| -65.76      | -89.80      | 0.00625 | -67.18      | -88.39      | 0.00618 |
| -68.59      | -86.97      | 0.00610 | -70.00      | -85.56      | 0.00599 |
| -71.42      | -84.15      | 0.00589 | -84.15      | -71.42      | 0.00246 |
| -85.56      | -70.00      | 0.00238 | -86.97      | -68.59      | 0.00232 |
| -88.39      | -67.18      | 0.00227 | -89.80      | -65.76      | 0.00221 |
| -91.92      | -63.64      | 0.00213 | -95.46      | -60.10      | 0.00201 |
| -98.99      | -56.57      | 0.00188 | -106.07     | -49.50      | 0.00164 |
| -113.14     | -42.43      | 0.00144 | -120.21     | -35.36      | 0.00127 |
| -127.28     | -28.28      | 0.00112 | -134.35     | -21.21      | 0.00101 |
| -141.42     | -14.14      | 0.00090 | -148.49     | -7.07       | 0.00082 |
| -14.14      | -155.56     | 0.00338 | -21.21      | -148.49     | 0.00370 |
| -28.28      | -141.42     | 0.00406 | -35.36      | -134.35     | 0.00446 |
| -42.43      | -127.28     | 0.00490 | -49.50      | -120.21     | 0.00537 |
| -56.57      | -113.14     | 0.00583 | -63.64      | -106.07     | 0.00619 |
| -67.18      | -102.53     | 0.00629 | -70.71      | -98.99      | 0.00630 |

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

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

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

\*\*\*

14:41:32  
 \*\*MODELOPTs:  
 PAGE 137  
 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      | 0.00624 | -74.25             | -95.46      | 0.00617 |
| -75.66           | -94.05      | 0.00608 | -77.07             | -92.63      | 0.00598 |
| -78.49           | -91.22      | 0.00587 | -91.22             | -78.49      | 0.00245 |
| -92.63           | -77.07      | 0.00237 | -94.05             | -75.66      | 0.00231 |
| -95.46           | -74.25      | 0.00226 | -96.87             | -72.83      | 0.00220 |
| -98.99           | -70.71      | 0.00212 | -102.53            | -67.18      | 0.00199 |
| -106.07          | -63.64      | 0.00187 | -113.14            | -56.57      | 0.00163 |
| -120.21          | -49.50      | 0.00143 | -127.28            | -42.43      | 0.00126 |
| -134.35          | -35.36      | 0.00112 | -141.42            | -28.28      | 0.00100 |
| -148.49          | -21.21      | 0.00090 | -155.56            | -14.14      | 0.00082 |
| -21.21           | -162.63     | 0.00333 | -28.28             | -155.56     | 0.00365 |
| -35.36           | -148.49     | 0.00401 | -42.43             | -141.42     | 0.00442 |
| -49.50           | -134.35     | 0.00486 | -56.57             | -127.28     | 0.00534 |
| -63.64           | -120.21     | 0.00580 | -70.71             | -113.14     | 0.00617 |
| -74.25           | -109.60     | 0.00627 | -77.78             | -106.07     | 0.00628 |
| -79.90           | -103.94     | 0.00623 | -81.32             | -102.53     | 0.00616 |
| -82.73           | -101.12     | 0.00608 | -84.15             | -99.70      | 0.00597 |
| -85.56           | -98.29      | 0.00586 | -98.29             | -85.56      | 0.00244 |
| -99.70           | -84.15      | 0.00236 | -101.12            | -82.73      | 0.00230 |
| -102.53          | -81.32      | 0.00224 | -103.94            | -79.90      | 0.00219 |
| -106.07          | -77.78      | 0.00211 | -109.60            | -74.25      | 0.00198 |
| -113.14          | -70.71      | 0.00185 | -120.21            | -63.64      | 0.00162 |
| -127.28          | -56.57      | 0.00142 | -134.35            | -49.50      | 0.00125 |
| -141.42          | -42.43      | 0.00111 | -148.49            | -35.36      | 0.00099 |
| -155.56          | -28.28      | 0.00089 | -162.63            | -21.21      | 0.00081 |
| -28.28           | -169.71     | 0.00326 | -35.36             | -162.63     | 0.00358 |
| -42.43           | -155.56     | 0.00395 | -49.50             | -148.49     | 0.00436 |
| -56.57           | -141.42     | 0.00481 | -63.64             | -134.35     | 0.00529 |
| -70.71           | -127.28     | 0.00576 | -77.78             | -120.21     | 0.00614 |
| -81.32           | -116.67     | 0.00625 | -84.85             | -113.14     | 0.00625 |
| -86.97           | -111.02     | 0.00619 | -88.39             | -109.60     | 0.00613 |
| -89.80           | -108.19     | 0.00604 | -91.22             | -106.77     | 0.00597 |
| -92.63           | -105.36     | 0.00587 | -105.36            | -92.63      | 0.00242 |
| -106.77          | -91.22      | 0.00234 | -108.19            | -89.80      | 0.00228 |
| -109.60          | -88.39      | 0.00222 | -111.02            | -86.97      | 0.00217 |
| -113.14          | -84.85      | 0.00209 | -116.67            | -81.32      | 0.00196 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |        |         |         |        |         |
|---------|--------|---------|---------|--------|---------|
| -120.21 | -77.78 | 0.00184 | -127.28 | -70.71 | 0.00161 |
| -134.35 | -63.64 | 0.00141 | -141.42 | -56.57 | 0.00124 |
| -148.49 | -49.50 | 0.00110 | -155.56 | -42.43 | 0.00098 |
| -162.63 | -35.36 | 0.00089 | -169.71 | -28.28 | 0.00080 |

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

14:41:32  
 \*\*MODELOPTs:  
 PAGE 138  
 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     | 0.00316 | -42.43      | -169.71     | 0.00349 |
| -49.50      | -162.63     | 0.00387 | -56.57      | -155.56     | 0.00428 |
| -63.64      | -148.49     | 0.00474 | -70.71      | -141.42     | 0.00523 |
| -77.78      | -134.35     | 0.00571 | -84.85      | -127.28     | 0.00609 |
| -88.39      | -123.74     | 0.00620 | -91.92      | -120.21     | 0.00622 |
| -94.05      | -118.09     | 0.00616 | -95.46      | -116.67     | 0.00610 |
| -96.87      | -115.26     | 0.00601 | -98.29      | -113.84     | 0.00592 |
| -99.70      | -112.43     | 0.00583 | -112.43     | -99.70      | 0.00239 |
| -113.84     | -98.29      | 0.00232 | -115.26     | -96.87      | 0.00226 |
| -116.67     | -95.46      | 0.00220 | -118.09     | -94.05      | 0.00215 |
| -120.21     | -91.92      | 0.00207 | -123.74     | -88.39      | 0.00194 |
| -127.28     | -84.85      | 0.00181 | -134.35     | -77.78      | 0.00159 |
| -141.42     | -70.71      | 0.00139 | -148.49     | -63.64      | 0.00123 |
| -155.56     | -56.57      | 0.00109 | -162.63     | -49.50      | 0.00097 |
| -169.71     | -42.43      | 0.00088 | -176.78     | -35.36      | 0.00079 |
| -42.43      | -183.85     | 0.00305 | -49.50      | -176.78     | 0.00337 |
| -56.57      | -169.71     | 0.00375 | -63.64      | -162.63     | 0.00417 |
| -70.71      | -155.56     | 0.00464 | -77.78      | -148.49     | 0.00514 |
| -84.85      | -141.42     | 0.00563 | -91.92      | -134.35     | 0.00603 |
| -95.46      | -130.81     | 0.00614 | -98.99      | -127.28     | 0.00617 |
| -101.12     | -125.16     | 0.00612 | -102.53     | -123.74     | 0.00606 |
| -103.94     | -122.33     | 0.00598 | -105.36     | -120.92     | 0.00588 |
| -106.77     | -119.50     | 0.00579 | -119.50     | -106.77     | 0.00237 |
| -120.92     | -105.36     | 0.00229 | -122.33     | -103.94     | 0.00223 |
| -123.74     | -102.53     | 0.00217 | -125.16     | -101.12     | 0.00212 |
| -127.28     | -98.99      | 0.00204 | -130.81     | -95.46      | 0.00191 |
| -134.35     | -91.92      | 0.00179 | -141.42     | -84.85      | 0.00157 |
| -148.49     | -77.78      | 0.00138 | -155.56     | -70.71      | 0.00121 |
| -162.63     | -63.64      | 0.00108 | -169.71     | -56.57      | 0.00096 |
| -176.78     | -49.50      | 0.00086 | -183.85     | -42.43      | 0.00078 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -49.50  | -190.92 | 0.00290 | -56.57  | -183.85 | 0.00322 |
| -63.64  | -176.78 | 0.00359 | -70.71  | -169.71 | 0.00402 |
| -77.78  | -162.63 | 0.00450 | -84.85  | -155.56 | 0.00502 |
| -91.92  | -148.49 | 0.00553 | -98.99  | -141.42 | 0.00595 |
| -102.53 | -137.89 | 0.00607 | -106.07 | -134.35 | 0.00610 |
| -108.19 | -132.23 | 0.00606 | -109.60 | -130.81 | 0.00600 |
| -111.02 | -129.40 | 0.00593 | -112.43 | -127.99 | 0.00583 |
| -113.84 | -126.57 | 0.00574 | -126.57 | -113.84 | 0.00233 |
| -127.99 | -112.43 | 0.00225 | -129.40 | -111.02 | 0.00219 |
| -130.81 | -109.60 | 0.00213 | -132.23 | -108.19 | 0.00208 |

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

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

14:41:32

\*\*MODELOPTs:  
PAGE 139

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     | 0.00200 | -137.89     | -102.53     | 0.00188 |
| -141.42     | -98.99      | 0.00176 | -148.49     | -91.92      | 0.00154 |
| -155.56     | -84.85      | 0.00136 | -162.63     | -77.78      | 0.00120 |
| -169.71     | -70.71      | 0.00106 | -176.78     | -63.64      | 0.00094 |
| -183.85     | -56.57      | 0.00085 | -190.92     | -49.50      | 0.00076 |
| -56.57      | -197.99     | 0.00272 | -63.64      | -190.92     | 0.00303 |
| -70.71      | -183.85     | 0.00339 | -77.78      | -176.78     | 0.00381 |
| -84.85      | -169.71     | 0.00429 | -91.92      | -162.63     | 0.00482 |
| -98.99      | -155.56     | 0.00536 | -106.07     | -148.49     | 0.00581 |
| -109.60     | -144.96     | 0.00595 | -113.14     | -141.42     | 0.00600 |
| -115.26     | -139.30     | 0.00596 | -116.67     | -137.89     | 0.00592 |
| -118.09     | -136.47     | 0.00584 | -119.50     | -135.06     | 0.00576 |
| -120.92     | -133.64     | 0.00566 | -133.64     | -120.92     | 0.00228 |
| -135.06     | -119.50     | 0.00220 | -136.47     | -118.09     | 0.00214 |
| -137.89     | -116.67     | 0.00208 | -139.30     | -115.26     | 0.00203 |
| -141.42     | -113.14     | 0.00195 | -144.96     | -109.60     | 0.00184 |
| -148.49     | -106.07     | 0.00172 | -155.56     | -98.99      | 0.00151 |
| -162.63     | -91.92      | 0.00133 | -169.71     | -84.85      | 0.00117 |
| -176.78     | -77.78      | 0.00103 | -183.85     | -70.71      | 0.00092 |
| -190.92     | -63.64      | 0.00083 | -197.99     | -56.57      | 0.00074 |
| -63.64      | -205.06     | 0.00250 | -70.71      | -197.99     | 0.00279 |
| -77.78      | -190.92     | 0.00313 | -84.85      | -183.85     | 0.00352 |
| -91.92      | -176.78     | 0.00399 | -98.99      | -169.71     | 0.00452 |
| -106.07     | -162.63     | 0.00508 | -113.14     | -155.56     | 0.00559 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -116.67 | -152.03 | 0.00576 | -120.21 | -148.49 | 0.00584 |
| -122.33 | -146.37 | 0.00582 | -123.74 | -144.96 | 0.00578 |
| -125.16 | -143.54 | 0.00572 | -126.57 | -142.13 | 0.00564 |
| -127.99 | -140.71 | 0.00555 | -140.71 | -127.99 | 0.00221 |
| -142.13 | -126.57 | 0.00213 | -143.54 | -125.16 | 0.00207 |
| -144.96 | -123.74 | 0.00201 | -146.37 | -122.33 | 0.00196 |
| -148.49 | -120.21 | 0.00189 | -152.03 | -116.67 | 0.00178 |
| -155.56 | -113.14 | 0.00168 | -162.63 | -106.07 | 0.00147 |
| -169.71 | -98.99  | 0.00129 | -176.78 | -91.92  | 0.00113 |
| -183.85 | -84.85  | 0.00100 | -190.92 | -77.78  | 0.00089 |
| -197.99 | -70.71  | 0.00080 | -205.06 | -63.64  | 0.00072 |
| -70.71  | -212.13 | 0.00223 | -77.78  | -205.06 | 0.00248 |
| -84.85  | -197.99 | 0.00278 | -91.92  | -190.92 | 0.00314 |
| -98.99  | -183.85 | 0.00357 | -106.07 | -176.78 | 0.00406 |
| -113.14 | -169.71 | 0.00461 | -120.21 | -162.63 | 0.00517 |
| -123.74 | -159.10 | 0.00539 | -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      \*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 140

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    |
|-------------|-------------|---------|-------------|-------------|---------|
| -129.40     | -153.44     | 0.00555 | -130.81     | -152.03     | 0.00554 |
| -132.23     | -150.61     | 0.00550 | -133.64     | -149.20     | 0.00544 |
| -135.06     | -147.79     | 0.00538 | -147.79     | -135.06     | 0.00210 |
| -149.20     | -133.64     | 0.00203 | -150.61     | -132.23     | 0.00198 |
| -152.03     | -130.81     | 0.00193 | -153.44     | -129.40     | 0.00188 |
| -155.56     | -127.28     | 0.00182 | -159.10     | -123.74     | 0.00172 |
| -162.63     | -120.21     | 0.00161 | -169.71     | -113.14     | 0.00141 |
| -176.78     | -106.07     | 0.00124 | -183.85     | -98.99      | 0.00108 |
| -190.92     | -91.92      | 0.00096 | -197.99     | -84.85      | 0.00085 |
| -205.06     | -77.78      | 0.00076 | -212.13     | -70.71      | 0.00069 |
| -77.78      | -219.20     | 0.00194 | -84.85      | -212.13     | 0.00214 |
| -91.92      | -205.06     | 0.00237 | -98.99      | -197.99     | 0.00266 |
| -106.07     | -190.92     | 0.00300 | -113.14     | -183.85     | 0.00340 |
| -120.21     | -176.78     | 0.00387 | -127.28     | -169.71     | 0.00438 |
| -130.81     | -166.17     | 0.00463 | -134.35     | -162.63     | 0.00485 |
| -136.47     | -160.51     | 0.00495 | -137.89     | -159.10     | 0.00499 |
| -139.30     | -157.68     | 0.00502 | -140.71     | -156.27     | 0.00502 |
| -142.13     | -154.86     | 0.00501 | -154.86     | -142.13     | 0.00196 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -156.27 | -140.71 | 0.00190 | -157.68 | -139.30 | 0.00185 |
| -159.10 | -137.89 | 0.00181 | -160.51 | -136.47 | 0.00177 |
| -162.63 | -134.35 | 0.00171 | -166.17 | -130.81 | 0.00161 |
| -169.71 | -127.28 | 0.00151 | -176.78 | -120.21 | 0.00132 |
| -183.85 | -113.14 | 0.00115 | -190.92 | -106.07 | 0.00101 |
| -197.99 | -98.99  | 0.00089 | -205.06 | -91.92  | 0.00080 |
| -212.13 | -84.85  | 0.00072 | -219.20 | -77.78  | 0.00065 |
| -84.85  | -226.27 | 0.00164 | -91.92  | -219.20 | 0.00178 |
| -98.99  | -212.13 | 0.00194 | -106.07 | -205.06 | 0.00213 |
| -113.14 | -197.99 | 0.00234 | -120.21 | -190.92 | 0.00258 |
| -127.28 | -183.85 | 0.00283 | -134.35 | -176.78 | 0.00309 |
| -137.89 | -173.24 | 0.00322 | -141.42 | -169.71 | 0.00336 |
| -143.54 | -167.58 | 0.00345 | -144.96 | -166.17 | 0.00352 |
| -146.37 | -164.76 | 0.00361 | -147.79 | -163.34 | 0.00372 |
| -149.20 | -161.93 | 0.00386 | -161.93 | -149.20 | 0.00174 |
| -163.34 | -147.79 | 0.00168 | -164.76 | -146.37 | 0.00162 |
| -166.17 | -144.96 | 0.00158 | -167.58 | -143.54 | 0.00154 |
| -169.71 | -141.42 | 0.00149 | -173.24 | -137.89 | 0.00140 |
| -176.78 | -134.35 | 0.00132 | -183.85 | -127.28 | 0.00117 |
| -190.92 | -120.21 | 0.00103 | -197.99 | -113.14 | 0.00092 |
| -205.06 | -106.07 | 0.00082 | -212.13 | -98.99  | 0.00073 |
| -219.20 | -91.92  | 0.00066 | -226.27 | -84.85  | 0.00060 |

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

14:41:32

\*\*MODELOPTs:

PAGE 141

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    |
|-------------|-------------|---------|-------------|-------------|---------|
| -91.92      | -233.35     | 0.00137 | -98.99      | -226.27     | 0.00146 |
| -106.07     | -219.20     | 0.00156 | -113.14     | -212.13     | 0.00167 |
| -120.21     | -205.06     | 0.00177 | -127.28     | -197.99     | 0.00186 |
| -134.35     | -190.92     | 0.00192 | -141.42     | -183.85     | 0.00191 |
| -144.96     | -180.31     | 0.00186 | -148.49     | -176.78     | 0.00178 |
| -150.61     | -174.66     | 0.00172 | -152.03     | -173.24     | 0.00168 |
| -153.44     | -171.83     | 0.00163 | -154.86     | -170.41     | 0.00158 |
| -156.27     | -169.00     | 0.00152 | -169.00     | -156.27     | 0.00122 |
| -170.41     | -154.86     | 0.00121 | -171.83     | -153.44     | 0.00119 |
| -173.24     | -152.03     | 0.00118 | -174.66     | -150.61     | 0.00117 |
| -176.78     | -148.49     | 0.00115 | -180.31     | -144.96     | 0.00112 |
| -183.85     | -141.42     | 0.00108 | -190.92     | -134.35     | 0.00098 |

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| -197.99 | -127.28 | 0.00089 | -205.06 | -120.21 | 0.00081 |
| -212.13 | -113.14 | 0.00073 | -219.20 | -106.07 | 0.00066 |
| -226.27 | -98.99  | 0.00060 | -233.35 | -91.92  | 0.00055 |
| -98.99  | -240.42 | 0.00114 | -106.07 | -233.35 | 0.00120 |
| -113.14 | -226.27 | 0.00126 | -120.21 | -219.20 | 0.00131 |
| -127.28 | -212.13 | 0.00135 | -134.35 | -205.06 | 0.00137 |
| -141.42 | -197.99 | 0.00135 | -148.49 | -190.92 | 0.00129 |
| -152.03 | -187.38 | 0.00124 | -155.56 | -183.85 | 0.00119 |
| -157.68 | -181.73 | 0.00115 | -159.10 | -180.31 | 0.00113 |
| -160.51 | -178.90 | 0.00112 | -161.93 | -177.48 | 0.00111 |
| -163.34 | -176.07 | 0.00110 | -176.07 | -163.34 | 0.00097 |
| -177.48 | -161.93 | 0.00095 | -178.90 | -160.51 | 0.00093 |
| -180.31 | -159.10 | 0.00092 | -181.73 | -157.68 | 0.00091 |
| -183.85 | -155.56 | 0.00090 | -187.38 | -152.03 | 0.00088 |
| -190.92 | -148.49 | 0.00086 | -197.99 | -141.42 | 0.00082 |
| -205.06 | -134.35 | 0.00076 | -212.13 | -127.28 | 0.00070 |
| -219.20 | -120.21 | 0.00064 | -226.27 | -113.14 | 0.00059 |
| -233.35 | -106.07 | 0.00054 | -240.42 | -98.99  | 0.00050 |
| -106.07 | -247.49 | 0.00096 | -113.14 | -240.42 | 0.00099 |
| -120.21 | -233.35 | 0.00102 | -127.28 | -226.27 | 0.00104 |
| -134.35 | -219.20 | 0.00105 | -141.42 | -212.13 | 0.00104 |
| -148.49 | -205.06 | 0.00101 | -155.56 | -197.99 | 0.00097 |
| -159.10 | -194.45 | 0.00094 | -162.63 | -190.92 | 0.00092 |
| -164.76 | -188.80 | 0.00092 | -166.17 | -187.38 | 0.00092 |
| -167.58 | -185.97 | 0.00092 | -169.00 | -184.55 | 0.00092 |
| -170.41 | -183.14 | 0.00092 | -183.14 | -170.41 | 0.00084 |
| -184.55 | -169.00 | 0.00082 | -185.97 | -167.58 | 0.00079 |
| -187.38 | -166.17 | 0.00078 | -188.80 | -164.76 | 0.00076 |

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

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

14:41:32  
 \*\*MODELOPTS:  
 PAGE 142

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     | 0.00075 | -194.45     | -159.10     | 0.00072 |
| -197.99     | -155.56     | 0.00070 | -205.06     | -148.49     | 0.00067 |
| -212.13     | -141.42     | 0.00064 | -219.20     | -134.35     | 0.00060 |
| -226.27     | -127.28     | 0.00056 | -233.35     | -120.21     | 0.00053 |
| -240.42     | -113.14     | 0.00049 | -247.49     | -106.07     | 0.00046 |

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

04/20/08

11NCRA\_PL91-300\_DPM\_TRAV\_ANN\_NE-SW Bound

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

\*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 143

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  | 0.00535 AT ( -113.14, -141.42, 0.00, 1.20) | DC      | NA              |
|          | 2ND HIGHEST VALUE IS  | 0.00535 AT ( -106.07, -134.35, 0.00, 1.20) | DC      | NA              |
|          | 3RD HIGHEST VALUE IS  | 0.00532 AT ( -102.53, -137.89, 0.00, 1.20) | DC      | NA              |
|          | 4TH HIGHEST VALUE IS  | 0.00531 AT ( -115.26, -139.30, 0.00, 1.20) | DC      | NA              |
|          | 5TH HIGHEST VALUE IS  | 0.00531 AT ( -109.60, -144.96, 0.00, 1.20) | DC      | NA              |
|          | 6TH HIGHEST VALUE IS  | 0.00530 AT ( -108.19, -132.23, 0.00, 1.20) | DC      | NA              |
|          | 7TH HIGHEST VALUE IS  | 0.00527 AT ( -98.99, -127.28, 0.00, 1.20)  | DC      | NA              |
|          | 8TH HIGHEST VALUE IS  | 0.00527 AT ( -120.21, -148.49, 0.00, 1.20) | DC      | NA              |
|          | 9TH HIGHEST VALUE IS  | 0.00526 AT ( -116.67, -137.89, 0.00, 1.20) | DC      | NA              |
|          | 10TH HIGHEST VALUE IS | 0.00526 AT ( -122.33, -146.37, 0.00, 1.20) | DC      | NA              |
| NCRA_S2  | 1ST HIGHEST VALUE IS  | 0.00535 AT ( -49.50, -77.78, 0.00, 1.20)   | DC      | NA              |
|          | 2ND HIGHEST VALUE IS  | 0.00535 AT ( -42.43, -70.71, 0.00, 1.20)   | DC      | NA              |
|          | 3RD HIGHEST VALUE IS  | 0.00532 AT ( -38.89, -74.25, 0.00, 1.20)   | DC      | NA              |
|          | 4TH HIGHEST VALUE IS  | 0.00531 AT ( -51.62, -75.66, 0.00, 1.20)   | DC      | NA              |
|          | 5TH HIGHEST VALUE IS  | 0.00531 AT ( -45.96, -81.32, 0.00, 1.20)   | DC      | NA              |
|          | 6TH HIGHEST VALUE IS  | 0.00530 AT ( -44.55, -68.59, 0.00, 1.20)   | DC      | NA              |
|          | 7TH HIGHEST VALUE IS  | 0.00527 AT ( -35.36, -63.64, 0.00, 1.20)   | DC      | NA              |
|          | 8TH HIGHEST VALUE IS  | 0.00527 AT ( -56.57, -84.85, 0.00, 1.20)   | DC      | NA              |
|          | 9TH HIGHEST VALUE IS  | 0.00526 AT ( -53.03, -74.25, 0.00, 1.20)   | DC      | NA              |
|          | 10TH HIGHEST VALUE IS | 0.00526 AT ( -58.69, -82.73, 0.00, 1.20)   | DC      | NA              |
| NCRA_S3  | 1ST HIGHEST VALUE IS  | 0.00535 AT ( 14.14, -14.14, 0.00, 1.20)    | DC      | NA              |
|          | 2ND HIGHEST VALUE IS  | 0.00535 AT ( 21.21, -7.07, 0.00, 1.20)     | DC      | NA              |
|          | 3RD HIGHEST VALUE IS  | 0.00532 AT ( 24.75, -10.61, 0.00, 1.20)    | DC      | NA              |
|          | 4TH HIGHEST VALUE IS  | 0.00531 AT ( 12.02, -12.02, 0.00, 1.20)    | DC      | NA              |
|          | 5TH HIGHEST VALUE IS  | 0.00531 AT ( 17.68, -17.68, 0.00, 1.20)    | DC      | NA              |
|          | 6TH HIGHEST VALUE IS  | 0.00530 AT ( 19.09, -4.95, 0.00, 1.20)     | DC      | NA              |
|          | 7TH HIGHEST VALUE IS  | 0.00527 AT ( 28.28, 0.00, 0.00, 1.20)      | DC      | NA              |
|          | 8TH HIGHEST VALUE IS  | 0.00527 AT ( 7.07, -21.21, 0.00, 1.20)     | DC      | NA              |
|          | 9TH HIGHEST VALUE IS  | 0.00526 AT ( 10.61, -10.61, 0.00, 1.20)    | DC      | NA              |
|          | 10TH HIGHEST VALUE IS | 0.00526 AT ( 4.95, -19.09, 0.00, 1.20)     | DC      | NA              |

1 \*\*\* ISCST3 - VERSION 02035 \*\*\*

\*\*\* NCRA Cumulative DPM Impacts

\*\*\*

04/20/08

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

\*\*\*

14:41:32

\*\*MODELOPTs:

PAGE 144

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  | 0.00535 AT ( 77.78, 49.50, 0.00, 1.20)   | DC      | NA              |
|          | 2ND HIGHEST VALUE IS  | 0.00535 AT ( 84.85, 56.57, 0.00, 1.20)   | DC      | NA              |
|          | 3RD HIGHEST VALUE IS  | 0.00532 AT ( 88.39, 53.03, 0.00, 1.20)   | DC      | NA              |
|          | 4TH HIGHEST VALUE IS  | 0.00531 AT ( 75.66, 51.62, 0.00, 1.20)   | DC      | NA              |
|          | 5TH HIGHEST VALUE IS  | 0.00531 AT ( 81.32, 45.96, 0.00, 1.20)   | DC      | NA              |
|          | 6TH HIGHEST VALUE IS  | 0.00530 AT ( 82.73, 58.69, 0.00, 1.20)   | DC      | NA              |
|          | 7TH HIGHEST VALUE IS  | 0.00527 AT ( 91.92, 63.64, 0.00, 1.20)   | DC      | NA              |
|          | 8TH HIGHEST VALUE IS  | 0.00527 AT ( 70.71, 42.43, 0.00, 1.20)   | DC      | NA              |
|          | 9TH HIGHEST VALUE IS  | 0.00526 AT ( 74.25, 53.03, 0.00, 1.20)   | DC      | NA              |
|          | 10TH HIGHEST VALUE IS | 0.00526 AT ( 68.59, 44.55, 0.00, 1.20)   | DC      | NA              |
| NCRA_S5  | 1ST HIGHEST VALUE IS  | 0.00535 AT ( 141.42, 113.14, 0.00, 1.20) | DC      | NA              |
|          | 2ND HIGHEST VALUE IS  | 0.00535 AT ( 148.49, 120.21, 0.00, 1.20) | DC      | NA              |
|          | 3RD HIGHEST VALUE IS  | 0.00532 AT ( 152.03, 116.67, 0.00, 1.20) | DC      | NA              |
|          | 4TH HIGHEST VALUE IS  | 0.00531 AT ( 139.30, 115.26, 0.00, 1.20) | DC      | NA              |
|          | 5TH HIGHEST VALUE IS  | 0.00531 AT ( 144.96, 109.60, 0.00, 1.20) | DC      | NA              |
|          | 6TH HIGHEST VALUE IS  | 0.00530 AT ( 146.37, 122.33, 0.00, 1.20) | DC      | NA              |
|          | 7TH HIGHEST VALUE IS  | 0.00527 AT ( 155.56, 127.28, 0.00, 1.20) | DC      | NA              |
|          | 8TH HIGHEST VALUE IS  | 0.00527 AT ( 134.35, 106.07, 0.00, 1.20) | DC      | NA              |



| 11NCRA_PL91-300_DPM_TRAV_ANN_NE-SW Bound |                       |         |      |         |         |       |       |    |    |
|--|-----------------------|---------|------|---------|---------|-------|-------|----|----|
|  | 9TH HIGHEST VALUE IS  | 0.00526 | AT ( | 137.89, | 116.67, | 0.00, | 1.20) | DC | NA |
|  | 10TH HIGHEST VALUE IS | 0.00526 | AT ( | 132.23, | 108.19, | 0.00, | 1.20) | DC | NA |
| ALL                                      | 1ST HIGHEST VALUE IS  | 0.00635 | AT ( | -10.61, | -45.96, | 0.00, | 1.20) | DC | NA |
|  | 2ND HIGHEST VALUE IS  | 0.00635 | AT ( | -14.14, | -42.43, | 0.00, | 1.20) | DC | NA |
|  | 3RD HIGHEST VALUE IS  | 0.00635 | AT ( | -17.68, | -53.03, | 0.00, | 1.20) | DC | NA |
|  | 4TH HIGHEST VALUE IS  | 0.00635 | AT ( | -3.54,  | -38.89, | 0.00, | 1.20) | DC | NA |
|  | 5TH HIGHEST VALUE IS  | 0.00635 | AT ( | -21.21, | -49.50, | 0.00, | 1.20) | DC | NA |
|  | 6TH HIGHEST VALUE IS  | 0.00635 | AT ( | -7.07,  | -35.36, | 0.00, | 1.20) | DC | NA |
|  | 7TH HIGHEST VALUE IS  | 0.00635 | AT ( | -28.28, | -56.57, | 0.00, | 1.20) | DC | NA |
|  | 8TH HIGHEST VALUE IS  | 0.00635 | AT ( | 3.54,   | -31.82, | 0.00, | 1.20) | DC | NA |
|  | 9TH HIGHEST VALUE IS  | 0.00634 | AT ( | -24.75, | -60.10, | 0.00, | 1.20) | DC | NA |
|  | 10TH HIGHEST VALUE IS | 0.00634 | AT ( | 10.61,  | -24.75, | 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 \*\*\*

04/20/08

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

14:41:32

\*\*MODELOPTs:  
 PAGE 145

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 6 Informational Message(s)  
 A Total of 6 Calm Hours Identified

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
 \*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
 \*\*\* NONE \*\*\*

\*\*\*\*\*  
 \*\*\* ISCST3 Finishes Successfully \*\*\*  
 \*\*\*\*\*