

ISCST3x VERSION 4.4.3
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Run Began on 4/20/2008 at 10:54:16

** BREEZE ISC GIS Pro v5.1.2 - C:\NCRA\Modeling\DPM Risk\Traveling
Trains\Petaluma\09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound.dat

** Trinity Consultants

CO STARTING
CO TITLEONE NCRA Cumulative DPM Impacts
CO TITLETWO Maximum train overlap at East/West 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 135.0 4.5 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S2 AREA 45.0 4.5 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S3 AREA -45.0 4.5 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S4 AREA -135.0 4.5 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO LOCATION NCRA_S5 AREA -225.0 4.5 0
** SRCDESCR NCRA Cumulative Trains 2, 3 &4_North-South
SO SRCPARAM NCRA_S1 2.110000E-08 4.953 9 90 90 2.3
SO SRCPARAM NCRA_S2 2.110000E-08 4.953 9 90 90 2.3
SO SRCPARAM NCRA_S3 2.110000E-08 4.953 9 90 90 2.3
SO SRCPARAM NCRA_S4 2.110000E-08 4.953 9 90 90 2.3
SO SRCPARAM NCRA_S5 2.110000E-08 4.953 9 90 90 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

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| RE DISCCART | -250.0 | 100.0 | 1.2 |
| RE DISCCART | -250.0 | 90.0 | 1.2 |
| RE DISCCART | -250.0 | 80.0 | 1.2 |
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| RE DISCCART | -250.0 | -30.0 | 1.2 |
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| RE DISCCART | -250.0 | -60.0 | 1.2 |
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| RE DISCCART | -140.0 | 15.0 | 1.2 |
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| RE DISCCART | -140.0 | -9.0 | 1.2 |
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| RE DISCCART | -140.0 | -20.0 | 1.2 |

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| RE DISCCART | -130.0 | 17.0 | 1.2 |
| RE DISCCART | -130.0 | 15.0 | 1.2 |
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| RE DISCCART | -110.0 | 80.0 | 1.2 |
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| RE DISCCART | -80.0 | -11.0 | 1.2 |

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| RE DISCCART | -20.0 | -80.0 | 1.2 |
| RE DISCCART | -20.0 | -90.0 | 1.2 |
| RE DISCCART | -20.0 | -100.0 | 1.2 |
| RE DISCCART | -10.0 | 100.0 | 1.2 |
| RE DISCCART | -10.0 | 90.0 | 1.2 |
| RE DISCCART | -10.0 | 80.0 | 1.2 |
| RE DISCCART | -10.0 | 70.0 | 1.2 |
| RE DISCCART | -10.0 | 60.0 | 1.2 |
| RE DISCCART | -10.0 | 50.0 | 1.2 |
| RE DISCCART | -10.0 | 40.0 | 1.2 |
| RE DISCCART | -10.0 | 30.0 | 1.2 |
| RE DISCCART | -10.0 | 25.0 | 1.2 |
| RE DISCCART | -10.0 | 20.0 | 1.2 |
| RE DISCCART | -10.0 | 17.0 | 1.2 |
| RE DISCCART | -10.0 | 15.0 | 1.2 |
| RE DISCCART | -10.0 | 13.0 | 1.2 |
| RE DISCCART | -10.0 | 11.0 | 1.2 |
| RE DISCCART | -10.0 | 9.0 | 1.2 |
| RE DISCCART | -10.0 | -9.0 | 1.2 |
| RE DISCCART | -10.0 | -11.0 | 1.2 |
| RE DISCCART | -10.0 | -13.0 | 1.2 |
| RE DISCCART | -10.0 | -15.0 | 1.2 |
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| RE DISCCART | -10.0 | -30.0 | 1.2 |
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| RE DISCCART | -10.0 | -60.0 | 1.2 |
| RE DISCCART | -10.0 | -70.0 | 1.2 |

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| RE DISCCART | -10.0 | -90.0 | 1.2 |
| RE DISCCART | -10.0 | -100.0 | 1.2 |
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| RE DISCCART | 0.0 | 80.0 | 1.2 |
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| RE DISCCART | 0.0 | 50.0 | 1.2 |
| RE DISCCART | 0.0 | 40.0 | 1.2 |
| RE DISCCART | 0.0 | 30.0 | 1.2 |
| RE DISCCART | 0.0 | 25.0 | 1.2 |
| RE DISCCART | 0.0 | 20.0 | 1.2 |
| RE DISCCART | 0.0 | 17.0 | 1.2 |
| RE DISCCART | 0.0 | 15.0 | 1.2 |
| RE DISCCART | 0.0 | 13.0 | 1.2 |
| RE DISCCART | 0.0 | 11.0 | 1.2 |
| RE DISCCART | 0.0 | 9.0 | 1.2 |
| RE DISCCART | 0.0 | -9.0 | 1.2 |
| RE DISCCART | 0.0 | -11.0 | 1.2 |
| RE DISCCART | 0.0 | -13.0 | 1.2 |
| RE DISCCART | 0.0 | -15.0 | 1.2 |
| RE DISCCART | 0.0 | -17.0 | 1.2 |
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| RE DISCCART | 10.0 | 80.0 | 1.2 |
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| RE DISCCART | 10.0 | 40.0 | 1.2 |
| RE DISCCART | 10.0 | 30.0 | 1.2 |
| RE DISCCART | 10.0 | 25.0 | 1.2 |
| RE DISCCART | 10.0 | 20.0 | 1.2 |
| RE DISCCART | 10.0 | 17.0 | 1.2 |

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| RE DISCCART | 10.0 | 15.0 | 1.2 |
| RE DISCCART | 10.0 | 13.0 | 1.2 |
| RE DISCCART | 10.0 | 11.0 | 1.2 |
| RE DISCCART | 10.0 | 9.0 | 1.2 |
| RE DISCCART | 10.0 | -9.0 | 1.2 |
| RE DISCCART | 10.0 | -11.0 | 1.2 |
| RE DISCCART | 10.0 | -13.0 | 1.2 |
| RE DISCCART | 10.0 | -15.0 | 1.2 |
| RE DISCCART | 10.0 | -17.0 | 1.2 |
| RE DISCCART | 10.0 | -20.0 | 1.2 |
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| RE DISCCART | 10.0 | -30.0 | 1.2 |
| RE DISCCART | 10.0 | -40.0 | 1.2 |
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| RE DISCCART | 10.0 | -90.0 | 1.2 |
| RE DISCCART | 10.0 | -100.0 | 1.2 |
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| RE DISCCART | 20.0 | 80.0 | 1.2 |
| RE DISCCART | 20.0 | 70.0 | 1.2 |
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| RE DISCCART | 20.0 | 25.0 | 1.2 |
| RE DISCCART | 20.0 | 20.0 | 1.2 |
| RE DISCCART | 20.0 | 17.0 | 1.2 |
| RE DISCCART | 20.0 | 15.0 | 1.2 |
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| RE DISCCART | 20.0 | -20.0 | 1.2 |
| RE DISCCART | 20.0 | -25.0 | 1.2 |
| RE DISCCART | 20.0 | -30.0 | 1.2 |
| RE DISCCART | 20.0 | -40.0 | 1.2 |
| RE DISCCART | 20.0 | -50.0 | 1.2 |

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| RE DISCCART | 20.0 | -70.0 | 1.2 |
| RE DISCCART | 20.0 | -80.0 | 1.2 |
| RE DISCCART | 20.0 | -90.0 | 1.2 |
| RE DISCCART | 20.0 | -100.0 | 1.2 |
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| RE DISCCART | 30.0 | 80.0 | 1.2 |
| RE DISCCART | 30.0 | 70.0 | 1.2 |
| RE DISCCART | 30.0 | 60.0 | 1.2 |
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| RE DISCCART | 30.0 | 30.0 | 1.2 |
| RE DISCCART | 30.0 | 25.0 | 1.2 |
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| RE DISCCART | 30.0 | -60.0 | 1.2 |
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| RE DISCCART | 30.0 | -90.0 | 1.2 |
| RE DISCCART | 30.0 | -100.0 | 1.2 |
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| RE DISCCART | 40.0 | 80.0 | 1.2 |
| RE DISCCART | 40.0 | 70.0 | 1.2 |
| RE DISCCART | 40.0 | 60.0 | 1.2 |
| RE DISCCART | 40.0 | 50.0 | 1.2 |
| RE DISCCART | 40.0 | 40.0 | 1.2 |
| RE DISCCART | 40.0 | 30.0 | 1.2 |
| RE DISCCART | 40.0 | 25.0 | 1.2 |

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| RE DISCCART | 40.0 | 20.0 | 1.2 |
| RE DISCCART | 40.0 | 17.0 | 1.2 |
| RE DISCCART | 40.0 | 15.0 | 1.2 |
| RE DISCCART | 40.0 | 13.0 | 1.2 |
| RE DISCCART | 40.0 | 11.0 | 1.2 |
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| RE DISCCART | 40.0 | -9.0 | 1.2 |
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| RE DISCCART | 40.0 | -13.0 | 1.2 |
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| RE DISCCART | 40.0 | -17.0 | 1.2 |
| RE DISCCART | 40.0 | -20.0 | 1.2 |
| RE DISCCART | 40.0 | -25.0 | 1.2 |
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| RE DISCCART | 40.0 | -100.0 | 1.2 |
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| RE DISCCART | 50.0 | 80.0 | 1.2 |
| RE DISCCART | 50.0 | 70.0 | 1.2 |
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| RE DISCCART | 50.0 | 40.0 | 1.2 |
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| RE DISCCART | 50.0 | 25.0 | 1.2 |
| RE DISCCART | 50.0 | 20.0 | 1.2 |
| RE DISCCART | 50.0 | 17.0 | 1.2 |
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| RE DISCCART | 50.0 | -13.0 | 1.2 |
| RE DISCCART | 50.0 | -15.0 | 1.2 |
| RE DISCCART | 50.0 | -17.0 | 1.2 |
| RE DISCCART | 50.0 | -20.0 | 1.2 |
| RE DISCCART | 50.0 | -25.0 | 1.2 |
| RE DISCCART | 50.0 | -30.0 | 1.2 |

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| RE DISCCART | 50.0 | -40.0 | 1.2 |
| RE DISCCART | 50.0 | -50.0 | 1.2 |
| RE DISCCART | 50.0 | -60.0 | 1.2 |
| RE DISCCART | 50.0 | -70.0 | 1.2 |
| RE DISCCART | 50.0 | -80.0 | 1.2 |
| RE DISCCART | 50.0 | -90.0 | 1.2 |
| RE DISCCART | 50.0 | -100.0 | 1.2 |
| RE DISCCART | 60.0 | 100.0 | 1.2 |
| RE DISCCART | 60.0 | 90.0 | 1.2 |
| RE DISCCART | 60.0 | 80.0 | 1.2 |
| RE DISCCART | 60.0 | 70.0 | 1.2 |
| RE DISCCART | 60.0 | 60.0 | 1.2 |
| RE DISCCART | 60.0 | 50.0 | 1.2 |
| RE DISCCART | 60.0 | 40.0 | 1.2 |
| RE DISCCART | 60.0 | 30.0 | 1.2 |
| RE DISCCART | 60.0 | 25.0 | 1.2 |
| RE DISCCART | 60.0 | 20.0 | 1.2 |
| RE DISCCART | 60.0 | 17.0 | 1.2 |
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| RE DISCCART | 60.0 | -80.0 | 1.2 |
| RE DISCCART | 60.0 | -90.0 | 1.2 |
| RE DISCCART | 60.0 | -100.0 | 1.2 |
| RE DISCCART | 70.0 | 100.0 | 1.2 |
| RE DISCCART | 70.0 | 90.0 | 1.2 |
| RE DISCCART | 70.0 | 80.0 | 1.2 |
| RE DISCCART | 70.0 | 70.0 | 1.2 |
| RE DISCCART | 70.0 | 60.0 | 1.2 |
| RE DISCCART | 70.0 | 50.0 | 1.2 |
| RE DISCCART | 70.0 | 40.0 | 1.2 |

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| RE DISCCART | 70.0 | 25.0 | 1.2 |
| RE DISCCART | 70.0 | 20.0 | 1.2 |
| RE DISCCART | 70.0 | 17.0 | 1.2 |
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| RE DISCCART | 70.0 | -70.0 | 1.2 |
| RE DISCCART | 70.0 | -80.0 | 1.2 |
| RE DISCCART | 70.0 | -90.0 | 1.2 |
| RE DISCCART | 70.0 | -100.0 | 1.2 |
| RE DISCCART | 80.0 | 100.0 | 1.2 |
| RE DISCCART | 80.0 | 90.0 | 1.2 |
| RE DISCCART | 80.0 | 80.0 | 1.2 |
| RE DISCCART | 80.0 | 70.0 | 1.2 |
| RE DISCCART | 80.0 | 60.0 | 1.2 |
| RE DISCCART | 80.0 | 50.0 | 1.2 |
| RE DISCCART | 80.0 | 40.0 | 1.2 |
| RE DISCCART | 80.0 | 30.0 | 1.2 |
| RE DISCCART | 80.0 | 25.0 | 1.2 |
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| RE DISCCART | 80.0 | -17.0 | 1.2 |
| RE DISCCART | 80.0 | -20.0 | 1.2 |

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| RE DISCCART | 80.0 | -30.0 | 1.2 |
| RE DISCCART | 80.0 | -40.0 | 1.2 |
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| RE DISCCART | 80.0 | -90.0 | 1.2 |
| RE DISCCART | 80.0 | -100.0 | 1.2 |
| RE DISCCART | 90.0 | 100.0 | 1.2 |
| RE DISCCART | 90.0 | 90.0 | 1.2 |
| RE DISCCART | 90.0 | 80.0 | 1.2 |
| RE DISCCART | 90.0 | 70.0 | 1.2 |
| RE DISCCART | 90.0 | 60.0 | 1.2 |
| RE DISCCART | 90.0 | 50.0 | 1.2 |
| RE DISCCART | 90.0 | 40.0 | 1.2 |
| RE DISCCART | 90.0 | 30.0 | 1.2 |
| RE DISCCART | 90.0 | 25.0 | 1.2 |
| RE DISCCART | 90.0 | 20.0 | 1.2 |
| RE DISCCART | 90.0 | 17.0 | 1.2 |
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| RE DISCCART | 90.0 | -90.0 | 1.2 |
| RE DISCCART | 90.0 | -100.0 | 1.2 |
| RE DISCCART | 100.0 | 100.0 | 1.2 |
| RE DISCCART | 100.0 | 90.0 | 1.2 |
| RE DISCCART | 100.0 | 80.0 | 1.2 |
| RE DISCCART | 100.0 | 70.0 | 1.2 |
| RE DISCCART | 100.0 | 60.0 | 1.2 |

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|-------------|-------|--------|-----|
| RE DISCCART | 100.0 | 50.0 | 1.2 |
| RE DISCCART | 100.0 | 40.0 | 1.2 |
| RE DISCCART | 100.0 | 30.0 | 1.2 |
| RE DISCCART | 100.0 | 25.0 | 1.2 |
| RE DISCCART | 100.0 | 20.0 | 1.2 |
| RE DISCCART | 100.0 | 17.0 | 1.2 |
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| RE DISCCART | 100.0 | 13.0 | 1.2 |
| RE DISCCART | 100.0 | 11.0 | 1.2 |
| RE DISCCART | 100.0 | 9.0 | 1.2 |
| RE DISCCART | 100.0 | -9.0 | 1.2 |
| RE DISCCART | 100.0 | -11.0 | 1.2 |
| RE DISCCART | 100.0 | -13.0 | 1.2 |
| RE DISCCART | 100.0 | -15.0 | 1.2 |
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| RE DISCCART | 100.0 | -20.0 | 1.2 |
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| RE DISCCART | 100.0 | -30.0 | 1.2 |
| RE DISCCART | 100.0 | -40.0 | 1.2 |
| RE DISCCART | 100.0 | -50.0 | 1.2 |
| RE DISCCART | 100.0 | -60.0 | 1.2 |
| RE DISCCART | 100.0 | -70.0 | 1.2 |
| RE DISCCART | 100.0 | -80.0 | 1.2 |
| RE DISCCART | 100.0 | -90.0 | 1.2 |
| RE DISCCART | 100.0 | -100.0 | 1.2 |
| RE DISCCART | 110.0 | 100.0 | 1.2 |
| RE DISCCART | 110.0 | 90.0 | 1.2 |
| RE DISCCART | 110.0 | 80.0 | 1.2 |
| RE DISCCART | 110.0 | 70.0 | 1.2 |
| RE DISCCART | 110.0 | 60.0 | 1.2 |
| RE DISCCART | 110.0 | 50.0 | 1.2 |
| RE DISCCART | 110.0 | 40.0 | 1.2 |
| RE DISCCART | 110.0 | 30.0 | 1.2 |
| RE DISCCART | 110.0 | 25.0 | 1.2 |
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| RE DISCCART | 110.0 | -13.0 | 1.2 |
| RE DISCCART | 110.0 | -15.0 | 1.2 |

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|-------------|-------|--------|-----|
| RE DISCCART | 110.0 | -17.0 | 1.2 |
| RE DISCCART | 110.0 | -20.0 | 1.2 |
| RE DISCCART | 110.0 | -25.0 | 1.2 |
| RE DISCCART | 110.0 | -30.0 | 1.2 |
| RE DISCCART | 110.0 | -40.0 | 1.2 |
| RE DISCCART | 110.0 | -50.0 | 1.2 |
| RE DISCCART | 110.0 | -60.0 | 1.2 |
| RE DISCCART | 110.0 | -70.0 | 1.2 |
| RE DISCCART | 110.0 | -80.0 | 1.2 |
| RE DISCCART | 110.0 | -90.0 | 1.2 |
| RE DISCCART | 110.0 | -100.0 | 1.2 |
| RE DISCCART | 120.0 | 100.0 | 1.2 |
| RE DISCCART | 120.0 | 90.0 | 1.2 |
| RE DISCCART | 120.0 | 80.0 | 1.2 |
| RE DISCCART | 120.0 | 70.0 | 1.2 |
| RE DISCCART | 120.0 | 60.0 | 1.2 |
| RE DISCCART | 120.0 | 50.0 | 1.2 |
| RE DISCCART | 120.0 | 40.0 | 1.2 |
| RE DISCCART | 120.0 | 30.0 | 1.2 |
| RE DISCCART | 120.0 | 25.0 | 1.2 |
| RE DISCCART | 120.0 | 20.0 | 1.2 |
| RE DISCCART | 120.0 | 17.0 | 1.2 |
| RE DISCCART | 120.0 | 15.0 | 1.2 |
| RE DISCCART | 120.0 | 13.0 | 1.2 |
| RE DISCCART | 120.0 | 11.0 | 1.2 |
| RE DISCCART | 120.0 | 9.0 | 1.2 |
| RE DISCCART | 120.0 | -9.0 | 1.2 |
| RE DISCCART | 120.0 | -11.0 | 1.2 |
| RE DISCCART | 120.0 | -13.0 | 1.2 |
| RE DISCCART | 120.0 | -15.0 | 1.2 |
| RE DISCCART | 120.0 | -17.0 | 1.2 |
| RE DISCCART | 120.0 | -20.0 | 1.2 |
| RE DISCCART | 120.0 | -25.0 | 1.2 |
| RE DISCCART | 120.0 | -30.0 | 1.2 |
| RE DISCCART | 120.0 | -40.0 | 1.2 |
| RE DISCCART | 120.0 | -50.0 | 1.2 |
| RE DISCCART | 120.0 | -60.0 | 1.2 |
| RE DISCCART | 120.0 | -70.0 | 1.2 |
| RE DISCCART | 120.0 | -80.0 | 1.2 |
| RE DISCCART | 120.0 | -90.0 | 1.2 |
| RE DISCCART | 120.0 | -100.0 | 1.2 |
| RE DISCCART | 130.0 | 100.0 | 1.2 |
| RE DISCCART | 130.0 | 90.0 | 1.2 |
| RE DISCCART | 130.0 | 80.0 | 1.2 |

| | | | |
|-------------|-------|--------|-----|
| RE DISCCART | 130.0 | 70.0 | 1.2 |
| RE DISCCART | 130.0 | 60.0 | 1.2 |
| RE DISCCART | 130.0 | 50.0 | 1.2 |
| RE DISCCART | 130.0 | 40.0 | 1.2 |
| RE DISCCART | 130.0 | 30.0 | 1.2 |
| RE DISCCART | 130.0 | 25.0 | 1.2 |
| RE DISCCART | 130.0 | 20.0 | 1.2 |
| RE DISCCART | 130.0 | 17.0 | 1.2 |
| RE DISCCART | 130.0 | 15.0 | 1.2 |
| RE DISCCART | 130.0 | 13.0 | 1.2 |
| RE DISCCART | 130.0 | 11.0 | 1.2 |
| RE DISCCART | 130.0 | 9.0 | 1.2 |
| RE DISCCART | 130.0 | -9.0 | 1.2 |
| RE DISCCART | 130.0 | -11.0 | 1.2 |
| RE DISCCART | 130.0 | -13.0 | 1.2 |
| RE DISCCART | 130.0 | -15.0 | 1.2 |
| RE DISCCART | 130.0 | -17.0 | 1.2 |
| RE DISCCART | 130.0 | -20.0 | 1.2 |
| RE DISCCART | 130.0 | -25.0 | 1.2 |
| RE DISCCART | 130.0 | -30.0 | 1.2 |
| RE DISCCART | 130.0 | -40.0 | 1.2 |
| RE DISCCART | 130.0 | -50.0 | 1.2 |
| RE DISCCART | 130.0 | -60.0 | 1.2 |
| RE DISCCART | 130.0 | -70.0 | 1.2 |
| RE DISCCART | 130.0 | -80.0 | 1.2 |
| RE DISCCART | 130.0 | -90.0 | 1.2 |
| RE DISCCART | 130.0 | -100.0 | 1.2 |
| RE DISCCART | 140.0 | 100.0 | 1.2 |
| RE DISCCART | 140.0 | 90.0 | 1.2 |
| RE DISCCART | 140.0 | 80.0 | 1.2 |
| RE DISCCART | 140.0 | 70.0 | 1.2 |
| RE DISCCART | 140.0 | 60.0 | 1.2 |
| RE DISCCART | 140.0 | 50.0 | 1.2 |
| RE DISCCART | 140.0 | 40.0 | 1.2 |
| RE DISCCART | 140.0 | 30.0 | 1.2 |
| RE DISCCART | 140.0 | 25.0 | 1.2 |
| RE DISCCART | 140.0 | 20.0 | 1.2 |
| RE DISCCART | 140.0 | 17.0 | 1.2 |
| RE DISCCART | 140.0 | 15.0 | 1.2 |
| RE DISCCART | 140.0 | 13.0 | 1.2 |
| RE DISCCART | 140.0 | 11.0 | 1.2 |
| RE DISCCART | 140.0 | 9.0 | 1.2 |
| RE DISCCART | 140.0 | -9.0 | 1.2 |
| RE DISCCART | 140.0 | -11.0 | 1.2 |

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|-------------|-------|--------|-----|
| RE DISCCART | 140.0 | -13.0 | 1.2 |
| RE DISCCART | 140.0 | -15.0 | 1.2 |
| RE DISCCART | 140.0 | -17.0 | 1.2 |
| RE DISCCART | 140.0 | -20.0 | 1.2 |
| RE DISCCART | 140.0 | -25.0 | 1.2 |
| RE DISCCART | 140.0 | -30.0 | 1.2 |
| RE DISCCART | 140.0 | -40.0 | 1.2 |
| RE DISCCART | 140.0 | -50.0 | 1.2 |
| RE DISCCART | 140.0 | -60.0 | 1.2 |
| RE DISCCART | 140.0 | -70.0 | 1.2 |
| RE DISCCART | 140.0 | -80.0 | 1.2 |
| RE DISCCART | 140.0 | -90.0 | 1.2 |
| RE DISCCART | 140.0 | -100.0 | 1.2 |
| RE DISCCART | 150.0 | 100.0 | 1.2 |
| RE DISCCART | 150.0 | 90.0 | 1.2 |
| RE DISCCART | 150.0 | 80.0 | 1.2 |
| RE DISCCART | 150.0 | 70.0 | 1.2 |
| RE DISCCART | 150.0 | 60.0 | 1.2 |
| RE DISCCART | 150.0 | 50.0 | 1.2 |
| RE DISCCART | 150.0 | 40.0 | 1.2 |
| RE DISCCART | 150.0 | 30.0 | 1.2 |
| RE DISCCART | 150.0 | 25.0 | 1.2 |
| RE DISCCART | 150.0 | 20.0 | 1.2 |
| RE DISCCART | 150.0 | 17.0 | 1.2 |
| RE DISCCART | 150.0 | 15.0 | 1.2 |
| RE DISCCART | 150.0 | 13.0 | 1.2 |
| RE DISCCART | 150.0 | 11.0 | 1.2 |
| RE DISCCART | 150.0 | 9.0 | 1.2 |
| RE DISCCART | 150.0 | -9.0 | 1.2 |
| RE DISCCART | 150.0 | -11.0 | 1.2 |
| RE DISCCART | 150.0 | -13.0 | 1.2 |
| RE DISCCART | 150.0 | -15.0 | 1.2 |
| RE DISCCART | 150.0 | -17.0 | 1.2 |
| RE DISCCART | 150.0 | -20.0 | 1.2 |
| RE DISCCART | 150.0 | -25.0 | 1.2 |
| RE DISCCART | 150.0 | -30.0 | 1.2 |
| RE DISCCART | 150.0 | -40.0 | 1.2 |
| RE DISCCART | 150.0 | -50.0 | 1.2 |
| RE DISCCART | 150.0 | -60.0 | 1.2 |
| RE DISCCART | 150.0 | -70.0 | 1.2 |
| RE DISCCART | 150.0 | -80.0 | 1.2 |
| RE DISCCART | 150.0 | -90.0 | 1.2 |
| RE DISCCART | 150.0 | -100.0 | 1.2 |
| RE DISCCART | 160.0 | 100.0 | 1.2 |

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|-------------|-------|--------|-----|
| RE DISCCART | 160.0 | 90.0 | 1.2 |
| RE DISCCART | 160.0 | 80.0 | 1.2 |
| RE DISCCART | 160.0 | 70.0 | 1.2 |
| RE DISCCART | 160.0 | 60.0 | 1.2 |
| RE DISCCART | 160.0 | 50.0 | 1.2 |
| RE DISCCART | 160.0 | 40.0 | 1.2 |
| RE DISCCART | 160.0 | 30.0 | 1.2 |
| RE DISCCART | 160.0 | 25.0 | 1.2 |
| RE DISCCART | 160.0 | 20.0 | 1.2 |
| RE DISCCART | 160.0 | 17.0 | 1.2 |
| RE DISCCART | 160.0 | 15.0 | 1.2 |
| RE DISCCART | 160.0 | 13.0 | 1.2 |
| RE DISCCART | 160.0 | 11.0 | 1.2 |
| RE DISCCART | 160.0 | 9.0 | 1.2 |
| RE DISCCART | 160.0 | -9.0 | 1.2 |
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| RE DISCCART | 160.0 | -13.0 | 1.2 |
| RE DISCCART | 160.0 | -15.0 | 1.2 |
| RE DISCCART | 160.0 | -17.0 | 1.2 |
| RE DISCCART | 160.0 | -20.0 | 1.2 |
| RE DISCCART | 160.0 | -25.0 | 1.2 |
| RE DISCCART | 160.0 | -30.0 | 1.2 |
| RE DISCCART | 160.0 | -40.0 | 1.2 |
| RE DISCCART | 160.0 | -50.0 | 1.2 |
| RE DISCCART | 160.0 | -60.0 | 1.2 |
| RE DISCCART | 160.0 | -70.0 | 1.2 |
| RE DISCCART | 160.0 | -80.0 | 1.2 |
| RE DISCCART | 160.0 | -90.0 | 1.2 |
| RE DISCCART | 160.0 | -100.0 | 1.2 |
| RE DISCCART | 170.0 | 100.0 | 1.2 |
| RE DISCCART | 170.0 | 90.0 | 1.2 |
| RE DISCCART | 170.0 | 80.0 | 1.2 |
| RE DISCCART | 170.0 | 70.0 | 1.2 |
| RE DISCCART | 170.0 | 60.0 | 1.2 |
| RE DISCCART | 170.0 | 50.0 | 1.2 |
| RE DISCCART | 170.0 | 40.0 | 1.2 |
| RE DISCCART | 170.0 | 30.0 | 1.2 |
| RE DISCCART | 170.0 | 25.0 | 1.2 |
| RE DISCCART | 170.0 | 20.0 | 1.2 |
| RE DISCCART | 170.0 | 17.0 | 1.2 |
| RE DISCCART | 170.0 | 15.0 | 1.2 |
| RE DISCCART | 170.0 | 13.0 | 1.2 |
| RE DISCCART | 170.0 | 11.0 | 1.2 |
| RE DISCCART | 170.0 | 9.0 | 1.2 |

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|-------------|-------|--------|-----|
| RE DISCCART | 170.0 | -9.0 | 1.2 |
| RE DISCCART | 170.0 | -11.0 | 1.2 |
| RE DISCCART | 170.0 | -13.0 | 1.2 |
| RE DISCCART | 170.0 | -15.0 | 1.2 |
| RE DISCCART | 170.0 | -17.0 | 1.2 |
| RE DISCCART | 170.0 | -20.0 | 1.2 |
| RE DISCCART | 170.0 | -25.0 | 1.2 |
| RE DISCCART | 170.0 | -30.0 | 1.2 |
| RE DISCCART | 170.0 | -40.0 | 1.2 |
| RE DISCCART | 170.0 | -50.0 | 1.2 |
| RE DISCCART | 170.0 | -60.0 | 1.2 |
| RE DISCCART | 170.0 | -70.0 | 1.2 |
| RE DISCCART | 170.0 | -80.0 | 1.2 |
| RE DISCCART | 170.0 | -90.0 | 1.2 |
| RE DISCCART | 170.0 | -100.0 | 1.2 |
| RE DISCCART | 180.0 | 100.0 | 1.2 |
| RE DISCCART | 180.0 | 90.0 | 1.2 |
| RE DISCCART | 180.0 | 80.0 | 1.2 |
| RE DISCCART | 180.0 | 70.0 | 1.2 |
| RE DISCCART | 180.0 | 60.0 | 1.2 |
| RE DISCCART | 180.0 | 50.0 | 1.2 |
| RE DISCCART | 180.0 | 40.0 | 1.2 |
| RE DISCCART | 180.0 | 30.0 | 1.2 |
| RE DISCCART | 180.0 | 25.0 | 1.2 |
| RE DISCCART | 180.0 | 20.0 | 1.2 |
| RE DISCCART | 180.0 | 17.0 | 1.2 |
| RE DISCCART | 180.0 | 15.0 | 1.2 |
| RE DISCCART | 180.0 | 13.0 | 1.2 |
| RE DISCCART | 180.0 | 11.0 | 1.2 |
| RE DISCCART | 180.0 | 9.0 | 1.2 |
| RE DISCCART | 180.0 | -9.0 | 1.2 |
| RE DISCCART | 180.0 | -11.0 | 1.2 |
| RE DISCCART | 180.0 | -13.0 | 1.2 |
| RE DISCCART | 180.0 | -15.0 | 1.2 |
| RE DISCCART | 180.0 | -17.0 | 1.2 |
| RE DISCCART | 180.0 | -20.0 | 1.2 |
| RE DISCCART | 180.0 | -25.0 | 1.2 |
| RE DISCCART | 180.0 | -30.0 | 1.2 |
| RE DISCCART | 180.0 | -40.0 | 1.2 |
| RE DISCCART | 180.0 | -50.0 | 1.2 |
| RE DISCCART | 180.0 | -60.0 | 1.2 |
| RE DISCCART | 180.0 | -70.0 | 1.2 |
| RE DISCCART | 180.0 | -80.0 | 1.2 |
| RE DISCCART | 180.0 | -90.0 | 1.2 |

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|-------------|-------|--------|-----|
| RE DISCCART | 180.0 | -100.0 | 1.2 |
| RE DISCCART | 190.0 | 100.0 | 1.2 |
| RE DISCCART | 190.0 | 90.0 | 1.2 |
| RE DISCCART | 190.0 | 80.0 | 1.2 |
| RE DISCCART | 190.0 | 70.0 | 1.2 |
| RE DISCCART | 190.0 | 60.0 | 1.2 |
| RE DISCCART | 190.0 | 50.0 | 1.2 |
| RE DISCCART | 190.0 | 40.0 | 1.2 |
| RE DISCCART | 190.0 | 30.0 | 1.2 |
| RE DISCCART | 190.0 | 25.0 | 1.2 |
| RE DISCCART | 190.0 | 20.0 | 1.2 |
| RE DISCCART | 190.0 | 17.0 | 1.2 |
| RE DISCCART | 190.0 | 15.0 | 1.2 |
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| RE DISCCART | 190.0 | 9.0 | 1.2 |
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| RE DISCCART | 190.0 | -11.0 | 1.2 |
| RE DISCCART | 190.0 | -13.0 | 1.2 |
| RE DISCCART | 190.0 | -15.0 | 1.2 |
| RE DISCCART | 190.0 | -17.0 | 1.2 |
| RE DISCCART | 190.0 | -20.0 | 1.2 |
| RE DISCCART | 190.0 | -25.0 | 1.2 |
| RE DISCCART | 190.0 | -30.0 | 1.2 |
| RE DISCCART | 190.0 | -40.0 | 1.2 |
| RE DISCCART | 190.0 | -50.0 | 1.2 |
| RE DISCCART | 190.0 | -60.0 | 1.2 |
| RE DISCCART | 190.0 | -70.0 | 1.2 |
| RE DISCCART | 190.0 | -80.0 | 1.2 |
| RE DISCCART | 190.0 | -90.0 | 1.2 |
| RE DISCCART | 190.0 | -100.0 | 1.2 |
| RE DISCCART | 200.0 | 100.0 | 1.2 |
| RE DISCCART | 200.0 | 90.0 | 1.2 |
| RE DISCCART | 200.0 | 80.0 | 1.2 |
| RE DISCCART | 200.0 | 70.0 | 1.2 |
| RE DISCCART | 200.0 | 60.0 | 1.2 |
| RE DISCCART | 200.0 | 50.0 | 1.2 |
| RE DISCCART | 200.0 | 40.0 | 1.2 |
| RE DISCCART | 200.0 | 30.0 | 1.2 |
| RE DISCCART | 200.0 | 25.0 | 1.2 |
| RE DISCCART | 200.0 | 20.0 | 1.2 |
| RE DISCCART | 200.0 | 17.0 | 1.2 |
| RE DISCCART | 200.0 | 15.0 | 1.2 |
| RE DISCCART | 200.0 | 13.0 | 1.2 |

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|-------------|-------|--------|-----|
| RE DISCCART | 200.0 | 11.0 | 1.2 |
| RE DISCCART | 200.0 | 9.0 | 1.2 |
| RE DISCCART | 200.0 | -9.0 | 1.2 |
| RE DISCCART | 200.0 | -11.0 | 1.2 |
| RE DISCCART | 200.0 | -13.0 | 1.2 |
| RE DISCCART | 200.0 | -15.0 | 1.2 |
| RE DISCCART | 200.0 | -17.0 | 1.2 |
| RE DISCCART | 200.0 | -20.0 | 1.2 |
| RE DISCCART | 200.0 | -25.0 | 1.2 |
| RE DISCCART | 200.0 | -30.0 | 1.2 |
| RE DISCCART | 200.0 | -40.0 | 1.2 |
| RE DISCCART | 200.0 | -50.0 | 1.2 |
| RE DISCCART | 200.0 | -60.0 | 1.2 |
| RE DISCCART | 200.0 | -70.0 | 1.2 |
| RE DISCCART | 200.0 | -80.0 | 1.2 |
| RE DISCCART | 200.0 | -90.0 | 1.2 |
| RE DISCCART | 200.0 | -100.0 | 1.2 |
| RE DISCCART | 210.0 | 100.0 | 1.2 |
| RE DISCCART | 210.0 | 90.0 | 1.2 |
| RE DISCCART | 210.0 | 80.0 | 1.2 |
| RE DISCCART | 210.0 | 70.0 | 1.2 |
| RE DISCCART | 210.0 | 60.0 | 1.2 |
| RE DISCCART | 210.0 | 50.0 | 1.2 |
| RE DISCCART | 210.0 | 40.0 | 1.2 |
| RE DISCCART | 210.0 | 30.0 | 1.2 |
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| RE DISCCART | 210.0 | 17.0 | 1.2 |
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| RE DISCCART | 210.0 | -20.0 | 1.2 |
| RE DISCCART | 210.0 | -25.0 | 1.2 |
| RE DISCCART | 210.0 | -30.0 | 1.2 |
| RE DISCCART | 210.0 | -40.0 | 1.2 |
| RE DISCCART | 210.0 | -50.0 | 1.2 |
| RE DISCCART | 210.0 | -60.0 | 1.2 |
| RE DISCCART | 210.0 | -70.0 | 1.2 |

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|-------------|-------|--------|-----|
| RE DISCCART | 210.0 | -80.0 | 1.2 |
| RE DISCCART | 210.0 | -90.0 | 1.2 |
| RE DISCCART | 210.0 | -100.0 | 1.2 |
| RE DISCCART | 220.0 | 100.0 | 1.2 |
| RE DISCCART | 220.0 | 90.0 | 1.2 |
| RE DISCCART | 220.0 | 80.0 | 1.2 |
| RE DISCCART | 220.0 | 70.0 | 1.2 |
| RE DISCCART | 220.0 | 60.0 | 1.2 |
| RE DISCCART | 220.0 | 50.0 | 1.2 |
| RE DISCCART | 220.0 | 40.0 | 1.2 |
| RE DISCCART | 220.0 | 30.0 | 1.2 |
| RE DISCCART | 220.0 | 25.0 | 1.2 |
| RE DISCCART | 220.0 | 20.0 | 1.2 |
| RE DISCCART | 220.0 | 17.0 | 1.2 |
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| RE DISCCART | 220.0 | 9.0 | 1.2 |
| RE DISCCART | 220.0 | -9.0 | 1.2 |
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| RE DISCCART | 220.0 | -13.0 | 1.2 |
| RE DISCCART | 220.0 | -15.0 | 1.2 |
| RE DISCCART | 220.0 | -17.0 | 1.2 |
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| RE DISCCART | 220.0 | -50.0 | 1.2 |
| RE DISCCART | 220.0 | -60.0 | 1.2 |
| RE DISCCART | 220.0 | -70.0 | 1.2 |
| RE DISCCART | 220.0 | -80.0 | 1.2 |
| RE DISCCART | 220.0 | -90.0 | 1.2 |
| RE DISCCART | 220.0 | -100.0 | 1.2 |
| RE DISCCART | 230.0 | 100.0 | 1.2 |
| RE DISCCART | 230.0 | 90.0 | 1.2 |
| RE DISCCART | 230.0 | 80.0 | 1.2 |
| RE DISCCART | 230.0 | 70.0 | 1.2 |
| RE DISCCART | 230.0 | 60.0 | 1.2 |
| RE DISCCART | 230.0 | 50.0 | 1.2 |
| RE DISCCART | 230.0 | 40.0 | 1.2 |
| RE DISCCART | 230.0 | 30.0 | 1.2 |
| RE DISCCART | 230.0 | 25.0 | 1.2 |
| RE DISCCART | 230.0 | 20.0 | 1.2 |
| RE DISCCART | 230.0 | 17.0 | 1.2 |

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|-------------|-------|--------|-----|
| RE DISCCART | 230.0 | 15.0 | 1.2 |
| RE DISCCART | 230.0 | 13.0 | 1.2 |
| RE DISCCART | 230.0 | 11.0 | 1.2 |
| RE DISCCART | 230.0 | 9.0 | 1.2 |
| RE DISCCART | 230.0 | -9.0 | 1.2 |
| RE DISCCART | 230.0 | -11.0 | 1.2 |
| RE DISCCART | 230.0 | -13.0 | 1.2 |
| RE DISCCART | 230.0 | -15.0 | 1.2 |
| RE DISCCART | 230.0 | -17.0 | 1.2 |
| RE DISCCART | 230.0 | -20.0 | 1.2 |
| RE DISCCART | 230.0 | -25.0 | 1.2 |
| RE DISCCART | 230.0 | -30.0 | 1.2 |
| RE DISCCART | 230.0 | -40.0 | 1.2 |
| RE DISCCART | 230.0 | -50.0 | 1.2 |
| RE DISCCART | 230.0 | -60.0 | 1.2 |
| RE DISCCART | 230.0 | -70.0 | 1.2 |
| RE DISCCART | 230.0 | -80.0 | 1.2 |
| RE DISCCART | 230.0 | -90.0 | 1.2 |
| RE DISCCART | 230.0 | -100.0 | 1.2 |
| RE DISCCART | 240.0 | 100.0 | 1.2 |
| RE DISCCART | 240.0 | 90.0 | 1.2 |
| RE DISCCART | 240.0 | 80.0 | 1.2 |
| RE DISCCART | 240.0 | 70.0 | 1.2 |
| RE DISCCART | 240.0 | 60.0 | 1.2 |
| RE DISCCART | 240.0 | 50.0 | 1.2 |
| RE DISCCART | 240.0 | 40.0 | 1.2 |
| RE DISCCART | 240.0 | 30.0 | 1.2 |
| RE DISCCART | 240.0 | 25.0 | 1.2 |
| RE DISCCART | 240.0 | 20.0 | 1.2 |
| RE DISCCART | 240.0 | 17.0 | 1.2 |
| RE DISCCART | 240.0 | 15.0 | 1.2 |
| RE DISCCART | 240.0 | 13.0 | 1.2 |
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| RE DISCCART | 240.0 | 9.0 | 1.2 |
| RE DISCCART | 240.0 | -9.0 | 1.2 |
| RE DISCCART | 240.0 | -11.0 | 1.2 |
| RE DISCCART | 240.0 | -13.0 | 1.2 |
| RE DISCCART | 240.0 | -15.0 | 1.2 |
| RE DISCCART | 240.0 | -17.0 | 1.2 |
| RE DISCCART | 240.0 | -20.0 | 1.2 |
| RE DISCCART | 240.0 | -25.0 | 1.2 |
| RE DISCCART | 240.0 | -30.0 | 1.2 |
| RE DISCCART | 240.0 | -40.0 | 1.2 |
| RE DISCCART | 240.0 | -50.0 | 1.2 |

RE DISCCART 240.0 -60.0 1.2
RE DISCCART 240.0 -70.0 1.2
RE DISCCART 240.0 -80.0 1.2
RE DISCCART 240.0 -90.0 1.2
RE DISCCART 240.0 -100.0 1.2
RE DISCCART 250.0 100.0 1.2
RE DISCCART 250.0 90.0 1.2
RE DISCCART 250.0 80.0 1.2
RE DISCCART 250.0 70.0 1.2
RE DISCCART 250.0 60.0 1.2
RE DISCCART 250.0 50.0 1.2
RE DISCCART 250.0 40.0 1.2
RE DISCCART 250.0 30.0 1.2
RE DISCCART 250.0 25.0 1.2
RE DISCCART 250.0 20.0 1.2
RE DISCCART 250.0 17.0 1.2
RE DISCCART 250.0 15.0 1.2
RE DISCCART 250.0 13.0 1.2
RE DISCCART 250.0 11.0 1.2
RE DISCCART 250.0 9.0 1.2
RE DISCCART 250.0 -9.0 1.2
RE DISCCART 250.0 -11.0 1.2
RE DISCCART 250.0 -13.0 1.2
RE DISCCART 250.0 -15.0 1.2
RE DISCCART 250.0 -17.0 1.2
RE DISCCART 250.0 -20.0 1.2
RE DISCCART 250.0 -25.0 1.2
RE DISCCART 250.0 -30.0 1.2
RE DISCCART 250.0 -40.0 1.2
RE DISCCART 250.0 -50.0 1.2
RE DISCCART 250.0 -60.0 1.2
RE DISCCART 250.0 -70.0 1.2
RE DISCCART 250.0 -80.0 1.2
RE DISCCART 250.0 -90.0 1.2
RE DISCCART 250.0 -100.0 1.2
RE FINISHED

ME STARTING

ME INPUTFIL "C:\NCRA\Modeling\Met Data\Petaluma\PET94300.ASC"

ME ANEMHGHT 10 METERS

ME SURFDATA 9901 1994

ME UAIRDATA 9901 1994

ME STARTEND 1994 01 01 1 1994 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\09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound.lst"

** RAWFILE "C:\NCRA\Modeling\DPM Risk\Traveling Trains\Petaluma\09NCRA_PL94-300_DPM_TRAV_ANN_E-W 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 East/West Bound Direction ***

10:54:17

**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\09NCRA-1.DAT

**Output Print File:

C:\NCRA\MODELING\DPMRIS-1\TRAVEL-1\PETALUMA\09NCRA-1.LST

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

10:54:17

**MODELOPTs:

PAGE 2

CONC URBAN FLAT FLGPOL DFAULT

*** AREA SOURCE DATA ***

Table with 11 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 *** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 *** Maximum train overlap at East/West Bound Direction ***

10:54:17

**MODELOPTs:

PAGE 4

CONC URBAN FLAT FLGPOL DFAULT

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

- (-250.0, 100.0, 0.0, 1.2); (-250.0, 90.0, 0.0, 1.2);
(-250.0, 80.0, 0.0, 1.2); (-250.0, 70.0, 0.0, 1.2);
(-250.0, 60.0, 0.0, 1.2); (-250.0, 50.0, 0.0, 1.2);

09NCRA_PL94-300_DPM_TRAV_ANN E-W Bound

| | | | | | | | |
|-----------|--------|------|-------|-----------|---------|------|-------|
| (-250.0, | 40.0, | 0.0, | 1.2); | (-250.0, | 30.0, | 0.0, | 1.2); |
| (-250.0, | 25.0, | 0.0, | 1.2); | (-250.0, | 20.0, | 0.0, | 1.2); |
| (-250.0, | 17.0, | 0.0, | 1.2); | (-250.0, | 15.0, | 0.0, | 1.2); |
| (-250.0, | 13.0, | 0.0, | 1.2); | (-250.0, | 11.0, | 0.0, | 1.2); |
| (-250.0, | 9.0, | 0.0, | 1.2); | (-250.0, | -9.0, | 0.0, | 1.2); |
| (-250.0, | -11.0, | 0.0, | 1.2); | (-250.0, | -13.0, | 0.0, | 1.2); |
| (-250.0, | -15.0, | 0.0, | 1.2); | (-250.0, | -17.0, | 0.0, | 1.2); |
| (-250.0, | -20.0, | 0.0, | 1.2); | (-250.0, | -25.0, | 0.0, | 1.2); |
| (-250.0, | -30.0, | 0.0, | 1.2); | (-250.0, | -40.0, | 0.0, | 1.2); |
| (-250.0, | -50.0, | 0.0, | 1.2); | (-250.0, | -60.0, | 0.0, | 1.2); |
| (-250.0, | -70.0, | 0.0, | 1.2); | (-250.0, | -80.0, | 0.0, | 1.2); |
| (-250.0, | -90.0, | 0.0, | 1.2); | (-250.0, | -100.0, | 0.0, | 1.2); |
| (-240.0, | 100.0, | 0.0, | 1.2); | (-240.0, | 90.0, | 0.0, | 1.2); |
| (-240.0, | 80.0, | 0.0, | 1.2); | (-240.0, | 70.0, | 0.0, | 1.2); |
| (-240.0, | 60.0, | 0.0, | 1.2); | (-240.0, | 50.0, | 0.0, | 1.2); |
| (-240.0, | 40.0, | 0.0, | 1.2); | (-240.0, | 30.0, | 0.0, | 1.2); |
| (-240.0, | 25.0, | 0.0, | 1.2); | (-240.0, | 20.0, | 0.0, | 1.2); |
| (-240.0, | 17.0, | 0.0, | 1.2); | (-240.0, | 15.0, | 0.0, | 1.2); |
| (-240.0, | 13.0, | 0.0, | 1.2); | (-240.0, | 11.0, | 0.0, | 1.2); |
| (-240.0, | 9.0, | 0.0, | 1.2); | (-240.0, | -9.0, | 0.0, | 1.2); |
| (-240.0, | -11.0, | 0.0, | 1.2); | (-240.0, | -13.0, | 0.0, | 1.2); |
| (-240.0, | -15.0, | 0.0, | 1.2); | (-240.0, | -17.0, | 0.0, | 1.2); |
| (-240.0, | -20.0, | 0.0, | 1.2); | (-240.0, | -25.0, | 0.0, | 1.2); |
| (-240.0, | -30.0, | 0.0, | 1.2); | (-240.0, | -40.0, | 0.0, | 1.2); |
| (-240.0, | -50.0, | 0.0, | 1.2); | (-240.0, | -60.0, | 0.0, | 1.2); |
| (-240.0, | -70.0, | 0.0, | 1.2); | (-240.0, | -80.0, | 0.0, | 1.2); |
| (-240.0, | -90.0, | 0.0, | 1.2); | (-240.0, | -100.0, | 0.0, | 1.2); |
| (-230.0, | 100.0, | 0.0, | 1.2); | (-230.0, | 90.0, | 0.0, | 1.2); |
| (-230.0, | 80.0, | 0.0, | 1.2); | (-230.0, | 70.0, | 0.0, | 1.2); |
| (-230.0, | 60.0, | 0.0, | 1.2); | (-230.0, | 50.0, | 0.0, | 1.2); |
| (-230.0, | 40.0, | 0.0, | 1.2); | (-230.0, | 30.0, | 0.0, | 1.2); |
| (-230.0, | 25.0, | 0.0, | 1.2); | (-230.0, | 20.0, | 0.0, | 1.2); |
| (-230.0, | 17.0, | 0.0, | 1.2); | (-230.0, | 15.0, | 0.0, | 1.2); |
| (-230.0, | 13.0, | 0.0, | 1.2); | (-230.0, | 11.0, | 0.0, | 1.2); |
| (-230.0, | 9.0, | 0.0, | 1.2); | (-230.0, | -9.0, | 0.0, | 1.2); |
| (-230.0, | -11.0, | 0.0, | 1.2); | (-230.0, | -13.0, | 0.0, | 1.2); |
| (-230.0, | -15.0, | 0.0, | 1.2); | (-230.0, | -17.0, | 0.0, | 1.2); |
| (-230.0, | -20.0, | 0.0, | 1.2); | (-230.0, | -25.0, | 0.0, | 1.2); |
| (-230.0, | -30.0, | 0.0, | 1.2); | (-230.0, | -40.0, | 0.0, | 1.2); |
| (-230.0, | -50.0, | 0.0, | 1.2); | (-230.0, | -60.0, | 0.0, | 1.2); |
| (-230.0, | -70.0, | 0.0, | 1.2); | (-230.0, | -80.0, | 0.0, | 1.2); |
| (-230.0, | -90.0, | 0.0, | 1.2); | (-230.0, | -100.0, | 0.0, | 1.2); |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**MODELOPTs:
PAGE 5
CONC

URBAN FLAT FLGPOL DFAULT

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

| | |
|-----------------------------|------------------------------|
| (-220.0, 100.0, 0.0, 1.2); | (-220.0, 90.0, 0.0, 1.2); |
| (-220.0, 80.0, 0.0, 1.2); | (-220.0, 70.0, 0.0, 1.2); |
| (-220.0, 60.0, 0.0, 1.2); | (-220.0, 50.0, 0.0, 1.2); |
| (-220.0, 40.0, 0.0, 1.2); | (-220.0, 30.0, 0.0, 1.2); |
| (-220.0, 25.0, 0.0, 1.2); | (-220.0, 20.0, 0.0, 1.2); |
| (-220.0, 17.0, 0.0, 1.2); | (-220.0, 15.0, 0.0, 1.2); |
| (-220.0, 13.0, 0.0, 1.2); | (-220.0, 11.0, 0.0, 1.2); |
| (-220.0, 9.0, 0.0, 1.2); | (-220.0, -9.0, 0.0, 1.2); |
| (-220.0, -11.0, 0.0, 1.2); | (-220.0, -13.0, 0.0, 1.2); |
| (-220.0, -15.0, 0.0, 1.2); | (-220.0, -17.0, 0.0, 1.2); |
| (-220.0, -20.0, 0.0, 1.2); | (-220.0, -25.0, 0.0, 1.2); |
| (-220.0, -30.0, 0.0, 1.2); | (-220.0, -40.0, 0.0, 1.2); |
| (-220.0, -50.0, 0.0, 1.2); | (-220.0, -60.0, 0.0, 1.2); |
| (-220.0, -70.0, 0.0, 1.2); | (-220.0, -80.0, 0.0, 1.2); |
| (-220.0, -90.0, 0.0, 1.2); | (-220.0, -100.0, 0.0, 1.2); |
| (-210.0, 100.0, 0.0, 1.2); | (-210.0, 90.0, 0.0, 1.2); |
| (-210.0, 80.0, 0.0, 1.2); | (-210.0, 70.0, 0.0, 1.2); |
| (-210.0, 60.0, 0.0, 1.2); | (-210.0, 50.0, 0.0, 1.2); |
| (-210.0, 40.0, 0.0, 1.2); | (-210.0, 30.0, 0.0, 1.2); |
| (-210.0, 25.0, 0.0, 1.2); | (-210.0, 20.0, 0.0, 1.2); |
| (-210.0, 17.0, 0.0, 1.2); | (-210.0, 15.0, 0.0, 1.2); |
| (-210.0, 13.0, 0.0, 1.2); | (-210.0, 11.0, 0.0, 1.2); |
| (-210.0, 9.0, 0.0, 1.2); | (-210.0, -9.0, 0.0, 1.2); |
| (-210.0, -11.0, 0.0, 1.2); | (-210.0, -13.0, 0.0, 1.2); |
| (-210.0, -15.0, 0.0, 1.2); | (-210.0, -17.0, 0.0, 1.2); |
| (-210.0, -20.0, 0.0, 1.2); | (-210.0, -25.0, 0.0, 1.2); |
| (-210.0, -30.0, 0.0, 1.2); | (-210.0, -40.0, 0.0, 1.2); |
| (-210.0, -50.0, 0.0, 1.2); | (-210.0, -60.0, 0.0, 1.2); |
| (-210.0, -70.0, 0.0, 1.2); | (-210.0, -80.0, 0.0, 1.2); |
| (-210.0, -90.0, 0.0, 1.2); | (-210.0, -100.0, 0.0, 1.2); |
| (-200.0, 100.0, 0.0, 1.2); | (-200.0, 90.0, 0.0, 1.2); |
| (-200.0, 80.0, 0.0, 1.2); | (-200.0, 70.0, 0.0, 1.2); |
| (-200.0, 60.0, 0.0, 1.2); | (-200.0, 50.0, 0.0, 1.2); |
| (-200.0, 40.0, 0.0, 1.2); | (-200.0, 30.0, 0.0, 1.2); |
| (-200.0, 25.0, 0.0, 1.2); | (-200.0, 20.0, 0.0, 1.2); |
| (-200.0, 17.0, 0.0, 1.2); | (-200.0, 15.0, 0.0, 1.2); |
| (-200.0, 13.0, 0.0, 1.2); | (-200.0, 11.0, 0.0, 1.2); |
| (-200.0, 9.0, 0.0, 1.2); | (-200.0, -9.0, 0.0, 1.2); |
| (-200.0, -11.0, 0.0, 1.2); | (-200.0, -13.0, 0.0, 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | | | |
|-----------|--------|------|-------|-----------|---------|------|-------|
| (-200.0, | -15.0, | 0.0, | 1.2); | (-200.0, | -17.0, | 0.0, | 1.2); |
| (-200.0, | -20.0, | 0.0, | 1.2); | (-200.0, | -25.0, | 0.0, | 1.2); |
| (-200.0, | -30.0, | 0.0, | 1.2); | (-200.0, | -40.0, | 0.0, | 1.2); |
| (-200.0, | -50.0, | 0.0, | 1.2); | (-200.0, | -60.0, | 0.0, | 1.2); |
| (-200.0, | -70.0, | 0.0, | 1.2); | (-200.0, | -80.0, | 0.0, | 1.2); |
| (-200.0, | -90.0, | 0.0, | 1.2); | (-200.0, | -100.0, | 0.0, | 1.2); |

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

10:54:17
 **MODELOPTs:
 PAGE 6

CONC URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|-----------|--------|------|-------|-----------|---------|------|-------|
| (-190.0, | 100.0, | 0.0, | 1.2); | (-190.0, | 90.0, | 0.0, | 1.2); |
| (-190.0, | 80.0, | 0.0, | 1.2); | (-190.0, | 70.0, | 0.0, | 1.2); |
| (-190.0, | 60.0, | 0.0, | 1.2); | (-190.0, | 50.0, | 0.0, | 1.2); |
| (-190.0, | 40.0, | 0.0, | 1.2); | (-190.0, | 30.0, | 0.0, | 1.2); |
| (-190.0, | 25.0, | 0.0, | 1.2); | (-190.0, | 20.0, | 0.0, | 1.2); |
| (-190.0, | 17.0, | 0.0, | 1.2); | (-190.0, | 15.0, | 0.0, | 1.2); |
| (-190.0, | 13.0, | 0.0, | 1.2); | (-190.0, | 11.0, | 0.0, | 1.2); |
| (-190.0, | 9.0, | 0.0, | 1.2); | (-190.0, | -9.0, | 0.0, | 1.2); |
| (-190.0, | -11.0, | 0.0, | 1.2); | (-190.0, | -13.0, | 0.0, | 1.2); |
| (-190.0, | -15.0, | 0.0, | 1.2); | (-190.0, | -17.0, | 0.0, | 1.2); |
| (-190.0, | -20.0, | 0.0, | 1.2); | (-190.0, | -25.0, | 0.0, | 1.2); |
| (-190.0, | -30.0, | 0.0, | 1.2); | (-190.0, | -40.0, | 0.0, | 1.2); |
| (-190.0, | -50.0, | 0.0, | 1.2); | (-190.0, | -60.0, | 0.0, | 1.2); |
| (-190.0, | -70.0, | 0.0, | 1.2); | (-190.0, | -80.0, | 0.0, | 1.2); |
| (-190.0, | -90.0, | 0.0, | 1.2); | (-190.0, | -100.0, | 0.0, | 1.2); |
| (-180.0, | 100.0, | 0.0, | 1.2); | (-180.0, | 90.0, | 0.0, | 1.2); |
| (-180.0, | 80.0, | 0.0, | 1.2); | (-180.0, | 70.0, | 0.0, | 1.2); |
| (-180.0, | 60.0, | 0.0, | 1.2); | (-180.0, | 50.0, | 0.0, | 1.2); |
| (-180.0, | 40.0, | 0.0, | 1.2); | (-180.0, | 30.0, | 0.0, | 1.2); |
| (-180.0, | 25.0, | 0.0, | 1.2); | (-180.0, | 20.0, | 0.0, | 1.2); |
| (-180.0, | 17.0, | 0.0, | 1.2); | (-180.0, | 15.0, | 0.0, | 1.2); |
| (-180.0, | 13.0, | 0.0, | 1.2); | (-180.0, | 11.0, | 0.0, | 1.2); |
| (-180.0, | 9.0, | 0.0, | 1.2); | (-180.0, | -9.0, | 0.0, | 1.2); |
| (-180.0, | -11.0, | 0.0, | 1.2); | (-180.0, | -13.0, | 0.0, | 1.2); |
| (-180.0, | -15.0, | 0.0, | 1.2); | (-180.0, | -17.0, | 0.0, | 1.2); |
| (-180.0, | -20.0, | 0.0, | 1.2); | (-180.0, | -25.0, | 0.0, | 1.2); |
| (-180.0, | -30.0, | 0.0, | 1.2); | (-180.0, | -40.0, | 0.0, | 1.2); |
| (-180.0, | -50.0, | 0.0, | 1.2); | (-180.0, | -60.0, | 0.0, | 1.2); |
| (-180.0, | -70.0, | 0.0, | 1.2); | (-180.0, | -80.0, | 0.0, | 1.2); |
| (-180.0, | -90.0, | 0.0, | 1.2); | (-180.0, | -100.0, | 0.0, | 1.2); |
| (-170.0, | 100.0, | 0.0, | 1.2); | (-170.0, | 90.0, | 0.0, | 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN E-W Bound

| | | | | | | | |
|-----------|--------|------|-------|-----------|---------|------|-------|
| (-170.0, | 80.0, | 0.0, | 1.2); | (-170.0, | 70.0, | 0.0, | 1.2); |
| (-170.0, | 60.0, | 0.0, | 1.2); | (-170.0, | 50.0, | 0.0, | 1.2); |
| (-170.0, | 40.0, | 0.0, | 1.2); | (-170.0, | 30.0, | 0.0, | 1.2); |
| (-170.0, | 25.0, | 0.0, | 1.2); | (-170.0, | 20.0, | 0.0, | 1.2); |
| (-170.0, | 17.0, | 0.0, | 1.2); | (-170.0, | 15.0, | 0.0, | 1.2); |
| (-170.0, | 13.0, | 0.0, | 1.2); | (-170.0, | 11.0, | 0.0, | 1.2); |
| (-170.0, | 9.0, | 0.0, | 1.2); | (-170.0, | -9.0, | 0.0, | 1.2); |
| (-170.0, | -11.0, | 0.0, | 1.2); | (-170.0, | -13.0, | 0.0, | 1.2); |
| (-170.0, | -15.0, | 0.0, | 1.2); | (-170.0, | -17.0, | 0.0, | 1.2); |
| (-170.0, | -20.0, | 0.0, | 1.2); | (-170.0, | -25.0, | 0.0, | 1.2); |
| (-170.0, | -30.0, | 0.0, | 1.2); | (-170.0, | -40.0, | 0.0, | 1.2); |
| (-170.0, | -50.0, | 0.0, | 1.2); | (-170.0, | -60.0, | 0.0, | 1.2); |
| (-170.0, | -70.0, | 0.0, | 1.2); | (-170.0, | -80.0, | 0.0, | 1.2); |
| (-170.0, | -90.0, | 0.0, | 1.2); | (-170.0, | -100.0, | 0.0, | 1.2); |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **MODELOPTs:
 PAGE 7
 CONC

URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|-----------|--------|------|-------|-----------|---------|------|-------|
| (-160.0, | 100.0, | 0.0, | 1.2); | (-160.0, | 90.0, | 0.0, | 1.2); |
| (-160.0, | 80.0, | 0.0, | 1.2); | (-160.0, | 70.0, | 0.0, | 1.2); |
| (-160.0, | 60.0, | 0.0, | 1.2); | (-160.0, | 50.0, | 0.0, | 1.2); |
| (-160.0, | 40.0, | 0.0, | 1.2); | (-160.0, | 30.0, | 0.0, | 1.2); |
| (-160.0, | 25.0, | 0.0, | 1.2); | (-160.0, | 20.0, | 0.0, | 1.2); |
| (-160.0, | 17.0, | 0.0, | 1.2); | (-160.0, | 15.0, | 0.0, | 1.2); |
| (-160.0, | 13.0, | 0.0, | 1.2); | (-160.0, | 11.0, | 0.0, | 1.2); |
| (-160.0, | 9.0, | 0.0, | 1.2); | (-160.0, | -9.0, | 0.0, | 1.2); |
| (-160.0, | -11.0, | 0.0, | 1.2); | (-160.0, | -13.0, | 0.0, | 1.2); |
| (-160.0, | -15.0, | 0.0, | 1.2); | (-160.0, | -17.0, | 0.0, | 1.2); |
| (-160.0, | -20.0, | 0.0, | 1.2); | (-160.0, | -25.0, | 0.0, | 1.2); |
| (-160.0, | -30.0, | 0.0, | 1.2); | (-160.0, | -40.0, | 0.0, | 1.2); |
| (-160.0, | -50.0, | 0.0, | 1.2); | (-160.0, | -60.0, | 0.0, | 1.2); |
| (-160.0, | -70.0, | 0.0, | 1.2); | (-160.0, | -80.0, | 0.0, | 1.2); |
| (-160.0, | -90.0, | 0.0, | 1.2); | (-160.0, | -100.0, | 0.0, | 1.2); |
| (-150.0, | 100.0, | 0.0, | 1.2); | (-150.0, | 90.0, | 0.0, | 1.2); |
| (-150.0, | 80.0, | 0.0, | 1.2); | (-150.0, | 70.0, | 0.0, | 1.2); |
| (-150.0, | 60.0, | 0.0, | 1.2); | (-150.0, | 50.0, | 0.0, | 1.2); |
| (-150.0, | 40.0, | 0.0, | 1.2); | (-150.0, | 30.0, | 0.0, | 1.2); |
| (-150.0, | 25.0, | 0.0, | 1.2); | (-150.0, | 20.0, | 0.0, | 1.2); |
| (-150.0, | 17.0, | 0.0, | 1.2); | (-150.0, | 15.0, | 0.0, | 1.2); |
| (-150.0, | 13.0, | 0.0, | 1.2); | (-150.0, | 11.0, | 0.0, | 1.2); |
| (-150.0, | 9.0, | 0.0, | 1.2); | (-150.0, | -9.0, | 0.0, | 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN E-W Bound

| | | | | | | | |
|-----------|--------|------|-------|-----------|---------|------|-------|
| (-150.0, | -11.0, | 0.0, | 1.2); | (-150.0, | -13.0, | 0.0, | 1.2); |
| (-150.0, | -15.0, | 0.0, | 1.2); | (-150.0, | -17.0, | 0.0, | 1.2); |
| (-150.0, | -20.0, | 0.0, | 1.2); | (-150.0, | -25.0, | 0.0, | 1.2); |
| (-150.0, | -30.0, | 0.0, | 1.2); | (-150.0, | -40.0, | 0.0, | 1.2); |
| (-150.0, | -50.0, | 0.0, | 1.2); | (-150.0, | -60.0, | 0.0, | 1.2); |
| (-150.0, | -70.0, | 0.0, | 1.2); | (-150.0, | -80.0, | 0.0, | 1.2); |
| (-150.0, | -90.0, | 0.0, | 1.2); | (-150.0, | -100.0, | 0.0, | 1.2); |
| (-140.0, | 100.0, | 0.0, | 1.2); | (-140.0, | 90.0, | 0.0, | 1.2); |
| (-140.0, | 80.0, | 0.0, | 1.2); | (-140.0, | 70.0, | 0.0, | 1.2); |
| (-140.0, | 60.0, | 0.0, | 1.2); | (-140.0, | 50.0, | 0.0, | 1.2); |
| (-140.0, | 40.0, | 0.0, | 1.2); | (-140.0, | 30.0, | 0.0, | 1.2); |
| (-140.0, | 25.0, | 0.0, | 1.2); | (-140.0, | 20.0, | 0.0, | 1.2); |
| (-140.0, | 17.0, | 0.0, | 1.2); | (-140.0, | 15.0, | 0.0, | 1.2); |
| (-140.0, | 13.0, | 0.0, | 1.2); | (-140.0, | 11.0, | 0.0, | 1.2); |
| (-140.0, | 9.0, | 0.0, | 1.2); | (-140.0, | -9.0, | 0.0, | 1.2); |
| (-140.0, | -11.0, | 0.0, | 1.2); | (-140.0, | -13.0, | 0.0, | 1.2); |
| (-140.0, | -15.0, | 0.0, | 1.2); | (-140.0, | -17.0, | 0.0, | 1.2); |
| (-140.0, | -20.0, | 0.0, | 1.2); | (-140.0, | -25.0, | 0.0, | 1.2); |
| (-140.0, | -30.0, | 0.0, | 1.2); | (-140.0, | -40.0, | 0.0, | 1.2); |
| (-140.0, | -50.0, | 0.0, | 1.2); | (-140.0, | -60.0, | 0.0, | 1.2); |
| (-140.0, | -70.0, | 0.0, | 1.2); | (-140.0, | -80.0, | 0.0, | 1.2); |
| (-140.0, | -90.0, | 0.0, | 1.2); | (-140.0, | -100.0, | 0.0, | 1.2); |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**MODELOPTs:
 PAGE 8

CONC URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|-----------|--------|------|-------|-----------|---------|------|-------|
| (-130.0, | 100.0, | 0.0, | 1.2); | (-130.0, | 90.0, | 0.0, | 1.2); |
| (-130.0, | 80.0, | 0.0, | 1.2); | (-130.0, | 70.0, | 0.0, | 1.2); |
| (-130.0, | 60.0, | 0.0, | 1.2); | (-130.0, | 50.0, | 0.0, | 1.2); |
| (-130.0, | 40.0, | 0.0, | 1.2); | (-130.0, | 30.0, | 0.0, | 1.2); |
| (-130.0, | 25.0, | 0.0, | 1.2); | (-130.0, | 20.0, | 0.0, | 1.2); |
| (-130.0, | 17.0, | 0.0, | 1.2); | (-130.0, | 15.0, | 0.0, | 1.2); |
| (-130.0, | 13.0, | 0.0, | 1.2); | (-130.0, | 11.0, | 0.0, | 1.2); |
| (-130.0, | 9.0, | 0.0, | 1.2); | (-130.0, | -9.0, | 0.0, | 1.2); |
| (-130.0, | -11.0, | 0.0, | 1.2); | (-130.0, | -13.0, | 0.0, | 1.2); |
| (-130.0, | -15.0, | 0.0, | 1.2); | (-130.0, | -17.0, | 0.0, | 1.2); |
| (-130.0, | -20.0, | 0.0, | 1.2); | (-130.0, | -25.0, | 0.0, | 1.2); |
| (-130.0, | -30.0, | 0.0, | 1.2); | (-130.0, | -40.0, | 0.0, | 1.2); |
| (-130.0, | -50.0, | 0.0, | 1.2); | (-130.0, | -60.0, | 0.0, | 1.2); |
| (-130.0, | -70.0, | 0.0, | 1.2); | (-130.0, | -80.0, | 0.0, | 1.2); |
| (-130.0, | -90.0, | 0.0, | 1.2); | (-130.0, | -100.0, | 0.0, | 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN E-W Bound

```
( -120.0, 100.0, 0.0, 1.2); ( -120.0, 90.0, 0.0, 1.2);
( -120.0, 80.0, 0.0, 1.2); ( -120.0, 70.0, 0.0, 1.2);
( -120.0, 60.0, 0.0, 1.2); ( -120.0, 50.0, 0.0, 1.2);
( -120.0, 40.0, 0.0, 1.2); ( -120.0, 30.0, 0.0, 1.2);
( -120.0, 25.0, 0.0, 1.2); ( -120.0, 20.0, 0.0, 1.2);
( -120.0, 17.0, 0.0, 1.2); ( -120.0, 15.0, 0.0, 1.2);
( -120.0, 13.0, 0.0, 1.2); ( -120.0, 11.0, 0.0, 1.2);
( -120.0, 9.0, 0.0, 1.2); ( -120.0, -9.0, 0.0, 1.2);
( -120.0, -11.0, 0.0, 1.2); ( -120.0, -13.0, 0.0, 1.2);
( -120.0, -15.0, 0.0, 1.2); ( -120.0, -17.0, 0.0, 1.2);
( -120.0, -20.0, 0.0, 1.2); ( -120.0, -25.0, 0.0, 1.2);
( -120.0, -30.0, 0.0, 1.2); ( -120.0, -40.0, 0.0, 1.2);
( -120.0, -50.0, 0.0, 1.2); ( -120.0, -60.0, 0.0, 1.2);
( -120.0, -70.0, 0.0, 1.2); ( -120.0, -80.0, 0.0, 1.2);
( -120.0, -90.0, 0.0, 1.2); ( -120.0, -100.0, 0.0, 1.2);
( -110.0, 100.0, 0.0, 1.2); ( -110.0, 90.0, 0.0, 1.2);
( -110.0, 80.0, 0.0, 1.2); ( -110.0, 70.0, 0.0, 1.2);
( -110.0, 60.0, 0.0, 1.2); ( -110.0, 50.0, 0.0, 1.2);
( -110.0, 40.0, 0.0, 1.2); ( -110.0, 30.0, 0.0, 1.2);
( -110.0, 25.0, 0.0, 1.2); ( -110.0, 20.0, 0.0, 1.2);
( -110.0, 17.0, 0.0, 1.2); ( -110.0, 15.0, 0.0, 1.2);
( -110.0, 13.0, 0.0, 1.2); ( -110.0, 11.0, 0.0, 1.2);
( -110.0, 9.0, 0.0, 1.2); ( -110.0, -9.0, 0.0, 1.2);
( -110.0, -11.0, 0.0, 1.2); ( -110.0, -13.0, 0.0, 1.2);
( -110.0, -15.0, 0.0, 1.2); ( -110.0, -17.0, 0.0, 1.2);
( -110.0, -20.0, 0.0, 1.2); ( -110.0, -25.0, 0.0, 1.2);
( -110.0, -30.0, 0.0, 1.2); ( -110.0, -40.0, 0.0, 1.2);
( -110.0, -50.0, 0.0, 1.2); ( -110.0, -60.0, 0.0, 1.2);
( -110.0, -70.0, 0.0, 1.2); ( -110.0, -80.0, 0.0, 1.2);
( -110.0, -90.0, 0.0, 1.2); ( -110.0, -100.0, 0.0, 1.2);
```

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
**MODELOPTs:
PAGE 9

CONC URBAN FLAT FLGPOL DFAULT

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

```
( -100.0, 100.0, 0.0, 1.2); ( -100.0, 90.0, 0.0, 1.2);
( -100.0, 80.0, 0.0, 1.2); ( -100.0, 70.0, 0.0, 1.2);
( -100.0, 60.0, 0.0, 1.2); ( -100.0, 50.0, 0.0, 1.2);
( -100.0, 40.0, 0.0, 1.2); ( -100.0, 30.0, 0.0, 1.2);
( -100.0, 25.0, 0.0, 1.2); ( -100.0, 20.0, 0.0, 1.2);
( -100.0, 17.0, 0.0, 1.2); ( -100.0, 15.0, 0.0, 1.2);
( -100.0, 13.0, 0.0, 1.2); ( -100.0, 11.0, 0.0, 1.2);
```

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | | | |
|-----------|--------|------|-------|-----------|---------|------|-------|
| (-100.0, | 9.0, | 0.0, | 1.2); | (-100.0, | -9.0, | 0.0, | 1.2); |
| (-100.0, | -11.0, | 0.0, | 1.2); | (-100.0, | -13.0, | 0.0, | 1.2); |
| (-100.0, | -15.0, | 0.0, | 1.2); | (-100.0, | -17.0, | 0.0, | 1.2); |
| (-100.0, | -20.0, | 0.0, | 1.2); | (-100.0, | -25.0, | 0.0, | 1.2); |
| (-100.0, | -30.0, | 0.0, | 1.2); | (-100.0, | -40.0, | 0.0, | 1.2); |
| (-100.0, | -50.0, | 0.0, | 1.2); | (-100.0, | -60.0, | 0.0, | 1.2); |
| (-100.0, | -70.0, | 0.0, | 1.2); | (-100.0, | -80.0, | 0.0, | 1.2); |
| (-100.0, | -90.0, | 0.0, | 1.2); | (-100.0, | -100.0, | 0.0, | 1.2); |
| (-90.0, | 100.0, | 0.0, | 1.2); | (-90.0, | 90.0, | 0.0, | 1.2); |
| (-90.0, | 80.0, | 0.0, | 1.2); | (-90.0, | 70.0, | 0.0, | 1.2); |
| (-90.0, | 60.0, | 0.0, | 1.2); | (-90.0, | 50.0, | 0.0, | 1.2); |
| (-90.0, | 40.0, | 0.0, | 1.2); | (-90.0, | 30.0, | 0.0, | 1.2); |
| (-90.0, | 25.0, | 0.0, | 1.2); | (-90.0, | 20.0, | 0.0, | 1.2); |
| (-90.0, | 17.0, | 0.0, | 1.2); | (-90.0, | 15.0, | 0.0, | 1.2); |
| (-90.0, | 13.0, | 0.0, | 1.2); | (-90.0, | 11.0, | 0.0, | 1.2); |
| (-90.0, | 9.0, | 0.0, | 1.2); | (-90.0, | -9.0, | 0.0, | 1.2); |
| (-90.0, | -11.0, | 0.0, | 1.2); | (-90.0, | -13.0, | 0.0, | 1.2); |
| (-90.0, | -15.0, | 0.0, | 1.2); | (-90.0, | -17.0, | 0.0, | 1.2); |
| (-90.0, | -20.0, | 0.0, | 1.2); | (-90.0, | -25.0, | 0.0, | 1.2); |
| (-90.0, | -30.0, | 0.0, | 1.2); | (-90.0, | -40.0, | 0.0, | 1.2); |
| (-90.0, | -50.0, | 0.0, | 1.2); | (-90.0, | -60.0, | 0.0, | 1.2); |
| (-90.0, | -70.0, | 0.0, | 1.2); | (-90.0, | -80.0, | 0.0, | 1.2); |
| (-90.0, | -90.0, | 0.0, | 1.2); | (-90.0, | -100.0, | 0.0, | 1.2); |
| (-80.0, | 100.0, | 0.0, | 1.2); | (-80.0, | 90.0, | 0.0, | 1.2); |
| (-80.0, | 80.0, | 0.0, | 1.2); | (-80.0, | 70.0, | 0.0, | 1.2); |
| (-80.0, | 60.0, | 0.0, | 1.2); | (-80.0, | 50.0, | 0.0, | 1.2); |
| (-80.0, | 40.0, | 0.0, | 1.2); | (-80.0, | 30.0, | 0.0, | 1.2); |
| (-80.0, | 25.0, | 0.0, | 1.2); | (-80.0, | 20.0, | 0.0, | 1.2); |
| (-80.0, | 17.0, | 0.0, | 1.2); | (-80.0, | 15.0, | 0.0, | 1.2); |
| (-80.0, | 13.0, | 0.0, | 1.2); | (-80.0, | 11.0, | 0.0, | 1.2); |
| (-80.0, | 9.0, | 0.0, | 1.2); | (-80.0, | -9.0, | 0.0, | 1.2); |
| (-80.0, | -11.0, | 0.0, | 1.2); | (-80.0, | -13.0, | 0.0, | 1.2); |
| (-80.0, | -15.0, | 0.0, | 1.2); | (-80.0, | -17.0, | 0.0, | 1.2); |
| (-80.0, | -20.0, | 0.0, | 1.2); | (-80.0, | -25.0, | 0.0, | 1.2); |
| (-80.0, | -30.0, | 0.0, | 1.2); | (-80.0, | -40.0, | 0.0, | 1.2); |
| (-80.0, | -50.0, | 0.0, | 1.2); | (-80.0, | -60.0, | 0.0, | 1.2); |
| (-80.0, | -70.0, | 0.0, | 1.2); | (-80.0, | -80.0, | 0.0, | 1.2); |
| (-80.0, | -90.0, | 0.0, | 1.2); | (-80.0, | -100.0, | 0.0, | 1.2); |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**MODELOPTs:

PAGE 10

CONC

URBAN FLAT FLGPOL DFAULT

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

09NCRA_PL94-300_DPM_TRAV_ANN E-W Bound
(METERS)

| | |
|----------------------------|-----------------------------|
| (-70.0, 100.0, 0.0, 1.2); | (-70.0, 90.0, 0.0, 1.2); |
| (-70.0, 80.0, 0.0, 1.2); | (-70.0, 70.0, 0.0, 1.2); |
| (-70.0, 60.0, 0.0, 1.2); | (-70.0, 50.0, 0.0, 1.2); |
| (-70.0, 40.0, 0.0, 1.2); | (-70.0, 30.0, 0.0, 1.2); |
| (-70.0, 25.0, 0.0, 1.2); | (-70.0, 20.0, 0.0, 1.2); |
| (-70.0, 17.0, 0.0, 1.2); | (-70.0, 15.0, 0.0, 1.2); |
| (-70.0, 13.0, 0.0, 1.2); | (-70.0, 11.0, 0.0, 1.2); |
| (-70.0, 9.0, 0.0, 1.2); | (-70.0, -9.0, 0.0, 1.2); |
| (-70.0, -11.0, 0.0, 1.2); | (-70.0, -13.0, 0.0, 1.2); |
| (-70.0, -15.0, 0.0, 1.2); | (-70.0, -17.0, 0.0, 1.2); |
| (-70.0, -20.0, 0.0, 1.2); | (-70.0, -25.0, 0.0, 1.2); |
| (-70.0, -30.0, 0.0, 1.2); | (-70.0, -40.0, 0.0, 1.2); |
| (-70.0, -50.0, 0.0, 1.2); | (-70.0, -60.0, 0.0, 1.2); |
| (-70.0, -70.0, 0.0, 1.2); | (-70.0, -80.0, 0.0, 1.2); |
| (-70.0, -90.0, 0.0, 1.2); | (-70.0, -100.0, 0.0, 1.2); |
| (-60.0, 100.0, 0.0, 1.2); | (-60.0, 90.0, 0.0, 1.2); |
| (-60.0, 80.0, 0.0, 1.2); | (-60.0, 70.0, 0.0, 1.2); |
| (-60.0, 60.0, 0.0, 1.2); | (-60.0, 50.0, 0.0, 1.2); |
| (-60.0, 40.0, 0.0, 1.2); | (-60.0, 30.0, 0.0, 1.2); |
| (-60.0, 25.0, 0.0, 1.2); | (-60.0, 20.0, 0.0, 1.2); |
| (-60.0, 17.0, 0.0, 1.2); | (-60.0, 15.0, 0.0, 1.2); |
| (-60.0, 13.0, 0.0, 1.2); | (-60.0, 11.0, 0.0, 1.2); |
| (-60.0, 9.0, 0.0, 1.2); | (-60.0, -9.0, 0.0, 1.2); |
| (-60.0, -11.0, 0.0, 1.2); | (-60.0, -13.0, 0.0, 1.2); |
| (-60.0, -15.0, 0.0, 1.2); | (-60.0, -17.0, 0.0, 1.2); |
| (-60.0, -20.0, 0.0, 1.2); | (-60.0, -25.0, 0.0, 1.2); |
| (-60.0, -30.0, 0.0, 1.2); | (-60.0, -40.0, 0.0, 1.2); |
| (-60.0, -50.0, 0.0, 1.2); | (-60.0, -60.0, 0.0, 1.2); |
| (-60.0, -70.0, 0.0, 1.2); | (-60.0, -80.0, 0.0, 1.2); |
| (-60.0, -90.0, 0.0, 1.2); | (-60.0, -100.0, 0.0, 1.2); |
| (-50.0, 100.0, 0.0, 1.2); | (-50.0, 90.0, 0.0, 1.2); |
| (-50.0, 80.0, 0.0, 1.2); | (-50.0, 70.0, 0.0, 1.2); |
| (-50.0, 60.0, 0.0, 1.2); | (-50.0, 50.0, 0.0, 1.2); |
| (-50.0, 40.0, 0.0, 1.2); | (-50.0, 30.0, 0.0, 1.2); |
| (-50.0, 25.0, 0.0, 1.2); | (-50.0, 20.0, 0.0, 1.2); |
| (-50.0, 17.0, 0.0, 1.2); | (-50.0, 15.0, 0.0, 1.2); |
| (-50.0, 13.0, 0.0, 1.2); | (-50.0, 11.0, 0.0, 1.2); |
| (-50.0, 9.0, 0.0, 1.2); | (-50.0, -9.0, 0.0, 1.2); |
| (-50.0, -11.0, 0.0, 1.2); | (-50.0, -13.0, 0.0, 1.2); |
| (-50.0, -15.0, 0.0, 1.2); | (-50.0, -17.0, 0.0, 1.2); |
| (-50.0, -20.0, 0.0, 1.2); | (-50.0, -25.0, 0.0, 1.2); |
| (-50.0, -30.0, 0.0, 1.2); | (-50.0, -40.0, 0.0, 1.2); |
| (-50.0, -50.0, 0.0, 1.2); | (-50.0, -60.0, 0.0, 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

(-50.0, -70.0, 0.0, 1.2); (-50.0, -80.0, 0.0, 1.2);
(-50.0, -90.0, 0.0, 1.2); (-50.0, -100.0, 0.0, 1.2);

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

*** NCRA Cumulative DPM Impacts ***
*** Maximum train overlap at East/West Bound Direction ***

10:54:17
**MODELOPTs:
PAGE 11
CONC

URBAN FLAT FLGPOL DFAULT

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

(-40.0, 100.0, 0.0, 1.2); (-40.0, 90.0, 0.0, 1.2);
(-40.0, 80.0, 0.0, 1.2); (-40.0, 70.0, 0.0, 1.2);
(-40.0, 60.0, 0.0, 1.2); (-40.0, 50.0, 0.0, 1.2);
(-40.0, 40.0, 0.0, 1.2); (-40.0, 30.0, 0.0, 1.2);
(-40.0, 25.0, 0.0, 1.2); (-40.0, 20.0, 0.0, 1.2);
(-40.0, 17.0, 0.0, 1.2); (-40.0, 15.0, 0.0, 1.2);
(-40.0, 13.0, 0.0, 1.2); (-40.0, 11.0, 0.0, 1.2);
(-40.0, 9.0, 0.0, 1.2); (-40.0, -9.0, 0.0, 1.2);
(-40.0, -11.0, 0.0, 1.2); (-40.0, -13.0, 0.0, 1.2);
(-40.0, -15.0, 0.0, 1.2); (-40.0, -17.0, 0.0, 1.2);
(-40.0, -20.0, 0.0, 1.2); (-40.0, -25.0, 0.0, 1.2);
(-40.0, -30.0, 0.0, 1.2); (-40.0, -40.0, 0.0, 1.2);
(-40.0, -50.0, 0.0, 1.2); (-40.0, -60.0, 0.0, 1.2);
(-40.0, -70.0, 0.0, 1.2); (-40.0, -80.0, 0.0, 1.2);
(-40.0, -90.0, 0.0, 1.2); (-40.0, -100.0, 0.0, 1.2);
(-30.0, 100.0, 0.0, 1.2); (-30.0, 90.0, 0.0, 1.2);
(-30.0, 80.0, 0.0, 1.2); (-30.0, 70.0, 0.0, 1.2);
(-30.0, 60.0, 0.0, 1.2); (-30.0, 50.0, 0.0, 1.2);
(-30.0, 40.0, 0.0, 1.2); (-30.0, 30.0, 0.0, 1.2);
(-30.0, 25.0, 0.0, 1.2); (-30.0, 20.0, 0.0, 1.2);
(-30.0, 17.0, 0.0, 1.2); (-30.0, 15.0, 0.0, 1.2);
(-30.0, 13.0, 0.0, 1.2); (-30.0, 11.0, 0.0, 1.2);
(-30.0, 9.0, 0.0, 1.2); (-30.0, -9.0, 0.0, 1.2);
(-30.0, -11.0, 0.0, 1.2); (-30.0, -13.0, 0.0, 1.2);
(-30.0, -15.0, 0.0, 1.2); (-30.0, -17.0, 0.0, 1.2);
(-30.0, -20.0, 0.0, 1.2); (-30.0, -25.0, 0.0, 1.2);
(-30.0, -30.0, 0.0, 1.2); (-30.0, -40.0, 0.0, 1.2);
(-30.0, -50.0, 0.0, 1.2); (-30.0, -60.0, 0.0, 1.2);
(-30.0, -70.0, 0.0, 1.2); (-30.0, -80.0, 0.0, 1.2);
(-30.0, -90.0, 0.0, 1.2); (-30.0, -100.0, 0.0, 1.2);
(-20.0, 100.0, 0.0, 1.2); (-20.0, 90.0, 0.0, 1.2);
(-20.0, 80.0, 0.0, 1.2); (-20.0, 70.0, 0.0, 1.2);
(-20.0, 60.0, 0.0, 1.2); (-20.0, 50.0, 0.0, 1.2);
(-20.0, 40.0, 0.0, 1.2); (-20.0, 30.0, 0.0, 1.2);
(-20.0, 25.0, 0.0, 1.2); (-20.0, 20.0, 0.0, 1.2);

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | |
|---------------------------|----------------------------|
| (0.0, -50.0, 0.0, 1.2); | (0.0, -60.0, 0.0, 1.2); |
| (0.0, -70.0, 0.0, 1.2); | (0.0, -80.0, 0.0, 1.2); |
| (0.0, -90.0, 0.0, 1.2); | (0.0, -100.0, 0.0, 1.2); |
| (10.0, 100.0, 0.0, 1.2); | (10.0, 90.0, 0.0, 1.2); |
| (10.0, 80.0, 0.0, 1.2); | (10.0, 70.0, 0.0, 1.2); |
| (10.0, 60.0, 0.0, 1.2); | (10.0, 50.0, 0.0, 1.2); |
| (10.0, 40.0, 0.0, 1.2); | (10.0, 30.0, 0.0, 1.2); |
| (10.0, 25.0, 0.0, 1.2); | (10.0, 20.0, 0.0, 1.2); |
| (10.0, 17.0, 0.0, 1.2); | (10.0, 15.0, 0.0, 1.2); |
| (10.0, 13.0, 0.0, 1.2); | (10.0, 11.0, 0.0, 1.2); |
| (10.0, 9.0, 0.0, 1.2); | (10.0, -9.0, 0.0, 1.2); |
| (10.0, -11.0, 0.0, 1.2); | (10.0, -13.0, 0.0, 1.2); |
| (10.0, -15.0, 0.0, 1.2); | (10.0, -17.0, 0.0, 1.2); |
| (10.0, -20.0, 0.0, 1.2); | (10.0, -25.0, 0.0, 1.2); |
| (10.0, -30.0, 0.0, 1.2); | (10.0, -40.0, 0.0, 1.2); |
| (10.0, -50.0, 0.0, 1.2); | (10.0, -60.0, 0.0, 1.2); |
| (10.0, -70.0, 0.0, 1.2); | (10.0, -80.0, 0.0, 1.2); |
| (10.0, -90.0, 0.0, 1.2); | (10.0, -100.0, 0.0, 1.2); |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **MODELOPTs:
 PAGE 13

CONC URBAN FLAT FLGPOL DFAULT

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

| | |
|---------------------------|----------------------------|
| (20.0, 100.0, 0.0, 1.2); | (20.0, 90.0, 0.0, 1.2); |
| (20.0, 80.0, 0.0, 1.2); | (20.0, 70.0, 0.0, 1.2); |
| (20.0, 60.0, 0.0, 1.2); | (20.0, 50.0, 0.0, 1.2); |
| (20.0, 40.0, 0.0, 1.2); | (20.0, 30.0, 0.0, 1.2); |
| (20.0, 25.0, 0.0, 1.2); | (20.0, 20.0, 0.0, 1.2); |
| (20.0, 17.0, 0.0, 1.2); | (20.0, 15.0, 0.0, 1.2); |
| (20.0, 13.0, 0.0, 1.2); | (20.0, 11.0, 0.0, 1.2); |
| (20.0, 9.0, 0.0, 1.2); | (20.0, -9.0, 0.0, 1.2); |
| (20.0, -11.0, 0.0, 1.2); | (20.0, -13.0, 0.0, 1.2); |
| (20.0, -15.0, 0.0, 1.2); | (20.0, -17.0, 0.0, 1.2); |
| (20.0, -20.0, 0.0, 1.2); | (20.0, -25.0, 0.0, 1.2); |
| (20.0, -30.0, 0.0, 1.2); | (20.0, -40.0, 0.0, 1.2); |
| (20.0, -50.0, 0.0, 1.2); | (20.0, -60.0, 0.0, 1.2); |
| (20.0, -70.0, 0.0, 1.2); | (20.0, -80.0, 0.0, 1.2); |
| (20.0, -90.0, 0.0, 1.2); | (20.0, -100.0, 0.0, 1.2); |
| (30.0, 100.0, 0.0, 1.2); | (30.0, 90.0, 0.0, 1.2); |
| (30.0, 80.0, 0.0, 1.2); | (30.0, 70.0, 0.0, 1.2); |
| (30.0, 60.0, 0.0, 1.2); | (30.0, 50.0, 0.0, 1.2); |
| (30.0, 40.0, 0.0, 1.2); | (30.0, 30.0, 0.0, 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | |
|---------------------------|----------------------------|
| (30.0, 25.0, 0.0, 1.2); | (30.0, 20.0, 0.0, 1.2); |
| (30.0, 17.0, 0.0, 1.2); | (30.0, 15.0, 0.0, 1.2); |
| (30.0, 13.0, 0.0, 1.2); | (30.0, 11.0, 0.0, 1.2); |
| (30.0, 9.0, 0.0, 1.2); | (30.0, -9.0, 0.0, 1.2); |
| (30.0, -11.0, 0.0, 1.2); | (30.0, -13.0, 0.0, 1.2); |
| (30.0, -15.0, 0.0, 1.2); | (30.0, -17.0, 0.0, 1.2); |
| (30.0, -20.0, 0.0, 1.2); | (30.0, -25.0, 0.0, 1.2); |
| (30.0, -30.0, 0.0, 1.2); | (30.0, -40.0, 0.0, 1.2); |
| (30.0, -50.0, 0.0, 1.2); | (30.0, -60.0, 0.0, 1.2); |
| (30.0, -70.0, 0.0, 1.2); | (30.0, -80.0, 0.0, 1.2); |
| (30.0, -90.0, 0.0, 1.2); | (30.0, -100.0, 0.0, 1.2); |
| (40.0, 100.0, 0.0, 1.2); | (40.0, 90.0, 0.0, 1.2); |
| (40.0, 80.0, 0.0, 1.2); | (40.0, 70.0, 0.0, 1.2); |
| (40.0, 60.0, 0.0, 1.2); | (40.0, 50.0, 0.0, 1.2); |
| (40.0, 40.0, 0.0, 1.2); | (40.0, 30.0, 0.0, 1.2); |
| (40.0, 25.0, 0.0, 1.2); | (40.0, 20.0, 0.0, 1.2); |
| (40.0, 17.0, 0.0, 1.2); | (40.0, 15.0, 0.0, 1.2); |
| (40.0, 13.0, 0.0, 1.2); | (40.0, 11.0, 0.0, 1.2); |
| (40.0, 9.0, 0.0, 1.2); | (40.0, -9.0, 0.0, 1.2); |
| (40.0, -11.0, 0.0, 1.2); | (40.0, -13.0, 0.0, 1.2); |
| (40.0, -15.0, 0.0, 1.2); | (40.0, -17.0, 0.0, 1.2); |
| (40.0, -20.0, 0.0, 1.2); | (40.0, -25.0, 0.0, 1.2); |
| (40.0, -30.0, 0.0, 1.2); | (40.0, -40.0, 0.0, 1.2); |
| (40.0, -50.0, 0.0, 1.2); | (40.0, -60.0, 0.0, 1.2); |
| (40.0, -70.0, 0.0, 1.2); | (40.0, -80.0, 0.0, 1.2); |
| (40.0, -90.0, 0.0, 1.2); | (40.0, -100.0, 0.0, 1.2); |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**MODELOPTs:

PAGE 14

CONC

URBAN FLAT FLGPOL DFAULT

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

| | |
|---------------------------|---------------------------|
| (50.0, 100.0, 0.0, 1.2); | (50.0, 90.0, 0.0, 1.2); |
| (50.0, 80.0, 0.0, 1.2); | (50.0, 70.0, 0.0, 1.2); |
| (50.0, 60.0, 0.0, 1.2); | (50.0, 50.0, 0.0, 1.2); |
| (50.0, 40.0, 0.0, 1.2); | (50.0, 30.0, 0.0, 1.2); |
| (50.0, 25.0, 0.0, 1.2); | (50.0, 20.0, 0.0, 1.2); |
| (50.0, 17.0, 0.0, 1.2); | (50.0, 15.0, 0.0, 1.2); |
| (50.0, 13.0, 0.0, 1.2); | (50.0, 11.0, 0.0, 1.2); |
| (50.0, 9.0, 0.0, 1.2); | (50.0, -9.0, 0.0, 1.2); |
| (50.0, -11.0, 0.0, 1.2); | (50.0, -13.0, 0.0, 1.2); |
| (50.0, -15.0, 0.0, 1.2); | (50.0, -17.0, 0.0, 1.2); |
| (50.0, -20.0, 0.0, 1.2); | (50.0, -25.0, 0.0, 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | |
|---------------------------|----------------------------|
| (50.0, -30.0, 0.0, 1.2); | (50.0, -40.0, 0.0, 1.2); |
| (50.0, -50.0, 0.0, 1.2); | (50.0, -60.0, 0.0, 1.2); |
| (50.0, -70.0, 0.0, 1.2); | (50.0, -80.0, 0.0, 1.2); |
| (50.0, -90.0, 0.0, 1.2); | (50.0, -100.0, 0.0, 1.2); |
| (60.0, 100.0, 0.0, 1.2); | (60.0, 90.0, 0.0, 1.2); |
| (60.0, 80.0, 0.0, 1.2); | (60.0, 70.0, 0.0, 1.2); |
| (60.0, 60.0, 0.0, 1.2); | (60.0, 50.0, 0.0, 1.2); |
| (60.0, 40.0, 0.0, 1.2); | (60.0, 30.0, 0.0, 1.2); |
| (60.0, 25.0, 0.0, 1.2); | (60.0, 20.0, 0.0, 1.2); |
| (60.0, 17.0, 0.0, 1.2); | (60.0, 15.0, 0.0, 1.2); |
| (60.0, 13.0, 0.0, 1.2); | (60.0, 11.0, 0.0, 1.2); |
| (60.0, 9.0, 0.0, 1.2); | (60.0, -9.0, 0.0, 1.2); |
| (60.0, -11.0, 0.0, 1.2); | (60.0, -13.0, 0.0, 1.2); |
| (60.0, -15.0, 0.0, 1.2); | (60.0, -17.0, 0.0, 1.2); |
| (60.0, -20.0, 0.0, 1.2); | (60.0, -25.0, 0.0, 1.2); |
| (60.0, -30.0, 0.0, 1.2); | (60.0, -40.0, 0.0, 1.2); |
| (60.0, -50.0, 0.0, 1.2); | (60.0, -60.0, 0.0, 1.2); |
| (60.0, -70.0, 0.0, 1.2); | (60.0, -80.0, 0.0, 1.2); |
| (60.0, -90.0, 0.0, 1.2); | (60.0, -100.0, 0.0, 1.2); |
| (70.0, 100.0, 0.0, 1.2); | (70.0, 90.0, 0.0, 1.2); |
| (70.0, 80.0, 0.0, 1.2); | (70.0, 70.0, 0.0, 1.2); |
| (70.0, 60.0, 0.0, 1.2); | (70.0, 50.0, 0.0, 1.2); |
| (70.0, 40.0, 0.0, 1.2); | (70.0, 30.0, 0.0, 1.2); |
| (70.0, 25.0, 0.0, 1.2); | (70.0, 20.0, 0.0, 1.2); |
| (70.0, 17.0, 0.0, 1.2); | (70.0, 15.0, 0.0, 1.2); |
| (70.0, 13.0, 0.0, 1.2); | (70.0, 11.0, 0.0, 1.2); |
| (70.0, 9.0, 0.0, 1.2); | (70.0, -9.0, 0.0, 1.2); |
| (70.0, -11.0, 0.0, 1.2); | (70.0, -13.0, 0.0, 1.2); |
| (70.0, -15.0, 0.0, 1.2); | (70.0, -17.0, 0.0, 1.2); |
| (70.0, -20.0, 0.0, 1.2); | (70.0, -25.0, 0.0, 1.2); |
| (70.0, -30.0, 0.0, 1.2); | (70.0, -40.0, 0.0, 1.2); |
| (70.0, -50.0, 0.0, 1.2); | (70.0, -60.0, 0.0, 1.2); |
| (70.0, -70.0, 0.0, 1.2); | (70.0, -80.0, 0.0, 1.2); |
| (70.0, -90.0, 0.0, 1.2); | (70.0, -100.0, 0.0, 1.2); |

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

04/20/08

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**MODELOPTS:
PAGE 15

CONC URBAN FLAT FLGPOL DFAULT

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

| | |
|---------------------------|--------------------------|
| (80.0, 100.0, 0.0, 1.2); | (80.0, 90.0, 0.0, 1.2); |
| (80.0, 80.0, 0.0, 1.2); | (80.0, 70.0, 0.0, 1.2); |
| (80.0, 60.0, 0.0, 1.2); | (80.0, 50.0, 0.0, 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | |
|----------------------------|-----------------------------|
| (80.0, 40.0, 0.0, 1.2); | (80.0, 30.0, 0.0, 1.2); |
| (80.0, 25.0, 0.0, 1.2); | (80.0, 20.0, 0.0, 1.2); |
| (80.0, 17.0, 0.0, 1.2); | (80.0, 15.0, 0.0, 1.2); |
| (80.0, 13.0, 0.0, 1.2); | (80.0, 11.0, 0.0, 1.2); |
| (80.0, 9.0, 0.0, 1.2); | (80.0, -9.0, 0.0, 1.2); |
| (80.0, -11.0, 0.0, 1.2); | (80.0, -13.0, 0.0, 1.2); |
| (80.0, -15.0, 0.0, 1.2); | (80.0, -17.0, 0.0, 1.2); |
| (80.0, -20.0, 0.0, 1.2); | (80.0, -25.0, 0.0, 1.2); |
| (80.0, -30.0, 0.0, 1.2); | (80.0, -40.0, 0.0, 1.2); |
| (80.0, -50.0, 0.0, 1.2); | (80.0, -60.0, 0.0, 1.2); |
| (80.0, -70.0, 0.0, 1.2); | (80.0, -80.0, 0.0, 1.2); |
| (80.0, -90.0, 0.0, 1.2); | (80.0, -100.0, 0.0, 1.2); |
| (90.0, 100.0, 0.0, 1.2); | (90.0, 90.0, 0.0, 1.2); |
| (90.0, 80.0, 0.0, 1.2); | (90.0, 70.0, 0.0, 1.2); |
| (90.0, 60.0, 0.0, 1.2); | (90.0, 50.0, 0.0, 1.2); |
| (90.0, 40.0, 0.0, 1.2); | (90.0, 30.0, 0.0, 1.2); |
| (90.0, 25.0, 0.0, 1.2); | (90.0, 20.0, 0.0, 1.2); |
| (90.0, 17.0, 0.0, 1.2); | (90.0, 15.0, 0.0, 1.2); |
| (90.0, 13.0, 0.0, 1.2); | (90.0, 11.0, 0.0, 1.2); |
| (90.0, 9.0, 0.0, 1.2); | (90.0, -9.0, 0.0, 1.2); |
| (90.0, -11.0, 0.0, 1.2); | (90.0, -13.0, 0.0, 1.2); |
| (90.0, -15.0, 0.0, 1.2); | (90.0, -17.0, 0.0, 1.2); |
| (90.0, -20.0, 0.0, 1.2); | (90.0, -25.0, 0.0, 1.2); |
| (90.0, -30.0, 0.0, 1.2); | (90.0, -40.0, 0.0, 1.2); |
| (90.0, -50.0, 0.0, 1.2); | (90.0, -60.0, 0.0, 1.2); |
| (90.0, -70.0, 0.0, 1.2); | (90.0, -80.0, 0.0, 1.2); |
| (90.0, -90.0, 0.0, 1.2); | (90.0, -100.0, 0.0, 1.2); |
| (100.0, 100.0, 0.0, 1.2); | (100.0, 90.0, 0.0, 1.2); |
| (100.0, 80.0, 0.0, 1.2); | (100.0, 70.0, 0.0, 1.2); |
| (100.0, 60.0, 0.0, 1.2); | (100.0, 50.0, 0.0, 1.2); |
| (100.0, 40.0, 0.0, 1.2); | (100.0, 30.0, 0.0, 1.2); |
| (100.0, 25.0, 0.0, 1.2); | (100.0, 20.0, 0.0, 1.2); |
| (100.0, 17.0, 0.0, 1.2); | (100.0, 15.0, 0.0, 1.2); |
| (100.0, 13.0, 0.0, 1.2); | (100.0, 11.0, 0.0, 1.2); |
| (100.0, 9.0, 0.0, 1.2); | (100.0, -9.0, 0.0, 1.2); |
| (100.0, -11.0, 0.0, 1.2); | (100.0, -13.0, 0.0, 1.2); |
| (100.0, -15.0, 0.0, 1.2); | (100.0, -17.0, 0.0, 1.2); |
| (100.0, -20.0, 0.0, 1.2); | (100.0, -25.0, 0.0, 1.2); |
| (100.0, -30.0, 0.0, 1.2); | (100.0, -40.0, 0.0, 1.2); |
| (100.0, -50.0, 0.0, 1.2); | (100.0, -60.0, 0.0, 1.2); |
| (100.0, -70.0, 0.0, 1.2); | (100.0, -80.0, 0.0, 1.2); |
| (100.0, -90.0, 0.0, 1.2); | (100.0, -100.0, 0.0, 1.2); |

**MODELOPTs:
PAGE 16
CONC

URBAN FLAT FLGPOL DFAULT

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

| | |
|----------------------------|-----------------------------|
| (110.0, 100.0, 0.0, 1.2); | (110.0, 90.0, 0.0, 1.2); |
| (110.0, 80.0, 0.0, 1.2); | (110.0, 70.0, 0.0, 1.2); |
| (110.0, 60.0, 0.0, 1.2); | (110.0, 50.0, 0.0, 1.2); |
| (110.0, 40.0, 0.0, 1.2); | (110.0, 30.0, 0.0, 1.2); |
| (110.0, 25.0, 0.0, 1.2); | (110.0, 20.0, 0.0, 1.2); |
| (110.0, 17.0, 0.0, 1.2); | (110.0, 15.0, 0.0, 1.2); |
| (110.0, 13.0, 0.0, 1.2); | (110.0, 11.0, 0.0, 1.2); |
| (110.0, 9.0, 0.0, 1.2); | (110.0, -9.0, 0.0, 1.2); |
| (110.0, -11.0, 0.0, 1.2); | (110.0, -13.0, 0.0, 1.2); |
| (110.0, -15.0, 0.0, 1.2); | (110.0, -17.0, 0.0, 1.2); |
| (110.0, -20.0, 0.0, 1.2); | (110.0, -25.0, 0.0, 1.2); |
| (110.0, -30.0, 0.0, 1.2); | (110.0, -40.0, 0.0, 1.2); |
| (110.0, -50.0, 0.0, 1.2); | (110.0, -60.0, 0.0, 1.2); |
| (110.0, -70.0, 0.0, 1.2); | (110.0, -80.0, 0.0, 1.2); |
| (110.0, -90.0, 0.0, 1.2); | (110.0, -100.0, 0.0, 1.2); |
| (120.0, 100.0, 0.0, 1.2); | (120.0, 90.0, 0.0, 1.2); |
| (120.0, 80.0, 0.0, 1.2); | (120.0, 70.0, 0.0, 1.2); |
| (120.0, 60.0, 0.0, 1.2); | (120.0, 50.0, 0.0, 1.2); |
| (120.0, 40.0, 0.0, 1.2); | (120.0, 30.0, 0.0, 1.2); |
| (120.0, 25.0, 0.0, 1.2); | (120.0, 20.0, 0.0, 1.2); |
| (120.0, 17.0, 0.0, 1.2); | (120.0, 15.0, 0.0, 1.2); |
| (120.0, 13.0, 0.0, 1.2); | (120.0, 11.0, 0.0, 1.2); |
| (120.0, 9.0, 0.0, 1.2); | (120.0, -9.0, 0.0, 1.2); |
| (120.0, -11.0, 0.0, 1.2); | (120.0, -13.0, 0.0, 1.2); |
| (120.0, -15.0, 0.0, 1.2); | (120.0, -17.0, 0.0, 1.2); |
| (120.0, -20.0, 0.0, 1.2); | (120.0, -25.0, 0.0, 1.2); |
| (120.0, -30.0, 0.0, 1.2); | (120.0, -40.0, 0.0, 1.2); |
| (120.0, -50.0, 0.0, 1.2); | (120.0, -60.0, 0.0, 1.2); |
| (120.0, -70.0, 0.0, 1.2); | (120.0, -80.0, 0.0, 1.2); |
| (120.0, -90.0, 0.0, 1.2); | (120.0, -100.0, 0.0, 1.2); |
| (130.0, 100.0, 0.0, 1.2); | (130.0, 90.0, 0.0, 1.2); |
| (130.0, 80.0, 0.0, 1.2); | (130.0, 70.0, 0.0, 1.2); |
| (130.0, 60.0, 0.0, 1.2); | (130.0, 50.0, 0.0, 1.2); |
| (130.0, 40.0, 0.0, 1.2); | (130.0, 30.0, 0.0, 1.2); |
| (130.0, 25.0, 0.0, 1.2); | (130.0, 20.0, 0.0, 1.2); |
| (130.0, 17.0, 0.0, 1.2); | (130.0, 15.0, 0.0, 1.2); |
| (130.0, 13.0, 0.0, 1.2); | (130.0, 11.0, 0.0, 1.2); |
| (130.0, 9.0, 0.0, 1.2); | (130.0, -9.0, 0.0, 1.2); |
| (130.0, -11.0, 0.0, 1.2); | (130.0, -13.0, 0.0, 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN E-W Bound

| | | | | | | | |
|----------|--------|------|-------|----------|---------|------|-------|
| (130.0, | -15.0, | 0.0, | 1.2); | (130.0, | -17.0, | 0.0, | 1.2); |
| (130.0, | -20.0, | 0.0, | 1.2); | (130.0, | -25.0, | 0.0, | 1.2); |
| (130.0, | -30.0, | 0.0, | 1.2); | (130.0, | -40.0, | 0.0, | 1.2); |
| (130.0, | -50.0, | 0.0, | 1.2); | (130.0, | -60.0, | 0.0, | 1.2); |
| (130.0, | -70.0, | 0.0, | 1.2); | (130.0, | -80.0, | 0.0, | 1.2); |
| (130.0, | -90.0, | 0.0, | 1.2); | (130.0, | -100.0, | 0.0, | 1.2); |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**MODELOPTs:

PAGE 17

CONC URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|----------|--------|------|-------|----------|---------|------|-------|
| (140.0, | 100.0, | 0.0, | 1.2); | (140.0, | 90.0, | 0.0, | 1.2); |
| (140.0, | 80.0, | 0.0, | 1.2); | (140.0, | 70.0, | 0.0, | 1.2); |
| (140.0, | 60.0, | 0.0, | 1.2); | (140.0, | 50.0, | 0.0, | 1.2); |
| (140.0, | 40.0, | 0.0, | 1.2); | (140.0, | 30.0, | 0.0, | 1.2); |
| (140.0, | 25.0, | 0.0, | 1.2); | (140.0, | 20.0, | 0.0, | 1.2); |
| (140.0, | 17.0, | 0.0, | 1.2); | (140.0, | 15.0, | 0.0, | 1.2); |
| (140.0, | 13.0, | 0.0, | 1.2); | (140.0, | 11.0, | 0.0, | 1.2); |
| (140.0, | 9.0, | 0.0, | 1.2); | (140.0, | -9.0, | 0.0, | 1.2); |
| (140.0, | -11.0, | 0.0, | 1.2); | (140.0, | -13.0, | 0.0, | 1.2); |
| (140.0, | -15.0, | 0.0, | 1.2); | (140.0, | -17.0, | 0.0, | 1.2); |
| (140.0, | -20.0, | 0.0, | 1.2); | (140.0, | -25.0, | 0.0, | 1.2); |
| (140.0, | -30.0, | 0.0, | 1.2); | (140.0, | -40.0, | 0.0, | 1.2); |
| (140.0, | -50.0, | 0.0, | 1.2); | (140.0, | -60.0, | 0.0, | 1.2); |
| (140.0, | -70.0, | 0.0, | 1.2); | (140.0, | -80.0, | 0.0, | 1.2); |
| (140.0, | -90.0, | 0.0, | 1.2); | (140.0, | -100.0, | 0.0, | 1.2); |
| (150.0, | 100.0, | 0.0, | 1.2); | (150.0, | 90.0, | 0.0, | 1.2); |
| (150.0, | 80.0, | 0.0, | 1.2); | (150.0, | 70.0, | 0.0, | 1.2); |
| (150.0, | 60.0, | 0.0, | 1.2); | (150.0, | 50.0, | 0.0, | 1.2); |
| (150.0, | 40.0, | 0.0, | 1.2); | (150.0, | 30.0, | 0.0, | 1.2); |
| (150.0, | 25.0, | 0.0, | 1.2); | (150.0, | 20.0, | 0.0, | 1.2); |
| (150.0, | 17.0, | 0.0, | 1.2); | (150.0, | 15.0, | 0.0, | 1.2); |
| (150.0, | 13.0, | 0.0, | 1.2); | (150.0, | 11.0, | 0.0, | 1.2); |
| (150.0, | 9.0, | 0.0, | 1.2); | (150.0, | -9.0, | 0.0, | 1.2); |
| (150.0, | -11.0, | 0.0, | 1.2); | (150.0, | -13.0, | 0.0, | 1.2); |
| (150.0, | -15.0, | 0.0, | 1.2); | (150.0, | -17.0, | 0.0, | 1.2); |
| (150.0, | -20.0, | 0.0, | 1.2); | (150.0, | -25.0, | 0.0, | 1.2); |
| (150.0, | -30.0, | 0.0, | 1.2); | (150.0, | -40.0, | 0.0, | 1.2); |
| (150.0, | -50.0, | 0.0, | 1.2); | (150.0, | -60.0, | 0.0, | 1.2); |
| (150.0, | -70.0, | 0.0, | 1.2); | (150.0, | -80.0, | 0.0, | 1.2); |
| (150.0, | -90.0, | 0.0, | 1.2); | (150.0, | -100.0, | 0.0, | 1.2); |
| (160.0, | 100.0, | 0.0, | 1.2); | (160.0, | 90.0, | 0.0, | 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN E-W Bound

| | | | | | | | |
|----------|--------|------|-------|----------|---------|------|-------|
| (160.0, | 80.0, | 0.0, | 1.2); | (160.0, | 70.0, | 0.0, | 1.2); |
| (160.0, | 60.0, | 0.0, | 1.2); | (160.0, | 50.0, | 0.0, | 1.2); |
| (160.0, | 40.0, | 0.0, | 1.2); | (160.0, | 30.0, | 0.0, | 1.2); |
| (160.0, | 25.0, | 0.0, | 1.2); | (160.0, | 20.0, | 0.0, | 1.2); |
| (160.0, | 17.0, | 0.0, | 1.2); | (160.0, | 15.0, | 0.0, | 1.2); |
| (160.0, | 13.0, | 0.0, | 1.2); | (160.0, | 11.0, | 0.0, | 1.2); |
| (160.0, | 9.0, | 0.0, | 1.2); | (160.0, | -9.0, | 0.0, | 1.2); |
| (160.0, | -11.0, | 0.0, | 1.2); | (160.0, | -13.0, | 0.0, | 1.2); |
| (160.0, | -15.0, | 0.0, | 1.2); | (160.0, | -17.0, | 0.0, | 1.2); |
| (160.0, | -20.0, | 0.0, | 1.2); | (160.0, | -25.0, | 0.0, | 1.2); |
| (160.0, | -30.0, | 0.0, | 1.2); | (160.0, | -40.0, | 0.0, | 1.2); |
| (160.0, | -50.0, | 0.0, | 1.2); | (160.0, | -60.0, | 0.0, | 1.2); |
| (160.0, | -70.0, | 0.0, | 1.2); | (160.0, | -80.0, | 0.0, | 1.2); |
| (160.0, | -90.0, | 0.0, | 1.2); | (160.0, | -100.0, | 0.0, | 1.2); |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **MODELOPTs:
 PAGE 18

CONC URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|----------|--------|------|-------|----------|---------|------|-------|
| (170.0, | 100.0, | 0.0, | 1.2); | (170.0, | 90.0, | 0.0, | 1.2); |
| (170.0, | 80.0, | 0.0, | 1.2); | (170.0, | 70.0, | 0.0, | 1.2); |
| (170.0, | 60.0, | 0.0, | 1.2); | (170.0, | 50.0, | 0.0, | 1.2); |
| (170.0, | 40.0, | 0.0, | 1.2); | (170.0, | 30.0, | 0.0, | 1.2); |
| (170.0, | 25.0, | 0.0, | 1.2); | (170.0, | 20.0, | 0.0, | 1.2); |
| (170.0, | 17.0, | 0.0, | 1.2); | (170.0, | 15.0, | 0.0, | 1.2); |
| (170.0, | 13.0, | 0.0, | 1.2); | (170.0, | 11.0, | 0.0, | 1.2); |
| (170.0, | 9.0, | 0.0, | 1.2); | (170.0, | -9.0, | 0.0, | 1.2); |
| (170.0, | -11.0, | 0.0, | 1.2); | (170.0, | -13.0, | 0.0, | 1.2); |
| (170.0, | -15.0, | 0.0, | 1.2); | (170.0, | -17.0, | 0.0, | 1.2); |
| (170.0, | -20.0, | 0.0, | 1.2); | (170.0, | -25.0, | 0.0, | 1.2); |
| (170.0, | -30.0, | 0.0, | 1.2); | (170.0, | -40.0, | 0.0, | 1.2); |
| (170.0, | -50.0, | 0.0, | 1.2); | (170.0, | -60.0, | 0.0, | 1.2); |
| (170.0, | -70.0, | 0.0, | 1.2); | (170.0, | -80.0, | 0.0, | 1.2); |
| (170.0, | -90.0, | 0.0, | 1.2); | (170.0, | -100.0, | 0.0, | 1.2); |
| (180.0, | 100.0, | 0.0, | 1.2); | (180.0, | 90.0, | 0.0, | 1.2); |
| (180.0, | 80.0, | 0.0, | 1.2); | (180.0, | 70.0, | 0.0, | 1.2); |
| (180.0, | 60.0, | 0.0, | 1.2); | (180.0, | 50.0, | 0.0, | 1.2); |
| (180.0, | 40.0, | 0.0, | 1.2); | (180.0, | 30.0, | 0.0, | 1.2); |
| (180.0, | 25.0, | 0.0, | 1.2); | (180.0, | 20.0, | 0.0, | 1.2); |
| (180.0, | 17.0, | 0.0, | 1.2); | (180.0, | 15.0, | 0.0, | 1.2); |
| (180.0, | 13.0, | 0.0, | 1.2); | (180.0, | 11.0, | 0.0, | 1.2); |
| (180.0, | 9.0, | 0.0, | 1.2); | (180.0, | -9.0, | 0.0, | 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | | | |
|----------|--------|------|-------|----------|---------|------|-------|
| (180.0, | -11.0, | 0.0, | 1.2); | (180.0, | -13.0, | 0.0, | 1.2); |
| (180.0, | -15.0, | 0.0, | 1.2); | (180.0, | -17.0, | 0.0, | 1.2); |
| (180.0, | -20.0, | 0.0, | 1.2); | (180.0, | -25.0, | 0.0, | 1.2); |
| (180.0, | -30.0, | 0.0, | 1.2); | (180.0, | -40.0, | 0.0, | 1.2); |
| (180.0, | -50.0, | 0.0, | 1.2); | (180.0, | -60.0, | 0.0, | 1.2); |
| (180.0, | -70.0, | 0.0, | 1.2); | (180.0, | -80.0, | 0.0, | 1.2); |
| (180.0, | -90.0, | 0.0, | 1.2); | (180.0, | -100.0, | 0.0, | 1.2); |
| (190.0, | 100.0, | 0.0, | 1.2); | (190.0, | 90.0, | 0.0, | 1.2); |
| (190.0, | 80.0, | 0.0, | 1.2); | (190.0, | 70.0, | 0.0, | 1.2); |
| (190.0, | 60.0, | 0.0, | 1.2); | (190.0, | 50.0, | 0.0, | 1.2); |
| (190.0, | 40.0, | 0.0, | 1.2); | (190.0, | 30.0, | 0.0, | 1.2); |
| (190.0, | 25.0, | 0.0, | 1.2); | (190.0, | 20.0, | 0.0, | 1.2); |
| (190.0, | 17.0, | 0.0, | 1.2); | (190.0, | 15.0, | 0.0, | 1.2); |
| (190.0, | 13.0, | 0.0, | 1.2); | (190.0, | 11.0, | 0.0, | 1.2); |
| (190.0, | 9.0, | 0.0, | 1.2); | (190.0, | -9.0, | 0.0, | 1.2); |
| (190.0, | -11.0, | 0.0, | 1.2); | (190.0, | -13.0, | 0.0, | 1.2); |
| (190.0, | -15.0, | 0.0, | 1.2); | (190.0, | -17.0, | 0.0, | 1.2); |
| (190.0, | -20.0, | 0.0, | 1.2); | (190.0, | -25.0, | 0.0, | 1.2); |
| (190.0, | -30.0, | 0.0, | 1.2); | (190.0, | -40.0, | 0.0, | 1.2); |
| (190.0, | -50.0, | 0.0, | 1.2); | (190.0, | -60.0, | 0.0, | 1.2); |
| (190.0, | -70.0, | 0.0, | 1.2); | (190.0, | -80.0, | 0.0, | 1.2); |
| (190.0, | -90.0, | 0.0, | 1.2); | (190.0, | -100.0, | 0.0, | 1.2); |

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

10:54:17
 **MODELOPTs:
 PAGE 19

CONC URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|----------|--------|------|-------|----------|---------|------|-------|
| (200.0, | 100.0, | 0.0, | 1.2); | (200.0, | 90.0, | 0.0, | 1.2); |
| (200.0, | 80.0, | 0.0, | 1.2); | (200.0, | 70.0, | 0.0, | 1.2); |
| (200.0, | 60.0, | 0.0, | 1.2); | (200.0, | 50.0, | 0.0, | 1.2); |
| (200.0, | 40.0, | 0.0, | 1.2); | (200.0, | 30.0, | 0.0, | 1.2); |
| (200.0, | 25.0, | 0.0, | 1.2); | (200.0, | 20.0, | 0.0, | 1.2); |
| (200.0, | 17.0, | 0.0, | 1.2); | (200.0, | 15.0, | 0.0, | 1.2); |
| (200.0, | 13.0, | 0.0, | 1.2); | (200.0, | 11.0, | 0.0, | 1.2); |
| (200.0, | 9.0, | 0.0, | 1.2); | (200.0, | -9.0, | 0.0, | 1.2); |
| (200.0, | -11.0, | 0.0, | 1.2); | (200.0, | -13.0, | 0.0, | 1.2); |
| (200.0, | -15.0, | 0.0, | 1.2); | (200.0, | -17.0, | 0.0, | 1.2); |
| (200.0, | -20.0, | 0.0, | 1.2); | (200.0, | -25.0, | 0.0, | 1.2); |
| (200.0, | -30.0, | 0.0, | 1.2); | (200.0, | -40.0, | 0.0, | 1.2); |
| (200.0, | -50.0, | 0.0, | 1.2); | (200.0, | -60.0, | 0.0, | 1.2); |
| (200.0, | -70.0, | 0.0, | 1.2); | (200.0, | -80.0, | 0.0, | 1.2); |
| (200.0, | -90.0, | 0.0, | 1.2); | (200.0, | -100.0, | 0.0, | 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | | | |
|----------|--------|------|-------|----------|---------|------|-------|
| (210.0, | 100.0, | 0.0, | 1.2); | (210.0, | 90.0, | 0.0, | 1.2); |
| (210.0, | 80.0, | 0.0, | 1.2); | (210.0, | 70.0, | 0.0, | 1.2); |
| (210.0, | 60.0, | 0.0, | 1.2); | (210.0, | 50.0, | 0.0, | 1.2); |
| (210.0, | 40.0, | 0.0, | 1.2); | (210.0, | 30.0, | 0.0, | 1.2); |
| (210.0, | 25.0, | 0.0, | 1.2); | (210.0, | 20.0, | 0.0, | 1.2); |
| (210.0, | 17.0, | 0.0, | 1.2); | (210.0, | 15.0, | 0.0, | 1.2); |
| (210.0, | 13.0, | 0.0, | 1.2); | (210.0, | 11.0, | 0.0, | 1.2); |
| (210.0, | 9.0, | 0.0, | 1.2); | (210.0, | -9.0, | 0.0, | 1.2); |
| (210.0, | -11.0, | 0.0, | 1.2); | (210.0, | -13.0, | 0.0, | 1.2); |
| (210.0, | -15.0, | 0.0, | 1.2); | (210.0, | -17.0, | 0.0, | 1.2); |
| (210.0, | -20.0, | 0.0, | 1.2); | (210.0, | -25.0, | 0.0, | 1.2); |
| (210.0, | -30.0, | 0.0, | 1.2); | (210.0, | -40.0, | 0.0, | 1.2); |
| (210.0, | -50.0, | 0.0, | 1.2); | (210.0, | -60.0, | 0.0, | 1.2); |
| (210.0, | -70.0, | 0.0, | 1.2); | (210.0, | -80.0, | 0.0, | 1.2); |
| (210.0, | -90.0, | 0.0, | 1.2); | (210.0, | -100.0, | 0.0, | 1.2); |
| (220.0, | 100.0, | 0.0, | 1.2); | (220.0, | 90.0, | 0.0, | 1.2); |
| (220.0, | 80.0, | 0.0, | 1.2); | (220.0, | 70.0, | 0.0, | 1.2); |
| (220.0, | 60.0, | 0.0, | 1.2); | (220.0, | 50.0, | 0.0, | 1.2); |
| (220.0, | 40.0, | 0.0, | 1.2); | (220.0, | 30.0, | 0.0, | 1.2); |
| (220.0, | 25.0, | 0.0, | 1.2); | (220.0, | 20.0, | 0.0, | 1.2); |
| (220.0, | 17.0, | 0.0, | 1.2); | (220.0, | 15.0, | 0.0, | 1.2); |
| (220.0, | 13.0, | 0.0, | 1.2); | (220.0, | 11.0, | 0.0, | 1.2); |
| (220.0, | 9.0, | 0.0, | 1.2); | (220.0, | -9.0, | 0.0, | 1.2); |
| (220.0, | -11.0, | 0.0, | 1.2); | (220.0, | -13.0, | 0.0, | 1.2); |
| (220.0, | -15.0, | 0.0, | 1.2); | (220.0, | -17.0, | 0.0, | 1.2); |
| (220.0, | -20.0, | 0.0, | 1.2); | (220.0, | -25.0, | 0.0, | 1.2); |
| (220.0, | -30.0, | 0.0, | 1.2); | (220.0, | -40.0, | 0.0, | 1.2); |
| (220.0, | -50.0, | 0.0, | 1.2); | (220.0, | -60.0, | 0.0, | 1.2); |
| (220.0, | -70.0, | 0.0, | 1.2); | (220.0, | -80.0, | 0.0, | 1.2); |
| (220.0, | -90.0, | 0.0, | 1.2); | (220.0, | -100.0, | 0.0, | 1.2); |

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

04/20/08

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **MODELOPTs:
 PAGE 20

CONC URBAN FLAT FLGPOL DFAULT

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

| | | | | | | | |
|----------|--------|------|-------|----------|-------|------|-------|
| (230.0, | 100.0, | 0.0, | 1.2); | (230.0, | 90.0, | 0.0, | 1.2); |
| (230.0, | 80.0, | 0.0, | 1.2); | (230.0, | 70.0, | 0.0, | 1.2); |
| (230.0, | 60.0, | 0.0, | 1.2); | (230.0, | 50.0, | 0.0, | 1.2); |
| (230.0, | 40.0, | 0.0, | 1.2); | (230.0, | 30.0, | 0.0, | 1.2); |
| (230.0, | 25.0, | 0.0, | 1.2); | (230.0, | 20.0, | 0.0, | 1.2); |
| (230.0, | 17.0, | 0.0, | 1.2); | (230.0, | 15.0, | 0.0, | 1.2); |
| (230.0, | 13.0, | 0.0, | 1.2); | (230.0, | 11.0, | 0.0, | 1.2); |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | | | |
|----------|--------|------|-------|----------|---------|------|-------|
| (230.0, | 9.0, | 0.0, | 1.2); | (230.0, | -9.0, | 0.0, | 1.2); |
| (230.0, | -11.0, | 0.0, | 1.2); | (230.0, | -13.0, | 0.0, | 1.2); |
| (230.0, | -15.0, | 0.0, | 1.2); | (230.0, | -17.0, | 0.0, | 1.2); |
| (230.0, | -20.0, | 0.0, | 1.2); | (230.0, | -25.0, | 0.0, | 1.2); |
| (230.0, | -30.0, | 0.0, | 1.2); | (230.0, | -40.0, | 0.0, | 1.2); |
| (230.0, | -50.0, | 0.0, | 1.2); | (230.0, | -60.0, | 0.0, | 1.2); |
| (230.0, | -70.0, | 0.0, | 1.2); | (230.0, | -80.0, | 0.0, | 1.2); |
| (230.0, | -90.0, | 0.0, | 1.2); | (230.0, | -100.0, | 0.0, | 1.2); |
| (240.0, | 100.0, | 0.0, | 1.2); | (240.0, | 90.0, | 0.0, | 1.2); |
| (240.0, | 80.0, | 0.0, | 1.2); | (240.0, | 70.0, | 0.0, | 1.2); |
| (240.0, | 60.0, | 0.0, | 1.2); | (240.0, | 50.0, | 0.0, | 1.2); |
| (240.0, | 40.0, | 0.0, | 1.2); | (240.0, | 30.0, | 0.0, | 1.2); |
| (240.0, | 25.0, | 0.0, | 1.2); | (240.0, | 20.0, | 0.0, | 1.2); |
| (240.0, | 17.0, | 0.0, | 1.2); | (240.0, | 15.0, | 0.0, | 1.2); |
| (240.0, | 13.0, | 0.0, | 1.2); | (240.0, | 11.0, | 0.0, | 1.2); |
| (240.0, | 9.0, | 0.0, | 1.2); | (240.0, | -9.0, | 0.0, | 1.2); |
| (240.0, | -11.0, | 0.0, | 1.2); | (240.0, | -13.0, | 0.0, | 1.2); |
| (240.0, | -15.0, | 0.0, | 1.2); | (240.0, | -17.0, | 0.0, | 1.2); |
| (240.0, | -20.0, | 0.0, | 1.2); | (240.0, | -25.0, | 0.0, | 1.2); |
| (240.0, | -30.0, | 0.0, | 1.2); | (240.0, | -40.0, | 0.0, | 1.2); |
| (240.0, | -50.0, | 0.0, | 1.2); | (240.0, | -60.0, | 0.0, | 1.2); |
| (240.0, | -70.0, | 0.0, | 1.2); | (240.0, | -80.0, | 0.0, | 1.2); |
| (240.0, | -90.0, | 0.0, | 1.2); | (240.0, | -100.0, | 0.0, | 1.2); |
| (250.0, | 100.0, | 0.0, | 1.2); | (250.0, | 90.0, | 0.0, | 1.2); |
| (250.0, | 80.0, | 0.0, | 1.2); | (250.0, | 70.0, | 0.0, | 1.2); |
| (250.0, | 60.0, | 0.0, | 1.2); | (250.0, | 50.0, | 0.0, | 1.2); |
| (250.0, | 40.0, | 0.0, | 1.2); | (250.0, | 30.0, | 0.0, | 1.2); |
| (250.0, | 25.0, | 0.0, | 1.2); | (250.0, | 20.0, | 0.0, | 1.2); |
| (250.0, | 17.0, | 0.0, | 1.2); | (250.0, | 15.0, | 0.0, | 1.2); |
| (250.0, | 13.0, | 0.0, | 1.2); | (250.0, | 11.0, | 0.0, | 1.2); |
| (250.0, | 9.0, | 0.0, | 1.2); | (250.0, | -9.0, | 0.0, | 1.2); |
| (250.0, | -11.0, | 0.0, | 1.2); | (250.0, | -13.0, | 0.0, | 1.2); |
| (250.0, | -15.0, | 0.0, | 1.2); | (250.0, | -17.0, | 0.0, | 1.2); |
| (250.0, | -20.0, | 0.0, | 1.2); | (250.0, | -25.0, | 0.0, | 1.2); |
| (250.0, | -30.0, | 0.0, | 1.2); | (250.0, | -40.0, | 0.0, | 1.2); |
| (250.0, | -50.0, | 0.0, | 1.2); | (250.0, | -60.0, | 0.0, | 1.2); |
| (250.0, | -70.0, | 0.0, | 1.2); | (250.0, | -80.0, | 0.0, | 1.2); |
| (250.0, | -90.0, | 0.0, | 1.2); | (250.0, | -100.0, | 0.0, | 1.2); |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **MODELOPTs:
 PAGE 21

CONC URBAN FLAT FLGPOL DFAULT

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

09NCRA_PL94-300_DPM_TRAV_ANN_E-W 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) |
|----|----|----|----|-------------|-------------|----------|------------|--------------|------------------|-------------|----------------|---------|--------|---------------|
| 94 | 01 | 01 | 01 | 274.0 | 1.00 | 275.8 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 02 | 280.0 | 1.00 | 276.1 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 03 | 295.0 | 1.00 | 277.4 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 04 | 329.0 | 1.00 | 277.8 | 6 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 05 | 307.0 | 1.52 | 277.5 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 06 | 301.0 | 2.91 | 278.0 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 07 | 305.0 | 3.31 | 278.5 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 08 | 295.0 | 3.49 | 279.0 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 09 | 284.0 | 3.31 | 279.8 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 10 | 283.0 | 3.53 | 280.5 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 11 | 284.0 | 3.67 | 281.0 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 12 | 285.0 | 3.40 | 282.0 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 13 | 290.0 | 2.46 | 283.3 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 14 | 280.0 | 1.00 | 283.8 | 3 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 15 | 317.0 | 1.07 | 283.5 | 3 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 16 | 313.0 | 2.01 | 283.5 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 17 | 309.0 | 2.73 | 282.5 | 4 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 18 | 325.0 | 2.55 | 281.6 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 19 | 324.0 | 2.50 | 281.0 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 20 | 326.0 | 2.68 | 280.9 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 21 | 323.0 | 2.86 | 280.8 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 22 | 324.0 | 2.68 | 280.6 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 23 | 322.0 | 2.91 | 280.6 | 5 | 300.0 | 300.0 | 0.0000 | 0.0 | 0.0000 | 0 | 0.00 |
| 94 | 01 | 01 | 24 | 330.0 | 2.73 | 280.5 | 5 | 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
10:54:17

*** Maximum train overlap at East/West Bound Direction ***

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -250.00 | 100.00 | 0.00005 | -250.00 | 90.00 | 0.00005 |
| -250.00 | 80.00 | 0.00005 | -250.00 | 70.00 | 0.00005 |
| -250.00 | 60.00 | 0.00005 | -250.00 | 50.00 | 0.00004 |
| -250.00 | 40.00 | 0.00004 | -250.00 | 30.00 | 0.00004 |
| -250.00 | 25.00 | 0.00004 | -250.00 | 20.00 | 0.00004 |
| -250.00 | 17.00 | 0.00004 | -250.00 | 15.00 | 0.00004 |
| -250.00 | 13.00 | 0.00004 | -250.00 | 11.00 | 0.00004 |
| -250.00 | 9.00 | 0.00004 | -250.00 | -9.00 | 0.00004 |
| -250.00 | -11.00 | 0.00004 | -250.00 | -13.00 | 0.00004 |
| -250.00 | -15.00 | 0.00004 | -250.00 | -17.00 | 0.00004 |
| -250.00 | -20.00 | 0.00004 | -250.00 | -25.00 | 0.00004 |
| -250.00 | -30.00 | 0.00004 | -250.00 | -40.00 | 0.00003 |
| -250.00 | -50.00 | 0.00003 | -250.00 | -60.00 | 0.00003 |
| -250.00 | -70.00 | 0.00003 | -250.00 | -80.00 | 0.00003 |
| -250.00 | -90.00 | 0.00003 | -250.00 | -100.00 | 0.00003 |
| -240.00 | 100.00 | 0.00005 | -240.00 | 90.00 | 0.00005 |
| -240.00 | 80.00 | 0.00005 | -240.00 | 70.00 | 0.00005 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -220.00 | 13.00 | 0.00005 | -220.00 | 11.00 | 0.00005 |
| -220.00 | 9.00 | 0.00005 | -220.00 | -9.00 | 0.00004 |
| -220.00 | -11.00 | 0.00004 | -220.00 | -13.00 | 0.00004 |
| -220.00 | -15.00 | 0.00004 | -220.00 | -17.00 | 0.00004 |
| -220.00 | -20.00 | 0.00004 | -220.00 | -25.00 | 0.00004 |
| -220.00 | -30.00 | 0.00004 | -220.00 | -40.00 | 0.00004 |
| -220.00 | -50.00 | 0.00004 | -220.00 | -60.00 | 0.00004 |
| -220.00 | -70.00 | 0.00004 | -220.00 | -80.00 | 0.00003 |
| -220.00 | -90.00 | 0.00003 | -220.00 | -100.00 | 0.00003 |
| -210.00 | 100.00 | 0.00006 | -210.00 | 90.00 | 0.00006 |
| -210.00 | 80.00 | 0.00006 | -210.00 | 70.00 | 0.00006 |
| -210.00 | 60.00 | 0.00005 | -210.00 | 50.00 | 0.00005 |
| -210.00 | 40.00 | 0.00005 | -210.00 | 30.00 | 0.00005 |
| -210.00 | 25.00 | 0.00005 | -210.00 | 20.00 | 0.00005 |
| -210.00 | 17.00 | 0.00005 | -210.00 | 15.00 | 0.00005 |
| -210.00 | 13.00 | 0.00005 | -210.00 | 11.00 | 0.00005 |
| -210.00 | 9.00 | 0.00005 | -210.00 | -9.00 | 0.00005 |
| -210.00 | -11.00 | 0.00004 | -210.00 | -13.00 | 0.00004 |
| -210.00 | -15.00 | 0.00004 | -210.00 | -17.00 | 0.00004 |
| -210.00 | -20.00 | 0.00004 | -210.00 | -25.00 | 0.00004 |
| -210.00 | -30.00 | 0.00004 | -210.00 | -40.00 | 0.00004 |
| -210.00 | -50.00 | 0.00004 | -210.00 | -60.00 | 0.00004 |
| -210.00 | -70.00 | 0.00004 | -210.00 | -80.00 | 0.00004 |
| -210.00 | -90.00 | 0.00004 | -210.00 | -100.00 | 0.00004 |
| -200.00 | 100.00 | 0.00006 | -200.00 | 90.00 | 0.00006 |
| -200.00 | 80.00 | 0.00006 | -200.00 | 70.00 | 0.00006 |
| -200.00 | 60.00 | 0.00006 | -200.00 | 50.00 | 0.00006 |
| -200.00 | 40.00 | 0.00005 | -200.00 | 30.00 | 0.00005 |
| -200.00 | 25.00 | 0.00005 | -200.00 | 20.00 | 0.00005 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -200.00 | 17.00 | 0.00005 | -200.00 | 15.00 | 0.00005 |
| -200.00 | 13.00 | 0.00005 | -200.00 | 11.00 | 0.00005 |
| -200.00 | 9.00 | 0.00005 | -200.00 | -9.00 | 0.00005 |
| -200.00 | -11.00 | 0.00005 | -200.00 | -13.00 | 0.00005 |
| -200.00 | -15.00 | 0.00005 | -200.00 | -17.00 | 0.00005 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -200.00 | -20.00 | 0.00005 | -200.00 | -25.00 | 0.00004 |
| -200.00 | -30.00 | 0.00004 | -200.00 | -40.00 | 0.00004 |
| -200.00 | -50.00 | 0.00004 | -200.00 | -60.00 | 0.00004 |
| -200.00 | -70.00 | 0.00004 | -200.00 | -80.00 | 0.00004 |
| -200.00 | -90.00 | 0.00004 | -200.00 | -100.00 | 0.00004 |
| -190.00 | 100.00 | 0.00007 | -190.00 | 90.00 | 0.00007 |
| -190.00 | 80.00 | 0.00006 | -190.00 | 70.00 | 0.00006 |
| -190.00 | 60.00 | 0.00006 | -190.00 | 50.00 | 0.00006 |
| -190.00 | 40.00 | 0.00006 | -190.00 | 30.00 | 0.00006 |
| -190.00 | 25.00 | 0.00006 | -190.00 | 20.00 | 0.00005 |
| -190.00 | 17.00 | 0.00005 | -190.00 | 15.00 | 0.00005 |
| -190.00 | 13.00 | 0.00005 | -190.00 | 11.00 | 0.00005 |
| -190.00 | 9.00 | 0.00005 | -190.00 | -9.00 | 0.00005 |
| -190.00 | -11.00 | 0.00005 | -190.00 | -13.00 | 0.00005 |
| -190.00 | -15.00 | 0.00005 | -190.00 | -17.00 | 0.00005 |
| -190.00 | -20.00 | 0.00005 | -190.00 | -25.00 | 0.00005 |
| -190.00 | -30.00 | 0.00005 | -190.00 | -40.00 | 0.00004 |
| -190.00 | -50.00 | 0.00004 | -190.00 | -60.00 | 0.00004 |
| -190.00 | -70.00 | 0.00004 | -190.00 | -80.00 | 0.00004 |
| -190.00 | -90.00 | 0.00004 | -190.00 | -100.00 | 0.00004 |
| -180.00 | 100.00 | 0.00007 | -180.00 | 90.00 | 0.00007 |
| -180.00 | 80.00 | 0.00007 | -180.00 | 70.00 | 0.00007 |
| -180.00 | 60.00 | 0.00006 | -180.00 | 50.00 | 0.00006 |
| -180.00 | 40.00 | 0.00006 | -180.00 | 30.00 | 0.00006 |
| -180.00 | 25.00 | 0.00006 | -180.00 | 20.00 | 0.00006 |
| -180.00 | 17.00 | 0.00006 | -180.00 | 15.00 | 0.00006 |
| -180.00 | 13.00 | 0.00006 | -180.00 | 11.00 | 0.00006 |
| -180.00 | 9.00 | 0.00006 | -180.00 | -9.00 | 0.00005 |
| -180.00 | -11.00 | 0.00005 | -180.00 | -13.00 | 0.00005 |
| -180.00 | -15.00 | 0.00005 | -180.00 | -17.00 | 0.00005 |
| -180.00 | -20.00 | 0.00005 | -180.00 | -25.00 | 0.00005 |
| -180.00 | -30.00 | 0.00005 | -180.00 | -40.00 | 0.00005 |
| -180.00 | -50.00 | 0.00004 | -180.00 | -60.00 | 0.00004 |
| -180.00 | -70.00 | 0.00004 | -180.00 | -80.00 | 0.00004 |
| -180.00 | -90.00 | 0.00004 | -180.00 | -100.00 | 0.00004 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at East/West Bound Direction ***
 10:54:17
 **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 **

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound
CONC

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -170.00 | 100.00 | 0.00007 | -170.00 | 90.00 | 0.00007 |
| -170.00 | 80.00 | 0.00007 | -170.00 | 70.00 | 0.00007 |
| -170.00 | 60.00 | 0.00007 | -170.00 | 50.00 | 0.00007 |
| -170.00 | 40.00 | 0.00006 | -170.00 | 30.00 | 0.00006 |
| -170.00 | 25.00 | 0.00006 | -170.00 | 20.00 | 0.00006 |
| -170.00 | 17.00 | 0.00006 | -170.00 | 15.00 | 0.00006 |
| -170.00 | 13.00 | 0.00006 | -170.00 | 11.00 | 0.00006 |
| -170.00 | 9.00 | 0.00006 | -170.00 | -9.00 | 0.00006 |
| -170.00 | -11.00 | 0.00005 | -170.00 | -13.00 | 0.00005 |
| -170.00 | -15.00 | 0.00005 | -170.00 | -17.00 | 0.00005 |
| -170.00 | -20.00 | 0.00005 | -170.00 | -25.00 | 0.00005 |
| -170.00 | -30.00 | 0.00005 | -170.00 | -40.00 | 0.00005 |
| -170.00 | -50.00 | 0.00005 | -170.00 | -60.00 | 0.00005 |
| -170.00 | -70.00 | 0.00004 | -170.00 | -80.00 | 0.00004 |
| -170.00 | -90.00 | 0.00004 | -170.00 | -100.00 | 0.00004 |
| -160.00 | 100.00 | 0.00008 | -160.00 | 90.00 | 0.00008 |
| -160.00 | 80.00 | 0.00008 | -160.00 | 70.00 | 0.00007 |
| -160.00 | 60.00 | 0.00007 | -160.00 | 50.00 | 0.00007 |
| -160.00 | 40.00 | 0.00007 | -160.00 | 30.00 | 0.00007 |
| -160.00 | 25.00 | 0.00007 | -160.00 | 20.00 | 0.00006 |
| -160.00 | 17.00 | 0.00006 | -160.00 | 15.00 | 0.00006 |
| -160.00 | 13.00 | 0.00006 | -160.00 | 11.00 | 0.00006 |
| -160.00 | 9.00 | 0.00006 | -160.00 | -9.00 | 0.00006 |
| -160.00 | -11.00 | 0.00006 | -160.00 | -13.00 | 0.00006 |
| -160.00 | -15.00 | 0.00006 | -160.00 | -17.00 | 0.00006 |
| -160.00 | -20.00 | 0.00006 | -160.00 | -25.00 | 0.00005 |
| -160.00 | -30.00 | 0.00005 | -160.00 | -40.00 | 0.00005 |
| -160.00 | -50.00 | 0.00005 | -160.00 | -60.00 | 0.00005 |
| -160.00 | -70.00 | 0.00005 | -160.00 | -80.00 | 0.00005 |
| -160.00 | -90.00 | 0.00005 | -160.00 | -100.00 | 0.00005 |
| -150.00 | 100.00 | 0.00008 | -150.00 | 90.00 | 0.00008 |
| -150.00 | 80.00 | 0.00008 | -150.00 | 70.00 | 0.00008 |
| -150.00 | 60.00 | 0.00008 | -150.00 | 50.00 | 0.00007 |
| -150.00 | 40.00 | 0.00007 | -150.00 | 30.00 | 0.00007 |
| -150.00 | 25.00 | 0.00007 | -150.00 | 20.00 | 0.00007 |
| -150.00 | 17.00 | 0.00007 | -150.00 | 15.00 | 0.00007 |
| -150.00 | 13.00 | 0.00007 | -150.00 | 11.00 | 0.00007 |
| -150.00 | 9.00 | 0.00007 | -150.00 | -9.00 | 0.00006 |
| -150.00 | -11.00 | 0.00006 | -150.00 | -13.00 | 0.00006 |
| -150.00 | -15.00 | 0.00006 | -150.00 | -17.00 | 0.00006 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**MODELOPTS:

*** 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -150.00 | -20.00 | 0.00006 | -150.00 | -25.00 | 0.00006 |
| -150.00 | -30.00 | 0.00006 | -150.00 | -40.00 | 0.00005 |
| -150.00 | -50.00 | 0.00005 | -150.00 | -60.00 | 0.00005 |
| -150.00 | -70.00 | 0.00005 | -150.00 | -80.00 | 0.00005 |
| -150.00 | -90.00 | 0.00005 | -150.00 | -100.00 | 0.00005 |
| -140.00 | 100.00 | 0.00009 | -140.00 | 90.00 | 0.00009 |
| -140.00 | 80.00 | 0.00009 | -140.00 | 70.00 | 0.00008 |
| -140.00 | 60.00 | 0.00008 | -140.00 | 50.00 | 0.00008 |
| -140.00 | 40.00 | 0.00008 | -140.00 | 30.00 | 0.00007 |
| -140.00 | 25.00 | 0.00007 | -140.00 | 20.00 | 0.00007 |
| -140.00 | 17.00 | 0.00007 | -140.00 | 15.00 | 0.00007 |
| -140.00 | 13.00 | 0.00007 | -140.00 | 11.00 | 0.00007 |
| -140.00 | 9.00 | 0.00007 | -140.00 | -9.00 | 0.00006 |
| -140.00 | -11.00 | 0.00006 | -140.00 | -13.00 | 0.00006 |
| -140.00 | -15.00 | 0.00006 | -140.00 | -17.00 | 0.00006 |
| -140.00 | -20.00 | 0.00006 | -140.00 | -25.00 | 0.00006 |
| -140.00 | -30.00 | 0.00006 | -140.00 | -40.00 | 0.00006 |
| -140.00 | -50.00 | 0.00005 | -140.00 | -60.00 | 0.00005 |
| -140.00 | -70.00 | 0.00005 | -140.00 | -80.00 | 0.00005 |
| -140.00 | -90.00 | 0.00005 | -140.00 | -100.00 | 0.00005 |
| -130.00 | 100.00 | 0.00009 | -130.00 | 90.00 | 0.00009 |
| -130.00 | 80.00 | 0.00009 | -130.00 | 70.00 | 0.00009 |
| -130.00 | 60.00 | 0.00009 | -130.00 | 50.00 | 0.00008 |
| -130.00 | 40.00 | 0.00008 | -130.00 | 30.00 | 0.00008 |
| -130.00 | 25.00 | 0.00008 | -130.00 | 20.00 | 0.00008 |
| -130.00 | 17.00 | 0.00008 | -130.00 | 15.00 | 0.00008 |
| -130.00 | 13.00 | 0.00007 | -130.00 | 11.00 | 0.00007 |
| -130.00 | 9.00 | 0.00007 | -130.00 | -9.00 | 0.00007 |
| -130.00 | -11.00 | 0.00007 | -130.00 | -13.00 | 0.00007 |
| -130.00 | -15.00 | 0.00007 | -130.00 | -17.00 | 0.00007 |
| -130.00 | -20.00 | 0.00007 | -130.00 | -25.00 | 0.00006 |
| -130.00 | -30.00 | 0.00006 | -130.00 | -40.00 | 0.00006 |
| -130.00 | -50.00 | 0.00006 | -130.00 | -60.00 | 0.00006 |
| -130.00 | -70.00 | 0.00005 | -130.00 | -80.00 | 0.00005 |
| -130.00 | -90.00 | 0.00005 | -130.00 | -100.00 | 0.00005 |
| -120.00 | 100.00 | 0.00010 | -120.00 | 90.00 | 0.00010 |
| -120.00 | 80.00 | 0.00010 | -120.00 | 70.00 | 0.00010 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -100.00 | 13.00 | 0.00009 | -100.00 | 11.00 | 0.00009 |
| -100.00 | 9.00 | 0.00009 | -100.00 | -9.00 | 0.00008 |
| -100.00 | -11.00 | 0.00008 | -100.00 | -13.00 | 0.00008 |
| -100.00 | -15.00 | 0.00008 | -100.00 | -17.00 | 0.00008 |
| -100.00 | -20.00 | 0.00008 | -100.00 | -25.00 | 0.00008 |
| -100.00 | -30.00 | 0.00007 | -100.00 | -40.00 | 0.00007 |
| -100.00 | -50.00 | 0.00007 | -100.00 | -60.00 | 0.00007 |
| -100.00 | -70.00 | 0.00007 | -100.00 | -80.00 | 0.00007 |
| -100.00 | -90.00 | 0.00007 | -100.00 | -100.00 | 0.00007 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -90.00 | 100.00 | 0.00012 | -90.00 | 90.00 | 0.00012 |
| -90.00 | 80.00 | 0.00012 | -90.00 | 70.00 | 0.00012 |
| -90.00 | 60.00 | 0.00012 | -90.00 | 50.00 | 0.00011 |
| -90.00 | 40.00 | 0.00011 | -90.00 | 30.00 | 0.00010 |
| -90.00 | 25.00 | 0.00010 | -90.00 | 20.00 | 0.00010 |
| -90.00 | 17.00 | 0.00010 | -90.00 | 15.00 | 0.00010 |
| -90.00 | 13.00 | 0.00010 | -90.00 | 11.00 | 0.00010 |
| -90.00 | 9.00 | 0.00010 | -90.00 | -9.00 | 0.00009 |
| -90.00 | -11.00 | 0.00009 | -90.00 | -13.00 | 0.00009 |
| -90.00 | -15.00 | 0.00009 | -90.00 | -17.00 | 0.00008 |
| -90.00 | -20.00 | 0.00008 | -90.00 | -25.00 | 0.00008 |
| -90.00 | -30.00 | 0.00008 | -90.00 | -40.00 | 0.00008 |
| -90.00 | -50.00 | 0.00007 | -90.00 | -60.00 | 0.00007 |
| -90.00 | -70.00 | 0.00007 | -90.00 | -80.00 | 0.00007 |
| -90.00 | -90.00 | 0.00007 | -90.00 | -100.00 | 0.00007 |
| -80.00 | 100.00 | 0.00013 | -80.00 | 90.00 | 0.00013 |
| -80.00 | 80.00 | 0.00013 | -80.00 | 70.00 | 0.00013 |
| -80.00 | 60.00 | 0.00013 | -80.00 | 50.00 | 0.00012 |
| -80.00 | 40.00 | 0.00012 | -80.00 | 30.00 | 0.00011 |
| -80.00 | 25.00 | 0.00011 | -80.00 | 20.00 | 0.00011 |
| -80.00 | 17.00 | 0.00011 | -80.00 | 15.00 | 0.00011 |
| -80.00 | 13.00 | 0.00010 | -80.00 | 11.00 | 0.00010 |
| -80.00 | 9.00 | 0.00010 | -80.00 | -9.00 | 0.00009 |
| -80.00 | -11.00 | 0.00009 | -80.00 | -13.00 | 0.00009 |
| -80.00 | -15.00 | 0.00009 | -80.00 | -17.00 | 0.00009 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -80.00 | -20.00 | 0.00009 | -80.00 | -25.00 | 0.00009 |
| -80.00 | -30.00 | 0.00008 | -80.00 | -40.00 | 0.00008 |
| -80.00 | -50.00 | 0.00008 | -80.00 | -60.00 | 0.00008 |
| -80.00 | -70.00 | 0.00008 | -80.00 | -80.00 | 0.00008 |
| -80.00 | -90.00 | 0.00008 | -80.00 | -100.00 | 0.00008 |
| -70.00 | 100.00 | 0.00013 | -70.00 | 90.00 | 0.00014 |
| -70.00 | 80.00 | 0.00014 | -70.00 | 70.00 | 0.00014 |
| -70.00 | 60.00 | 0.00014 | -70.00 | 50.00 | 0.00013 |
| -70.00 | 40.00 | 0.00013 | -70.00 | 30.00 | 0.00012 |
| -70.00 | 25.00 | 0.00012 | -70.00 | 20.00 | 0.00012 |
| -70.00 | 17.00 | 0.00012 | -70.00 | 15.00 | 0.00011 |
| -70.00 | 13.00 | 0.00011 | -70.00 | 11.00 | 0.00011 |
| -70.00 | 9.00 | 0.00011 | -70.00 | -9.00 | 0.00010 |
| -70.00 | -11.00 | 0.00010 | -70.00 | -13.00 | 0.00010 |
| -70.00 | -15.00 | 0.00010 | -70.00 | -17.00 | 0.00010 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -70.00 | -20.00 | 0.00009 | -70.00 | -25.00 | 0.00009 |
| -70.00 | -30.00 | 0.00009 | -70.00 | -40.00 | 0.00009 |
| -70.00 | -50.00 | 0.00008 | -70.00 | -60.00 | 0.00008 |
| -70.00 | -70.00 | 0.00008 | -70.00 | -80.00 | 0.00008 |
| -70.00 | -90.00 | 0.00008 | -70.00 | -100.00 | 0.00008 |
| -60.00 | 100.00 | 0.00014 | -60.00 | 90.00 | 0.00015 |
| -60.00 | 80.00 | 0.00015 | -60.00 | 70.00 | 0.00015 |
| -60.00 | 60.00 | 0.00015 | -60.00 | 50.00 | 0.00014 |
| -60.00 | 40.00 | 0.00014 | -60.00 | 30.00 | 0.00013 |
| -60.00 | 25.00 | 0.00013 | -60.00 | 20.00 | 0.00013 |
| -60.00 | 17.00 | 0.00012 | -60.00 | 15.00 | 0.00012 |
| -60.00 | 13.00 | 0.00012 | -60.00 | 11.00 | 0.00012 |
| -60.00 | 9.00 | 0.00012 | -60.00 | -9.00 | 0.00011 |
| -60.00 | -11.00 | 0.00011 | -60.00 | -13.00 | 0.00011 |
| -60.00 | -15.00 | 0.00010 | -60.00 | -17.00 | 0.00010 |
| -60.00 | -20.00 | 0.00010 | -60.00 | -25.00 | 0.00010 |
| -60.00 | -30.00 | 0.00010 | -60.00 | -40.00 | 0.00009 |
| -60.00 | -50.00 | 0.00009 | -60.00 | -60.00 | 0.00009 |
| -60.00 | -70.00 | 0.00009 | -60.00 | -80.00 | 0.00009 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -60.00 | -90.00 | 0.00009 | -60.00 | -100.00 | 0.00009 |
| -50.00 | 100.00 | 0.00015 | -50.00 | 90.00 | 0.00016 |
| -50.00 | 80.00 | 0.00016 | -50.00 | 70.00 | 0.00016 |
| -50.00 | 60.00 | 0.00016 | -50.00 | 50.00 | 0.00016 |
| -50.00 | 40.00 | 0.00015 | -50.00 | 30.00 | 0.00014 |
| -50.00 | 25.00 | 0.00014 | -50.00 | 20.00 | 0.00014 |
| -50.00 | 17.00 | 0.00014 | -50.00 | 15.00 | 0.00013 |
| -50.00 | 13.00 | 0.00013 | -50.00 | 11.00 | 0.00013 |
| -50.00 | 9.00 | 0.00013 | -50.00 | -9.00 | 0.00012 |
| -50.00 | -11.00 | 0.00012 | -50.00 | -13.00 | 0.00011 |
| -50.00 | -15.00 | 0.00011 | -50.00 | -17.00 | 0.00011 |
| -50.00 | -20.00 | 0.00011 | -50.00 | -25.00 | 0.00011 |
| -50.00 | -30.00 | 0.00010 | -50.00 | -40.00 | 0.00010 |
| -50.00 | -50.00 | 0.00010 | -50.00 | -60.00 | 0.00009 |
| -50.00 | -70.00 | 0.00009 | -50.00 | -80.00 | 0.00009 |
| -50.00 | -90.00 | 0.00009 | -50.00 | -100.00 | 0.00009 |
| -40.00 | 100.00 | 0.00016 | -40.00 | 90.00 | 0.00017 |
| -40.00 | 80.00 | 0.00017 | -40.00 | 70.00 | 0.00018 |
| -40.00 | 60.00 | 0.00018 | -40.00 | 50.00 | 0.00017 |
| -40.00 | 40.00 | 0.00016 | -40.00 | 30.00 | 0.00016 |
| -40.00 | 25.00 | 0.00015 | -40.00 | 20.00 | 0.00015 |

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

10:54:17
 **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 |
| -40.00 | 17.00 | 0.00015 | -40.00 | 15.00 | 0.00015 |
| -40.00 | 13.00 | 0.00014 | -40.00 | 11.00 | 0.00014 |
| -40.00 | 9.00 | 0.00014 | -40.00 | -9.00 | 0.00013 |
| -40.00 | -11.00 | 0.00013 | -40.00 | -13.00 | 0.00012 |
| -40.00 | -15.00 | 0.00012 | -40.00 | -17.00 | 0.00012 |
| -40.00 | -20.00 | 0.00012 | -40.00 | -25.00 | 0.00011 |
| -40.00 | -30.00 | 0.00011 | -40.00 | -40.00 | 0.00011 |
| -40.00 | -50.00 | 0.00010 | -40.00 | -60.00 | 0.00010 |
| -40.00 | -70.00 | 0.00010 | -40.00 | -80.00 | 0.00010 |
| -40.00 | -90.00 | 0.00010 | -40.00 | -100.00 | 0.00010 |
| -30.00 | 100.00 | 0.00017 | -30.00 | 90.00 | 0.00018 |
| -30.00 | 80.00 | 0.00019 | -30.00 | 70.00 | 0.00019 |
| -30.00 | 60.00 | 0.00019 | -30.00 | 50.00 | 0.00019 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -30.00 | 40.00 | 0.00018 | -30.00 | 30.00 | 0.00017 |
| -30.00 | 25.00 | 0.00017 | -30.00 | 20.00 | 0.00016 |
| -30.00 | 17.00 | 0.00016 | -30.00 | 15.00 | 0.00016 |
| -30.00 | 13.00 | 0.00016 | -30.00 | 11.00 | 0.00016 |
| -30.00 | 9.00 | 0.00016 | -30.00 | -9.00 | 0.00014 |
| -30.00 | -11.00 | 0.00014 | -30.00 | -13.00 | 0.00013 |
| -30.00 | -15.00 | 0.00013 | -30.00 | -17.00 | 0.00013 |
| -30.00 | -20.00 | 0.00013 | -30.00 | -25.00 | 0.00012 |
| -30.00 | -30.00 | 0.00012 | -30.00 | -40.00 | 0.00011 |
| -30.00 | -50.00 | 0.00011 | -30.00 | -60.00 | 0.00011 |
| -30.00 | -70.00 | 0.00011 | -30.00 | -80.00 | 0.00011 |
| -30.00 | -90.00 | 0.00011 | -30.00 | -100.00 | 0.00011 |
| -20.00 | 100.00 | 0.00019 | -20.00 | 90.00 | 0.00019 |
| -20.00 | 80.00 | 0.00020 | -20.00 | 70.00 | 0.00021 |
| -20.00 | 60.00 | 0.00021 | -20.00 | 50.00 | 0.00021 |
| -20.00 | 40.00 | 0.00020 | -20.00 | 30.00 | 0.00019 |
| -20.00 | 25.00 | 0.00019 | -20.00 | 20.00 | 0.00018 |
| -20.00 | 17.00 | 0.00018 | -20.00 | 15.00 | 0.00018 |
| -20.00 | 13.00 | 0.00017 | -20.00 | 11.00 | 0.00017 |
| -20.00 | 9.00 | 0.00017 | -20.00 | -9.00 | 0.00015 |
| -20.00 | -11.00 | 0.00015 | -20.00 | -13.00 | 0.00015 |
| -20.00 | -15.00 | 0.00014 | -20.00 | -17.00 | 0.00014 |
| -20.00 | -20.00 | 0.00014 | -20.00 | -25.00 | 0.00013 |
| -20.00 | -30.00 | 0.00013 | -20.00 | -40.00 | 0.00013 |
| -20.00 | -50.00 | 0.00012 | -20.00 | -60.00 | 0.00012 |
| -20.00 | -70.00 | 0.00012 | -20.00 | -80.00 | 0.00012 |
| -20.00 | -90.00 | 0.00012 | -20.00 | -100.00 | 0.00011 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -10.00 | 100.00 | 0.00020 | -10.00 | 90.00 | 0.00021 |
| -10.00 | 80.00 | 0.00022 | -10.00 | 70.00 | 0.00023 |
| -10.00 | 60.00 | 0.00023 | -10.00 | 50.00 | 0.00023 |
| -10.00 | 40.00 | 0.00022 | -10.00 | 30.00 | 0.00021 |
| -10.00 | 25.00 | 0.00021 | -10.00 | 20.00 | 0.00020 |
| -10.00 | 17.00 | 0.00020 | -10.00 | 15.00 | 0.00020 |
| -10.00 | 13.00 | 0.00019 | -10.00 | 11.00 | 0.00019 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -10.00 | 9.00 | 0.00019 | -10.00 | -9.00 | 0.00017 |
| -10.00 | -11.00 | 0.00016 | -10.00 | -13.00 | 0.00016 |
| -10.00 | -15.00 | 0.00016 | -10.00 | -17.00 | 0.00016 |
| -10.00 | -20.00 | 0.00015 | -10.00 | -25.00 | 0.00015 |
| -10.00 | -30.00 | 0.00014 | -10.00 | -40.00 | 0.00014 |
| -10.00 | -50.00 | 0.00013 | -10.00 | -60.00 | 0.00013 |
| -10.00 | -70.00 | 0.00013 | -10.00 | -80.00 | 0.00013 |
| -10.00 | -90.00 | 0.00013 | -10.00 | -100.00 | 0.00012 |
| 0.00 | 100.00 | 0.00021 | 0.00 | 90.00 | 0.00023 |
| 0.00 | 80.00 | 0.00024 | 0.00 | 70.00 | 0.00025 |
| 0.00 | 60.00 | 0.00025 | 0.00 | 50.00 | 0.00026 |
| 0.00 | 40.00 | 0.00025 | 0.00 | 30.00 | 0.00024 |
| 0.00 | 25.00 | 0.00023 | 0.00 | 20.00 | 0.00022 |
| 0.00 | 17.00 | 0.00022 | 0.00 | 15.00 | 0.00022 |
| 0.00 | 13.00 | 0.00021 | 0.00 | 11.00 | 0.00021 |
| 0.00 | 9.00 | 0.00021 | 0.00 | -9.00 | 0.00018 |
| 0.00 | -11.00 | 0.00018 | 0.00 | -13.00 | 0.00018 |
| 0.00 | -15.00 | 0.00017 | 0.00 | -17.00 | 0.00017 |
| 0.00 | -20.00 | 0.00017 | 0.00 | -25.00 | 0.00016 |
| 0.00 | -30.00 | 0.00016 | 0.00 | -40.00 | 0.00015 |
| 0.00 | -50.00 | 0.00015 | 0.00 | -60.00 | 0.00015 |
| 0.00 | -70.00 | 0.00015 | 0.00 | -80.00 | 0.00014 |
| 0.00 | -90.00 | 0.00014 | 0.00 | -100.00 | 0.00013 |
| 10.00 | 100.00 | 0.00023 | 10.00 | 90.00 | 0.00025 |
| 10.00 | 80.00 | 0.00026 | 10.00 | 70.00 | 0.00027 |
| 10.00 | 60.00 | 0.00028 | 10.00 | 50.00 | 0.00028 |
| 10.00 | 40.00 | 0.00028 | 10.00 | 30.00 | 0.00027 |
| 10.00 | 25.00 | 0.00026 | 10.00 | 20.00 | 0.00025 |
| 10.00 | 17.00 | 0.00025 | 10.00 | 15.00 | 0.00024 |
| 10.00 | 13.00 | 0.00024 | 10.00 | 11.00 | 0.00024 |
| 10.00 | 9.00 | 0.00023 | 10.00 | -9.00 | 0.00020 |
| 10.00 | -11.00 | 0.00020 | 10.00 | -13.00 | 0.00019 |
| 10.00 | -15.00 | 0.00019 | 10.00 | -17.00 | 0.00019 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 10.00 | -20.00 | 0.00018 | 10.00 | -25.00 | 0.00018 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 10.00 | -30.00 | 0.00017 | 10.00 | -40.00 | 0.00017 |
| 10.00 | -50.00 | 0.00017 | 10.00 | -60.00 | 0.00016 |
| 10.00 | -70.00 | 0.00016 | 10.00 | -80.00 | 0.00016 |
| 10.00 | -90.00 | 0.00015 | 10.00 | -100.00 | 0.00014 |
| 20.00 | 100.00 | 0.00025 | 20.00 | 90.00 | 0.00027 |
| 20.00 | 80.00 | 0.00028 | 20.00 | 70.00 | 0.00030 |
| 20.00 | 60.00 | 0.00031 | 20.00 | 50.00 | 0.00032 |
| 20.00 | 40.00 | 0.00032 | 20.00 | 30.00 | 0.00030 |
| 20.00 | 25.00 | 0.00029 | 20.00 | 20.00 | 0.00028 |
| 20.00 | 17.00 | 0.00028 | 20.00 | 15.00 | 0.00027 |
| 20.00 | 13.00 | 0.00027 | 20.00 | 11.00 | 0.00027 |
| 20.00 | 9.00 | 0.00026 | 20.00 | -9.00 | 0.00022 |
| 20.00 | -11.00 | 0.00022 | 20.00 | -13.00 | 0.00022 |
| 20.00 | -15.00 | 0.00021 | 20.00 | -17.00 | 0.00021 |
| 20.00 | -20.00 | 0.00020 | 20.00 | -25.00 | 0.00020 |
| 20.00 | -30.00 | 0.00019 | 20.00 | -40.00 | 0.00019 |
| 20.00 | -50.00 | 0.00019 | 20.00 | -60.00 | 0.00018 |
| 20.00 | -70.00 | 0.00018 | 20.00 | -80.00 | 0.00017 |
| 20.00 | -90.00 | 0.00016 | 20.00 | -100.00 | 0.00015 |
| 30.00 | 100.00 | 0.00027 | 30.00 | 90.00 | 0.00029 |
| 30.00 | 80.00 | 0.00031 | 30.00 | 70.00 | 0.00033 |
| 30.00 | 60.00 | 0.00034 | 30.00 | 50.00 | 0.00036 |
| 30.00 | 40.00 | 0.00036 | 30.00 | 30.00 | 0.00035 |
| 30.00 | 25.00 | 0.00034 | 30.00 | 20.00 | 0.00032 |
| 30.00 | 17.00 | 0.00032 | 30.00 | 15.00 | 0.00031 |
| 30.00 | 13.00 | 0.00031 | 30.00 | 11.00 | 0.00030 |
| 30.00 | 9.00 | 0.00030 | 30.00 | -9.00 | 0.00025 |
| 30.00 | -11.00 | 0.00025 | 30.00 | -13.00 | 0.00024 |
| 30.00 | -15.00 | 0.00024 | 30.00 | -17.00 | 0.00023 |
| 30.00 | -20.00 | 0.00023 | 30.00 | -25.00 | 0.00022 |
| 30.00 | -30.00 | 0.00021 | 30.00 | -40.00 | 0.00021 |
| 30.00 | -50.00 | 0.00021 | 30.00 | -60.00 | 0.00020 |
| 30.00 | -70.00 | 0.00019 | 30.00 | -80.00 | 0.00018 |
| 30.00 | -90.00 | 0.00017 | 30.00 | -100.00 | 0.00016 |
| 40.00 | 100.00 | 0.00029 | 40.00 | 90.00 | 0.00031 |
| 40.00 | 80.00 | 0.00034 | 40.00 | 70.00 | 0.00036 |
| 40.00 | 60.00 | 0.00038 | 40.00 | 50.00 | 0.00040 |
| 40.00 | 40.00 | 0.00041 | 40.00 | 30.00 | 0.00040 |
| 40.00 | 25.00 | 0.00039 | 40.00 | 20.00 | 0.00037 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 |
| 40.00 | 17.00 | 0.00036 | 40.00 | 15.00 | 0.00036 |
| 40.00 | 13.00 | 0.00035 | 40.00 | 11.00 | 0.00035 |
| 40.00 | 9.00 | 0.00034 | 40.00 | -9.00 | 0.00028 |
| 40.00 | -11.00 | 0.00028 | 40.00 | -13.00 | 0.00027 |
| 40.00 | -15.00 | 0.00027 | 40.00 | -17.00 | 0.00026 |
| 40.00 | -20.00 | 0.00025 | 40.00 | -25.00 | 0.00025 |
| 40.00 | -30.00 | 0.00024 | 40.00 | -40.00 | 0.00024 |
| 40.00 | -50.00 | 0.00023 | 40.00 | -60.00 | 0.00023 |
| 40.00 | -70.00 | 0.00021 | 40.00 | -80.00 | 0.00020 |
| 40.00 | -90.00 | 0.00018 | 40.00 | -100.00 | 0.00017 |
| 50.00 | 100.00 | 0.00031 | 50.00 | 90.00 | 0.00034 |
| 50.00 | 80.00 | 0.00037 | 50.00 | 70.00 | 0.00040 |
| 50.00 | 60.00 | 0.00043 | 50.00 | 50.00 | 0.00045 |
| 50.00 | 40.00 | 0.00047 | 50.00 | 30.00 | 0.00046 |
| 50.00 | 25.00 | 0.00045 | 50.00 | 20.00 | 0.00043 |
| 50.00 | 17.00 | 0.00042 | 50.00 | 15.00 | 0.00042 |
| 50.00 | 13.00 | 0.00041 | 50.00 | 11.00 | 0.00040 |
| 50.00 | 9.00 | 0.00039 | 50.00 | -9.00 | 0.00032 |
| 50.00 | -11.00 | 0.00031 | 50.00 | -13.00 | 0.00031 |
| 50.00 | -15.00 | 0.00030 | 50.00 | -17.00 | 0.00029 |
| 50.00 | -20.00 | 0.00029 | 50.00 | -25.00 | 0.00028 |
| 50.00 | -30.00 | 0.00027 | 50.00 | -40.00 | 0.00027 |
| 50.00 | -50.00 | 0.00026 | 50.00 | -60.00 | 0.00025 |
| 50.00 | -70.00 | 0.00023 | 50.00 | -80.00 | 0.00021 |
| 50.00 | -90.00 | 0.00020 | 50.00 | -100.00 | 0.00018 |
| 60.00 | 100.00 | 0.00034 | 60.00 | 90.00 | 0.00037 |
| 60.00 | 80.00 | 0.00040 | 60.00 | 70.00 | 0.00044 |
| 60.00 | 60.00 | 0.00048 | 60.00 | 50.00 | 0.00051 |
| 60.00 | 40.00 | 0.00054 | 60.00 | 30.00 | 0.00054 |
| 60.00 | 25.00 | 0.00053 | 60.00 | 20.00 | 0.00051 |
| 60.00 | 17.00 | 0.00050 | 60.00 | 15.00 | 0.00049 |
| 60.00 | 13.00 | 0.00048 | 60.00 | 11.00 | 0.00047 |
| 60.00 | 9.00 | 0.00046 | 60.00 | -9.00 | 0.00037 |
| 60.00 | -11.00 | 0.00036 | 60.00 | -13.00 | 0.00035 |
| 60.00 | -15.00 | 0.00034 | 60.00 | -17.00 | 0.00033 |
| 60.00 | -20.00 | 0.00033 | 60.00 | -25.00 | 0.00032 |
| 60.00 | -30.00 | 0.00031 | 60.00 | -40.00 | 0.00031 |
| 60.00 | -50.00 | 0.00030 | 60.00 | -60.00 | 0.00028 |
| 60.00 | -70.00 | 0.00026 | 60.00 | -80.00 | 0.00023 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

60.00 -90.00 0.00021 60.00 -100.00 0.00019

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

10:54:17

**MODELOPTs:
 PAGE 35

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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 70.00 | 100.00 | 0.00036 | 70.00 | 90.00 | 0.00040 |
| 70.00 | 80.00 | 0.00044 | 70.00 | 70.00 | 0.00049 |
| 70.00 | 60.00 | 0.00054 | 70.00 | 50.00 | 0.00058 |
| 70.00 | 40.00 | 0.00062 | 70.00 | 30.00 | 0.00064 |
| 70.00 | 25.00 | 0.00063 | 70.00 | 20.00 | 0.00061 |
| 70.00 | 17.00 | 0.00059 | 70.00 | 15.00 | 0.00058 |
| 70.00 | 13.00 | 0.00057 | 70.00 | 11.00 | 0.00056 |
| 70.00 | 9.00 | 0.00054 | 70.00 | -9.00 | 0.00042 |
| 70.00 | -11.00 | 0.00041 | 70.00 | -13.00 | 0.00040 |
| 70.00 | -15.00 | 0.00039 | 70.00 | -17.00 | 0.00038 |
| 70.00 | -20.00 | 0.00038 | 70.00 | -25.00 | 0.00037 |
| 70.00 | -30.00 | 0.00037 | 70.00 | -40.00 | 0.00036 |
| 70.00 | -50.00 | 0.00033 | 70.00 | -60.00 | 0.00031 |
| 70.00 | -70.00 | 0.00028 | 70.00 | -80.00 | 0.00025 |
| 70.00 | -90.00 | 0.00023 | 70.00 | -100.00 | 0.00021 |
| 80.00 | 100.00 | 0.00038 | 80.00 | 90.00 | 0.00043 |
| 80.00 | 80.00 | 0.00048 | 80.00 | 70.00 | 0.00054 |
| 80.00 | 60.00 | 0.00060 | 80.00 | 50.00 | 0.00066 |
| 80.00 | 40.00 | 0.00072 | 80.00 | 30.00 | 0.00075 |
| 80.00 | 25.00 | 0.00075 | 80.00 | 20.00 | 0.00074 |
| 80.00 | 17.00 | 0.00072 | 80.00 | 15.00 | 0.00071 |
| 80.00 | 13.00 | 0.00069 | 80.00 | 11.00 | 0.00067 |
| 80.00 | 9.00 | 0.00065 | 80.00 | -9.00 | 0.00049 |
| 80.00 | -11.00 | 0.00048 | 80.00 | -13.00 | 0.00046 |
| 80.00 | -15.00 | 0.00045 | 80.00 | -17.00 | 0.00045 |
| 80.00 | -20.00 | 0.00044 | 80.00 | -25.00 | 0.00043 |
| 80.00 | -30.00 | 0.00043 | 80.00 | -40.00 | 0.00041 |
| 80.00 | -50.00 | 0.00038 | 80.00 | -60.00 | 0.00034 |
| 80.00 | -70.00 | 0.00030 | 80.00 | -80.00 | 0.00027 |
| 80.00 | -90.00 | 0.00025 | 80.00 | -100.00 | 0.00022 |
| 90.00 | 100.00 | 0.00039 | 90.00 | 90.00 | 0.00045 |
| 90.00 | 80.00 | 0.00052 | 90.00 | 70.00 | 0.00059 |
| 90.00 | 60.00 | 0.00067 | 90.00 | 50.00 | 0.00076 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|--------|---------|
| 90.00 | 40.00 | 0.00084 | 90.00 | 30.00 | 0.00089 |
| 90.00 | 25.00 | 0.00091 | 90.00 | 20.00 | 0.00090 |
| 90.00 | 17.00 | 0.00088 | 90.00 | 15.00 | 0.00087 |
| 90.00 | 13.00 | 0.00085 | 90.00 | 11.00 | 0.00083 |
| 90.00 | 9.00 | 0.00080 | 90.00 | -9.00 | 0.00057 |
| 90.00 | -11.00 | 0.00056 | 90.00 | -13.00 | 0.00054 |
| 90.00 | -15.00 | 0.00053 | 90.00 | -17.00 | 0.00053 |

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

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 90.00 | -20.00 | 0.00052 | 90.00 | -25.00 | 0.00051 |
| 90.00 | -30.00 | 0.00050 | 90.00 | -40.00 | 0.00046 |
| 90.00 | -50.00 | 0.00042 | 90.00 | -60.00 | 0.00037 |
| 90.00 | -70.00 | 0.00033 | 90.00 | -80.00 | 0.00030 |
| 90.00 | -90.00 | 0.00027 | 90.00 | -100.00 | 0.00025 |
| 100.00 | 100.00 | 0.00040 | 100.00 | 90.00 | 0.00046 |
| 100.00 | 80.00 | 0.00054 | 100.00 | 70.00 | 0.00063 |
| 100.00 | 60.00 | 0.00074 | 100.00 | 50.00 | 0.00086 |
| 100.00 | 40.00 | 0.00097 | 100.00 | 30.00 | 0.00107 |
| 100.00 | 25.00 | 0.00110 | 100.00 | 20.00 | 0.00111 |
| 100.00 | 17.00 | 0.00110 | 100.00 | 15.00 | 0.00108 |
| 100.00 | 13.00 | 0.00106 | 100.00 | 11.00 | 0.00103 |
| 100.00 | 9.00 | 0.00100 | 100.00 | -9.00 | 0.00068 |
| 100.00 | -11.00 | 0.00066 | 100.00 | -13.00 | 0.00064 |
| 100.00 | -15.00 | 0.00064 | 100.00 | -17.00 | 0.00063 |
| 100.00 | -20.00 | 0.00062 | 100.00 | -25.00 | 0.00060 |
| 100.00 | -30.00 | 0.00058 | 100.00 | -40.00 | 0.00053 |
| 100.00 | -50.00 | 0.00047 | 100.00 | -60.00 | 0.00042 |
| 100.00 | -70.00 | 0.00037 | 100.00 | -80.00 | 0.00033 |
| 100.00 | -90.00 | 0.00030 | 100.00 | -100.00 | 0.00028 |
| 110.00 | 100.00 | 0.00039 | 110.00 | 90.00 | 0.00047 |
| 110.00 | 80.00 | 0.00056 | 110.00 | 70.00 | 0.00066 |
| 110.00 | 60.00 | 0.00079 | 110.00 | 50.00 | 0.00095 |
| 110.00 | 40.00 | 0.00112 | 110.00 | 30.00 | 0.00128 |
| 110.00 | 25.00 | 0.00134 | 110.00 | 20.00 | 0.00138 |
| 110.00 | 17.00 | 0.00138 | 110.00 | 15.00 | 0.00137 |
| 110.00 | 13.00 | 0.00135 | 110.00 | 11.00 | 0.00132 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 110.00 | 9.00 | 0.00128 | 110.00 | -9.00 | 0.00081 |
| 110.00 | -11.00 | 0.00079 | 110.00 | -13.00 | 0.00077 |
| 110.00 | -15.00 | 0.00076 | 110.00 | -17.00 | 0.00075 |
| 110.00 | -20.00 | 0.00073 | 110.00 | -25.00 | 0.00070 |
| 110.00 | -30.00 | 0.00067 | 110.00 | -40.00 | 0.00060 |
| 110.00 | -50.00 | 0.00053 | 110.00 | -60.00 | 0.00047 |
| 110.00 | -70.00 | 0.00042 | 110.00 | -80.00 | 0.00038 |
| 110.00 | -90.00 | 0.00034 | 110.00 | -100.00 | 0.00031 |
| 120.00 | 100.00 | 0.00038 | 120.00 | 90.00 | 0.00046 |
| 120.00 | 80.00 | 0.00055 | 120.00 | 70.00 | 0.00067 |
| 120.00 | 60.00 | 0.00082 | 120.00 | 50.00 | 0.00101 |
| 120.00 | 40.00 | 0.00124 | 120.00 | 30.00 | 0.00150 |
| 120.00 | 25.00 | 0.00162 | 120.00 | 20.00 | 0.00171 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 120.00 | 17.00 | 0.00175 | 120.00 | 15.00 | 0.00176 |
| 120.00 | 13.00 | 0.00175 | 120.00 | 11.00 | 0.00173 |
| 120.00 | 9.00 | 0.00169 | 120.00 | -9.00 | 0.00098 |
| 120.00 | -11.00 | 0.00095 | 120.00 | -13.00 | 0.00093 |
| 120.00 | -15.00 | 0.00091 | 120.00 | -17.00 | 0.00089 |
| 120.00 | -20.00 | 0.00086 | 120.00 | -25.00 | 0.00082 |
| 120.00 | -30.00 | 0.00078 | 120.00 | -40.00 | 0.00070 |
| 120.00 | -50.00 | 0.00062 | 120.00 | -60.00 | 0.00055 |
| 120.00 | -70.00 | 0.00048 | 120.00 | -80.00 | 0.00043 |
| 120.00 | -90.00 | 0.00039 | 120.00 | -100.00 | 0.00035 |
| 130.00 | 100.00 | 0.00037 | 130.00 | 90.00 | 0.00044 |
| 130.00 | 80.00 | 0.00054 | 130.00 | 70.00 | 0.00066 |
| 130.00 | 60.00 | 0.00082 | 130.00 | 50.00 | 0.00103 |
| 130.00 | 40.00 | 0.00129 | 130.00 | 30.00 | 0.00163 |
| 130.00 | 25.00 | 0.00182 | 130.00 | 20.00 | 0.00201 |
| 130.00 | 17.00 | 0.00212 | 130.00 | 15.00 | 0.00218 |
| 130.00 | 13.00 | 0.00224 | 130.00 | 11.00 | 0.00228 |
| 130.00 | 9.00 | 0.00230 | 130.00 | -9.00 | 0.00121 |
| 130.00 | -11.00 | 0.00117 | 130.00 | -13.00 | 0.00113 |
| 130.00 | -15.00 | 0.00110 | 130.00 | -17.00 | 0.00108 |
| 130.00 | -20.00 | 0.00104 | 130.00 | -25.00 | 0.00099 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 130.00 | -30.00 | 0.00094 | 130.00 | -40.00 | 0.00084 |
| 130.00 | -50.00 | 0.00074 | 130.00 | -60.00 | 0.00065 |
| 130.00 | -70.00 | 0.00057 | 130.00 | -80.00 | 0.00050 |
| 130.00 | -90.00 | 0.00045 | 130.00 | -100.00 | 0.00040 |
| 140.00 | 100.00 | 0.00034 | 140.00 | 90.00 | 0.00042 |
| 140.00 | 80.00 | 0.00051 | 140.00 | 70.00 | 0.00064 |
| 140.00 | 60.00 | 0.00080 | 140.00 | 50.00 | 0.00101 |
| 140.00 | 40.00 | 0.00130 | 140.00 | 30.00 | 0.00166 |
| 140.00 | 25.00 | 0.00189 | 140.00 | 20.00 | 0.00212 |
| 140.00 | 17.00 | 0.00226 | 140.00 | 15.00 | 0.00235 |
| 140.00 | 13.00 | 0.00244 | 140.00 | 11.00 | 0.00255 |
| 140.00 | 9.00 | 0.00266 | 140.00 | -9.00 | 0.00229 |
| 140.00 | -11.00 | 0.00201 | 140.00 | -13.00 | 0.00183 |
| 140.00 | -15.00 | 0.00172 | 140.00 | -17.00 | 0.00163 |
| 140.00 | -20.00 | 0.00153 | 140.00 | -25.00 | 0.00140 |
| 140.00 | -30.00 | 0.00130 | 140.00 | -40.00 | 0.00111 |
| 140.00 | -50.00 | 0.00095 | 140.00 | -60.00 | 0.00081 |
| 140.00 | -70.00 | 0.00070 | 140.00 | -80.00 | 0.00061 |
| 140.00 | -90.00 | 0.00054 | 140.00 | -100.00 | 0.00048 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 150.00 | 100.00 | 0.00031 | 150.00 | 90.00 | 0.00038 |
| 150.00 | 80.00 | 0.00048 | 150.00 | 70.00 | 0.00060 |
| 150.00 | 60.00 | 0.00076 | 150.00 | 50.00 | 0.00098 |
| 150.00 | 40.00 | 0.00127 | 150.00 | 30.00 | 0.00165 |
| 150.00 | 25.00 | 0.00190 | 150.00 | 20.00 | 0.00217 |
| 150.00 | 17.00 | 0.00233 | 150.00 | 15.00 | 0.00245 |
| 150.00 | 13.00 | 0.00256 | 150.00 | 11.00 | 0.00270 |
| 150.00 | 9.00 | 0.00287 | 150.00 | -9.00 | 0.00485 |
| 150.00 | -11.00 | 0.00427 | 150.00 | -13.00 | 0.00379 |
| 150.00 | -15.00 | 0.00341 | 150.00 | -17.00 | 0.00309 |
| 150.00 | -20.00 | 0.00271 | 150.00 | -25.00 | 0.00227 |
| 150.00 | -30.00 | 0.00196 | 150.00 | -40.00 | 0.00154 |
| 150.00 | -50.00 | 0.00126 | 150.00 | -60.00 | 0.00105 |
| 150.00 | -70.00 | 0.00089 | 150.00 | -80.00 | 0.00076 |
| 150.00 | -90.00 | 0.00066 | 150.00 | -100.00 | 0.00058 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 160.00 | 100.00 | 0.00028 | 160.00 | 90.00 | 0.00034 |
| 160.00 | 80.00 | 0.00043 | 160.00 | 70.00 | 0.00055 |
| 160.00 | 60.00 | 0.00070 | 160.00 | 50.00 | 0.00092 |
| 160.00 | 40.00 | 0.00121 | 160.00 | 30.00 | 0.00162 |
| 160.00 | 25.00 | 0.00187 | 160.00 | 20.00 | 0.00217 |
| 160.00 | 17.00 | 0.00237 | 160.00 | 15.00 | 0.00252 |
| 160.00 | 13.00 | 0.00268 | 160.00 | 11.00 | 0.00287 |
| 160.00 | 9.00 | 0.00312 | 160.00 | -9.00 | 0.00663 |
| 160.00 | -11.00 | 0.00610 | 160.00 | -13.00 | 0.00563 |
| 160.00 | -15.00 | 0.00519 | 160.00 | -17.00 | 0.00479 |
| 160.00 | -20.00 | 0.00426 | 160.00 | -25.00 | 0.00353 |
| 160.00 | -30.00 | 0.00296 | 160.00 | -40.00 | 0.00219 |
| 160.00 | -50.00 | 0.00169 | 160.00 | -60.00 | 0.00135 |
| 160.00 | -70.00 | 0.00111 | 160.00 | -80.00 | 0.00094 |
| 160.00 | -90.00 | 0.00080 | 160.00 | -100.00 | 0.00069 |
| 170.00 | 100.00 | 0.00025 | 170.00 | 90.00 | 0.00030 |
| 170.00 | 80.00 | 0.00038 | 170.00 | 70.00 | 0.00049 |
| 170.00 | 60.00 | 0.00064 | 170.00 | 50.00 | 0.00085 |
| 170.00 | 40.00 | 0.00114 | 170.00 | 30.00 | 0.00155 |
| 170.00 | 25.00 | 0.00182 | 170.00 | 20.00 | 0.00214 |
| 170.00 | 17.00 | 0.00238 | 170.00 | 15.00 | 0.00256 |
| 170.00 | 13.00 | 0.00277 | 170.00 | 11.00 | 0.00301 |
| 170.00 | 9.00 | 0.00332 | 170.00 | -9.00 | 0.00772 |
| 170.00 | -11.00 | 0.00727 | 170.00 | -13.00 | 0.00685 |
| 170.00 | -15.00 | 0.00645 | 170.00 | -17.00 | 0.00607 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 170.00 | -20.00 | 0.00553 | 170.00 | -25.00 | 0.00471 |
| 170.00 | -30.00 | 0.00400 | 170.00 | -40.00 | 0.00294 |
| 170.00 | -50.00 | 0.00223 | 170.00 | -60.00 | 0.00174 |
| 170.00 | -70.00 | 0.00139 | 170.00 | -80.00 | 0.00114 |
| 170.00 | -90.00 | 0.00095 | 170.00 | -100.00 | 0.00081 |
| 180.00 | 100.00 | 0.00022 | 180.00 | 90.00 | 0.00027 |
| 180.00 | 80.00 | 0.00033 | 180.00 | 70.00 | 0.00043 |
| 180.00 | 60.00 | 0.00056 | 180.00 | 50.00 | 0.00075 |
| 180.00 | 40.00 | 0.00103 | 180.00 | 30.00 | 0.00144 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 180.00 | 25.00 | 0.00172 | 180.00 | 20.00 | 0.00208 |
| 180.00 | 17.00 | 0.00235 | 180.00 | 15.00 | 0.00255 |
| 180.00 | 13.00 | 0.00279 | 180.00 | 11.00 | 0.00307 |
| 180.00 | 9.00 | 0.00343 | 180.00 | -9.00 | 0.00840 |
| 180.00 | -11.00 | 0.00799 | 180.00 | -13.00 | 0.00762 |
| 180.00 | -15.00 | 0.00726 | 180.00 | -17.00 | 0.00691 |
| 180.00 | -20.00 | 0.00641 | 180.00 | -25.00 | 0.00560 |
| 180.00 | -30.00 | 0.00487 | 180.00 | -40.00 | 0.00367 |
| 180.00 | -50.00 | 0.00280 | 180.00 | -60.00 | 0.00217 |
| 180.00 | -70.00 | 0.00172 | 180.00 | -80.00 | 0.00138 |
| 180.00 | -90.00 | 0.00114 | 180.00 | -100.00 | 0.00095 |
| 190.00 | 100.00 | 0.00019 | 190.00 | 90.00 | 0.00023 |
| 190.00 | 80.00 | 0.00029 | 190.00 | 70.00 | 0.00037 |
| 190.00 | 60.00 | 0.00048 | 190.00 | 50.00 | 0.00064 |
| 190.00 | 40.00 | 0.00089 | 190.00 | 30.00 | 0.00129 |
| 190.00 | 25.00 | 0.00158 | 190.00 | 20.00 | 0.00196 |
| 190.00 | 17.00 | 0.00225 | 190.00 | 15.00 | 0.00247 |
| 190.00 | 13.00 | 0.00273 | 190.00 | 11.00 | 0.00304 |
| 190.00 | 9.00 | 0.00342 | 190.00 | -9.00 | 0.00884 |
| 190.00 | -11.00 | 0.00845 | 190.00 | -13.00 | 0.00811 |
| 190.00 | -15.00 | 0.00778 | 190.00 | -17.00 | 0.00746 |
| 190.00 | -20.00 | 0.00698 | 190.00 | -25.00 | 0.00623 |
| 190.00 | -30.00 | 0.00552 | 190.00 | -40.00 | 0.00429 |
| 190.00 | -50.00 | 0.00332 | 190.00 | -60.00 | 0.00259 |
| 190.00 | -70.00 | 0.00204 | 190.00 | -80.00 | 0.00164 |
| 190.00 | -90.00 | 0.00133 | 190.00 | -100.00 | 0.00110 |
| 200.00 | 100.00 | 0.00017 | 200.00 | 90.00 | 0.00021 |
| 200.00 | 80.00 | 0.00025 | 200.00 | 70.00 | 0.00031 |
| 200.00 | 60.00 | 0.00040 | 200.00 | 50.00 | 0.00053 |
| 200.00 | 40.00 | 0.00074 | 200.00 | 30.00 | 0.00110 |
| 200.00 | 25.00 | 0.00138 | 200.00 | 20.00 | 0.00176 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 200.00 | 17.00 | 0.00205 | 200.00 | 15.00 | 0.00229 |
| 200.00 | 13.00 | 0.00256 | 200.00 | 11.00 | 0.00288 |
| 200.00 | 9.00 | 0.00329 | 200.00 | -9.00 | 0.00909 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 200.00 | -11.00 | 0.00871 | 200.00 | -13.00 | 0.00840 |
| 200.00 | -15.00 | 0.00809 | 200.00 | -17.00 | 0.00779 |
| 200.00 | -20.00 | 0.00735 | 200.00 | -25.00 | 0.00664 |
| 200.00 | -30.00 | 0.00598 | 200.00 | -40.00 | 0.00476 |
| 200.00 | -50.00 | 0.00375 | 200.00 | -60.00 | 0.00296 |
| 200.00 | -70.00 | 0.00235 | 200.00 | -80.00 | 0.00189 |
| 200.00 | -90.00 | 0.00154 | 200.00 | -100.00 | 0.00127 |
| 210.00 | 100.00 | 0.00016 | 210.00 | 90.00 | 0.00018 |
| 210.00 | 80.00 | 0.00022 | 210.00 | 70.00 | 0.00027 |
| 210.00 | 60.00 | 0.00034 | 210.00 | 50.00 | 0.00044 |
| 210.00 | 40.00 | 0.00060 | 210.00 | 30.00 | 0.00089 |
| 210.00 | 25.00 | 0.00112 | 210.00 | 20.00 | 0.00147 |
| 210.00 | 17.00 | 0.00174 | 210.00 | 15.00 | 0.00197 |
| 210.00 | 13.00 | 0.00224 | 210.00 | 11.00 | 0.00257 |
| 210.00 | 9.00 | 0.00299 | 210.00 | -9.00 | 0.00919 |
| 210.00 | -11.00 | 0.00883 | 210.00 | -13.00 | 0.00853 |
| 210.00 | -15.00 | 0.00826 | 210.00 | -17.00 | 0.00799 |
| 210.00 | -20.00 | 0.00758 | 210.00 | -25.00 | 0.00691 |
| 210.00 | -30.00 | 0.00627 | 210.00 | -40.00 | 0.00509 |
| 210.00 | -50.00 | 0.00408 | 210.00 | -60.00 | 0.00326 |
| 210.00 | -70.00 | 0.00262 | 210.00 | -80.00 | 0.00212 |
| 210.00 | -90.00 | 0.00173 | 210.00 | -100.00 | 0.00143 |
| 220.00 | 100.00 | 0.00014 | 220.00 | 90.00 | 0.00017 |
| 220.00 | 80.00 | 0.00020 | 220.00 | 70.00 | 0.00024 |
| 220.00 | 60.00 | 0.00030 | 220.00 | 50.00 | 0.00038 |
| 220.00 | 40.00 | 0.00051 | 220.00 | 30.00 | 0.00074 |
| 220.00 | 25.00 | 0.00093 | 220.00 | 20.00 | 0.00119 |
| 220.00 | 17.00 | 0.00141 | 220.00 | 15.00 | 0.00159 |
| 220.00 | 13.00 | 0.00181 | 220.00 | 11.00 | 0.00209 |
| 220.00 | 9.00 | 0.00247 | 220.00 | -9.00 | 0.00918 |
| 220.00 | -11.00 | 0.00885 | 220.00 | -13.00 | 0.00854 |
| 220.00 | -15.00 | 0.00829 | 220.00 | -17.00 | 0.00804 |
| 220.00 | -20.00 | 0.00766 | 220.00 | -25.00 | 0.00702 |
| 220.00 | -30.00 | 0.00640 | 220.00 | -40.00 | 0.00527 |
| 220.00 | -50.00 | 0.00429 | 220.00 | -60.00 | 0.00348 |
| 220.00 | -70.00 | 0.00282 | 220.00 | -80.00 | 0.00230 |
| 220.00 | -90.00 | 0.00189 | 220.00 | -100.00 | 0.00157 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 ,

09NCRA_PL94-300_DPM_TRAV_ANN_E-W_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 | |
| 230.00 | 100.00 | 0.00013 | 230.00 | 90.00 | 0.00015 | |
| 230.00 | 80.00 | 0.00018 | 230.00 | 70.00 | 0.00022 | |
| 230.00 | 60.00 | 0.00027 | 230.00 | 50.00 | 0.00034 | |
| 230.00 | 40.00 | 0.00047 | 230.00 | 30.00 | 0.00068 | |
| 230.00 | 25.00 | 0.00084 | 230.00 | 20.00 | 0.00108 | |
| 230.00 | 17.00 | 0.00127 | 230.00 | 15.00 | 0.00143 | |
| 230.00 | 13.00 | 0.00162 | 230.00 | 11.00 | 0.00186 | |
| 230.00 | 9.00 | 0.00216 | 230.00 | -9.00 | 0.00818 | |
| 230.00 | -11.00 | 0.00816 | 230.00 | -13.00 | 0.00802 | |
| 230.00 | -15.00 | 0.00784 | 230.00 | -17.00 | 0.00766 | |
| 230.00 | -20.00 | 0.00736 | 230.00 | -25.00 | 0.00682 | |
| 230.00 | -30.00 | 0.00627 | 230.00 | -40.00 | 0.00525 | |
| 230.00 | -50.00 | 0.00434 | 230.00 | -60.00 | 0.00357 | |
| 230.00 | -70.00 | 0.00294 | 230.00 | -80.00 | 0.00242 | |
| 230.00 | -90.00 | 0.00201 | 230.00 | -100.00 | 0.00167 | |
| 240.00 | 100.00 | 0.00012 | 240.00 | 90.00 | 0.00014 | |
| 240.00 | 80.00 | 0.00017 | 240.00 | 70.00 | 0.00020 | |
| 240.00 | 60.00 | 0.00025 | 240.00 | 50.00 | 0.00032 | |
| 240.00 | 40.00 | 0.00044 | 240.00 | 30.00 | 0.00064 | |
| 240.00 | 25.00 | 0.00079 | 240.00 | 20.00 | 0.00100 | |
| 240.00 | 17.00 | 0.00118 | 240.00 | 15.00 | 0.00132 | |
| 240.00 | 13.00 | 0.00150 | 240.00 | 11.00 | 0.00171 | |
| 240.00 | 9.00 | 0.00196 | 240.00 | -9.00 | 0.00565 | |
| 240.00 | -11.00 | 0.00594 | 240.00 | -13.00 | 0.00614 | |
| 240.00 | -15.00 | 0.00628 | 240.00 | -17.00 | 0.00633 | |
| 240.00 | -20.00 | 0.00632 | 240.00 | -25.00 | 0.00611 | |
| 240.00 | -30.00 | 0.00577 | 240.00 | -40.00 | 0.00500 | |
| 240.00 | -50.00 | 0.00423 | 240.00 | -60.00 | 0.00355 | |
| 240.00 | -70.00 | 0.00297 | 240.00 | -80.00 | 0.00248 | |
| 240.00 | -90.00 | 0.00207 | 240.00 | -100.00 | 0.00175 | |
| 250.00 | 100.00 | 0.00012 | 250.00 | 90.00 | 0.00014 | |
| 250.00 | 80.00 | 0.00016 | 250.00 | 70.00 | 0.00019 | |
| 250.00 | 60.00 | 0.00024 | 250.00 | 50.00 | 0.00030 | |
| 250.00 | 40.00 | 0.00041 | 250.00 | 30.00 | 0.00059 | |
| 250.00 | 25.00 | 0.00074 | 250.00 | 20.00 | 0.00093 | |
| 250.00 | 17.00 | 0.00109 | 250.00 | 15.00 | 0.00121 | |
| 250.00 | 13.00 | 0.00134 | 250.00 | 11.00 | 0.00150 | |
| 250.00 | 9.00 | 0.00168 | 250.00 | -9.00 | 0.00392 | |
| 250.00 | -11.00 | 0.00415 | 250.00 | -13.00 | 0.00436 | |
| 250.00 | -15.00 | 0.00454 | 250.00 | -17.00 | 0.00469 | |

04/20/08

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 250.00 | -20.00 | 0.00485 | 250.00 | -25.00 | 0.00495 |
| 250.00 | -30.00 | 0.00488 | 250.00 | -40.00 | 0.00449 |
| 250.00 | -50.00 | 0.00396 | 250.00 | -60.00 | 0.00341 |
| 250.00 | -70.00 | 0.00291 | 250.00 | -80.00 | 0.00248 |
| 250.00 | -90.00 | 0.00210 | 250.00 | -100.00 | 0.00179 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -250.00 | 100.00 | 0.00008 | -250.00 | 90.00 | 0.00008 |
| -250.00 | 80.00 | 0.00008 | -250.00 | 70.00 | 0.00007 |
| -250.00 | 60.00 | 0.00007 | -250.00 | 50.00 | 0.00007 |
| -250.00 | 40.00 | 0.00007 | -250.00 | 30.00 | 0.00007 |
| -250.00 | 25.00 | 0.00007 | -250.00 | 20.00 | 0.00006 |
| -250.00 | 17.00 | 0.00006 | -250.00 | 15.00 | 0.00006 |
| -250.00 | 13.00 | 0.00006 | -250.00 | 11.00 | 0.00006 |
| -250.00 | 9.00 | 0.00006 | -250.00 | -9.00 | 0.00006 |
| -250.00 | -11.00 | 0.00006 | -250.00 | -13.00 | 0.00006 |
| -250.00 | -15.00 | 0.00006 | -250.00 | -17.00 | 0.00006 |
| -250.00 | -20.00 | 0.00006 | -250.00 | -25.00 | 0.00005 |
| -250.00 | -30.00 | 0.00005 | -250.00 | -40.00 | 0.00005 |
| -250.00 | -50.00 | 0.00005 | -250.00 | -60.00 | 0.00005 |
| -250.00 | -70.00 | 0.00005 | -250.00 | -80.00 | 0.00005 |
| -250.00 | -90.00 | 0.00005 | -250.00 | -100.00 | 0.00005 |
| -240.00 | 100.00 | 0.00008 | -240.00 | 90.00 | 0.00008 |
| -240.00 | 80.00 | 0.00008 | -240.00 | 70.00 | 0.00008 |
| -240.00 | 60.00 | 0.00008 | -240.00 | 50.00 | 0.00007 |
| -240.00 | 40.00 | 0.00007 | -240.00 | 30.00 | 0.00007 |
| -240.00 | 25.00 | 0.00007 | -240.00 | 20.00 | 0.00007 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -240.00 | 17.00 | 0.00007 | -240.00 | 15.00 | 0.00007 |
| -240.00 | 13.00 | 0.00007 | -240.00 | 11.00 | 0.00007 |
| -240.00 | 9.00 | 0.00007 | -240.00 | -9.00 | 0.00006 |
| -240.00 | -11.00 | 0.00006 | -240.00 | -13.00 | 0.00006 |
| -240.00 | -15.00 | 0.00006 | -240.00 | -17.00 | 0.00006 |
| -240.00 | -20.00 | 0.00006 | -240.00 | -25.00 | 0.00006 |
| -240.00 | -30.00 | 0.00006 | -240.00 | -40.00 | 0.00005 |
| -240.00 | -50.00 | 0.00005 | -240.00 | -60.00 | 0.00005 |
| -240.00 | -70.00 | 0.00005 | -240.00 | -80.00 | 0.00005 |
| -240.00 | -90.00 | 0.00005 | -240.00 | -100.00 | 0.00005 |
| -230.00 | 100.00 | 0.00009 | -230.00 | 90.00 | 0.00009 |
| -230.00 | 80.00 | 0.00009 | -230.00 | 70.00 | 0.00008 |
| -230.00 | 60.00 | 0.00008 | -230.00 | 50.00 | 0.00008 |
| -230.00 | 40.00 | 0.00008 | -230.00 | 30.00 | 0.00007 |
| -230.00 | 25.00 | 0.00007 | -230.00 | 20.00 | 0.00007 |
| -230.00 | 17.00 | 0.00007 | -230.00 | 15.00 | 0.00007 |
| -230.00 | 13.00 | 0.00007 | -230.00 | 11.00 | 0.00007 |
| -230.00 | 9.00 | 0.00007 | -230.00 | -9.00 | 0.00006 |
| -230.00 | -11.00 | 0.00006 | -230.00 | -13.00 | 0.00006 |
| -230.00 | -15.00 | 0.00006 | -230.00 | -17.00 | 0.00006 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -230.00 | -20.00 | 0.00006 | -230.00 | -25.00 | 0.00006 |
| -230.00 | -30.00 | 0.00006 | -230.00 | -40.00 | 0.00006 |
| -230.00 | -50.00 | 0.00005 | -230.00 | -60.00 | 0.00005 |
| -230.00 | -70.00 | 0.00005 | -230.00 | -80.00 | 0.00005 |
| -230.00 | -90.00 | 0.00005 | -230.00 | -100.00 | 0.00005 |
| -220.00 | 100.00 | 0.00009 | -220.00 | 90.00 | 0.00009 |
| -220.00 | 80.00 | 0.00009 | -220.00 | 70.00 | 0.00009 |
| -220.00 | 60.00 | 0.00009 | -220.00 | 50.00 | 0.00008 |
| -220.00 | 40.00 | 0.00008 | -220.00 | 30.00 | 0.00008 |
| -220.00 | 25.00 | 0.00008 | -220.00 | 20.00 | 0.00008 |
| -220.00 | 17.00 | 0.00008 | -220.00 | 15.00 | 0.00008 |
| -220.00 | 13.00 | 0.00007 | -220.00 | 11.00 | 0.00007 |
| -220.00 | 9.00 | 0.00007 | -220.00 | -9.00 | 0.00007 |
| -220.00 | -11.00 | 0.00007 | -220.00 | -13.00 | 0.00007 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -200.00 | -70.00 | 0.00006 | -200.00 | -80.00 | 0.00006 |
| -200.00 | -90.00 | 0.00006 | -200.00 | -100.00 | 0.00006 |
| -190.00 | 100.00 | 0.00011 | -190.00 | 90.00 | 0.00011 |
| -190.00 | 80.00 | 0.00011 | -190.00 | 70.00 | 0.00011 |
| -190.00 | 60.00 | 0.00011 | -190.00 | 50.00 | 0.00010 |
| -190.00 | 40.00 | 0.00010 | -190.00 | 30.00 | 0.00010 |
| -190.00 | 25.00 | 0.00010 | -190.00 | 20.00 | 0.00009 |
| -190.00 | 17.00 | 0.00009 | -190.00 | 15.00 | 0.00009 |
| -190.00 | 13.00 | 0.00009 | -190.00 | 11.00 | 0.00009 |
| -190.00 | 9.00 | 0.00009 | -190.00 | -9.00 | 0.00008 |
| -190.00 | -11.00 | 0.00008 | -190.00 | -13.00 | 0.00008 |
| -190.00 | -15.00 | 0.00008 | -190.00 | -17.00 | 0.00008 |
| -190.00 | -20.00 | 0.00008 | -190.00 | -25.00 | 0.00008 |
| -190.00 | -30.00 | 0.00007 | -190.00 | -40.00 | 0.00007 |
| -190.00 | -50.00 | 0.00007 | -190.00 | -60.00 | 0.00007 |
| -190.00 | -70.00 | 0.00007 | -190.00 | -80.00 | 0.00007 |
| -190.00 | -90.00 | 0.00007 | -190.00 | -100.00 | 0.00007 |
| -180.00 | 100.00 | 0.00012 | -180.00 | 90.00 | 0.00012 |
| -180.00 | 80.00 | 0.00012 | -180.00 | 70.00 | 0.00012 |
| -180.00 | 60.00 | 0.00012 | -180.00 | 50.00 | 0.00011 |
| -180.00 | 40.00 | 0.00011 | -180.00 | 30.00 | 0.00010 |
| -180.00 | 25.00 | 0.00010 | -180.00 | 20.00 | 0.00010 |
| -180.00 | 17.00 | 0.00010 | -180.00 | 15.00 | 0.00010 |
| -180.00 | 13.00 | 0.00010 | -180.00 | 11.00 | 0.00010 |
| -180.00 | 9.00 | 0.00010 | -180.00 | -9.00 | 0.00009 |
| -180.00 | -11.00 | 0.00009 | -180.00 | -13.00 | 0.00009 |
| -180.00 | -15.00 | 0.00009 | -180.00 | -17.00 | 0.00008 |
| -180.00 | -20.00 | 0.00008 | -180.00 | -25.00 | 0.00008 |
| -180.00 | -30.00 | 0.00008 | -180.00 | -40.00 | 0.00008 |
| -180.00 | -50.00 | 0.00007 | -180.00 | -60.00 | 0.00007 |
| -180.00 | -70.00 | 0.00007 | -180.00 | -80.00 | 0.00007 |
| -180.00 | -90.00 | 0.00007 | -180.00 | -100.00 | 0.00007 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -170.00 | 100.00 | 0.00013 | -170.00 | 90.00 | 0.00013 |
| -170.00 | 80.00 | 0.00013 | -170.00 | 70.00 | 0.00013 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -170.00 | 60.00 | 0.00013 | -170.00 | 50.00 | 0.00012 |
| -170.00 | 40.00 | 0.00012 | -170.00 | 30.00 | 0.00011 |
| -170.00 | 25.00 | 0.00011 | -170.00 | 20.00 | 0.00011 |
| -170.00 | 17.00 | 0.00011 | -170.00 | 15.00 | 0.00011 |
| -170.00 | 13.00 | 0.00010 | -170.00 | 11.00 | 0.00010 |
| -170.00 | 9.00 | 0.00010 | -170.00 | -9.00 | 0.00009 |
| -170.00 | -11.00 | 0.00009 | -170.00 | -13.00 | 0.00009 |
| -170.00 | -15.00 | 0.00009 | -170.00 | -17.00 | 0.00009 |
| -170.00 | -20.00 | 0.00009 | -170.00 | -25.00 | 0.00009 |
| -170.00 | -30.00 | 0.00008 | -170.00 | -40.00 | 0.00008 |
| -170.00 | -50.00 | 0.00008 | -170.00 | -60.00 | 0.00008 |
| -170.00 | -70.00 | 0.00008 | -170.00 | -80.00 | 0.00008 |
| -170.00 | -90.00 | 0.00008 | -170.00 | -100.00 | 0.00008 |
| -160.00 | 100.00 | 0.00013 | -160.00 | 90.00 | 0.00014 |
| -160.00 | 80.00 | 0.00014 | -160.00 | 70.00 | 0.00014 |
| -160.00 | 60.00 | 0.00014 | -160.00 | 50.00 | 0.00013 |
| -160.00 | 40.00 | 0.00013 | -160.00 | 30.00 | 0.00012 |
| -160.00 | 25.00 | 0.00012 | -160.00 | 20.00 | 0.00012 |
| -160.00 | 17.00 | 0.00012 | -160.00 | 15.00 | 0.00011 |
| -160.00 | 13.00 | 0.00011 | -160.00 | 11.00 | 0.00011 |
| -160.00 | 9.00 | 0.00011 | -160.00 | -9.00 | 0.00010 |
| -160.00 | -11.00 | 0.00010 | -160.00 | -13.00 | 0.00010 |
| -160.00 | -15.00 | 0.00010 | -160.00 | -17.00 | 0.00010 |
| -160.00 | -20.00 | 0.00009 | -160.00 | -25.00 | 0.00009 |
| -160.00 | -30.00 | 0.00009 | -160.00 | -40.00 | 0.00009 |
| -160.00 | -50.00 | 0.00008 | -160.00 | -60.00 | 0.00008 |
| -160.00 | -70.00 | 0.00008 | -160.00 | -80.00 | 0.00008 |
| -160.00 | -90.00 | 0.00008 | -160.00 | -100.00 | 0.00008 |
| -150.00 | 100.00 | 0.00014 | -150.00 | 90.00 | 0.00015 |
| -150.00 | 80.00 | 0.00015 | -150.00 | 70.00 | 0.00015 |
| -150.00 | 60.00 | 0.00015 | -150.00 | 50.00 | 0.00014 |
| -150.00 | 40.00 | 0.00014 | -150.00 | 30.00 | 0.00013 |
| -150.00 | 25.00 | 0.00013 | -150.00 | 20.00 | 0.00013 |
| -150.00 | 17.00 | 0.00012 | -150.00 | 15.00 | 0.00012 |
| -150.00 | 13.00 | 0.00012 | -150.00 | 11.00 | 0.00012 |
| -150.00 | 9.00 | 0.00012 | -150.00 | -9.00 | 0.00011 |
| -150.00 | -11.00 | 0.00011 | -150.00 | -13.00 | 0.00011 |
| -150.00 | -15.00 | 0.00010 | -150.00 | -17.00 | 0.00010 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **MODELOPTS:
 PAGE 47

CONC URBAN FLAT FLGPOL DFAULT

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

09NCRA PL94-300_DPM_TRAV_ANN E-W 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 | |
| -150.00 | -20.00 | 0.00010 | -150.00 | -25.00 | 0.00010 | |
| -150.00 | -30.00 | 0.00010 | -150.00 | -40.00 | 0.00009 | |
| -150.00 | -50.00 | 0.00009 | -150.00 | -60.00 | 0.00009 | |
| -150.00 | -70.00 | 0.00009 | -150.00 | -80.00 | 0.00009 | |
| -150.00 | -90.00 | 0.00009 | -150.00 | -100.00 | 0.00009 | |
| -140.00 | 100.00 | 0.00015 | -140.00 | 90.00 | 0.00016 | |
| -140.00 | 80.00 | 0.00016 | -140.00 | 70.00 | 0.00016 | |
| -140.00 | 60.00 | 0.00016 | -140.00 | 50.00 | 0.00016 | |
| -140.00 | 40.00 | 0.00015 | -140.00 | 30.00 | 0.00014 | |
| -140.00 | 25.00 | 0.00014 | -140.00 | 20.00 | 0.00014 | |
| -140.00 | 17.00 | 0.00014 | -140.00 | 15.00 | 0.00013 | |
| -140.00 | 13.00 | 0.00013 | -140.00 | 11.00 | 0.00013 | |
| -140.00 | 9.00 | 0.00013 | -140.00 | -9.00 | 0.00012 | |
| -140.00 | -11.00 | 0.00012 | -140.00 | -13.00 | 0.00011 | |
| -140.00 | -15.00 | 0.00011 | -140.00 | -17.00 | 0.00011 | |
| -140.00 | -20.00 | 0.00011 | -140.00 | -25.00 | 0.00011 | |
| -140.00 | -30.00 | 0.00010 | -140.00 | -40.00 | 0.00010 | |
| -140.00 | -50.00 | 0.00010 | -140.00 | -60.00 | 0.00009 | |
| -140.00 | -70.00 | 0.00009 | -140.00 | -80.00 | 0.00009 | |
| -140.00 | -90.00 | 0.00009 | -140.00 | -100.00 | 0.00009 | |
| -130.00 | 100.00 | 0.00016 | -130.00 | 90.00 | 0.00017 | |
| -130.00 | 80.00 | 0.00017 | -130.00 | 70.00 | 0.00018 | |
| -130.00 | 60.00 | 0.00018 | -130.00 | 50.00 | 0.00017 | |
| -130.00 | 40.00 | 0.00016 | -130.00 | 30.00 | 0.00016 | |
| -130.00 | 25.00 | 0.00015 | -130.00 | 20.00 | 0.00015 | |
| -130.00 | 17.00 | 0.00015 | -130.00 | 15.00 | 0.00015 | |
| -130.00 | 13.00 | 0.00014 | -130.00 | 11.00 | 0.00014 | |
| -130.00 | 9.00 | 0.00014 | -130.00 | -9.00 | 0.00013 | |
| -130.00 | -11.00 | 0.00013 | -130.00 | -13.00 | 0.00012 | |
| -130.00 | -15.00 | 0.00012 | -130.00 | -17.00 | 0.00012 | |
| -130.00 | -20.00 | 0.00012 | -130.00 | -25.00 | 0.00011 | |
| -130.00 | -30.00 | 0.00011 | -130.00 | -40.00 | 0.00011 | |
| -130.00 | -50.00 | 0.00010 | -130.00 | -60.00 | 0.00010 | |
| -130.00 | -70.00 | 0.00010 | -130.00 | -80.00 | 0.00010 | |
| -130.00 | -90.00 | 0.00010 | -130.00 | -100.00 | 0.00010 | |
| -120.00 | 100.00 | 0.00017 | -120.00 | 90.00 | 0.00018 | |
| -120.00 | 80.00 | 0.00019 | -120.00 | 70.00 | 0.00019 | |
| -120.00 | 60.00 | 0.00019 | -120.00 | 50.00 | 0.00019 | |
| -120.00 | 40.00 | 0.00018 | -120.00 | 30.00 | 0.00017 | |
| -120.00 | 25.00 | 0.00017 | -120.00 | 20.00 | 0.00016 | |

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

*** NCRA Cumulative DPM Impacts

10:54:17

**MODELOPTs:

PAGE 48

*** Maximum train overlap at East/West 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -120.00 | 17.00 | 0.00016 | -120.00 | 15.00 | 0.00016 |
| -120.00 | 13.00 | 0.00016 | -120.00 | 11.00 | 0.00016 |
| -120.00 | 9.00 | 0.00016 | -120.00 | -9.00 | 0.00014 |
| -120.00 | -11.00 | 0.00014 | -120.00 | -13.00 | 0.00013 |
| -120.00 | -15.00 | 0.00013 | -120.00 | -17.00 | 0.00013 |
| -120.00 | -20.00 | 0.00013 | -120.00 | -25.00 | 0.00012 |
| -120.00 | -30.00 | 0.00012 | -120.00 | -40.00 | 0.00011 |
| -120.00 | -50.00 | 0.00011 | -120.00 | -60.00 | 0.00011 |
| -120.00 | -70.00 | 0.00011 | -120.00 | -80.00 | 0.00011 |
| -120.00 | -90.00 | 0.00011 | -120.00 | -100.00 | 0.00011 |
| -110.00 | 100.00 | 0.00019 | -110.00 | 90.00 | 0.00019 |
| -110.00 | 80.00 | 0.00020 | -110.00 | 70.00 | 0.00021 |
| -110.00 | 60.00 | 0.00021 | -110.00 | 50.00 | 0.00021 |
| -110.00 | 40.00 | 0.00020 | -110.00 | 30.00 | 0.00019 |
| -110.00 | 25.00 | 0.00019 | -110.00 | 20.00 | 0.00018 |
| -110.00 | 17.00 | 0.00018 | -110.00 | 15.00 | 0.00018 |
| -110.00 | 13.00 | 0.00017 | -110.00 | 11.00 | 0.00017 |
| -110.00 | 9.00 | 0.00017 | -110.00 | -9.00 | 0.00015 |
| -110.00 | -11.00 | 0.00015 | -110.00 | -13.00 | 0.00015 |
| -110.00 | -15.00 | 0.00014 | -110.00 | -17.00 | 0.00014 |
| -110.00 | -20.00 | 0.00014 | -110.00 | -25.00 | 0.00013 |
| -110.00 | -30.00 | 0.00013 | -110.00 | -40.00 | 0.00013 |
| -110.00 | -50.00 | 0.00012 | -110.00 | -60.00 | 0.00012 |
| -110.00 | -70.00 | 0.00012 | -110.00 | -80.00 | 0.00012 |
| -110.00 | -90.00 | 0.00012 | -110.00 | -100.00 | 0.00011 |
| -100.00 | 100.00 | 0.00020 | -100.00 | 90.00 | 0.00021 |
| -100.00 | 80.00 | 0.00022 | -100.00 | 70.00 | 0.00023 |
| -100.00 | 60.00 | 0.00023 | -100.00 | 50.00 | 0.00023 |
| -100.00 | 40.00 | 0.00022 | -100.00 | 30.00 | 0.00021 |
| -100.00 | 25.00 | 0.00021 | -100.00 | 20.00 | 0.00020 |
| -100.00 | 17.00 | 0.00020 | -100.00 | 15.00 | 0.00020 |
| -100.00 | 13.00 | 0.00019 | -100.00 | 11.00 | 0.00019 |
| -100.00 | 9.00 | 0.00019 | -100.00 | -9.00 | 0.00017 |
| -100.00 | -11.00 | 0.00016 | -100.00 | -13.00 | 0.00016 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -100.00 | -15.00 | 0.00016 | -100.00 | -17.00 | 0.00016 |
| -100.00 | -20.00 | 0.00015 | -100.00 | -25.00 | 0.00015 |
| -100.00 | -30.00 | 0.00014 | -100.00 | -40.00 | 0.00014 |
| -100.00 | -50.00 | 0.00013 | -100.00 | -60.00 | 0.00013 |
| -100.00 | -70.00 | 0.00013 | -100.00 | -80.00 | 0.00013 |
| -100.00 | -90.00 | 0.00013 | -100.00 | -100.00 | 0.00012 |

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

10:54:17

**MODELOPTs:

PAGE 49

CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at East/West 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -90.00 | 100.00 | 0.00021 | -90.00 | 90.00 | 0.00023 |
| -90.00 | 80.00 | 0.00024 | -90.00 | 70.00 | 0.00025 |
| -90.00 | 60.00 | 0.00025 | -90.00 | 50.00 | 0.00026 |
| -90.00 | 40.00 | 0.00025 | -90.00 | 30.00 | 0.00024 |
| -90.00 | 25.00 | 0.00023 | -90.00 | 20.00 | 0.00022 |
| -90.00 | 17.00 | 0.00022 | -90.00 | 15.00 | 0.00022 |
| -90.00 | 13.00 | 0.00021 | -90.00 | 11.00 | 0.00021 |
| -90.00 | 9.00 | 0.00021 | -90.00 | -9.00 | 0.00018 |
| -90.00 | -11.00 | 0.00018 | -90.00 | -13.00 | 0.00018 |
| -90.00 | -15.00 | 0.00017 | -90.00 | -17.00 | 0.00017 |
| -90.00 | -20.00 | 0.00017 | -90.00 | -25.00 | 0.00016 |
| -90.00 | -30.00 | 0.00016 | -90.00 | -40.00 | 0.00015 |
| -90.00 | -50.00 | 0.00015 | -90.00 | -60.00 | 0.00015 |
| -90.00 | -70.00 | 0.00015 | -90.00 | -80.00 | 0.00014 |
| -90.00 | -90.00 | 0.00014 | -90.00 | -100.00 | 0.00013 |
| -80.00 | 100.00 | 0.00023 | -80.00 | 90.00 | 0.00025 |
| -80.00 | 80.00 | 0.00026 | -80.00 | 70.00 | 0.00027 |
| -80.00 | 60.00 | 0.00028 | -80.00 | 50.00 | 0.00028 |
| -80.00 | 40.00 | 0.00028 | -80.00 | 30.00 | 0.00027 |
| -80.00 | 25.00 | 0.00026 | -80.00 | 20.00 | 0.00025 |
| -80.00 | 17.00 | 0.00025 | -80.00 | 15.00 | 0.00024 |
| -80.00 | 13.00 | 0.00024 | -80.00 | 11.00 | 0.00024 |
| -80.00 | 9.00 | 0.00023 | -80.00 | -9.00 | 0.00020 |
| -80.00 | -11.00 | 0.00020 | -80.00 | -13.00 | 0.00019 |
| -80.00 | -15.00 | 0.00019 | -80.00 | -17.00 | 0.00019 |
| -80.00 | -20.00 | 0.00018 | -80.00 | -25.00 | 0.00018 |
| -80.00 | -30.00 | 0.00017 | -80.00 | -40.00 | 0.00017 |
| -80.00 | -50.00 | 0.00017 | -80.00 | -60.00 | 0.00016 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -80.00 | -70.00 | 0.00016 | -80.00 | -80.00 | 0.00016 |
| -80.00 | -90.00 | 0.00015 | -80.00 | -100.00 | 0.00014 |
| -70.00 | 100.00 | 0.00025 | -70.00 | 90.00 | 0.00027 |
| -70.00 | 80.00 | 0.00028 | -70.00 | 70.00 | 0.00030 |
| -70.00 | 60.00 | 0.00031 | -70.00 | 50.00 | 0.00032 |
| -70.00 | 40.00 | 0.00032 | -70.00 | 30.00 | 0.00030 |
| -70.00 | 25.00 | 0.00029 | -70.00 | 20.00 | 0.00028 |
| -70.00 | 17.00 | 0.00028 | -70.00 | 15.00 | 0.00027 |
| -70.00 | 13.00 | 0.00027 | -70.00 | 11.00 | 0.00027 |
| -70.00 | 9.00 | 0.00026 | -70.00 | -9.00 | 0.00022 |
| -70.00 | -11.00 | 0.00022 | -70.00 | -13.00 | 0.00022 |
| -70.00 | -15.00 | 0.00021 | -70.00 | -17.00 | 0.00021 |

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

10:54:17

**MODELOPTs:

PAGE 50

CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at East/West 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -70.00 | -20.00 | 0.00020 | -70.00 | -25.00 | 0.00020 |
| -70.00 | -30.00 | 0.00019 | -70.00 | -40.00 | 0.00019 |
| -70.00 | -50.00 | 0.00019 | -70.00 | -60.00 | 0.00018 |
| -70.00 | -70.00 | 0.00018 | -70.00 | -80.00 | 0.00017 |
| -70.00 | -90.00 | 0.00016 | -70.00 | -100.00 | 0.00015 |
| -60.00 | 100.00 | 0.00027 | -60.00 | 90.00 | 0.00029 |
| -60.00 | 80.00 | 0.00031 | -60.00 | 70.00 | 0.00033 |
| -60.00 | 60.00 | 0.00034 | -60.00 | 50.00 | 0.00036 |
| -60.00 | 40.00 | 0.00036 | -60.00 | 30.00 | 0.00035 |
| -60.00 | 25.00 | 0.00034 | -60.00 | 20.00 | 0.00032 |
| -60.00 | 17.00 | 0.00032 | -60.00 | 15.00 | 0.00031 |
| -60.00 | 13.00 | 0.00031 | -60.00 | 11.00 | 0.00030 |
| -60.00 | 9.00 | 0.00030 | -60.00 | -9.00 | 0.00025 |
| -60.00 | -11.00 | 0.00025 | -60.00 | -13.00 | 0.00024 |
| -60.00 | -15.00 | 0.00024 | -60.00 | -17.00 | 0.00023 |
| -60.00 | -20.00 | 0.00023 | -60.00 | -25.00 | 0.00022 |
| -60.00 | -30.00 | 0.00021 | -60.00 | -40.00 | 0.00021 |
| -60.00 | -50.00 | 0.00021 | -60.00 | -60.00 | 0.00020 |
| -60.00 | -70.00 | 0.00019 | -60.00 | -80.00 | 0.00018 |
| -60.00 | -90.00 | 0.00017 | -60.00 | -100.00 | 0.00016 |
| -50.00 | 100.00 | 0.00029 | -50.00 | 90.00 | 0.00031 |
| -50.00 | 80.00 | 0.00034 | -50.00 | 70.00 | 0.00036 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -50.00 | 60.00 | 0.00038 | -50.00 | 50.00 | 0.00040 |
| -50.00 | 40.00 | 0.00041 | -50.00 | 30.00 | 0.00040 |
| -50.00 | 25.00 | 0.00039 | -50.00 | 20.00 | 0.00037 |
| -50.00 | 17.00 | 0.00036 | -50.00 | 15.00 | 0.00036 |
| -50.00 | 13.00 | 0.00035 | -50.00 | 11.00 | 0.00035 |
| -50.00 | 9.00 | 0.00034 | -50.00 | -9.00 | 0.00028 |
| -50.00 | -11.00 | 0.00028 | -50.00 | -13.00 | 0.00027 |
| -50.00 | -15.00 | 0.00027 | -50.00 | -17.00 | 0.00026 |
| -50.00 | -20.00 | 0.00025 | -50.00 | -25.00 | 0.00025 |
| -50.00 | -30.00 | 0.00024 | -50.00 | -40.00 | 0.00024 |
| -50.00 | -50.00 | 0.00023 | -50.00 | -60.00 | 0.00023 |
| -50.00 | -70.00 | 0.00021 | -50.00 | -80.00 | 0.00020 |
| -50.00 | -90.00 | 0.00018 | -50.00 | -100.00 | 0.00017 |
| -40.00 | 100.00 | 0.00031 | -40.00 | 90.00 | 0.00034 |
| -40.00 | 80.00 | 0.00037 | -40.00 | 70.00 | 0.00040 |
| -40.00 | 60.00 | 0.00043 | -40.00 | 50.00 | 0.00045 |
| -40.00 | 40.00 | 0.00047 | -40.00 | 30.00 | 0.00046 |
| -40.00 | 25.00 | 0.00045 | -40.00 | 20.00 | 0.00043 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -40.00 | 17.00 | 0.00042 | -40.00 | 15.00 | 0.00042 |
| -40.00 | 13.00 | 0.00041 | -40.00 | 11.00 | 0.00040 |
| -40.00 | 9.00 | 0.00039 | -40.00 | -9.00 | 0.00032 |
| -40.00 | -11.00 | 0.00031 | -40.00 | -13.00 | 0.00031 |
| -40.00 | -15.00 | 0.00030 | -40.00 | -17.00 | 0.00029 |
| -40.00 | -20.00 | 0.00029 | -40.00 | -25.00 | 0.00028 |
| -40.00 | -30.00 | 0.00027 | -40.00 | -40.00 | 0.00027 |
| -40.00 | -50.00 | 0.00026 | -40.00 | -60.00 | 0.00025 |
| -40.00 | -70.00 | 0.00023 | -40.00 | -80.00 | 0.00021 |
| -40.00 | -90.00 | 0.00020 | -40.00 | -100.00 | 0.00018 |
| -30.00 | 100.00 | 0.00034 | -30.00 | 90.00 | 0.00037 |
| -30.00 | 80.00 | 0.00040 | -30.00 | 70.00 | 0.00044 |
| -30.00 | 60.00 | 0.00048 | -30.00 | 50.00 | 0.00051 |
| -30.00 | 40.00 | 0.00054 | -30.00 | 30.00 | 0.00054 |
| -30.00 | 25.00 | 0.00053 | -30.00 | 20.00 | 0.00051 |
| -30.00 | 17.00 | 0.00050 | -30.00 | 15.00 | 0.00049 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -30.00 | 13.00 | 0.00048 | -30.00 | 11.00 | 0.00047 |
| -30.00 | 9.00 | 0.00046 | -30.00 | -9.00 | 0.00037 |
| -30.00 | -11.00 | 0.00036 | -30.00 | -13.00 | 0.00035 |
| -30.00 | -15.00 | 0.00034 | -30.00 | -17.00 | 0.00033 |
| -30.00 | -20.00 | 0.00033 | -30.00 | -25.00 | 0.00032 |
| -30.00 | -30.00 | 0.00031 | -30.00 | -40.00 | 0.00031 |
| -30.00 | -50.00 | 0.00030 | -30.00 | -60.00 | 0.00028 |
| -30.00 | -70.00 | 0.00026 | -30.00 | -80.00 | 0.00023 |
| -30.00 | -90.00 | 0.00021 | -30.00 | -100.00 | 0.00019 |
| -20.00 | 100.00 | 0.00036 | -20.00 | 90.00 | 0.00040 |
| -20.00 | 80.00 | 0.00044 | -20.00 | 70.00 | 0.00049 |
| -20.00 | 60.00 | 0.00054 | -20.00 | 50.00 | 0.00058 |
| -20.00 | 40.00 | 0.00062 | -20.00 | 30.00 | 0.00064 |
| -20.00 | 25.00 | 0.00063 | -20.00 | 20.00 | 0.00061 |
| -20.00 | 17.00 | 0.00059 | -20.00 | 15.00 | 0.00058 |
| -20.00 | 13.00 | 0.00057 | -20.00 | 11.00 | 0.00056 |
| -20.00 | 9.00 | 0.00054 | -20.00 | -9.00 | 0.00042 |
| -20.00 | -11.00 | 0.00041 | -20.00 | -13.00 | 0.00040 |
| -20.00 | -15.00 | 0.00039 | -20.00 | -17.00 | 0.00038 |
| -20.00 | -20.00 | 0.00038 | -20.00 | -25.00 | 0.00037 |
| -20.00 | -30.00 | 0.00037 | -20.00 | -40.00 | 0.00036 |
| -20.00 | -50.00 | 0.00033 | -20.00 | -60.00 | 0.00031 |
| -20.00 | -70.00 | 0.00028 | -20.00 | -80.00 | 0.00025 |
| -20.00 | -90.00 | 0.00023 | -20.00 | -100.00 | 0.00021 |

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

10:54:17
 **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 |
| -10.00 | 100.00 | 0.00038 | -10.00 | 90.00 | 0.00043 |
| -10.00 | 80.00 | 0.00048 | -10.00 | 70.00 | 0.00054 |
| -10.00 | 60.00 | 0.00060 | -10.00 | 50.00 | 0.00066 |
| -10.00 | 40.00 | 0.00072 | -10.00 | 30.00 | 0.00075 |
| -10.00 | 25.00 | 0.00075 | -10.00 | 20.00 | 0.00074 |
| -10.00 | 17.00 | 0.00072 | -10.00 | 15.00 | 0.00071 |
| -10.00 | 13.00 | 0.00069 | -10.00 | 11.00 | 0.00067 |
| -10.00 | 9.00 | 0.00065 | -10.00 | -9.00 | 0.00049 |
| -10.00 | -11.00 | 0.00048 | -10.00 | -13.00 | 0.00046 |
| -10.00 | -15.00 | 0.00045 | -10.00 | -17.00 | 0.00045 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -10.00 | -20.00 | 0.00044 | -10.00 | -25.00 | 0.00043 |
| -10.00 | -30.00 | 0.00043 | -10.00 | -40.00 | 0.00041 |
| -10.00 | -50.00 | 0.00038 | -10.00 | -60.00 | 0.00034 |
| -10.00 | -70.00 | 0.00030 | -10.00 | -80.00 | 0.00027 |
| -10.00 | -90.00 | 0.00025 | -10.00 | -100.00 | 0.00022 |
| 0.00 | 100.00 | 0.00039 | 0.00 | 90.00 | 0.00045 |
| 0.00 | 80.00 | 0.00052 | 0.00 | 70.00 | 0.00059 |
| 0.00 | 60.00 | 0.00067 | 0.00 | 50.00 | 0.00076 |
| 0.00 | 40.00 | 0.00084 | 0.00 | 30.00 | 0.00089 |
| 0.00 | 25.00 | 0.00091 | 0.00 | 20.00 | 0.00090 |
| 0.00 | 17.00 | 0.00088 | 0.00 | 15.00 | 0.00087 |
| 0.00 | 13.00 | 0.00085 | 0.00 | 11.00 | 0.00083 |
| 0.00 | 9.00 | 0.00080 | 0.00 | -9.00 | 0.00057 |
| 0.00 | -11.00 | 0.00056 | 0.00 | -13.00 | 0.00054 |
| 0.00 | -15.00 | 0.00053 | 0.00 | -17.00 | 0.00053 |
| 0.00 | -20.00 | 0.00052 | 0.00 | -25.00 | 0.00051 |
| 0.00 | -30.00 | 0.00050 | 0.00 | -40.00 | 0.00046 |
| 0.00 | -50.00 | 0.00042 | 0.00 | -60.00 | 0.00037 |
| 0.00 | -70.00 | 0.00033 | 0.00 | -80.00 | 0.00030 |
| 0.00 | -90.00 | 0.00027 | 0.00 | -100.00 | 0.00025 |
| 10.00 | 100.00 | 0.00040 | 10.00 | 90.00 | 0.00046 |
| 10.00 | 80.00 | 0.00054 | 10.00 | 70.00 | 0.00063 |
| 10.00 | 60.00 | 0.00074 | 10.00 | 50.00 | 0.00086 |
| 10.00 | 40.00 | 0.00097 | 10.00 | 30.00 | 0.00107 |
| 10.00 | 25.00 | 0.00110 | 10.00 | 20.00 | 0.00111 |
| 10.00 | 17.00 | 0.00110 | 10.00 | 15.00 | 0.00108 |
| 10.00 | 13.00 | 0.00106 | 10.00 | 11.00 | 0.00103 |
| 10.00 | 9.00 | 0.00100 | 10.00 | -9.00 | 0.00068 |
| 10.00 | -11.00 | 0.00066 | 10.00 | -13.00 | 0.00064 |
| 10.00 | -15.00 | 0.00064 | 10.00 | -17.00 | 0.00063 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 10.00 | -20.00 | 0.00062 | 10.00 | -25.00 | 0.00060 |
| 10.00 | -30.00 | 0.00058 | 10.00 | -40.00 | 0.00053 |
| 10.00 | -50.00 | 0.00047 | 10.00 | -60.00 | 0.00042 |
| 10.00 | -70.00 | 0.00037 | 10.00 | -80.00 | 0.00033 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 10.00 | -90.00 | 0.00030 | 10.00 | -100.00 | 0.00028 |
| 20.00 | 100.00 | 0.00039 | 20.00 | 90.00 | 0.00047 |
| 20.00 | 80.00 | 0.00056 | 20.00 | 70.00 | 0.00066 |
| 20.00 | 60.00 | 0.00079 | 20.00 | 50.00 | 0.00095 |
| 20.00 | 40.00 | 0.00112 | 20.00 | 30.00 | 0.00128 |
| 20.00 | 25.00 | 0.00134 | 20.00 | 20.00 | 0.00138 |
| 20.00 | 17.00 | 0.00138 | 20.00 | 15.00 | 0.00137 |
| 20.00 | 13.00 | 0.00135 | 20.00 | 11.00 | 0.00132 |
| 20.00 | 9.00 | 0.00128 | 20.00 | -9.00 | 0.00081 |
| 20.00 | -11.00 | 0.00079 | 20.00 | -13.00 | 0.00077 |
| 20.00 | -15.00 | 0.00076 | 20.00 | -17.00 | 0.00075 |
| 20.00 | -20.00 | 0.00073 | 20.00 | -25.00 | 0.00070 |
| 20.00 | -30.00 | 0.00067 | 20.00 | -40.00 | 0.00060 |
| 20.00 | -50.00 | 0.00053 | 20.00 | -60.00 | 0.00047 |
| 20.00 | -70.00 | 0.00042 | 20.00 | -80.00 | 0.00038 |
| 20.00 | -90.00 | 0.00034 | 20.00 | -100.00 | 0.00031 |
| 30.00 | 100.00 | 0.00038 | 30.00 | 90.00 | 0.00046 |
| 30.00 | 80.00 | 0.00055 | 30.00 | 70.00 | 0.00067 |
| 30.00 | 60.00 | 0.00082 | 30.00 | 50.00 | 0.00101 |
| 30.00 | 40.00 | 0.00124 | 30.00 | 30.00 | 0.00150 |
| 30.00 | 25.00 | 0.00162 | 30.00 | 20.00 | 0.00171 |
| 30.00 | 17.00 | 0.00175 | 30.00 | 15.00 | 0.00176 |
| 30.00 | 13.00 | 0.00175 | 30.00 | 11.00 | 0.00173 |
| 30.00 | 9.00 | 0.00169 | 30.00 | -9.00 | 0.00098 |
| 30.00 | -11.00 | 0.00095 | 30.00 | -13.00 | 0.00093 |
| 30.00 | -15.00 | 0.00091 | 30.00 | -17.00 | 0.00089 |
| 30.00 | -20.00 | 0.00086 | 30.00 | -25.00 | 0.00082 |
| 30.00 | -30.00 | 0.00078 | 30.00 | -40.00 | 0.00070 |
| 30.00 | -50.00 | 0.00062 | 30.00 | -60.00 | 0.00055 |
| 30.00 | -70.00 | 0.00048 | 30.00 | -80.00 | 0.00043 |
| 30.00 | -90.00 | 0.00039 | 30.00 | -100.00 | 0.00035 |
| 40.00 | 100.00 | 0.00037 | 40.00 | 90.00 | 0.00044 |
| 40.00 | 80.00 | 0.00054 | 40.00 | 70.00 | 0.00066 |
| 40.00 | 60.00 | 0.00082 | 40.00 | 50.00 | 0.00103 |
| 40.00 | 40.00 | 0.00129 | 40.00 | 30.00 | 0.00163 |
| 40.00 | 25.00 | 0.00182 | 40.00 | 20.00 | 0.00201 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 ***

09NCRA PL94-300 DPM TRAV ANN E-W Bound
 ** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.00 | 17.00 | 0.00212 | 40.00 | 15.00 | 0.00218 |
| 40.00 | 13.00 | 0.00224 | 40.00 | 11.00 | 0.00228 |
| 40.00 | 9.00 | 0.00230 | 40.00 | -9.00 | 0.00121 |
| 40.00 | -11.00 | 0.00117 | 40.00 | -13.00 | 0.00113 |
| 40.00 | -15.00 | 0.00110 | 40.00 | -17.00 | 0.00108 |
| 40.00 | -20.00 | 0.00104 | 40.00 | -25.00 | 0.00099 |
| 40.00 | -30.00 | 0.00094 | 40.00 | -40.00 | 0.00084 |
| 40.00 | -50.00 | 0.00074 | 40.00 | -60.00 | 0.00065 |
| 40.00 | -70.00 | 0.00057 | 40.00 | -80.00 | 0.00050 |
| 40.00 | -90.00 | 0.00045 | 40.00 | -100.00 | 0.00040 |
| 50.00 | 100.00 | 0.00034 | 50.00 | 90.00 | 0.00042 |
| 50.00 | 80.00 | 0.00051 | 50.00 | 70.00 | 0.00064 |
| 50.00 | 60.00 | 0.00080 | 50.00 | 50.00 | 0.00101 |
| 50.00 | 40.00 | 0.00130 | 50.00 | 30.00 | 0.00166 |
| 50.00 | 25.00 | 0.00189 | 50.00 | 20.00 | 0.00212 |
| 50.00 | 17.00 | 0.00226 | 50.00 | 15.00 | 0.00235 |
| 50.00 | 13.00 | 0.00244 | 50.00 | 11.00 | 0.00255 |
| 50.00 | 9.00 | 0.00266 | 50.00 | -9.00 | 0.00229 |
| 50.00 | -11.00 | 0.00201 | 50.00 | -13.00 | 0.00183 |
| 50.00 | -15.00 | 0.00172 | 50.00 | -17.00 | 0.00163 |
| 50.00 | -20.00 | 0.00153 | 50.00 | -25.00 | 0.00140 |
| 50.00 | -30.00 | 0.00130 | 50.00 | -40.00 | 0.00111 |
| 50.00 | -50.00 | 0.00095 | 50.00 | -60.00 | 0.00081 |
| 50.00 | -70.00 | 0.00070 | 50.00 | -80.00 | 0.00061 |
| 50.00 | -90.00 | 0.00054 | 50.00 | -100.00 | 0.00048 |
| 60.00 | 100.00 | 0.00031 | 60.00 | 90.00 | 0.00038 |
| 60.00 | 80.00 | 0.00048 | 60.00 | 70.00 | 0.00060 |
| 60.00 | 60.00 | 0.00076 | 60.00 | 50.00 | 0.00098 |
| 60.00 | 40.00 | 0.00127 | 60.00 | 30.00 | 0.00165 |
| 60.00 | 25.00 | 0.00190 | 60.00 | 20.00 | 0.00217 |
| 60.00 | 17.00 | 0.00233 | 60.00 | 15.00 | 0.00245 |
| 60.00 | 13.00 | 0.00256 | 60.00 | 11.00 | 0.00270 |
| 60.00 | 9.00 | 0.00287 | 60.00 | -9.00 | 0.00485 |
| 60.00 | -11.00 | 0.00427 | 60.00 | -13.00 | 0.00379 |
| 60.00 | -15.00 | 0.00341 | 60.00 | -17.00 | 0.00309 |
| 60.00 | -20.00 | 0.00271 | 60.00 | -25.00 | 0.00227 |
| 60.00 | -30.00 | 0.00196 | 60.00 | -40.00 | 0.00154 |
| 60.00 | -50.00 | 0.00126 | 60.00 | -60.00 | 0.00105 |
| 60.00 | -70.00 | 0.00089 | 60.00 | -80.00 | 0.00076 |
| 60.00 | -90.00 | 0.00066 | 60.00 | -100.00 | 0.00058 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 |
| 70.00 | 100.00 | 0.00028 | 70.00 | 90.00 | 0.00034 |
| 70.00 | 80.00 | 0.00043 | 70.00 | 70.00 | 0.00055 |
| 70.00 | 60.00 | 0.00070 | 70.00 | 50.00 | 0.00092 |
| 70.00 | 40.00 | 0.00121 | 70.00 | 30.00 | 0.00162 |
| 70.00 | 25.00 | 0.00187 | 70.00 | 20.00 | 0.00217 |
| 70.00 | 17.00 | 0.00237 | 70.00 | 15.00 | 0.00252 |
| 70.00 | 13.00 | 0.00268 | 70.00 | 11.00 | 0.00287 |
| 70.00 | 9.00 | 0.00312 | 70.00 | -9.00 | 0.00663 |
| 70.00 | -11.00 | 0.00610 | 70.00 | -13.00 | 0.00563 |
| 70.00 | -15.00 | 0.00519 | 70.00 | -17.00 | 0.00479 |
| 70.00 | -20.00 | 0.00426 | 70.00 | -25.00 | 0.00353 |
| 70.00 | -30.00 | 0.00296 | 70.00 | -40.00 | 0.00219 |
| 70.00 | -50.00 | 0.00169 | 70.00 | -60.00 | 0.00135 |
| 70.00 | -70.00 | 0.00111 | 70.00 | -80.00 | 0.00094 |
| 70.00 | -90.00 | 0.00080 | 70.00 | -100.00 | 0.00069 |
| 80.00 | 100.00 | 0.00025 | 80.00 | 90.00 | 0.00030 |
| 80.00 | 80.00 | 0.00038 | 80.00 | 70.00 | 0.00049 |
| 80.00 | 60.00 | 0.00064 | 80.00 | 50.00 | 0.00085 |
| 80.00 | 40.00 | 0.00114 | 80.00 | 30.00 | 0.00155 |
| 80.00 | 25.00 | 0.00182 | 80.00 | 20.00 | 0.00214 |
| 80.00 | 17.00 | 0.00238 | 80.00 | 15.00 | 0.00256 |
| 80.00 | 13.00 | 0.00277 | 80.00 | 11.00 | 0.00301 |
| 80.00 | 9.00 | 0.00332 | 80.00 | -9.00 | 0.00772 |
| 80.00 | -11.00 | 0.00727 | 80.00 | -13.00 | 0.00685 |
| 80.00 | -15.00 | 0.00645 | 80.00 | -17.00 | 0.00607 |
| 80.00 | -20.00 | 0.00553 | 80.00 | -25.00 | 0.00471 |
| 80.00 | -30.00 | 0.00400 | 80.00 | -40.00 | 0.00294 |
| 80.00 | -50.00 | 0.00223 | 80.00 | -60.00 | 0.00174 |
| 80.00 | -70.00 | 0.00139 | 80.00 | -80.00 | 0.00114 |
| 80.00 | -90.00 | 0.00095 | 80.00 | -100.00 | 0.00081 |
| 90.00 | 100.00 | 0.00022 | 90.00 | 90.00 | 0.00027 |
| 90.00 | 80.00 | 0.00033 | 90.00 | 70.00 | 0.00043 |
| 90.00 | 60.00 | 0.00056 | 90.00 | 50.00 | 0.00075 |
| 90.00 | 40.00 | 0.00103 | 90.00 | 30.00 | 0.00144 |
| 90.00 | 25.00 | 0.00172 | 90.00 | 20.00 | 0.00208 |
| 90.00 | 17.00 | 0.00235 | 90.00 | 15.00 | 0.00255 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|--------|---------|
| 90.00 | 13.00 | 0.00279 | 90.00 | 11.00 | 0.00307 |
| 90.00 | 9.00 | 0.00343 | 90.00 | -9.00 | 0.00840 |
| 90.00 | -11.00 | 0.00799 | 90.00 | -13.00 | 0.00762 |
| 90.00 | -15.00 | 0.00726 | 90.00 | -17.00 | 0.00691 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 90.00 | -20.00 | 0.00641 | 90.00 | -25.00 | 0.00560 |
| 90.00 | -30.00 | 0.00487 | 90.00 | -40.00 | 0.00367 |
| 90.00 | -50.00 | 0.00280 | 90.00 | -60.00 | 0.00217 |
| 90.00 | -70.00 | 0.00172 | 90.00 | -80.00 | 0.00138 |
| 90.00 | -90.00 | 0.00114 | 90.00 | -100.00 | 0.00095 |
| 100.00 | 100.00 | 0.00019 | 100.00 | 90.00 | 0.00023 |
| 100.00 | 80.00 | 0.00029 | 100.00 | 70.00 | 0.00037 |
| 100.00 | 60.00 | 0.00048 | 100.00 | 50.00 | 0.00064 |
| 100.00 | 40.00 | 0.00089 | 100.00 | 30.00 | 0.00129 |
| 100.00 | 25.00 | 0.00158 | 100.00 | 20.00 | 0.00196 |
| 100.00 | 17.00 | 0.00225 | 100.00 | 15.00 | 0.00247 |
| 100.00 | 13.00 | 0.00273 | 100.00 | 11.00 | 0.00304 |
| 100.00 | 9.00 | 0.00342 | 100.00 | -9.00 | 0.00884 |
| 100.00 | -11.00 | 0.00845 | 100.00 | -13.00 | 0.00811 |
| 100.00 | -15.00 | 0.00778 | 100.00 | -17.00 | 0.00746 |
| 100.00 | -20.00 | 0.00698 | 100.00 | -25.00 | 0.00623 |
| 100.00 | -30.00 | 0.00552 | 100.00 | -40.00 | 0.00429 |
| 100.00 | -50.00 | 0.00332 | 100.00 | -60.00 | 0.00259 |
| 100.00 | -70.00 | 0.00204 | 100.00 | -80.00 | 0.00164 |
| 100.00 | -90.00 | 0.00133 | 100.00 | -100.00 | 0.00110 |
| 110.00 | 100.00 | 0.00017 | 110.00 | 90.00 | 0.00021 |
| 110.00 | 80.00 | 0.00025 | 110.00 | 70.00 | 0.00031 |
| 110.00 | 60.00 | 0.00040 | 110.00 | 50.00 | 0.00053 |
| 110.00 | 40.00 | 0.00074 | 110.00 | 30.00 | 0.00110 |
| 110.00 | 25.00 | 0.00138 | 110.00 | 20.00 | 0.00176 |
| 110.00 | 17.00 | 0.00205 | 110.00 | 15.00 | 0.00229 |
| 110.00 | 13.00 | 0.00256 | 110.00 | 11.00 | 0.00288 |
| 110.00 | 9.00 | 0.00329 | 110.00 | -9.00 | 0.00909 |
| 110.00 | -11.00 | 0.00871 | 110.00 | -13.00 | 0.00840 |
| 110.00 | -15.00 | 0.00809 | 110.00 | -17.00 | 0.00779 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 110.00 | -20.00 | 0.00735 | 110.00 | -25.00 | 0.00664 |
| 110.00 | -30.00 | 0.00598 | 110.00 | -40.00 | 0.00476 |
| 110.00 | -50.00 | 0.00375 | 110.00 | -60.00 | 0.00296 |
| 110.00 | -70.00 | 0.00235 | 110.00 | -80.00 | 0.00189 |
| 110.00 | -90.00 | 0.00154 | 110.00 | -100.00 | 0.00127 |
| 120.00 | 100.00 | 0.00016 | 120.00 | 90.00 | 0.00018 |
| 120.00 | 80.00 | 0.00022 | 120.00 | 70.00 | 0.00027 |
| 120.00 | 60.00 | 0.00034 | 120.00 | 50.00 | 0.00044 |
| 120.00 | 40.00 | 0.00060 | 120.00 | 30.00 | 0.00089 |
| 120.00 | 25.00 | 0.00112 | 120.00 | 20.00 | 0.00147 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 120.00 | 17.00 | 0.00174 | 120.00 | 15.00 | 0.00197 |
| 120.00 | 13.00 | 0.00224 | 120.00 | 11.00 | 0.00257 |
| 120.00 | 9.00 | 0.00299 | 120.00 | -9.00 | 0.00919 |
| 120.00 | -11.00 | 0.00883 | 120.00 | -13.00 | 0.00853 |
| 120.00 | -15.00 | 0.00826 | 120.00 | -17.00 | 0.00799 |
| 120.00 | -20.00 | 0.00758 | 120.00 | -25.00 | 0.00691 |
| 120.00 | -30.00 | 0.00627 | 120.00 | -40.00 | 0.00509 |
| 120.00 | -50.00 | 0.00408 | 120.00 | -60.00 | 0.00326 |
| 120.00 | -70.00 | 0.00262 | 120.00 | -80.00 | 0.00212 |
| 120.00 | -90.00 | 0.00173 | 120.00 | -100.00 | 0.00143 |
| 130.00 | 100.00 | 0.00014 | 130.00 | 90.00 | 0.00017 |
| 130.00 | 80.00 | 0.00020 | 130.00 | 70.00 | 0.00024 |
| 130.00 | 60.00 | 0.00030 | 130.00 | 50.00 | 0.00038 |
| 130.00 | 40.00 | 0.00051 | 130.00 | 30.00 | 0.00074 |
| 130.00 | 25.00 | 0.00093 | 130.00 | 20.00 | 0.00119 |
| 130.00 | 17.00 | 0.00141 | 130.00 | 15.00 | 0.00159 |
| 130.00 | 13.00 | 0.00181 | 130.00 | 11.00 | 0.00209 |
| 130.00 | 9.00 | 0.00247 | 130.00 | -9.00 | 0.00918 |
| 130.00 | -11.00 | 0.00885 | 130.00 | -13.00 | 0.00854 |
| 130.00 | -15.00 | 0.00829 | 130.00 | -17.00 | 0.00804 |
| 130.00 | -20.00 | 0.00766 | 130.00 | -25.00 | 0.00702 |
| 130.00 | -30.00 | 0.00640 | 130.00 | -40.00 | 0.00527 |
| 130.00 | -50.00 | 0.00429 | 130.00 | -60.00 | 0.00348 |
| 130.00 | -70.00 | 0.00282 | 130.00 | -80.00 | 0.00230 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 130.00 | -90.00 | 0.00189 | 130.00 | -100.00 | 0.00157 |
| 140.00 | 100.00 | 0.00013 | 140.00 | 90.00 | 0.00015 |
| 140.00 | 80.00 | 0.00018 | 140.00 | 70.00 | 0.00022 |
| 140.00 | 60.00 | 0.00027 | 140.00 | 50.00 | 0.00034 |
| 140.00 | 40.00 | 0.00047 | 140.00 | 30.00 | 0.00068 |
| 140.00 | 25.00 | 0.00084 | 140.00 | 20.00 | 0.00108 |
| 140.00 | 17.00 | 0.00127 | 140.00 | 15.00 | 0.00143 |
| 140.00 | 13.00 | 0.00162 | 140.00 | 11.00 | 0.00186 |
| 140.00 | 9.00 | 0.00216 | 140.00 | -9.00 | 0.00818 |
| 140.00 | -11.00 | 0.00816 | 140.00 | -13.00 | 0.00802 |
| 140.00 | -15.00 | 0.00784 | 140.00 | -17.00 | 0.00766 |
| 140.00 | -20.00 | 0.00736 | 140.00 | -25.00 | 0.00682 |
| 140.00 | -30.00 | 0.00627 | 140.00 | -40.00 | 0.00525 |
| 140.00 | -50.00 | 0.00434 | 140.00 | -60.00 | 0.00357 |
| 140.00 | -70.00 | 0.00294 | 140.00 | -80.00 | 0.00242 |
| 140.00 | -90.00 | 0.00201 | 140.00 | -100.00 | 0.00167 |

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

10:54:17

**MODELOPTs:

PAGE 58

CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at East/West 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 150.00 | 100.00 | 0.00012 | 150.00 | 90.00 | 0.00014 |
| 150.00 | 80.00 | 0.00017 | 150.00 | 70.00 | 0.00020 |
| 150.00 | 60.00 | 0.00025 | 150.00 | 50.00 | 0.00032 |
| 150.00 | 40.00 | 0.00044 | 150.00 | 30.00 | 0.00064 |
| 150.00 | 25.00 | 0.00079 | 150.00 | 20.00 | 0.00100 |
| 150.00 | 17.00 | 0.00118 | 150.00 | 15.00 | 0.00132 |
| 150.00 | 13.00 | 0.00150 | 150.00 | 11.00 | 0.00171 |
| 150.00 | 9.00 | 0.00196 | 150.00 | -9.00 | 0.00565 |
| 150.00 | -11.00 | 0.00594 | 150.00 | -13.00 | 0.00614 |
| 150.00 | -15.00 | 0.00628 | 150.00 | -17.00 | 0.00633 |
| 150.00 | -20.00 | 0.00632 | 150.00 | -25.00 | 0.00611 |
| 150.00 | -30.00 | 0.00577 | 150.00 | -40.00 | 0.00500 |
| 150.00 | -50.00 | 0.00423 | 150.00 | -60.00 | 0.00355 |
| 150.00 | -70.00 | 0.00297 | 150.00 | -80.00 | 0.00248 |
| 150.00 | -90.00 | 0.00207 | 150.00 | -100.00 | 0.00175 |
| 160.00 | 100.00 | 0.00012 | 160.00 | 90.00 | 0.00014 |
| 160.00 | 80.00 | 0.00016 | 160.00 | 70.00 | 0.00019 |
| 160.00 | 60.00 | 0.00024 | 160.00 | 50.00 | 0.00030 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 160.00 | 40.00 | 0.00041 | 160.00 | 30.00 | 0.00059 |
| 160.00 | 25.00 | 0.00074 | 160.00 | 20.00 | 0.00093 |
| 160.00 | 17.00 | 0.00109 | 160.00 | 15.00 | 0.00121 |
| 160.00 | 13.00 | 0.00134 | 160.00 | 11.00 | 0.00150 |
| 160.00 | 9.00 | 0.00168 | 160.00 | -9.00 | 0.00392 |
| 160.00 | -11.00 | 0.00415 | 160.00 | -13.00 | 0.00436 |
| 160.00 | -15.00 | 0.00454 | 160.00 | -17.00 | 0.00469 |
| 160.00 | -20.00 | 0.00485 | 160.00 | -25.00 | 0.00495 |
| 160.00 | -30.00 | 0.00488 | 160.00 | -40.00 | 0.00449 |
| 160.00 | -50.00 | 0.00396 | 160.00 | -60.00 | 0.00341 |
| 160.00 | -70.00 | 0.00291 | 160.00 | -80.00 | 0.00248 |
| 160.00 | -90.00 | 0.00210 | 160.00 | -100.00 | 0.00179 |
| 170.00 | 100.00 | 0.00011 | 170.00 | 90.00 | 0.00013 |
| 170.00 | 80.00 | 0.00015 | 170.00 | 70.00 | 0.00018 |
| 170.00 | 60.00 | 0.00022 | 170.00 | 50.00 | 0.00029 |
| 170.00 | 40.00 | 0.00039 | 170.00 | 30.00 | 0.00056 |
| 170.00 | 25.00 | 0.00069 | 170.00 | 20.00 | 0.00085 |
| 170.00 | 17.00 | 0.00098 | 170.00 | 15.00 | 0.00107 |
| 170.00 | 13.00 | 0.00117 | 170.00 | 11.00 | 0.00128 |
| 170.00 | 9.00 | 0.00141 | 170.00 | -9.00 | 0.00285 |
| 170.00 | -11.00 | 0.00301 | 170.00 | -13.00 | 0.00317 |
| 170.00 | -15.00 | 0.00331 | 170.00 | -17.00 | 0.00344 |

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

10:54:17

**MODELOPTs:

PAGE 59

CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at East/West 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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 170.00 | -20.00 | 0.00361 | 170.00 | -25.00 | 0.00381 |
| 170.00 | -30.00 | 0.00391 | 170.00 | -40.00 | 0.00383 |
| 170.00 | -50.00 | 0.00354 | 170.00 | -60.00 | 0.00316 |
| 170.00 | -70.00 | 0.00278 | 170.00 | -80.00 | 0.00241 |
| 170.00 | -90.00 | 0.00208 | 170.00 | -100.00 | 0.00179 |
| 180.00 | 100.00 | 0.00010 | 180.00 | 90.00 | 0.00012 |
| 180.00 | 80.00 | 0.00014 | 180.00 | 70.00 | 0.00017 |
| 180.00 | 60.00 | 0.00021 | 180.00 | 50.00 | 0.00027 |
| 180.00 | 40.00 | 0.00037 | 180.00 | 30.00 | 0.00053 |
| 180.00 | 25.00 | 0.00064 | 180.00 | 20.00 | 0.00077 |
| 180.00 | 17.00 | 0.00087 | 180.00 | 15.00 | 0.00094 |
| 180.00 | 13.00 | 0.00101 | 180.00 | 11.00 | 0.00109 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 180.00 | 9.00 | 0.00118 | 180.00 | -9.00 | 0.00216 |
| 180.00 | -11.00 | 0.00228 | 180.00 | -13.00 | 0.00239 |
| 180.00 | -15.00 | 0.00249 | 180.00 | -17.00 | 0.00260 |
| 180.00 | -20.00 | 0.00274 | 180.00 | -25.00 | 0.00293 |
| 180.00 | -30.00 | 0.00307 | 180.00 | -40.00 | 0.00316 |
| 180.00 | -50.00 | 0.00305 | 180.00 | -60.00 | 0.00283 |
| 180.00 | -70.00 | 0.00256 | 180.00 | -80.00 | 0.00228 |
| 180.00 | -90.00 | 0.00201 | 180.00 | -100.00 | 0.00177 |
| 190.00 | 100.00 | 0.00010 | 190.00 | 90.00 | 0.00011 |
| 190.00 | 80.00 | 0.00013 | 190.00 | 70.00 | 0.00016 |
| 190.00 | 60.00 | 0.00020 | 190.00 | 50.00 | 0.00026 |
| 190.00 | 40.00 | 0.00035 | 190.00 | 30.00 | 0.00049 |
| 190.00 | 25.00 | 0.00058 | 190.00 | 20.00 | 0.00069 |
| 190.00 | 17.00 | 0.00076 | 190.00 | 15.00 | 0.00081 |
| 190.00 | 13.00 | 0.00087 | 190.00 | 11.00 | 0.00093 |
| 190.00 | 9.00 | 0.00100 | 190.00 | -9.00 | 0.00170 |
| 190.00 | -11.00 | 0.00178 | 190.00 | -13.00 | 0.00186 |
| 190.00 | -15.00 | 0.00194 | 190.00 | -17.00 | 0.00201 |
| 190.00 | -20.00 | 0.00212 | 190.00 | -25.00 | 0.00229 |
| 190.00 | -30.00 | 0.00242 | 190.00 | -40.00 | 0.00257 |
| 190.00 | -50.00 | 0.00258 | 190.00 | -60.00 | 0.00248 |
| 190.00 | -70.00 | 0.00231 | 190.00 | -80.00 | 0.00211 |
| 190.00 | -90.00 | 0.00190 | 190.00 | -100.00 | 0.00170 |
| 200.00 | 100.00 | 0.00009 | 200.00 | 90.00 | 0.00011 |
| 200.00 | 80.00 | 0.00013 | 200.00 | 70.00 | 0.00015 |
| 200.00 | 60.00 | 0.00019 | 200.00 | 50.00 | 0.00025 |
| 200.00 | 40.00 | 0.00034 | 200.00 | 30.00 | 0.00045 |
| 200.00 | 25.00 | 0.00053 | 200.00 | 20.00 | 0.00061 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 200.00 | 17.00 | 0.00067 | 200.00 | 15.00 | 0.00071 |
| 200.00 | 13.00 | 0.00076 | 200.00 | 11.00 | 0.00080 |
| 200.00 | 9.00 | 0.00085 | 200.00 | -9.00 | 0.00137 |
| 200.00 | -11.00 | 0.00143 | 200.00 | -13.00 | 0.00149 |
| 200.00 | -15.00 | 0.00154 | 200.00 | -17.00 | 0.00160 |
| 200.00 | -20.00 | 0.00169 | 200.00 | -25.00 | 0.00182 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 200.00 | -30.00 | 0.00194 | 200.00 | -40.00 | 0.00210 |
| 200.00 | -50.00 | 0.00216 | 200.00 | -60.00 | 0.00214 |
| 200.00 | -70.00 | 0.00205 | 200.00 | -80.00 | 0.00192 |
| 200.00 | -90.00 | 0.00177 | 200.00 | -100.00 | 0.00161 |
| 210.00 | 100.00 | 0.00009 | 210.00 | 90.00 | 0.00010 |
| 210.00 | 80.00 | 0.00012 | 210.00 | 70.00 | 0.00015 |
| 210.00 | 60.00 | 0.00019 | 210.00 | 50.00 | 0.00024 |
| 210.00 | 40.00 | 0.00032 | 210.00 | 30.00 | 0.00042 |
| 210.00 | 25.00 | 0.00048 | 210.00 | 20.00 | 0.00055 |
| 210.00 | 17.00 | 0.00059 | 210.00 | 15.00 | 0.00063 |
| 210.00 | 13.00 | 0.00066 | 210.00 | 11.00 | 0.00070 |
| 210.00 | 9.00 | 0.00074 | 210.00 | -9.00 | 0.00113 |
| 210.00 | -11.00 | 0.00117 | 210.00 | -13.00 | 0.00122 |
| 210.00 | -15.00 | 0.00126 | 210.00 | -17.00 | 0.00130 |
| 210.00 | -20.00 | 0.00137 | 210.00 | -25.00 | 0.00148 |
| 210.00 | -30.00 | 0.00157 | 210.00 | -40.00 | 0.00172 |
| 210.00 | -50.00 | 0.00181 | 210.00 | -60.00 | 0.00183 |
| 210.00 | -70.00 | 0.00180 | 210.00 | -80.00 | 0.00172 |
| 210.00 | -90.00 | 0.00161 | 210.00 | -100.00 | 0.00150 |
| 220.00 | 100.00 | 0.00008 | 220.00 | 90.00 | 0.00010 |
| 220.00 | 80.00 | 0.00012 | 220.00 | 70.00 | 0.00014 |
| 220.00 | 60.00 | 0.00018 | 220.00 | 50.00 | 0.00023 |
| 220.00 | 40.00 | 0.00030 | 220.00 | 30.00 | 0.00038 |
| 220.00 | 25.00 | 0.00043 | 220.00 | 20.00 | 0.00049 |
| 220.00 | 17.00 | 0.00053 | 220.00 | 15.00 | 0.00055 |
| 220.00 | 13.00 | 0.00058 | 220.00 | 11.00 | 0.00061 |
| 220.00 | 9.00 | 0.00064 | 220.00 | -9.00 | 0.00095 |
| 220.00 | -11.00 | 0.00098 | 220.00 | -13.00 | 0.00101 |
| 220.00 | -15.00 | 0.00105 | 220.00 | -17.00 | 0.00108 |
| 220.00 | -20.00 | 0.00113 | 220.00 | -25.00 | 0.00122 |
| 220.00 | -30.00 | 0.00130 | 220.00 | -40.00 | 0.00143 |
| 220.00 | -50.00 | 0.00152 | 220.00 | -60.00 | 0.00157 |
| 220.00 | -70.00 | 0.00157 | 220.00 | -80.00 | 0.00153 |
| 220.00 | -90.00 | 0.00146 | 220.00 | -100.00 | 0.00138 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|------|-------------|-------------|------|
|-------------|-------------|------|-------------|-------------|------|

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 230.00 | 100.00 | 0.00008 | 230.00 | 90.00 | 0.00010 |
| 230.00 | 80.00 | 0.00011 | 230.00 | 70.00 | 0.00014 |
| 230.00 | 60.00 | 0.00018 | 230.00 | 50.00 | 0.00022 |
| 230.00 | 40.00 | 0.00028 | 230.00 | 30.00 | 0.00035 |
| 230.00 | 25.00 | 0.00039 | 230.00 | 20.00 | 0.00044 |
| 230.00 | 17.00 | 0.00047 | 230.00 | 15.00 | 0.00049 |
| 230.00 | 13.00 | 0.00051 | 230.00 | 11.00 | 0.00054 |
| 230.00 | 9.00 | 0.00056 | 230.00 | -9.00 | 0.00081 |
| 230.00 | -11.00 | 0.00083 | 230.00 | -13.00 | 0.00086 |
| 230.00 | -15.00 | 0.00089 | 230.00 | -17.00 | 0.00091 |
| 230.00 | -20.00 | 0.00095 | 230.00 | -25.00 | 0.00102 |
| 230.00 | -30.00 | 0.00109 | 230.00 | -40.00 | 0.00120 |
| 230.00 | -50.00 | 0.00129 | 230.00 | -60.00 | 0.00134 |
| 230.00 | -70.00 | 0.00137 | 230.00 | -80.00 | 0.00135 |
| 230.00 | -90.00 | 0.00132 | 230.00 | -100.00 | 0.00126 |
| 240.00 | 100.00 | 0.00008 | 240.00 | 90.00 | 0.00009 |
| 240.00 | 80.00 | 0.00011 | 240.00 | 70.00 | 0.00014 |
| 240.00 | 60.00 | 0.00017 | 240.00 | 50.00 | 0.00021 |
| 240.00 | 40.00 | 0.00026 | 240.00 | 30.00 | 0.00032 |
| 240.00 | 25.00 | 0.00036 | 240.00 | 20.00 | 0.00039 |
| 240.00 | 17.00 | 0.00042 | 240.00 | 15.00 | 0.00044 |
| 240.00 | 13.00 | 0.00046 | 240.00 | 11.00 | 0.00048 |
| 240.00 | 9.00 | 0.00050 | 240.00 | -9.00 | 0.00069 |
| 240.00 | -11.00 | 0.00072 | 240.00 | -13.00 | 0.00074 |
| 240.00 | -15.00 | 0.00076 | 240.00 | -17.00 | 0.00078 |
| 240.00 | -20.00 | 0.00081 | 240.00 | -25.00 | 0.00087 |
| 240.00 | -30.00 | 0.00092 | 240.00 | -40.00 | 0.00102 |
| 240.00 | -50.00 | 0.00110 | 240.00 | -60.00 | 0.00116 |
| 240.00 | -70.00 | 0.00119 | 240.00 | -80.00 | 0.00120 |
| 240.00 | -90.00 | 0.00118 | 240.00 | -100.00 | 0.00114 |
| 250.00 | 100.00 | 0.00008 | 250.00 | 90.00 | 0.00009 |
| 250.00 | 80.00 | 0.00011 | 250.00 | 70.00 | 0.00013 |
| 250.00 | 60.00 | 0.00016 | 250.00 | 50.00 | 0.00020 |
| 250.00 | 40.00 | 0.00024 | 250.00 | 30.00 | 0.00029 |
| 250.00 | 25.00 | 0.00032 | 250.00 | 20.00 | 0.00036 |
| 250.00 | 17.00 | 0.00038 | 250.00 | 15.00 | 0.00040 |
| 250.00 | 13.00 | 0.00041 | 250.00 | 11.00 | 0.00043 |
| 250.00 | 9.00 | 0.00044 | 250.00 | -9.00 | 0.00060 |
| 250.00 | -11.00 | 0.00062 | 250.00 | -13.00 | 0.00064 |
| 250.00 | -15.00 | 0.00066 | 250.00 | -17.00 | 0.00068 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17
**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 | |
| 250.00 | -20.00 | 0.00070 | 250.00 | -25.00 | 0.00075 | |
| 250.00 | -30.00 | 0.00079 | 250.00 | -40.00 | 0.00088 | |
| 250.00 | -50.00 | 0.00095 | 250.00 | -60.00 | 0.00100 | |
| 250.00 | -70.00 | 0.00104 | 250.00 | -80.00 | 0.00106 | |
| 250.00 | -90.00 | 0.00105 | 250.00 | -100.00 | 0.00104 | |

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

10:54:17
 **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 | |
| -250.00 | 100.00 | 0.00013 | -250.00 | 90.00 | 0.00014 | |
| -250.00 | 80.00 | 0.00014 | -250.00 | 70.00 | 0.00014 | |
| -250.00 | 60.00 | 0.00014 | -250.00 | 50.00 | 0.00013 | |
| -250.00 | 40.00 | 0.00013 | -250.00 | 30.00 | 0.00012 | |
| -250.00 | 25.00 | 0.00012 | -250.00 | 20.00 | 0.00012 | |
| -250.00 | 17.00 | 0.00012 | -250.00 | 15.00 | 0.00011 | |
| -250.00 | 13.00 | 0.00011 | -250.00 | 11.00 | 0.00011 | |
| -250.00 | 9.00 | 0.00011 | -250.00 | -9.00 | 0.00010 | |
| -250.00 | -11.00 | 0.00010 | -250.00 | -13.00 | 0.00010 | |
| -250.00 | -15.00 | 0.00010 | -250.00 | -17.00 | 0.00010 | |
| -250.00 | -20.00 | 0.00009 | -250.00 | -25.00 | 0.00009 | |
| -250.00 | -30.00 | 0.00009 | -250.00 | -40.00 | 0.00009 | |
| -250.00 | -50.00 | 0.00008 | -250.00 | -60.00 | 0.00008 | |
| -250.00 | -70.00 | 0.00008 | -250.00 | -80.00 | 0.00008 | |
| -250.00 | -90.00 | 0.00008 | -250.00 | -100.00 | 0.00008 | |
| -240.00 | 100.00 | 0.00014 | -240.00 | 90.00 | 0.00015 | |
| -240.00 | 80.00 | 0.00015 | -240.00 | 70.00 | 0.00015 | |
| -240.00 | 60.00 | 0.00015 | -240.00 | 50.00 | 0.00014 | |
| -240.00 | 40.00 | 0.00014 | -240.00 | 30.00 | 0.00013 | |
| -240.00 | 25.00 | 0.00013 | -240.00 | 20.00 | 0.00013 | |
| -240.00 | 17.00 | 0.00012 | -240.00 | 15.00 | 0.00012 | |
| -240.00 | 13.00 | 0.00012 | -240.00 | 11.00 | 0.00012 | |
| -240.00 | 9.00 | 0.00012 | -240.00 | -9.00 | 0.00011 | |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -240.00 | -11.00 | 0.00011 | -240.00 | -13.00 | 0.00011 |
| -240.00 | -15.00 | 0.00010 | -240.00 | -17.00 | 0.00010 |
| -240.00 | -20.00 | 0.00010 | -240.00 | -25.00 | 0.00010 |
| -240.00 | -30.00 | 0.00010 | -240.00 | -40.00 | 0.00009 |
| -240.00 | -50.00 | 0.00009 | -240.00 | -60.00 | 0.00009 |
| -240.00 | -70.00 | 0.00009 | -240.00 | -80.00 | 0.00009 |
| -240.00 | -90.00 | 0.00009 | -240.00 | -100.00 | 0.00009 |
| -230.00 | 100.00 | 0.00015 | -230.00 | 90.00 | 0.00016 |
| -230.00 | 80.00 | 0.00016 | -230.00 | 70.00 | 0.00016 |
| -230.00 | 60.00 | 0.00016 | -230.00 | 50.00 | 0.00016 |
| -230.00 | 40.00 | 0.00015 | -230.00 | 30.00 | 0.00014 |
| -230.00 | 25.00 | 0.00014 | -230.00 | 20.00 | 0.00014 |
| -230.00 | 17.00 | 0.00014 | -230.00 | 15.00 | 0.00013 |
| -230.00 | 13.00 | 0.00013 | -230.00 | 11.00 | 0.00013 |
| -230.00 | 9.00 | 0.00013 | -230.00 | -9.00 | 0.00012 |
| -230.00 | -11.00 | 0.00012 | -230.00 | -13.00 | 0.00011 |
| -230.00 | -15.00 | 0.00011 | -230.00 | -17.00 | 0.00011 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -230.00 | -20.00 | 0.00011 | -230.00 | -25.00 | 0.00011 |
| -230.00 | -30.00 | 0.00010 | -230.00 | -40.00 | 0.00010 |
| -230.00 | -50.00 | 0.00010 | -230.00 | -60.00 | 0.00009 |
| -230.00 | -70.00 | 0.00009 | -230.00 | -80.00 | 0.00009 |
| -230.00 | -90.00 | 0.00009 | -230.00 | -100.00 | 0.00009 |
| -220.00 | 100.00 | 0.00016 | -220.00 | 90.00 | 0.00017 |
| -220.00 | 80.00 | 0.00017 | -220.00 | 70.00 | 0.00018 |
| -220.00 | 60.00 | 0.00018 | -220.00 | 50.00 | 0.00017 |
| -220.00 | 40.00 | 0.00016 | -220.00 | 30.00 | 0.00016 |
| -220.00 | 25.00 | 0.00015 | -220.00 | 20.00 | 0.00015 |
| -220.00 | 17.00 | 0.00015 | -220.00 | 15.00 | 0.00015 |
| -220.00 | 13.00 | 0.00014 | -220.00 | 11.00 | 0.00014 |
| -220.00 | 9.00 | 0.00014 | -220.00 | -9.00 | 0.00013 |
| -220.00 | -11.00 | 0.00013 | -220.00 | -13.00 | 0.00012 |
| -220.00 | -15.00 | 0.00012 | -220.00 | -17.00 | 0.00012 |
| -220.00 | -20.00 | 0.00012 | -220.00 | -25.00 | 0.00011 |
| -220.00 | -30.00 | 0.00011 | -220.00 | -40.00 | 0.00011 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -190.00 | 80.00 | 0.00022 | -190.00 | 70.00 | 0.00023 |
| -190.00 | 60.00 | 0.00023 | -190.00 | 50.00 | 0.00023 |
| -190.00 | 40.00 | 0.00022 | -190.00 | 30.00 | 0.00021 |
| -190.00 | 25.00 | 0.00021 | -190.00 | 20.00 | 0.00020 |
| -190.00 | 17.00 | 0.00020 | -190.00 | 15.00 | 0.00020 |
| -190.00 | 13.00 | 0.00019 | -190.00 | 11.00 | 0.00019 |
| -190.00 | 9.00 | 0.00019 | -190.00 | -9.00 | 0.00017 |
| -190.00 | -11.00 | 0.00016 | -190.00 | -13.00 | 0.00016 |
| -190.00 | -15.00 | 0.00016 | -190.00 | -17.00 | 0.00016 |
| -190.00 | -20.00 | 0.00015 | -190.00 | -25.00 | 0.00015 |
| -190.00 | -30.00 | 0.00014 | -190.00 | -40.00 | 0.00014 |
| -190.00 | -50.00 | 0.00013 | -190.00 | -60.00 | 0.00013 |
| -190.00 | -70.00 | 0.00013 | -190.00 | -80.00 | 0.00013 |
| -190.00 | -90.00 | 0.00013 | -190.00 | -100.00 | 0.00012 |
| -180.00 | 100.00 | 0.00021 | -180.00 | 90.00 | 0.00023 |
| -180.00 | 80.00 | 0.00024 | -180.00 | 70.00 | 0.00025 |
| -180.00 | 60.00 | 0.00025 | -180.00 | 50.00 | 0.00026 |
| -180.00 | 40.00 | 0.00025 | -180.00 | 30.00 | 0.00024 |
| -180.00 | 25.00 | 0.00023 | -180.00 | 20.00 | 0.00022 |
| -180.00 | 17.00 | 0.00022 | -180.00 | 15.00 | 0.00022 |
| -180.00 | 13.00 | 0.00021 | -180.00 | 11.00 | 0.00021 |
| -180.00 | 9.00 | 0.00021 | -180.00 | -9.00 | 0.00018 |
| -180.00 | -11.00 | 0.00018 | -180.00 | -13.00 | 0.00018 |
| -180.00 | -15.00 | 0.00017 | -180.00 | -17.00 | 0.00017 |
| -180.00 | -20.00 | 0.00017 | -180.00 | -25.00 | 0.00016 |
| -180.00 | -30.00 | 0.00016 | -180.00 | -40.00 | 0.00015 |
| -180.00 | -50.00 | 0.00015 | -180.00 | -60.00 | 0.00015 |
| -180.00 | -70.00 | 0.00015 | -180.00 | -80.00 | 0.00014 |
| -180.00 | -90.00 | 0.00014 | -180.00 | -100.00 | 0.00013 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -170.00 | 100.00 | 0.00023 | -170.00 | 90.00 | 0.00025 |
| -170.00 | 80.00 | 0.00026 | -170.00 | 70.00 | 0.00027 |
| -170.00 | 60.00 | 0.00028 | -170.00 | 50.00 | 0.00028 |
| -170.00 | 40.00 | 0.00028 | -170.00 | 30.00 | 0.00027 |
| -170.00 | 25.00 | 0.00026 | -170.00 | 20.00 | 0.00025 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -170.00 | 17.00 | 0.00025 | -170.00 | 15.00 | 0.00024 |
| -170.00 | 13.00 | 0.00024 | -170.00 | 11.00 | 0.00024 |
| -170.00 | 9.00 | 0.00023 | -170.00 | -9.00 | 0.00020 |
| -170.00 | -11.00 | 0.00020 | -170.00 | -13.00 | 0.00019 |
| -170.00 | -15.00 | 0.00019 | -170.00 | -17.00 | 0.00019 |
| -170.00 | -20.00 | 0.00018 | -170.00 | -25.00 | 0.00018 |
| -170.00 | -30.00 | 0.00017 | -170.00 | -40.00 | 0.00017 |
| -170.00 | -50.00 | 0.00017 | -170.00 | -60.00 | 0.00016 |
| -170.00 | -70.00 | 0.00016 | -170.00 | -80.00 | 0.00016 |
| -170.00 | -90.00 | 0.00015 | -170.00 | -100.00 | 0.00014 |
| -160.00 | 100.00 | 0.00025 | -160.00 | 90.00 | 0.00027 |
| -160.00 | 80.00 | 0.00028 | -160.00 | 70.00 | 0.00030 |
| -160.00 | 60.00 | 0.00031 | -160.00 | 50.00 | 0.00032 |
| -160.00 | 40.00 | 0.00032 | -160.00 | 30.00 | 0.00030 |
| -160.00 | 25.00 | 0.00029 | -160.00 | 20.00 | 0.00028 |
| -160.00 | 17.00 | 0.00028 | -160.00 | 15.00 | 0.00027 |
| -160.00 | 13.00 | 0.00027 | -160.00 | 11.00 | 0.00027 |
| -160.00 | 9.00 | 0.00026 | -160.00 | -9.00 | 0.00022 |
| -160.00 | -11.00 | 0.00022 | -160.00 | -13.00 | 0.00022 |
| -160.00 | -15.00 | 0.00021 | -160.00 | -17.00 | 0.00021 |
| -160.00 | -20.00 | 0.00020 | -160.00 | -25.00 | 0.00020 |
| -160.00 | -30.00 | 0.00019 | -160.00 | -40.00 | 0.00019 |
| -160.00 | -50.00 | 0.00019 | -160.00 | -60.00 | 0.00018 |
| -160.00 | -70.00 | 0.00018 | -160.00 | -80.00 | 0.00017 |
| -160.00 | -90.00 | 0.00016 | -160.00 | -100.00 | 0.00015 |
| -150.00 | 100.00 | 0.00027 | -150.00 | 90.00 | 0.00029 |
| -150.00 | 80.00 | 0.00031 | -150.00 | 70.00 | 0.00033 |
| -150.00 | 60.00 | 0.00034 | -150.00 | 50.00 | 0.00036 |
| -150.00 | 40.00 | 0.00036 | -150.00 | 30.00 | 0.00035 |
| -150.00 | 25.00 | 0.00034 | -150.00 | 20.00 | 0.00032 |
| -150.00 | 17.00 | 0.00032 | -150.00 | 15.00 | 0.00031 |
| -150.00 | 13.00 | 0.00031 | -150.00 | 11.00 | 0.00030 |
| -150.00 | 9.00 | 0.00030 | -150.00 | -9.00 | 0.00025 |
| -150.00 | -11.00 | 0.00025 | -150.00 | -13.00 | 0.00024 |
| -150.00 | -15.00 | 0.00024 | -150.00 | -17.00 | 0.00023 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at East/West Bound Direction ***
 10:54:17
 **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 **

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound
CONC

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -150.00 | -20.00 | 0.00023 | -150.00 | -25.00 | 0.00022 |
| -150.00 | -30.00 | 0.00021 | -150.00 | -40.00 | 0.00021 |
| -150.00 | -50.00 | 0.00021 | -150.00 | -60.00 | 0.00020 |
| -150.00 | -70.00 | 0.00019 | -150.00 | -80.00 | 0.00018 |
| -150.00 | -90.00 | 0.00017 | -150.00 | -100.00 | 0.00016 |
| -140.00 | 100.00 | 0.00029 | -140.00 | 90.00 | 0.00031 |
| -140.00 | 80.00 | 0.00034 | -140.00 | 70.00 | 0.00036 |
| -140.00 | 60.00 | 0.00038 | -140.00 | 50.00 | 0.00040 |
| -140.00 | 40.00 | 0.00041 | -140.00 | 30.00 | 0.00040 |
| -140.00 | 25.00 | 0.00039 | -140.00 | 20.00 | 0.00037 |
| -140.00 | 17.00 | 0.00036 | -140.00 | 15.00 | 0.00036 |
| -140.00 | 13.00 | 0.00035 | -140.00 | 11.00 | 0.00035 |
| -140.00 | 9.00 | 0.00034 | -140.00 | -9.00 | 0.00028 |
| -140.00 | -11.00 | 0.00028 | -140.00 | -13.00 | 0.00027 |
| -140.00 | -15.00 | 0.00027 | -140.00 | -17.00 | 0.00026 |
| -140.00 | -20.00 | 0.00025 | -140.00 | -25.00 | 0.00025 |
| -140.00 | -30.00 | 0.00024 | -140.00 | -40.00 | 0.00024 |
| -140.00 | -50.00 | 0.00023 | -140.00 | -60.00 | 0.00023 |
| -140.00 | -70.00 | 0.00021 | -140.00 | -80.00 | 0.00020 |
| -140.00 | -90.00 | 0.00018 | -140.00 | -100.00 | 0.00017 |
| -130.00 | 100.00 | 0.00031 | -130.00 | 90.00 | 0.00034 |
| -130.00 | 80.00 | 0.00037 | -130.00 | 70.00 | 0.00040 |
| -130.00 | 60.00 | 0.00043 | -130.00 | 50.00 | 0.00045 |
| -130.00 | 40.00 | 0.00047 | -130.00 | 30.00 | 0.00046 |
| -130.00 | 25.00 | 0.00045 | -130.00 | 20.00 | 0.00043 |
| -130.00 | 17.00 | 0.00042 | -130.00 | 15.00 | 0.00042 |
| -130.00 | 13.00 | 0.00041 | -130.00 | 11.00 | 0.00040 |
| -130.00 | 9.00 | 0.00039 | -130.00 | -9.00 | 0.00032 |
| -130.00 | -11.00 | 0.00031 | -130.00 | -13.00 | 0.00031 |
| -130.00 | -15.00 | 0.00030 | -130.00 | -17.00 | 0.00029 |
| -130.00 | -20.00 | 0.00029 | -130.00 | -25.00 | 0.00028 |
| -130.00 | -30.00 | 0.00027 | -130.00 | -40.00 | 0.00027 |
| -130.00 | -50.00 | 0.00026 | -130.00 | -60.00 | 0.00025 |
| -130.00 | -70.00 | 0.00023 | -130.00 | -80.00 | 0.00021 |
| -130.00 | -90.00 | 0.00020 | -130.00 | -100.00 | 0.00018 |
| -120.00 | 100.00 | 0.00034 | -120.00 | 90.00 | 0.00037 |
| -120.00 | 80.00 | 0.00040 | -120.00 | 70.00 | 0.00044 |
| -120.00 | 60.00 | 0.00048 | -120.00 | 50.00 | 0.00051 |
| -120.00 | 40.00 | 0.00054 | -120.00 | 30.00 | 0.00054 |
| -120.00 | 25.00 | 0.00053 | -120.00 | 20.00 | 0.00051 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -120.00 | 17.00 | 0.00050 | -120.00 | 15.00 | 0.00049 |
| -120.00 | 13.00 | 0.00048 | -120.00 | 11.00 | 0.00047 |
| -120.00 | 9.00 | 0.00046 | -120.00 | -9.00 | 0.00037 |
| -120.00 | -11.00 | 0.00036 | -120.00 | -13.00 | 0.00035 |
| -120.00 | -15.00 | 0.00034 | -120.00 | -17.00 | 0.00033 |
| -120.00 | -20.00 | 0.00033 | -120.00 | -25.00 | 0.00032 |
| -120.00 | -30.00 | 0.00031 | -120.00 | -40.00 | 0.00031 |
| -120.00 | -50.00 | 0.00030 | -120.00 | -60.00 | 0.00028 |
| -120.00 | -70.00 | 0.00026 | -120.00 | -80.00 | 0.00023 |
| -120.00 | -90.00 | 0.00021 | -120.00 | -100.00 | 0.00019 |
| -110.00 | 100.00 | 0.00036 | -110.00 | 90.00 | 0.00040 |
| -110.00 | 80.00 | 0.00044 | -110.00 | 70.00 | 0.00049 |
| -110.00 | 60.00 | 0.00054 | -110.00 | 50.00 | 0.00058 |
| -110.00 | 40.00 | 0.00062 | -110.00 | 30.00 | 0.00064 |
| -110.00 | 25.00 | 0.00063 | -110.00 | 20.00 | 0.00061 |
| -110.00 | 17.00 | 0.00059 | -110.00 | 15.00 | 0.00058 |
| -110.00 | 13.00 | 0.00057 | -110.00 | 11.00 | 0.00056 |
| -110.00 | 9.00 | 0.00054 | -110.00 | -9.00 | 0.00042 |
| -110.00 | -11.00 | 0.00041 | -110.00 | -13.00 | 0.00040 |
| -110.00 | -15.00 | 0.00039 | -110.00 | -17.00 | 0.00038 |
| -110.00 | -20.00 | 0.00038 | -110.00 | -25.00 | 0.00037 |
| -110.00 | -30.00 | 0.00037 | -110.00 | -40.00 | 0.00036 |
| -110.00 | -50.00 | 0.00033 | -110.00 | -60.00 | 0.00031 |
| -110.00 | -70.00 | 0.00028 | -110.00 | -80.00 | 0.00025 |
| -110.00 | -90.00 | 0.00023 | -110.00 | -100.00 | 0.00021 |
| -100.00 | 100.00 | 0.00038 | -100.00 | 90.00 | 0.00043 |
| -100.00 | 80.00 | 0.00048 | -100.00 | 70.00 | 0.00054 |
| -100.00 | 60.00 | 0.00060 | -100.00 | 50.00 | 0.00066 |
| -100.00 | 40.00 | 0.00072 | -100.00 | 30.00 | 0.00075 |
| -100.00 | 25.00 | 0.00075 | -100.00 | 20.00 | 0.00074 |
| -100.00 | 17.00 | 0.00072 | -100.00 | 15.00 | 0.00071 |
| -100.00 | 13.00 | 0.00069 | -100.00 | 11.00 | 0.00067 |
| -100.00 | 9.00 | 0.00065 | -100.00 | -9.00 | 0.00049 |
| -100.00 | -11.00 | 0.00048 | -100.00 | -13.00 | 0.00046 |
| -100.00 | -15.00 | 0.00045 | -100.00 | -17.00 | 0.00045 |
| -100.00 | -20.00 | 0.00044 | -100.00 | -25.00 | 0.00043 |
| -100.00 | -30.00 | 0.00043 | -100.00 | -40.00 | 0.00041 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -100.00 | -50.00 | 0.00038 | -100.00 | -60.00 | 0.00034 |
| -100.00 | -70.00 | 0.00030 | -100.00 | -80.00 | 0.00027 |
| -100.00 | -90.00 | 0.00025 | -100.00 | -100.00 | 0.00022 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -90.00 | 100.00 | 0.00039 | -90.00 | 90.00 | 0.00045 |
| -90.00 | 80.00 | 0.00052 | -90.00 | 70.00 | 0.00059 |
| -90.00 | 60.00 | 0.00067 | -90.00 | 50.00 | 0.00076 |
| -90.00 | 40.00 | 0.00084 | -90.00 | 30.00 | 0.00089 |
| -90.00 | 25.00 | 0.00091 | -90.00 | 20.00 | 0.00090 |
| -90.00 | 17.00 | 0.00088 | -90.00 | 15.00 | 0.00087 |
| -90.00 | 13.00 | 0.00085 | -90.00 | 11.00 | 0.00083 |
| -90.00 | 9.00 | 0.00080 | -90.00 | -9.00 | 0.00057 |
| -90.00 | -11.00 | 0.00056 | -90.00 | -13.00 | 0.00054 |
| -90.00 | -15.00 | 0.00053 | -90.00 | -17.00 | 0.00053 |
| -90.00 | -20.00 | 0.00052 | -90.00 | -25.00 | 0.00051 |
| -90.00 | -30.00 | 0.00050 | -90.00 | -40.00 | 0.00046 |
| -90.00 | -50.00 | 0.00042 | -90.00 | -60.00 | 0.00037 |
| -90.00 | -70.00 | 0.00033 | -90.00 | -80.00 | 0.00030 |
| -90.00 | -90.00 | 0.00027 | -90.00 | -100.00 | 0.00025 |
| -80.00 | 100.00 | 0.00040 | -80.00 | 90.00 | 0.00046 |
| -80.00 | 80.00 | 0.00054 | -80.00 | 70.00 | 0.00063 |
| -80.00 | 60.00 | 0.00074 | -80.00 | 50.00 | 0.00086 |
| -80.00 | 40.00 | 0.00097 | -80.00 | 30.00 | 0.00107 |
| -80.00 | 25.00 | 0.00110 | -80.00 | 20.00 | 0.00111 |
| -80.00 | 17.00 | 0.00110 | -80.00 | 15.00 | 0.00108 |
| -80.00 | 13.00 | 0.00106 | -80.00 | 11.00 | 0.00103 |
| -80.00 | 9.00 | 0.00100 | -80.00 | -9.00 | 0.00068 |
| -80.00 | -11.00 | 0.00066 | -80.00 | -13.00 | 0.00064 |
| -80.00 | -15.00 | 0.00064 | -80.00 | -17.00 | 0.00063 |
| -80.00 | -20.00 | 0.00062 | -80.00 | -25.00 | 0.00060 |
| -80.00 | -30.00 | 0.00058 | -80.00 | -40.00 | 0.00053 |
| -80.00 | -50.00 | 0.00047 | -80.00 | -60.00 | 0.00042 |
| -80.00 | -70.00 | 0.00037 | -80.00 | -80.00 | 0.00033 |
| -80.00 | -90.00 | 0.00030 | -80.00 | -100.00 | 0.00028 |
| -70.00 | 100.00 | 0.00039 | -70.00 | 90.00 | 0.00047 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -70.00 | 80.00 | 0.00056 | -70.00 | 70.00 | 0.00066 |
| -70.00 | 60.00 | 0.00079 | -70.00 | 50.00 | 0.00095 |
| -70.00 | 40.00 | 0.00112 | -70.00 | 30.00 | 0.00128 |
| -70.00 | 25.00 | 0.00134 | -70.00 | 20.00 | 0.00138 |
| -70.00 | 17.00 | 0.00138 | -70.00 | 15.00 | 0.00137 |
| -70.00 | 13.00 | 0.00135 | -70.00 | 11.00 | 0.00132 |
| -70.00 | 9.00 | 0.00128 | -70.00 | -9.00 | 0.00081 |
| -70.00 | -11.00 | 0.00079 | -70.00 | -13.00 | 0.00077 |
| -70.00 | -15.00 | 0.00076 | -70.00 | -17.00 | 0.00075 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -70.00 | -20.00 | 0.00073 | -70.00 | -25.00 | 0.00070 |
| -70.00 | -30.00 | 0.00067 | -70.00 | -40.00 | 0.00060 |
| -70.00 | -50.00 | 0.00053 | -70.00 | -60.00 | 0.00047 |
| -70.00 | -70.00 | 0.00042 | -70.00 | -80.00 | 0.00038 |
| -70.00 | -90.00 | 0.00034 | -70.00 | -100.00 | 0.00031 |
| -60.00 | 100.00 | 0.00038 | -60.00 | 90.00 | 0.00046 |
| -60.00 | 80.00 | 0.00055 | -60.00 | 70.00 | 0.00067 |
| -60.00 | 60.00 | 0.00082 | -60.00 | 50.00 | 0.00101 |
| -60.00 | 40.00 | 0.00124 | -60.00 | 30.00 | 0.00150 |
| -60.00 | 25.00 | 0.00162 | -60.00 | 20.00 | 0.00171 |
| -60.00 | 17.00 | 0.00175 | -60.00 | 15.00 | 0.00176 |
| -60.00 | 13.00 | 0.00175 | -60.00 | 11.00 | 0.00173 |
| -60.00 | 9.00 | 0.00169 | -60.00 | -9.00 | 0.00098 |
| -60.00 | -11.00 | 0.00095 | -60.00 | -13.00 | 0.00093 |
| -60.00 | -15.00 | 0.00091 | -60.00 | -17.00 | 0.00089 |
| -60.00 | -20.00 | 0.00086 | -60.00 | -25.00 | 0.00082 |
| -60.00 | -30.00 | 0.00078 | -60.00 | -40.00 | 0.00070 |
| -60.00 | -50.00 | 0.00062 | -60.00 | -60.00 | 0.00055 |
| -60.00 | -70.00 | 0.00048 | -60.00 | -80.00 | 0.00043 |
| -60.00 | -90.00 | 0.00039 | -60.00 | -100.00 | 0.00035 |
| -50.00 | 100.00 | 0.00037 | -50.00 | 90.00 | 0.00044 |
| -50.00 | 80.00 | 0.00054 | -50.00 | 70.00 | 0.00066 |
| -50.00 | 60.00 | 0.00082 | -50.00 | 50.00 | 0.00103 |
| -50.00 | 40.00 | 0.00129 | -50.00 | 30.00 | 0.00163 |
| -50.00 | 25.00 | 0.00182 | -50.00 | 20.00 | 0.00201 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -50.00 | 17.00 | 0.00212 | -50.00 | 15.00 | 0.00218 |
| -50.00 | 13.00 | 0.00224 | -50.00 | 11.00 | 0.00228 |
| -50.00 | 9.00 | 0.00230 | -50.00 | -9.00 | 0.00121 |
| -50.00 | -11.00 | 0.00117 | -50.00 | -13.00 | 0.00113 |
| -50.00 | -15.00 | 0.00110 | -50.00 | -17.00 | 0.00108 |
| -50.00 | -20.00 | 0.00104 | -50.00 | -25.00 | 0.00099 |
| -50.00 | -30.00 | 0.00094 | -50.00 | -40.00 | 0.00084 |
| -50.00 | -50.00 | 0.00074 | -50.00 | -60.00 | 0.00065 |
| -50.00 | -70.00 | 0.00057 | -50.00 | -80.00 | 0.00050 |
| -50.00 | -90.00 | 0.00045 | -50.00 | -100.00 | 0.00040 |
| -40.00 | 100.00 | 0.00034 | -40.00 | 90.00 | 0.00042 |
| -40.00 | 80.00 | 0.00051 | -40.00 | 70.00 | 0.00064 |
| -40.00 | 60.00 | 0.00080 | -40.00 | 50.00 | 0.00101 |
| -40.00 | 40.00 | 0.00130 | -40.00 | 30.00 | 0.00166 |
| -40.00 | 25.00 | 0.00189 | -40.00 | 20.00 | 0.00212 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -40.00 | 17.00 | 0.00226 | -40.00 | 15.00 | 0.00235 |
| -40.00 | 13.00 | 0.00244 | -40.00 | 11.00 | 0.00255 |
| -40.00 | 9.00 | 0.00266 | -40.00 | -9.00 | 0.00229 |
| -40.00 | -11.00 | 0.00201 | -40.00 | -13.00 | 0.00183 |
| -40.00 | -15.00 | 0.00172 | -40.00 | -17.00 | 0.00163 |
| -40.00 | -20.00 | 0.00153 | -40.00 | -25.00 | 0.00140 |
| -40.00 | -30.00 | 0.00130 | -40.00 | -40.00 | 0.00111 |
| -40.00 | -50.00 | 0.00095 | -40.00 | -60.00 | 0.00081 |
| -40.00 | -70.00 | 0.00070 | -40.00 | -80.00 | 0.00061 |
| -40.00 | -90.00 | 0.00054 | -40.00 | -100.00 | 0.00048 |
| -30.00 | 100.00 | 0.00031 | -30.00 | 90.00 | 0.00038 |
| -30.00 | 80.00 | 0.00048 | -30.00 | 70.00 | 0.00060 |
| -30.00 | 60.00 | 0.00076 | -30.00 | 50.00 | 0.00098 |
| -30.00 | 40.00 | 0.00127 | -30.00 | 30.00 | 0.00165 |
| -30.00 | 25.00 | 0.00190 | -30.00 | 20.00 | 0.00217 |
| -30.00 | 17.00 | 0.00233 | -30.00 | 15.00 | 0.00245 |
| -30.00 | 13.00 | 0.00256 | -30.00 | 11.00 | 0.00270 |
| -30.00 | 9.00 | 0.00287 | -30.00 | -9.00 | 0.00485 |
| -30.00 | -11.00 | 0.00427 | -30.00 | -13.00 | 0.00379 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -30.00 | -15.00 | 0.00341 | -30.00 | -17.00 | 0.00309 |
| -30.00 | -20.00 | 0.00271 | -30.00 | -25.00 | 0.00227 |
| -30.00 | -30.00 | 0.00196 | -30.00 | -40.00 | 0.00154 |
| -30.00 | -50.00 | 0.00126 | -30.00 | -60.00 | 0.00105 |
| -30.00 | -70.00 | 0.00089 | -30.00 | -80.00 | 0.00076 |
| -30.00 | -90.00 | 0.00066 | -30.00 | -100.00 | 0.00058 |
| -20.00 | 100.00 | 0.00028 | -20.00 | 90.00 | 0.00034 |
| -20.00 | 80.00 | 0.00043 | -20.00 | 70.00 | 0.00055 |
| -20.00 | 60.00 | 0.00070 | -20.00 | 50.00 | 0.00092 |
| -20.00 | 40.00 | 0.00121 | -20.00 | 30.00 | 0.00162 |
| -20.00 | 25.00 | 0.00187 | -20.00 | 20.00 | 0.00217 |
| -20.00 | 17.00 | 0.00237 | -20.00 | 15.00 | 0.00252 |
| -20.00 | 13.00 | 0.00268 | -20.00 | 11.00 | 0.00287 |
| -20.00 | 9.00 | 0.00312 | -20.00 | -9.00 | 0.00663 |
| -20.00 | -11.00 | 0.00610 | -20.00 | -13.00 | 0.00563 |
| -20.00 | -15.00 | 0.00519 | -20.00 | -17.00 | 0.00479 |
| -20.00 | -20.00 | 0.00426 | -20.00 | -25.00 | 0.00353 |
| -20.00 | -30.00 | 0.00296 | -20.00 | -40.00 | 0.00219 |
| -20.00 | -50.00 | 0.00169 | -20.00 | -60.00 | 0.00135 |
| -20.00 | -70.00 | 0.00111 | -20.00 | -80.00 | 0.00094 |
| -20.00 | -90.00 | 0.00080 | -20.00 | -100.00 | 0.00069 |

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

10:54:17
 **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 |
| -10.00 | 100.00 | 0.00025 | -10.00 | 90.00 | 0.00030 |
| -10.00 | 80.00 | 0.00038 | -10.00 | 70.00 | 0.00049 |
| -10.00 | 60.00 | 0.00064 | -10.00 | 50.00 | 0.00085 |
| -10.00 | 40.00 | 0.00114 | -10.00 | 30.00 | 0.00155 |
| -10.00 | 25.00 | 0.00182 | -10.00 | 20.00 | 0.00214 |
| -10.00 | 17.00 | 0.00238 | -10.00 | 15.00 | 0.00256 |
| -10.00 | 13.00 | 0.00277 | -10.00 | 11.00 | 0.00301 |
| -10.00 | 9.00 | 0.00332 | -10.00 | -9.00 | 0.00772 |
| -10.00 | -11.00 | 0.00727 | -10.00 | -13.00 | 0.00685 |
| -10.00 | -15.00 | 0.00645 | -10.00 | -17.00 | 0.00607 |
| -10.00 | -20.00 | 0.00553 | -10.00 | -25.00 | 0.00471 |
| -10.00 | -30.00 | 0.00400 | -10.00 | -40.00 | 0.00294 |
| -10.00 | -50.00 | 0.00223 | -10.00 | -60.00 | 0.00174 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -10.00 | -70.00 | 0.00139 | -10.00 | -80.00 | 0.00114 |
| -10.00 | -90.00 | 0.00095 | -10.00 | -100.00 | 0.00081 |
| 0.00 | 100.00 | 0.00022 | 0.00 | 90.00 | 0.00027 |
| 0.00 | 80.00 | 0.00033 | 0.00 | 70.00 | 0.00043 |
| 0.00 | 60.00 | 0.00056 | 0.00 | 50.00 | 0.00075 |
| 0.00 | 40.00 | 0.00103 | 0.00 | 30.00 | 0.00144 |
| 0.00 | 25.00 | 0.00172 | 0.00 | 20.00 | 0.00208 |
| 0.00 | 17.00 | 0.00235 | 0.00 | 15.00 | 0.00255 |
| 0.00 | 13.00 | 0.00279 | 0.00 | 11.00 | 0.00307 |
| 0.00 | 9.00 | 0.00343 | 0.00 | -9.00 | 0.00840 |
| 0.00 | -11.00 | 0.00799 | 0.00 | -13.00 | 0.00762 |
| 0.00 | -15.00 | 0.00726 | 0.00 | -17.00 | 0.00691 |
| 0.00 | -20.00 | 0.00641 | 0.00 | -25.00 | 0.00560 |
| 0.00 | -30.00 | 0.00487 | 0.00 | -40.00 | 0.00367 |
| 0.00 | -50.00 | 0.00280 | 0.00 | -60.00 | 0.00217 |
| 0.00 | -70.00 | 0.00172 | 0.00 | -80.00 | 0.00138 |
| 0.00 | -90.00 | 0.00114 | 0.00 | -100.00 | 0.00095 |
| 10.00 | 100.00 | 0.00019 | 10.00 | 90.00 | 0.00023 |
| 10.00 | 80.00 | 0.00029 | 10.00 | 70.00 | 0.00037 |
| 10.00 | 60.00 | 0.00048 | 10.00 | 50.00 | 0.00064 |
| 10.00 | 40.00 | 0.00089 | 10.00 | 30.00 | 0.00129 |
| 10.00 | 25.00 | 0.00158 | 10.00 | 20.00 | 0.00196 |
| 10.00 | 17.00 | 0.00225 | 10.00 | 15.00 | 0.00247 |
| 10.00 | 13.00 | 0.00273 | 10.00 | 11.00 | 0.00304 |
| 10.00 | 9.00 | 0.00342 | 10.00 | -9.00 | 0.00884 |
| 10.00 | -11.00 | 0.00845 | 10.00 | -13.00 | 0.00811 |
| 10.00 | -15.00 | 0.00778 | 10.00 | -17.00 | 0.00746 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 10.00 | -20.00 | 0.00698 | 10.00 | -25.00 | 0.00623 |
| 10.00 | -30.00 | 0.00552 | 10.00 | -40.00 | 0.00429 |
| 10.00 | -50.00 | 0.00332 | 10.00 | -60.00 | 0.00259 |
| 10.00 | -70.00 | 0.00204 | 10.00 | -80.00 | 0.00164 |
| 10.00 | -90.00 | 0.00133 | 10.00 | -100.00 | 0.00110 |
| 20.00 | 100.00 | 0.00017 | 20.00 | 90.00 | 0.00021 |
| 20.00 | 80.00 | 0.00025 | 20.00 | 70.00 | 0.00031 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 20.00 | 60.00 | 0.00040 | 20.00 | 50.00 | 0.00053 |
| 20.00 | 40.00 | 0.00074 | 20.00 | 30.00 | 0.00110 |
| 20.00 | 25.00 | 0.00138 | 20.00 | 20.00 | 0.00176 |
| 20.00 | 17.00 | 0.00205 | 20.00 | 15.00 | 0.00229 |
| 20.00 | 13.00 | 0.00256 | 20.00 | 11.00 | 0.00288 |
| 20.00 | 9.00 | 0.00329 | 20.00 | -9.00 | 0.00909 |
| 20.00 | -11.00 | 0.00871 | 20.00 | -13.00 | 0.00840 |
| 20.00 | -15.00 | 0.00809 | 20.00 | -17.00 | 0.00779 |
| 20.00 | -20.00 | 0.00735 | 20.00 | -25.00 | 0.00664 |
| 20.00 | -30.00 | 0.00598 | 20.00 | -40.00 | 0.00476 |
| 20.00 | -50.00 | 0.00375 | 20.00 | -60.00 | 0.00296 |
| 20.00 | -70.00 | 0.00235 | 20.00 | -80.00 | 0.00189 |
| 20.00 | -90.00 | 0.00154 | 20.00 | -100.00 | 0.00127 |
| 30.00 | 100.00 | 0.00016 | 30.00 | 90.00 | 0.00018 |
| 30.00 | 80.00 | 0.00022 | 30.00 | 70.00 | 0.00027 |
| 30.00 | 60.00 | 0.00034 | 30.00 | 50.00 | 0.00044 |
| 30.00 | 40.00 | 0.00060 | 30.00 | 30.00 | 0.00089 |
| 30.00 | 25.00 | 0.00112 | 30.00 | 20.00 | 0.00147 |
| 30.00 | 17.00 | 0.00174 | 30.00 | 15.00 | 0.00197 |
| 30.00 | 13.00 | 0.00224 | 30.00 | 11.00 | 0.00257 |
| 30.00 | 9.00 | 0.00299 | 30.00 | -9.00 | 0.00919 |
| 30.00 | -11.00 | 0.00883 | 30.00 | -13.00 | 0.00853 |
| 30.00 | -15.00 | 0.00826 | 30.00 | -17.00 | 0.00799 |
| 30.00 | -20.00 | 0.00758 | 30.00 | -25.00 | 0.00691 |
| 30.00 | -30.00 | 0.00627 | 30.00 | -40.00 | 0.00509 |
| 30.00 | -50.00 | 0.00408 | 30.00 | -60.00 | 0.00326 |
| 30.00 | -70.00 | 0.00262 | 30.00 | -80.00 | 0.00212 |
| 30.00 | -90.00 | 0.00173 | 30.00 | -100.00 | 0.00143 |
| 40.00 | 100.00 | 0.00014 | 40.00 | 90.00 | 0.00017 |
| 40.00 | 80.00 | 0.00020 | 40.00 | 70.00 | 0.00024 |
| 40.00 | 60.00 | 0.00030 | 40.00 | 50.00 | 0.00038 |
| 40.00 | 40.00 | 0.00051 | 40.00 | 30.00 | 0.00074 |
| 40.00 | 25.00 | 0.00093 | 40.00 | 20.00 | 0.00119 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.00 | 17.00 | 0.00141 | 40.00 | 15.00 | 0.00159 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 40.00 | 13.00 | 0.00181 | 40.00 | 11.00 | 0.00209 |
| 40.00 | 9.00 | 0.00247 | 40.00 | -9.00 | 0.00918 |
| 40.00 | -11.00 | 0.00885 | 40.00 | -13.00 | 0.00854 |
| 40.00 | -15.00 | 0.00829 | 40.00 | -17.00 | 0.00804 |
| 40.00 | -20.00 | 0.00766 | 40.00 | -25.00 | 0.00702 |
| 40.00 | -30.00 | 0.00640 | 40.00 | -40.00 | 0.00527 |
| 40.00 | -50.00 | 0.00429 | 40.00 | -60.00 | 0.00348 |
| 40.00 | -70.00 | 0.00282 | 40.00 | -80.00 | 0.00230 |
| 40.00 | -90.00 | 0.00189 | 40.00 | -100.00 | 0.00157 |
| 50.00 | 100.00 | 0.00013 | 50.00 | 90.00 | 0.00015 |
| 50.00 | 80.00 | 0.00018 | 50.00 | 70.00 | 0.00022 |
| 50.00 | 60.00 | 0.00027 | 50.00 | 50.00 | 0.00034 |
| 50.00 | 40.00 | 0.00047 | 50.00 | 30.00 | 0.00068 |
| 50.00 | 25.00 | 0.00084 | 50.00 | 20.00 | 0.00108 |
| 50.00 | 17.00 | 0.00127 | 50.00 | 15.00 | 0.00143 |
| 50.00 | 13.00 | 0.00162 | 50.00 | 11.00 | 0.00186 |
| 50.00 | 9.00 | 0.00216 | 50.00 | -9.00 | 0.00818 |
| 50.00 | -11.00 | 0.00816 | 50.00 | -13.00 | 0.00802 |
| 50.00 | -15.00 | 0.00784 | 50.00 | -17.00 | 0.00766 |
| 50.00 | -20.00 | 0.00736 | 50.00 | -25.00 | 0.00682 |
| 50.00 | -30.00 | 0.00627 | 50.00 | -40.00 | 0.00525 |
| 50.00 | -50.00 | 0.00434 | 50.00 | -60.00 | 0.00357 |
| 50.00 | -70.00 | 0.00294 | 50.00 | -80.00 | 0.00242 |
| 50.00 | -90.00 | 0.00201 | 50.00 | -100.00 | 0.00167 |
| 60.00 | 100.00 | 0.00012 | 60.00 | 90.00 | 0.00014 |
| 60.00 | 80.00 | 0.00017 | 60.00 | 70.00 | 0.00020 |
| 60.00 | 60.00 | 0.00025 | 60.00 | 50.00 | 0.00032 |
| 60.00 | 40.00 | 0.00044 | 60.00 | 30.00 | 0.00064 |
| 60.00 | 25.00 | 0.00079 | 60.00 | 20.00 | 0.00100 |
| 60.00 | 17.00 | 0.00118 | 60.00 | 15.00 | 0.00132 |
| 60.00 | 13.00 | 0.00150 | 60.00 | 11.00 | 0.00171 |
| 60.00 | 9.00 | 0.00196 | 60.00 | -9.00 | 0.00565 |
| 60.00 | -11.00 | 0.00594 | 60.00 | -13.00 | 0.00614 |
| 60.00 | -15.00 | 0.00628 | 60.00 | -17.00 | 0.00633 |
| 60.00 | -20.00 | 0.00632 | 60.00 | -25.00 | 0.00611 |
| 60.00 | -30.00 | 0.00577 | 60.00 | -40.00 | 0.00500 |
| 60.00 | -50.00 | 0.00423 | 60.00 | -60.00 | 0.00355 |
| 60.00 | -70.00 | 0.00297 | 60.00 | -80.00 | 0.00248 |
| 60.00 | -90.00 | 0.00207 | 60.00 | -100.00 | 0.00175 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 | |
| 70.00 | 100.00 | 0.00012 | 70.00 | 90.00 | 0.00014 | |
| 70.00 | 80.00 | 0.00016 | 70.00 | 70.00 | 0.00019 | |
| 70.00 | 60.00 | 0.00024 | 70.00 | 50.00 | 0.00030 | |
| 70.00 | 40.00 | 0.00041 | 70.00 | 30.00 | 0.00059 | |
| 70.00 | 25.00 | 0.00074 | 70.00 | 20.00 | 0.00093 | |
| 70.00 | 17.00 | 0.00109 | 70.00 | 15.00 | 0.00121 | |
| 70.00 | 13.00 | 0.00134 | 70.00 | 11.00 | 0.00150 | |
| 70.00 | 9.00 | 0.00168 | 70.00 | -9.00 | 0.00392 | |
| 70.00 | -11.00 | 0.00415 | 70.00 | -13.00 | 0.00436 | |
| 70.00 | -15.00 | 0.00454 | 70.00 | -17.00 | 0.00469 | |
| 70.00 | -20.00 | 0.00485 | 70.00 | -25.00 | 0.00495 | |
| 70.00 | -30.00 | 0.00488 | 70.00 | -40.00 | 0.00449 | |
| 70.00 | -50.00 | 0.00396 | 70.00 | -60.00 | 0.00341 | |
| 70.00 | -70.00 | 0.00291 | 70.00 | -80.00 | 0.00248 | |
| 70.00 | -90.00 | 0.00210 | 70.00 | -100.00 | 0.00179 | |
| 80.00 | 100.00 | 0.00011 | 80.00 | 90.00 | 0.00013 | |
| 80.00 | 80.00 | 0.00015 | 80.00 | 70.00 | 0.00018 | |
| 80.00 | 60.00 | 0.00022 | 80.00 | 50.00 | 0.00029 | |
| 80.00 | 40.00 | 0.00039 | 80.00 | 30.00 | 0.00056 | |
| 80.00 | 25.00 | 0.00069 | 80.00 | 20.00 | 0.00085 | |
| 80.00 | 17.00 | 0.00098 | 80.00 | 15.00 | 0.00107 | |
| 80.00 | 13.00 | 0.00117 | 80.00 | 11.00 | 0.00128 | |
| 80.00 | 9.00 | 0.00141 | 80.00 | -9.00 | 0.00285 | |
| 80.00 | -11.00 | 0.00301 | 80.00 | -13.00 | 0.00317 | |
| 80.00 | -15.00 | 0.00331 | 80.00 | -17.00 | 0.00344 | |
| 80.00 | -20.00 | 0.00361 | 80.00 | -25.00 | 0.00381 | |
| 80.00 | -30.00 | 0.00391 | 80.00 | -40.00 | 0.00383 | |
| 80.00 | -50.00 | 0.00354 | 80.00 | -60.00 | 0.00316 | |
| 80.00 | -70.00 | 0.00278 | 80.00 | -80.00 | 0.00241 | |
| 80.00 | -90.00 | 0.00208 | 80.00 | -100.00 | 0.00179 | |
| 90.00 | 100.00 | 0.00010 | 90.00 | 90.00 | 0.00012 | |
| 90.00 | 80.00 | 0.00014 | 90.00 | 70.00 | 0.00017 | |
| 90.00 | 60.00 | 0.00021 | 90.00 | 50.00 | 0.00027 | |
| 90.00 | 40.00 | 0.00037 | 90.00 | 30.00 | 0.00053 | |
| 90.00 | 25.00 | 0.00064 | 90.00 | 20.00 | 0.00077 | |
| 90.00 | 17.00 | 0.00087 | 90.00 | 15.00 | 0.00094 | |
| 90.00 | 13.00 | 0.00101 | 90.00 | 11.00 | 0.00109 | |
| 90.00 | 9.00 | 0.00118 | 90.00 | -9.00 | 0.00216 | |
| 90.00 | -11.00 | 0.00228 | 90.00 | -13.00 | 0.00239 | |

90.00 -15.00 0.00249 90.00 -17.00 0.00260

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

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 90.00 | -20.00 | 0.00274 | 90.00 | -25.00 | 0.00293 |
| 90.00 | -30.00 | 0.00307 | 90.00 | -40.00 | 0.00316 |
| 90.00 | -50.00 | 0.00305 | 90.00 | -60.00 | 0.00283 |
| 90.00 | -70.00 | 0.00256 | 90.00 | -80.00 | 0.00228 |
| 90.00 | -90.00 | 0.00201 | 90.00 | -100.00 | 0.00177 |
| 100.00 | 100.00 | 0.00010 | 100.00 | 90.00 | 0.00011 |
| 100.00 | 80.00 | 0.00013 | 100.00 | 70.00 | 0.00016 |
| 100.00 | 60.00 | 0.00020 | 100.00 | 50.00 | 0.00026 |
| 100.00 | 40.00 | 0.00035 | 100.00 | 30.00 | 0.00049 |
| 100.00 | 25.00 | 0.00058 | 100.00 | 20.00 | 0.00069 |
| 100.00 | 17.00 | 0.00076 | 100.00 | 15.00 | 0.00081 |
| 100.00 | 13.00 | 0.00087 | 100.00 | 11.00 | 0.00093 |
| 100.00 | 9.00 | 0.00100 | 100.00 | -9.00 | 0.00170 |
| 100.00 | -11.00 | 0.00178 | 100.00 | -13.00 | 0.00186 |
| 100.00 | -15.00 | 0.00194 | 100.00 | -17.00 | 0.00201 |
| 100.00 | -20.00 | 0.00212 | 100.00 | -25.00 | 0.00229 |
| 100.00 | -30.00 | 0.00242 | 100.00 | -40.00 | 0.00257 |
| 100.00 | -50.00 | 0.00258 | 100.00 | -60.00 | 0.00248 |
| 100.00 | -70.00 | 0.00231 | 100.00 | -80.00 | 0.00211 |
| 100.00 | -90.00 | 0.00190 | 100.00 | -100.00 | 0.00170 |
| 110.00 | 100.00 | 0.00009 | 110.00 | 90.00 | 0.00011 |
| 110.00 | 80.00 | 0.00013 | 110.00 | 70.00 | 0.00015 |
| 110.00 | 60.00 | 0.00019 | 110.00 | 50.00 | 0.00025 |
| 110.00 | 40.00 | 0.00034 | 110.00 | 30.00 | 0.00045 |
| 110.00 | 25.00 | 0.00053 | 110.00 | 20.00 | 0.00061 |
| 110.00 | 17.00 | 0.00067 | 110.00 | 15.00 | 0.00071 |
| 110.00 | 13.00 | 0.00076 | 110.00 | 11.00 | 0.00080 |
| 110.00 | 9.00 | 0.00085 | 110.00 | -9.00 | 0.00137 |
| 110.00 | -11.00 | 0.00143 | 110.00 | -13.00 | 0.00149 |
| 110.00 | -15.00 | 0.00154 | 110.00 | -17.00 | 0.00160 |
| 110.00 | -20.00 | 0.00169 | 110.00 | -25.00 | 0.00182 |
| 110.00 | -30.00 | 0.00194 | 110.00 | -40.00 | 0.00210 |
| 110.00 | -50.00 | 0.00216 | 110.00 | -60.00 | 0.00214 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 110.00 | -70.00 | 0.00205 | 110.00 | -80.00 | 0.00192 |
| 110.00 | -90.00 | 0.00177 | 110.00 | -100.00 | 0.00161 |
| 120.00 | 100.00 | 0.00009 | 120.00 | 90.00 | 0.00010 |
| 120.00 | 80.00 | 0.00012 | 120.00 | 70.00 | 0.00015 |
| 120.00 | 60.00 | 0.00019 | 120.00 | 50.00 | 0.00024 |
| 120.00 | 40.00 | 0.00032 | 120.00 | 30.00 | 0.00042 |
| 120.00 | 25.00 | 0.00048 | 120.00 | 20.00 | 0.00055 |

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

10:54:17

**MODELOPTs:

PAGE 77

CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at East/West Bound Direction ***

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

INCLUDING SOURCE(S): NCRA_S3 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 120.00 | 17.00 | 0.00059 | 120.00 | 15.00 | 0.00063 |
| 120.00 | 13.00 | 0.00066 | 120.00 | 11.00 | 0.00070 |
| 120.00 | 9.00 | 0.00074 | 120.00 | -9.00 | 0.00113 |
| 120.00 | -11.00 | 0.00117 | 120.00 | -13.00 | 0.00122 |
| 120.00 | -15.00 | 0.00126 | 120.00 | -17.00 | 0.00130 |
| 120.00 | -20.00 | 0.00137 | 120.00 | -25.00 | 0.00148 |
| 120.00 | -30.00 | 0.00157 | 120.00 | -40.00 | 0.00172 |
| 120.00 | -50.00 | 0.00181 | 120.00 | -60.00 | 0.00183 |
| 120.00 | -70.00 | 0.00180 | 120.00 | -80.00 | 0.00172 |
| 120.00 | -90.00 | 0.00161 | 120.00 | -100.00 | 0.00150 |
| 130.00 | 100.00 | 0.00008 | 130.00 | 90.00 | 0.00010 |
| 130.00 | 80.00 | 0.00012 | 130.00 | 70.00 | 0.00014 |
| 130.00 | 60.00 | 0.00018 | 130.00 | 50.00 | 0.00023 |
| 130.00 | 40.00 | 0.00030 | 130.00 | 30.00 | 0.00038 |
| 130.00 | 25.00 | 0.00043 | 130.00 | 20.00 | 0.00049 |
| 130.00 | 17.00 | 0.00053 | 130.00 | 15.00 | 0.00055 |
| 130.00 | 13.00 | 0.00058 | 130.00 | 11.00 | 0.00061 |
| 130.00 | 9.00 | 0.00064 | 130.00 | -9.00 | 0.00095 |
| 130.00 | -11.00 | 0.00098 | 130.00 | -13.00 | 0.00101 |
| 130.00 | -15.00 | 0.00105 | 130.00 | -17.00 | 0.00108 |
| 130.00 | -20.00 | 0.00113 | 130.00 | -25.00 | 0.00122 |
| 130.00 | -30.00 | 0.00130 | 130.00 | -40.00 | 0.00143 |
| 130.00 | -50.00 | 0.00152 | 130.00 | -60.00 | 0.00157 |
| 130.00 | -70.00 | 0.00157 | 130.00 | -80.00 | 0.00153 |
| 130.00 | -90.00 | 0.00146 | 130.00 | -100.00 | 0.00138 |
| 140.00 | 100.00 | 0.00008 | 140.00 | 90.00 | 0.00010 |
| 140.00 | 80.00 | 0.00011 | 140.00 | 70.00 | 0.00014 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 140.00 | 60.00 | 0.00018 | 140.00 | 50.00 | 0.00022 |
| 140.00 | 40.00 | 0.00028 | 140.00 | 30.00 | 0.00035 |
| 140.00 | 25.00 | 0.00039 | 140.00 | 20.00 | 0.00044 |
| 140.00 | 17.00 | 0.00047 | 140.00 | 15.00 | 0.00049 |
| 140.00 | 13.00 | 0.00051 | 140.00 | 11.00 | 0.00054 |
| 140.00 | 9.00 | 0.00056 | 140.00 | -9.00 | 0.00081 |
| 140.00 | -11.00 | 0.00083 | 140.00 | -13.00 | 0.00086 |
| 140.00 | -15.00 | 0.00089 | 140.00 | -17.00 | 0.00091 |
| 140.00 | -20.00 | 0.00095 | 140.00 | -25.00 | 0.00102 |
| 140.00 | -30.00 | 0.00109 | 140.00 | -40.00 | 0.00120 |
| 140.00 | -50.00 | 0.00129 | 140.00 | -60.00 | 0.00134 |
| 140.00 | -70.00 | 0.00137 | 140.00 | -80.00 | 0.00135 |
| 140.00 | -90.00 | 0.00132 | 140.00 | -100.00 | 0.00126 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 150.00 | 100.00 | 0.00008 | 150.00 | 90.00 | 0.00009 |
| 150.00 | 80.00 | 0.00011 | 150.00 | 70.00 | 0.00014 |
| 150.00 | 60.00 | 0.00017 | 150.00 | 50.00 | 0.00021 |
| 150.00 | 40.00 | 0.00026 | 150.00 | 30.00 | 0.00032 |
| 150.00 | 25.00 | 0.00036 | 150.00 | 20.00 | 0.00039 |
| 150.00 | 17.00 | 0.00042 | 150.00 | 15.00 | 0.00044 |
| 150.00 | 13.00 | 0.00046 | 150.00 | 11.00 | 0.00048 |
| 150.00 | 9.00 | 0.00050 | 150.00 | -9.00 | 0.00069 |
| 150.00 | -11.00 | 0.00072 | 150.00 | -13.00 | 0.00074 |
| 150.00 | -15.00 | 0.00076 | 150.00 | -17.00 | 0.00078 |
| 150.00 | -20.00 | 0.00081 | 150.00 | -25.00 | 0.00087 |
| 150.00 | -30.00 | 0.00092 | 150.00 | -40.00 | 0.00102 |
| 150.00 | -50.00 | 0.00110 | 150.00 | -60.00 | 0.00116 |
| 150.00 | -70.00 | 0.00119 | 150.00 | -80.00 | 0.00120 |
| 150.00 | -90.00 | 0.00118 | 150.00 | -100.00 | 0.00114 |
| 160.00 | 100.00 | 0.00008 | 160.00 | 90.00 | 0.00009 |
| 160.00 | 80.00 | 0.00011 | 160.00 | 70.00 | 0.00013 |
| 160.00 | 60.00 | 0.00016 | 160.00 | 50.00 | 0.00020 |
| 160.00 | 40.00 | 0.00024 | 160.00 | 30.00 | 0.00029 |
| 160.00 | 25.00 | 0.00032 | 160.00 | 20.00 | 0.00036 |
| 160.00 | 17.00 | 0.00038 | 160.00 | 15.00 | 0.00040 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 160.00 | 13.00 | 0.00041 | 160.00 | 11.00 | 0.00043 |
| 160.00 | 9.00 | 0.00044 | 160.00 | -9.00 | 0.00060 |
| 160.00 | -11.00 | 0.00062 | 160.00 | -13.00 | 0.00064 |
| 160.00 | -15.00 | 0.00066 | 160.00 | -17.00 | 0.00068 |
| 160.00 | -20.00 | 0.00070 | 160.00 | -25.00 | 0.00075 |
| 160.00 | -30.00 | 0.00079 | 160.00 | -40.00 | 0.00088 |
| 160.00 | -50.00 | 0.00095 | 160.00 | -60.00 | 0.00100 |
| 160.00 | -70.00 | 0.00104 | 160.00 | -80.00 | 0.00106 |
| 160.00 | -90.00 | 0.00105 | 160.00 | -100.00 | 0.00104 |
| 170.00 | 100.00 | 0.00008 | 170.00 | 90.00 | 0.00009 |
| 170.00 | 80.00 | 0.00011 | 170.00 | 70.00 | 0.00013 |
| 170.00 | 60.00 | 0.00016 | 170.00 | 50.00 | 0.00019 |
| 170.00 | 40.00 | 0.00023 | 170.00 | 30.00 | 0.00027 |
| 170.00 | 25.00 | 0.00030 | 170.00 | 20.00 | 0.00033 |
| 170.00 | 17.00 | 0.00034 | 170.00 | 15.00 | 0.00036 |
| 170.00 | 13.00 | 0.00037 | 170.00 | 11.00 | 0.00038 |
| 170.00 | 9.00 | 0.00040 | 170.00 | -9.00 | 0.00053 |
| 170.00 | -11.00 | 0.00055 | 170.00 | -13.00 | 0.00056 |
| 170.00 | -15.00 | 0.00058 | 170.00 | -17.00 | 0.00059 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 170.00 | -20.00 | 0.00061 | 170.00 | -25.00 | 0.00065 |
| 170.00 | -30.00 | 0.00069 | 170.00 | -40.00 | 0.00076 |
| 170.00 | -50.00 | 0.00082 | 170.00 | -60.00 | 0.00088 |
| 170.00 | -70.00 | 0.00091 | 170.00 | -80.00 | 0.00093 |
| 170.00 | -90.00 | 0.00094 | 170.00 | -100.00 | 0.00093 |
| 180.00 | 100.00 | 0.00007 | 180.00 | 90.00 | 0.00009 |
| 180.00 | 80.00 | 0.00010 | 180.00 | 70.00 | 0.00013 |
| 180.00 | 60.00 | 0.00015 | 180.00 | 50.00 | 0.00018 |
| 180.00 | 40.00 | 0.00021 | 180.00 | 30.00 | 0.00025 |
| 180.00 | 25.00 | 0.00027 | 180.00 | 20.00 | 0.00030 |
| 180.00 | 17.00 | 0.00031 | 180.00 | 15.00 | 0.00032 |
| 180.00 | 13.00 | 0.00034 | 180.00 | 11.00 | 0.00035 |
| 180.00 | 9.00 | 0.00036 | 180.00 | -9.00 | 0.00047 |
| 180.00 | -11.00 | 0.00048 | 180.00 | -13.00 | 0.00050 |
| 180.00 | -15.00 | 0.00051 | 180.00 | -17.00 | 0.00052 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 180.00 | -20.00 | 0.00054 | 180.00 | -25.00 | 0.00057 |
| 180.00 | -30.00 | 0.00060 | 180.00 | -40.00 | 0.00066 |
| 180.00 | -50.00 | 0.00072 | 180.00 | -60.00 | 0.00077 |
| 180.00 | -70.00 | 0.00080 | 180.00 | -80.00 | 0.00083 |
| 180.00 | -90.00 | 0.00084 | 180.00 | -100.00 | 0.00084 |
| 190.00 | 100.00 | 0.00007 | 190.00 | 90.00 | 0.00009 |
| 190.00 | 80.00 | 0.00010 | 190.00 | 70.00 | 0.00012 |
| 190.00 | 60.00 | 0.00014 | 190.00 | 50.00 | 0.00017 |
| 190.00 | 40.00 | 0.00020 | 190.00 | 30.00 | 0.00023 |
| 190.00 | 25.00 | 0.00025 | 190.00 | 20.00 | 0.00027 |
| 190.00 | 17.00 | 0.00029 | 190.00 | 15.00 | 0.00030 |
| 190.00 | 13.00 | 0.00031 | 190.00 | 11.00 | 0.00032 |
| 190.00 | 9.00 | 0.00033 | 190.00 | -9.00 | 0.00042 |
| 190.00 | -11.00 | 0.00043 | 190.00 | -13.00 | 0.00044 |
| 190.00 | -15.00 | 0.00045 | 190.00 | -17.00 | 0.00046 |
| 190.00 | -20.00 | 0.00048 | 190.00 | -25.00 | 0.00050 |
| 190.00 | -30.00 | 0.00053 | 190.00 | -40.00 | 0.00059 |
| 190.00 | -50.00 | 0.00064 | 190.00 | -60.00 | 0.00068 |
| 190.00 | -70.00 | 0.00071 | 190.00 | -80.00 | 0.00074 |
| 190.00 | -90.00 | 0.00075 | 190.00 | -100.00 | 0.00076 |
| 200.00 | 100.00 | 0.00007 | 200.00 | 90.00 | 0.00008 |
| 200.00 | 80.00 | 0.00010 | 200.00 | 70.00 | 0.00012 |
| 200.00 | 60.00 | 0.00014 | 200.00 | 50.00 | 0.00016 |
| 200.00 | 40.00 | 0.00018 | 200.00 | 30.00 | 0.00021 |
| 200.00 | 25.00 | 0.00023 | 200.00 | 20.00 | 0.00025 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 200.00 | 17.00 | 0.00026 | 200.00 | 15.00 | 0.00027 |
| 200.00 | 13.00 | 0.00028 | 200.00 | 11.00 | 0.00029 |
| 200.00 | 9.00 | 0.00030 | 200.00 | -9.00 | 0.00038 |
| 200.00 | -11.00 | 0.00039 | 200.00 | -13.00 | 0.00040 |
| 200.00 | -15.00 | 0.00041 | 200.00 | -17.00 | 0.00041 |
| 200.00 | -20.00 | 0.00043 | 200.00 | -25.00 | 0.00045 |
| 200.00 | -30.00 | 0.00047 | 200.00 | -40.00 | 0.00052 |
| 200.00 | -50.00 | 0.00056 | 200.00 | -60.00 | 0.00060 |
| 200.00 | -70.00 | 0.00063 | 200.00 | -80.00 | 0.00066 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 200.00 | -90.00 | 0.00068 | 200.00 | -100.00 | 0.00069 |
| 210.00 | 100.00 | 0.00007 | 210.00 | 90.00 | 0.00008 |
| 210.00 | 80.00 | 0.00010 | 210.00 | 70.00 | 0.00011 |
| 210.00 | 60.00 | 0.00013 | 210.00 | 50.00 | 0.00015 |
| 210.00 | 40.00 | 0.00017 | 210.00 | 30.00 | 0.00020 |
| 210.00 | 25.00 | 0.00021 | 210.00 | 20.00 | 0.00023 |
| 210.00 | 17.00 | 0.00024 | 210.00 | 15.00 | 0.00025 |
| 210.00 | 13.00 | 0.00026 | 210.00 | 11.00 | 0.00026 |
| 210.00 | 9.00 | 0.00027 | 210.00 | -9.00 | 0.00034 |
| 210.00 | -11.00 | 0.00035 | 210.00 | -13.00 | 0.00036 |
| 210.00 | -15.00 | 0.00037 | 210.00 | -17.00 | 0.00037 |
| 210.00 | -20.00 | 0.00038 | 210.00 | -25.00 | 0.00040 |
| 210.00 | -30.00 | 0.00042 | 210.00 | -40.00 | 0.00046 |
| 210.00 | -50.00 | 0.00050 | 210.00 | -60.00 | 0.00054 |
| 210.00 | -70.00 | 0.00057 | 210.00 | -80.00 | 0.00059 |
| 210.00 | -90.00 | 0.00061 | 210.00 | -100.00 | 0.00062 |
| 220.00 | 100.00 | 0.00007 | 220.00 | 90.00 | 0.00008 |
| 220.00 | 80.00 | 0.00009 | 220.00 | 70.00 | 0.00011 |
| 220.00 | 60.00 | 0.00012 | 220.00 | 50.00 | 0.00014 |
| 220.00 | 40.00 | 0.00016 | 220.00 | 30.00 | 0.00019 |
| 220.00 | 25.00 | 0.00020 | 220.00 | 20.00 | 0.00021 |
| 220.00 | 17.00 | 0.00022 | 220.00 | 15.00 | 0.00023 |
| 220.00 | 13.00 | 0.00024 | 220.00 | 11.00 | 0.00024 |
| 220.00 | 9.00 | 0.00025 | 220.00 | -9.00 | 0.00031 |
| 220.00 | -11.00 | 0.00032 | 220.00 | -13.00 | 0.00032 |
| 220.00 | -15.00 | 0.00033 | 220.00 | -17.00 | 0.00034 |
| 220.00 | -20.00 | 0.00035 | 220.00 | -25.00 | 0.00036 |
| 220.00 | -30.00 | 0.00038 | 220.00 | -40.00 | 0.00042 |
| 220.00 | -50.00 | 0.00045 | 220.00 | -60.00 | 0.00048 |
| 220.00 | -70.00 | 0.00051 | 220.00 | -80.00 | 0.00053 |
| 220.00 | -90.00 | 0.00055 | 220.00 | -100.00 | 0.00056 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 230.00 | 100.00 | 0.00007 | 230.00 | 90.00 | 0.00008 |
| 230.00 | 80.00 | 0.00009 | 230.00 | 70.00 | 0.00010 |
| 230.00 | 60.00 | 0.00012 | 230.00 | 50.00 | 0.00013 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 230.00 | 40.00 | 0.00015 | 230.00 | 30.00 | 0.00017 |
| 230.00 | 25.00 | 0.00019 | 230.00 | 20.00 | 0.00020 |
| 230.00 | 17.00 | 0.00021 | 230.00 | 15.00 | 0.00021 |
| 230.00 | 13.00 | 0.00022 | 230.00 | 11.00 | 0.00022 |
| 230.00 | 9.00 | 0.00023 | 230.00 | -9.00 | 0.00028 |
| 230.00 | -11.00 | 0.00029 | 230.00 | -13.00 | 0.00030 |
| 230.00 | -15.00 | 0.00030 | 230.00 | -17.00 | 0.00031 |
| 230.00 | -20.00 | 0.00032 | 230.00 | -25.00 | 0.00033 |
| 230.00 | -30.00 | 0.00035 | 230.00 | -40.00 | 0.00038 |
| 230.00 | -50.00 | 0.00041 | 230.00 | -60.00 | 0.00043 |
| 230.00 | -70.00 | 0.00046 | 230.00 | -80.00 | 0.00048 |
| 230.00 | -90.00 | 0.00050 | 230.00 | -100.00 | 0.00051 |
| 240.00 | 100.00 | 0.00007 | 240.00 | 90.00 | 0.00008 |
| 240.00 | 80.00 | 0.00009 | 240.00 | 70.00 | 0.00010 |
| 240.00 | 60.00 | 0.00011 | 240.00 | 50.00 | 0.00013 |
| 240.00 | 40.00 | 0.00014 | 240.00 | 30.00 | 0.00016 |
| 240.00 | 25.00 | 0.00017 | 240.00 | 20.00 | 0.00018 |
| 240.00 | 17.00 | 0.00019 | 240.00 | 15.00 | 0.00020 |
| 240.00 | 13.00 | 0.00020 | 240.00 | 11.00 | 0.00021 |
| 240.00 | 9.00 | 0.00021 | 240.00 | -9.00 | 0.00026 |
| 240.00 | -11.00 | 0.00027 | 240.00 | -13.00 | 0.00027 |
| 240.00 | -15.00 | 0.00028 | 240.00 | -17.00 | 0.00028 |
| 240.00 | -20.00 | 0.00029 | 240.00 | -25.00 | 0.00030 |
| 240.00 | -30.00 | 0.00031 | 240.00 | -40.00 | 0.00034 |
| 240.00 | -50.00 | 0.00037 | 240.00 | -60.00 | 0.00039 |
| 240.00 | -70.00 | 0.00042 | 240.00 | -80.00 | 0.00044 |
| 240.00 | -90.00 | 0.00045 | 240.00 | -100.00 | 0.00047 |
| 250.00 | 100.00 | 0.00006 | 250.00 | 90.00 | 0.00007 |
| 250.00 | 80.00 | 0.00008 | 250.00 | 70.00 | 0.00009 |
| 250.00 | 60.00 | 0.00011 | 250.00 | 50.00 | 0.00012 |
| 250.00 | 40.00 | 0.00013 | 250.00 | 30.00 | 0.00015 |
| 250.00 | 25.00 | 0.00016 | 250.00 | 20.00 | 0.00017 |
| 250.00 | 17.00 | 0.00018 | 250.00 | 15.00 | 0.00018 |
| 250.00 | 13.00 | 0.00019 | 250.00 | 11.00 | 0.00019 |
| 250.00 | 9.00 | 0.00020 | 250.00 | -9.00 | 0.00024 |
| 250.00 | -11.00 | 0.00024 | 250.00 | -13.00 | 0.00025 |
| 250.00 | -15.00 | 0.00025 | 250.00 | -17.00 | 0.00026 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 ,

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -240.00 | -30.00 | 0.00021 | -240.00 | -40.00 | 0.00021 |
| -240.00 | -50.00 | 0.00021 | -240.00 | -60.00 | 0.00020 |
| -240.00 | -70.00 | 0.00019 | -240.00 | -80.00 | 0.00018 |
| -240.00 | -90.00 | 0.00017 | -240.00 | -100.00 | 0.00016 |
| -230.00 | 100.00 | 0.00029 | -230.00 | 90.00 | 0.00031 |
| -230.00 | 80.00 | 0.00034 | -230.00 | 70.00 | 0.00036 |
| -230.00 | 60.00 | 0.00038 | -230.00 | 50.00 | 0.00040 |
| -230.00 | 40.00 | 0.00041 | -230.00 | 30.00 | 0.00040 |
| -230.00 | 25.00 | 0.00039 | -230.00 | 20.00 | 0.00037 |
| -230.00 | 17.00 | 0.00036 | -230.00 | 15.00 | 0.00036 |
| -230.00 | 13.00 | 0.00035 | -230.00 | 11.00 | 0.00035 |
| -230.00 | 9.00 | 0.00034 | -230.00 | -9.00 | 0.00028 |
| -230.00 | -11.00 | 0.00028 | -230.00 | -13.00 | 0.00027 |
| -230.00 | -15.00 | 0.00027 | -230.00 | -17.00 | 0.00026 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -230.00 | -20.00 | 0.00025 | -230.00 | -25.00 | 0.00025 |
| -230.00 | -30.00 | 0.00024 | -230.00 | -40.00 | 0.00024 |
| -230.00 | -50.00 | 0.00023 | -230.00 | -60.00 | 0.00023 |
| -230.00 | -70.00 | 0.00021 | -230.00 | -80.00 | 0.00020 |
| -230.00 | -90.00 | 0.00018 | -230.00 | -100.00 | 0.00017 |
| -220.00 | 100.00 | 0.00031 | -220.00 | 90.00 | 0.00034 |
| -220.00 | 80.00 | 0.00037 | -220.00 | 70.00 | 0.00040 |
| -220.00 | 60.00 | 0.00043 | -220.00 | 50.00 | 0.00045 |
| -220.00 | 40.00 | 0.00047 | -220.00 | 30.00 | 0.00046 |
| -220.00 | 25.00 | 0.00045 | -220.00 | 20.00 | 0.00043 |
| -220.00 | 17.00 | 0.00042 | -220.00 | 15.00 | 0.00042 |
| -220.00 | 13.00 | 0.00041 | -220.00 | 11.00 | 0.00040 |
| -220.00 | 9.00 | 0.00039 | -220.00 | -9.00 | 0.00032 |
| -220.00 | -11.00 | 0.00031 | -220.00 | -13.00 | 0.00031 |
| -220.00 | -15.00 | 0.00030 | -220.00 | -17.00 | 0.00029 |
| -220.00 | -20.00 | 0.00029 | -220.00 | -25.00 | 0.00028 |
| -220.00 | -30.00 | 0.00027 | -220.00 | -40.00 | 0.00027 |
| -220.00 | -50.00 | 0.00026 | -220.00 | -60.00 | 0.00025 |
| -220.00 | -70.00 | 0.00023 | -220.00 | -80.00 | 0.00021 |
| -220.00 | -90.00 | 0.00020 | -220.00 | -100.00 | 0.00018 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -210.00 | 100.00 | 0.00034 | -210.00 | 90.00 | 0.00037 |
| -210.00 | 80.00 | 0.00040 | -210.00 | 70.00 | 0.00044 |
| -210.00 | 60.00 | 0.00048 | -210.00 | 50.00 | 0.00051 |
| -210.00 | 40.00 | 0.00054 | -210.00 | 30.00 | 0.00054 |
| -210.00 | 25.00 | 0.00053 | -210.00 | 20.00 | 0.00051 |
| -210.00 | 17.00 | 0.00050 | -210.00 | 15.00 | 0.00049 |
| -210.00 | 13.00 | 0.00048 | -210.00 | 11.00 | 0.00047 |
| -210.00 | 9.00 | 0.00046 | -210.00 | -9.00 | 0.00037 |
| -210.00 | -11.00 | 0.00036 | -210.00 | -13.00 | 0.00035 |
| -210.00 | -15.00 | 0.00034 | -210.00 | -17.00 | 0.00033 |
| -210.00 | -20.00 | 0.00033 | -210.00 | -25.00 | 0.00032 |
| -210.00 | -30.00 | 0.00031 | -210.00 | -40.00 | 0.00031 |
| -210.00 | -50.00 | 0.00030 | -210.00 | -60.00 | 0.00028 |
| -210.00 | -70.00 | 0.00026 | -210.00 | -80.00 | 0.00023 |
| -210.00 | -90.00 | 0.00021 | -210.00 | -100.00 | 0.00019 |
| -200.00 | 100.00 | 0.00036 | -200.00 | 90.00 | 0.00040 |
| -200.00 | 80.00 | 0.00044 | -200.00 | 70.00 | 0.00049 |
| -200.00 | 60.00 | 0.00054 | -200.00 | 50.00 | 0.00058 |
| -200.00 | 40.00 | 0.00062 | -200.00 | 30.00 | 0.00064 |
| -200.00 | 25.00 | 0.00063 | -200.00 | 20.00 | 0.00061 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -200.00 | 17.00 | 0.00059 | -200.00 | 15.00 | 0.00058 |
| -200.00 | 13.00 | 0.00057 | -200.00 | 11.00 | 0.00056 |
| -200.00 | 9.00 | 0.00054 | -200.00 | -9.00 | 0.00042 |
| -200.00 | -11.00 | 0.00041 | -200.00 | -13.00 | 0.00040 |
| -200.00 | -15.00 | 0.00039 | -200.00 | -17.00 | 0.00038 |
| -200.00 | -20.00 | 0.00038 | -200.00 | -25.00 | 0.00037 |
| -200.00 | -30.00 | 0.00037 | -200.00 | -40.00 | 0.00036 |
| -200.00 | -50.00 | 0.00033 | -200.00 | -60.00 | 0.00031 |
| -200.00 | -70.00 | 0.00028 | -200.00 | -80.00 | 0.00025 |
| -200.00 | -90.00 | 0.00023 | -200.00 | -100.00 | 0.00021 |
| -190.00 | 100.00 | 0.00038 | -190.00 | 90.00 | 0.00043 |
| -190.00 | 80.00 | 0.00048 | -190.00 | 70.00 | 0.00054 |
| -190.00 | 60.00 | 0.00060 | -190.00 | 50.00 | 0.00066 |
| -190.00 | 40.00 | 0.00072 | -190.00 | 30.00 | 0.00075 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -190.00 | 25.00 | 0.00075 | -190.00 | 20.00 | 0.00074 |
| -190.00 | 17.00 | 0.00072 | -190.00 | 15.00 | 0.00071 |
| -190.00 | 13.00 | 0.00069 | -190.00 | 11.00 | 0.00067 |
| -190.00 | 9.00 | 0.00065 | -190.00 | -9.00 | 0.00049 |
| -190.00 | -11.00 | 0.00048 | -190.00 | -13.00 | 0.00046 |
| -190.00 | -15.00 | 0.00045 | -190.00 | -17.00 | 0.00045 |
| -190.00 | -20.00 | 0.00044 | -190.00 | -25.00 | 0.00043 |
| -190.00 | -30.00 | 0.00043 | -190.00 | -40.00 | 0.00041 |
| -190.00 | -50.00 | 0.00038 | -190.00 | -60.00 | 0.00034 |
| -190.00 | -70.00 | 0.00030 | -190.00 | -80.00 | 0.00027 |
| -190.00 | -90.00 | 0.00025 | -190.00 | -100.00 | 0.00022 |
| -180.00 | 100.00 | 0.00039 | -180.00 | 90.00 | 0.00045 |
| -180.00 | 80.00 | 0.00052 | -180.00 | 70.00 | 0.00059 |
| -180.00 | 60.00 | 0.00067 | -180.00 | 50.00 | 0.00076 |
| -180.00 | 40.00 | 0.00084 | -180.00 | 30.00 | 0.00089 |
| -180.00 | 25.00 | 0.00091 | -180.00 | 20.00 | 0.00090 |
| -180.00 | 17.00 | 0.00088 | -180.00 | 15.00 | 0.00087 |
| -180.00 | 13.00 | 0.00085 | -180.00 | 11.00 | 0.00083 |
| -180.00 | 9.00 | 0.00080 | -180.00 | -9.00 | 0.00057 |
| -180.00 | -11.00 | 0.00056 | -180.00 | -13.00 | 0.00054 |
| -180.00 | -15.00 | 0.00053 | -180.00 | -17.00 | 0.00053 |
| -180.00 | -20.00 | 0.00052 | -180.00 | -25.00 | 0.00051 |
| -180.00 | -30.00 | 0.00050 | -180.00 | -40.00 | 0.00046 |
| -180.00 | -50.00 | 0.00042 | -180.00 | -60.00 | 0.00037 |
| -180.00 | -70.00 | 0.00033 | -180.00 | -80.00 | 0.00030 |
| -180.00 | -90.00 | 0.00027 | -180.00 | -100.00 | 0.00025 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -170.00 | 100.00 | 0.00040 | -170.00 | 90.00 | 0.00046 |
| -170.00 | 80.00 | 0.00054 | -170.00 | 70.00 | 0.00063 |
| -170.00 | 60.00 | 0.00074 | -170.00 | 50.00 | 0.00086 |
| -170.00 | 40.00 | 0.00097 | -170.00 | 30.00 | 0.00107 |
| -170.00 | 25.00 | 0.00110 | -170.00 | 20.00 | 0.00111 |
| -170.00 | 17.00 | 0.00110 | -170.00 | 15.00 | 0.00108 |
| -170.00 | 13.00 | 0.00106 | -170.00 | 11.00 | 0.00103 |
| -170.00 | 9.00 | 0.00100 | -170.00 | -9.00 | 0.00068 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -170.00 | -11.00 | 0.00066 | -170.00 | -13.00 | 0.00064 |
| -170.00 | -15.00 | 0.00064 | -170.00 | -17.00 | 0.00063 |
| -170.00 | -20.00 | 0.00062 | -170.00 | -25.00 | 0.00060 |
| -170.00 | -30.00 | 0.00058 | -170.00 | -40.00 | 0.00053 |
| -170.00 | -50.00 | 0.00047 | -170.00 | -60.00 | 0.00042 |
| -170.00 | -70.00 | 0.00037 | -170.00 | -80.00 | 0.00033 |
| -170.00 | -90.00 | 0.00030 | -170.00 | -100.00 | 0.00028 |
| -160.00 | 100.00 | 0.00039 | -160.00 | 90.00 | 0.00047 |
| -160.00 | 80.00 | 0.00056 | -160.00 | 70.00 | 0.00066 |
| -160.00 | 60.00 | 0.00079 | -160.00 | 50.00 | 0.00095 |
| -160.00 | 40.00 | 0.00112 | -160.00 | 30.00 | 0.00128 |
| -160.00 | 25.00 | 0.00134 | -160.00 | 20.00 | 0.00138 |
| -160.00 | 17.00 | 0.00138 | -160.00 | 15.00 | 0.00137 |
| -160.00 | 13.00 | 0.00135 | -160.00 | 11.00 | 0.00132 |
| -160.00 | 9.00 | 0.00128 | -160.00 | -9.00 | 0.00081 |
| -160.00 | -11.00 | 0.00079 | -160.00 | -13.00 | 0.00077 |
| -160.00 | -15.00 | 0.00076 | -160.00 | -17.00 | 0.00075 |
| -160.00 | -20.00 | 0.00073 | -160.00 | -25.00 | 0.00070 |
| -160.00 | -30.00 | 0.00067 | -160.00 | -40.00 | 0.00060 |
| -160.00 | -50.00 | 0.00053 | -160.00 | -60.00 | 0.00047 |
| -160.00 | -70.00 | 0.00042 | -160.00 | -80.00 | 0.00038 |
| -160.00 | -90.00 | 0.00034 | -160.00 | -100.00 | 0.00031 |
| -150.00 | 100.00 | 0.00038 | -150.00 | 90.00 | 0.00046 |
| -150.00 | 80.00 | 0.00055 | -150.00 | 70.00 | 0.00067 |
| -150.00 | 60.00 | 0.00082 | -150.00 | 50.00 | 0.00101 |
| -150.00 | 40.00 | 0.00124 | -150.00 | 30.00 | 0.00150 |
| -150.00 | 25.00 | 0.00162 | -150.00 | 20.00 | 0.00171 |
| -150.00 | 17.00 | 0.00175 | -150.00 | 15.00 | 0.00176 |
| -150.00 | 13.00 | 0.00175 | -150.00 | 11.00 | 0.00173 |
| -150.00 | 9.00 | 0.00169 | -150.00 | -9.00 | 0.00098 |
| -150.00 | -11.00 | 0.00095 | -150.00 | -13.00 | 0.00093 |
| -150.00 | -15.00 | 0.00091 | -150.00 | -17.00 | 0.00089 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -150.00 | -20.00 | 0.00086 | -150.00 | -25.00 | 0.00082 |
| -150.00 | -30.00 | 0.00078 | -150.00 | -40.00 | 0.00070 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -150.00 | -50.00 | 0.00062 | -150.00 | -60.00 | 0.00055 |
| -150.00 | -70.00 | 0.00048 | -150.00 | -80.00 | 0.00043 |
| -150.00 | -90.00 | 0.00039 | -150.00 | -100.00 | 0.00035 |
| -140.00 | 100.00 | 0.00037 | -140.00 | 90.00 | 0.00044 |
| -140.00 | 80.00 | 0.00054 | -140.00 | 70.00 | 0.00066 |
| -140.00 | 60.00 | 0.00082 | -140.00 | 50.00 | 0.00103 |
| -140.00 | 40.00 | 0.00129 | -140.00 | 30.00 | 0.00163 |
| -140.00 | 25.00 | 0.00182 | -140.00 | 20.00 | 0.00201 |
| -140.00 | 17.00 | 0.00212 | -140.00 | 15.00 | 0.00218 |
| -140.00 | 13.00 | 0.00224 | -140.00 | 11.00 | 0.00228 |
| -140.00 | 9.00 | 0.00230 | -140.00 | -9.00 | 0.00121 |
| -140.00 | -11.00 | 0.00117 | -140.00 | -13.00 | 0.00113 |
| -140.00 | -15.00 | 0.00110 | -140.00 | -17.00 | 0.00108 |
| -140.00 | -20.00 | 0.00104 | -140.00 | -25.00 | 0.00099 |
| -140.00 | -30.00 | 0.00094 | -140.00 | -40.00 | 0.00084 |
| -140.00 | -50.00 | 0.00074 | -140.00 | -60.00 | 0.00065 |
| -140.00 | -70.00 | 0.00057 | -140.00 | -80.00 | 0.00050 |
| -140.00 | -90.00 | 0.00045 | -140.00 | -100.00 | 0.00040 |
| -130.00 | 100.00 | 0.00034 | -130.00 | 90.00 | 0.00042 |
| -130.00 | 80.00 | 0.00051 | -130.00 | 70.00 | 0.00064 |
| -130.00 | 60.00 | 0.00080 | -130.00 | 50.00 | 0.00101 |
| -130.00 | 40.00 | 0.00130 | -130.00 | 30.00 | 0.00166 |
| -130.00 | 25.00 | 0.00189 | -130.00 | 20.00 | 0.00212 |
| -130.00 | 17.00 | 0.00226 | -130.00 | 15.00 | 0.00235 |
| -130.00 | 13.00 | 0.00244 | -130.00 | 11.00 | 0.00255 |
| -130.00 | 9.00 | 0.00266 | -130.00 | -9.00 | 0.00229 |
| -130.00 | -11.00 | 0.00201 | -130.00 | -13.00 | 0.00183 |
| -130.00 | -15.00 | 0.00172 | -130.00 | -17.00 | 0.00163 |
| -130.00 | -20.00 | 0.00153 | -130.00 | -25.00 | 0.00140 |
| -130.00 | -30.00 | 0.00130 | -130.00 | -40.00 | 0.00111 |
| -130.00 | -50.00 | 0.00095 | -130.00 | -60.00 | 0.00081 |
| -130.00 | -70.00 | 0.00070 | -130.00 | -80.00 | 0.00061 |
| -130.00 | -90.00 | 0.00054 | -130.00 | -100.00 | 0.00048 |
| -120.00 | 100.00 | 0.00031 | -120.00 | 90.00 | 0.00038 |
| -120.00 | 80.00 | 0.00048 | -120.00 | 70.00 | 0.00060 |
| -120.00 | 60.00 | 0.00076 | -120.00 | 50.00 | 0.00098 |
| -120.00 | 40.00 | 0.00127 | -120.00 | 30.00 | 0.00165 |
| -120.00 | 25.00 | 0.00190 | -120.00 | 20.00 | 0.00217 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **MODELOPTS:
 PAGE 88

CONC URBAN FLAT FLGPOL DFAULT

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

09NCRA PL94-300_DPM_TRAV_ANN E-W 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 |
| -120.00 | 17.00 | 0.00233 | -120.00 | 15.00 | 0.00245 |
| -120.00 | 13.00 | 0.00256 | -120.00 | 11.00 | 0.00270 |
| -120.00 | 9.00 | 0.00287 | -120.00 | -9.00 | 0.00485 |
| -120.00 | -11.00 | 0.00427 | -120.00 | -13.00 | 0.00379 |
| -120.00 | -15.00 | 0.00341 | -120.00 | -17.00 | 0.00309 |
| -120.00 | -20.00 | 0.00271 | -120.00 | -25.00 | 0.00227 |
| -120.00 | -30.00 | 0.00196 | -120.00 | -40.00 | 0.00154 |
| -120.00 | -50.00 | 0.00126 | -120.00 | -60.00 | 0.00105 |
| -120.00 | -70.00 | 0.00089 | -120.00 | -80.00 | 0.00076 |
| -120.00 | -90.00 | 0.00066 | -120.00 | -100.00 | 0.00058 |
| -110.00 | 100.00 | 0.00028 | -110.00 | 90.00 | 0.00034 |
| -110.00 | 80.00 | 0.00043 | -110.00 | 70.00 | 0.00055 |
| -110.00 | 60.00 | 0.00070 | -110.00 | 50.00 | 0.00092 |
| -110.00 | 40.00 | 0.00121 | -110.00 | 30.00 | 0.00162 |
| -110.00 | 25.00 | 0.00187 | -110.00 | 20.00 | 0.00217 |
| -110.00 | 17.00 | 0.00237 | -110.00 | 15.00 | 0.00252 |
| -110.00 | 13.00 | 0.00268 | -110.00 | 11.00 | 0.00287 |
| -110.00 | 9.00 | 0.00312 | -110.00 | -9.00 | 0.00663 |
| -110.00 | -11.00 | 0.00610 | -110.00 | -13.00 | 0.00563 |
| -110.00 | -15.00 | 0.00519 | -110.00 | -17.00 | 0.00479 |
| -110.00 | -20.00 | 0.00426 | -110.00 | -25.00 | 0.00353 |
| -110.00 | -30.00 | 0.00296 | -110.00 | -40.00 | 0.00219 |
| -110.00 | -50.00 | 0.00169 | -110.00 | -60.00 | 0.00135 |
| -110.00 | -70.00 | 0.00111 | -110.00 | -80.00 | 0.00094 |
| -110.00 | -90.00 | 0.00080 | -110.00 | -100.00 | 0.00069 |
| -100.00 | 100.00 | 0.00025 | -100.00 | 90.00 | 0.00030 |
| -100.00 | 80.00 | 0.00038 | -100.00 | 70.00 | 0.00049 |
| -100.00 | 60.00 | 0.00064 | -100.00 | 50.00 | 0.00085 |
| -100.00 | 40.00 | 0.00114 | -100.00 | 30.00 | 0.00155 |
| -100.00 | 25.00 | 0.00182 | -100.00 | 20.00 | 0.00214 |
| -100.00 | 17.00 | 0.00238 | -100.00 | 15.00 | 0.00256 |
| -100.00 | 13.00 | 0.00277 | -100.00 | 11.00 | 0.00301 |
| -100.00 | 9.00 | 0.00332 | -100.00 | -9.00 | 0.00772 |
| -100.00 | -11.00 | 0.00727 | -100.00 | -13.00 | 0.00685 |
| -100.00 | -15.00 | 0.00645 | -100.00 | -17.00 | 0.00607 |
| -100.00 | -20.00 | 0.00553 | -100.00 | -25.00 | 0.00471 |
| -100.00 | -30.00 | 0.00400 | -100.00 | -40.00 | 0.00294 |
| -100.00 | -50.00 | 0.00223 | -100.00 | -60.00 | 0.00174 |
| -100.00 | -70.00 | 0.00139 | -100.00 | -80.00 | 0.00114 |
| -100.00 | -90.00 | 0.00095 | -100.00 | -100.00 | 0.00081 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**MODELOPTs:

PAGE 89

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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -90.00 | 100.00 | 0.00022 | -90.00 | 90.00 | 0.00027 |
| -90.00 | 80.00 | 0.00033 | -90.00 | 70.00 | 0.00043 |
| -90.00 | 60.00 | 0.00056 | -90.00 | 50.00 | 0.00075 |
| -90.00 | 40.00 | 0.00103 | -90.00 | 30.00 | 0.00144 |
| -90.00 | 25.00 | 0.00172 | -90.00 | 20.00 | 0.00208 |
| -90.00 | 17.00 | 0.00235 | -90.00 | 15.00 | 0.00255 |
| -90.00 | 13.00 | 0.00279 | -90.00 | 11.00 | 0.00307 |
| -90.00 | 9.00 | 0.00343 | -90.00 | -9.00 | 0.00840 |
| -90.00 | -11.00 | 0.00799 | -90.00 | -13.00 | 0.00762 |
| -90.00 | -15.00 | 0.00726 | -90.00 | -17.00 | 0.00691 |
| -90.00 | -20.00 | 0.00641 | -90.00 | -25.00 | 0.00560 |
| -90.00 | -30.00 | 0.00487 | -90.00 | -40.00 | 0.00367 |
| -90.00 | -50.00 | 0.00280 | -90.00 | -60.00 | 0.00217 |
| -90.00 | -70.00 | 0.00172 | -90.00 | -80.00 | 0.00138 |
| -90.00 | -90.00 | 0.00114 | -90.00 | -100.00 | 0.00095 |
| -80.00 | 100.00 | 0.00019 | -80.00 | 90.00 | 0.00023 |
| -80.00 | 80.00 | 0.00029 | -80.00 | 70.00 | 0.00037 |
| -80.00 | 60.00 | 0.00048 | -80.00 | 50.00 | 0.00064 |
| -80.00 | 40.00 | 0.00089 | -80.00 | 30.00 | 0.00129 |
| -80.00 | 25.00 | 0.00158 | -80.00 | 20.00 | 0.00196 |
| -80.00 | 17.00 | 0.00225 | -80.00 | 15.00 | 0.00247 |
| -80.00 | 13.00 | 0.00273 | -80.00 | 11.00 | 0.00304 |
| -80.00 | 9.00 | 0.00342 | -80.00 | -9.00 | 0.00884 |
| -80.00 | -11.00 | 0.00845 | -80.00 | -13.00 | 0.00811 |
| -80.00 | -15.00 | 0.00778 | -80.00 | -17.00 | 0.00746 |
| -80.00 | -20.00 | 0.00698 | -80.00 | -25.00 | 0.00623 |
| -80.00 | -30.00 | 0.00552 | -80.00 | -40.00 | 0.00429 |
| -80.00 | -50.00 | 0.00332 | -80.00 | -60.00 | 0.00259 |
| -80.00 | -70.00 | 0.00204 | -80.00 | -80.00 | 0.00164 |
| -80.00 | -90.00 | 0.00133 | -80.00 | -100.00 | 0.00110 |
| -70.00 | 100.00 | 0.00017 | -70.00 | 90.00 | 0.00021 |
| -70.00 | 80.00 | 0.00025 | -70.00 | 70.00 | 0.00031 |
| -70.00 | 60.00 | 0.00040 | -70.00 | 50.00 | 0.00053 |
| -70.00 | 40.00 | 0.00074 | -70.00 | 30.00 | 0.00110 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -70.00 | 25.00 | 0.00138 | -70.00 | 20.00 | 0.00176 |
| -70.00 | 17.00 | 0.00205 | -70.00 | 15.00 | 0.00229 |
| -70.00 | 13.00 | 0.00256 | -70.00 | 11.00 | 0.00288 |
| -70.00 | 9.00 | 0.00329 | -70.00 | -9.00 | 0.00909 |
| -70.00 | -11.00 | 0.00871 | -70.00 | -13.00 | 0.00840 |
| -70.00 | -15.00 | 0.00809 | -70.00 | -17.00 | 0.00779 |

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

10:54:17

**MODELOPTs:

PAGE 90

CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at East/West Bound Direction ***

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

INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -70.00 | -20.00 | 0.00735 | -70.00 | -25.00 | 0.00664 |
| -70.00 | -30.00 | 0.00598 | -70.00 | -40.00 | 0.00476 |
| -70.00 | -50.00 | 0.00375 | -70.00 | -60.00 | 0.00296 |
| -70.00 | -70.00 | 0.00235 | -70.00 | -80.00 | 0.00189 |
| -70.00 | -90.00 | 0.00154 | -70.00 | -100.00 | 0.00127 |
| -60.00 | 100.00 | 0.00016 | -60.00 | 90.00 | 0.00018 |
| -60.00 | 80.00 | 0.00022 | -60.00 | 70.00 | 0.00027 |
| -60.00 | 60.00 | 0.00034 | -60.00 | 50.00 | 0.00044 |
| -60.00 | 40.00 | 0.00060 | -60.00 | 30.00 | 0.00089 |
| -60.00 | 25.00 | 0.00112 | -60.00 | 20.00 | 0.00147 |
| -60.00 | 17.00 | 0.00174 | -60.00 | 15.00 | 0.00197 |
| -60.00 | 13.00 | 0.00224 | -60.00 | 11.00 | 0.00257 |
| -60.00 | 9.00 | 0.00299 | -60.00 | -9.00 | 0.00919 |
| -60.00 | -11.00 | 0.00883 | -60.00 | -13.00 | 0.00853 |
| -60.00 | -15.00 | 0.00826 | -60.00 | -17.00 | 0.00799 |
| -60.00 | -20.00 | 0.00758 | -60.00 | -25.00 | 0.00691 |
| -60.00 | -30.00 | 0.00627 | -60.00 | -40.00 | 0.00509 |
| -60.00 | -50.00 | 0.00408 | -60.00 | -60.00 | 0.00326 |
| -60.00 | -70.00 | 0.00262 | -60.00 | -80.00 | 0.00212 |
| -60.00 | -90.00 | 0.00173 | -60.00 | -100.00 | 0.00143 |
| -50.00 | 100.00 | 0.00014 | -50.00 | 90.00 | 0.00017 |
| -50.00 | 80.00 | 0.00020 | -50.00 | 70.00 | 0.00024 |
| -50.00 | 60.00 | 0.00030 | -50.00 | 50.00 | 0.00038 |
| -50.00 | 40.00 | 0.00051 | -50.00 | 30.00 | 0.00074 |
| -50.00 | 25.00 | 0.00093 | -50.00 | 20.00 | 0.00119 |
| -50.00 | 17.00 | 0.00141 | -50.00 | 15.00 | 0.00159 |
| -50.00 | 13.00 | 0.00181 | -50.00 | 11.00 | 0.00209 |
| -50.00 | 9.00 | 0.00247 | -50.00 | -9.00 | 0.00918 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -50.00 | -11.00 | 0.00885 | -50.00 | -13.00 | 0.00854 |
| -50.00 | -15.00 | 0.00829 | -50.00 | -17.00 | 0.00804 |
| -50.00 | -20.00 | 0.00766 | -50.00 | -25.00 | 0.00702 |
| -50.00 | -30.00 | 0.00640 | -50.00 | -40.00 | 0.00527 |
| -50.00 | -50.00 | 0.00429 | -50.00 | -60.00 | 0.00348 |
| -50.00 | -70.00 | 0.00282 | -50.00 | -80.00 | 0.00230 |
| -50.00 | -90.00 | 0.00189 | -50.00 | -100.00 | 0.00157 |
| -40.00 | 100.00 | 0.00013 | -40.00 | 90.00 | 0.00015 |
| -40.00 | 80.00 | 0.00018 | -40.00 | 70.00 | 0.00022 |
| -40.00 | 60.00 | 0.00027 | -40.00 | 50.00 | 0.00034 |
| -40.00 | 40.00 | 0.00047 | -40.00 | 30.00 | 0.00068 |
| -40.00 | 25.00 | 0.00084 | -40.00 | 20.00 | 0.00108 |

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

10:54:17

**MODELOPTs:

PAGE 91

CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at East/West Bound Direction ***

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

INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -40.00 | 17.00 | 0.00127 | -40.00 | 15.00 | 0.00143 |
| -40.00 | 13.00 | 0.00162 | -40.00 | 11.00 | 0.00186 |
| -40.00 | 9.00 | 0.00216 | -40.00 | -9.00 | 0.00818 |
| -40.00 | -11.00 | 0.00816 | -40.00 | -13.00 | 0.00802 |
| -40.00 | -15.00 | 0.00784 | -40.00 | -17.00 | 0.00766 |
| -40.00 | -20.00 | 0.00736 | -40.00 | -25.00 | 0.00682 |
| -40.00 | -30.00 | 0.00627 | -40.00 | -40.00 | 0.00525 |
| -40.00 | -50.00 | 0.00434 | -40.00 | -60.00 | 0.00357 |
| -40.00 | -70.00 | 0.00294 | -40.00 | -80.00 | 0.00242 |
| -40.00 | -90.00 | 0.00201 | -40.00 | -100.00 | 0.00167 |
| -30.00 | 100.00 | 0.00012 | -30.00 | 90.00 | 0.00014 |
| -30.00 | 80.00 | 0.00017 | -30.00 | 70.00 | 0.00020 |
| -30.00 | 60.00 | 0.00025 | -30.00 | 50.00 | 0.00032 |
| -30.00 | 40.00 | 0.00044 | -30.00 | 30.00 | 0.00064 |
| -30.00 | 25.00 | 0.00079 | -30.00 | 20.00 | 0.00100 |
| -30.00 | 17.00 | 0.00118 | -30.00 | 15.00 | 0.00132 |
| -30.00 | 13.00 | 0.00150 | -30.00 | 11.00 | 0.00171 |
| -30.00 | 9.00 | 0.00196 | -30.00 | -9.00 | 0.00565 |
| -30.00 | -11.00 | 0.00594 | -30.00 | -13.00 | 0.00614 |
| -30.00 | -15.00 | 0.00628 | -30.00 | -17.00 | 0.00633 |
| -30.00 | -20.00 | 0.00632 | -30.00 | -25.00 | 0.00611 |
| -30.00 | -30.00 | 0.00577 | -30.00 | -40.00 | 0.00500 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -30.00 | -50.00 | 0.00423 | -30.00 | -60.00 | 0.00355 |
| -30.00 | -70.00 | 0.00297 | -30.00 | -80.00 | 0.00248 |
| -30.00 | -90.00 | 0.00207 | -30.00 | -100.00 | 0.00175 |
| -20.00 | 100.00 | 0.00012 | -20.00 | 90.00 | 0.00014 |
| -20.00 | 80.00 | 0.00016 | -20.00 | 70.00 | 0.00019 |
| -20.00 | 60.00 | 0.00024 | -20.00 | 50.00 | 0.00030 |
| -20.00 | 40.00 | 0.00041 | -20.00 | 30.00 | 0.00059 |
| -20.00 | 25.00 | 0.00074 | -20.00 | 20.00 | 0.00093 |
| -20.00 | 17.00 | 0.00109 | -20.00 | 15.00 | 0.00121 |
| -20.00 | 13.00 | 0.00134 | -20.00 | 11.00 | 0.00150 |
| -20.00 | 9.00 | 0.00168 | -20.00 | -9.00 | 0.00392 |
| -20.00 | -11.00 | 0.00415 | -20.00 | -13.00 | 0.00436 |
| -20.00 | -15.00 | 0.00454 | -20.00 | -17.00 | 0.00469 |
| -20.00 | -20.00 | 0.00485 | -20.00 | -25.00 | 0.00495 |
| -20.00 | -30.00 | 0.00488 | -20.00 | -40.00 | 0.00449 |
| -20.00 | -50.00 | 0.00396 | -20.00 | -60.00 | 0.00341 |
| -20.00 | -70.00 | 0.00291 | -20.00 | -80.00 | 0.00248 |
| -20.00 | -90.00 | 0.00210 | -20.00 | -100.00 | 0.00179 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -10.00 | 100.00 | 0.00011 | -10.00 | 90.00 | 0.00013 |
| -10.00 | 80.00 | 0.00015 | -10.00 | 70.00 | 0.00018 |
| -10.00 | 60.00 | 0.00022 | -10.00 | 50.00 | 0.00029 |
| -10.00 | 40.00 | 0.00039 | -10.00 | 30.00 | 0.00056 |
| -10.00 | 25.00 | 0.00069 | -10.00 | 20.00 | 0.00085 |
| -10.00 | 17.00 | 0.00098 | -10.00 | 15.00 | 0.00107 |
| -10.00 | 13.00 | 0.00117 | -10.00 | 11.00 | 0.00128 |
| -10.00 | 9.00 | 0.00141 | -10.00 | -9.00 | 0.00285 |
| -10.00 | -11.00 | 0.00301 | -10.00 | -13.00 | 0.00317 |
| -10.00 | -15.00 | 0.00331 | -10.00 | -17.00 | 0.00344 |
| -10.00 | -20.00 | 0.00361 | -10.00 | -25.00 | 0.00381 |
| -10.00 | -30.00 | 0.00391 | -10.00 | -40.00 | 0.00383 |
| -10.00 | -50.00 | 0.00354 | -10.00 | -60.00 | 0.00316 |
| -10.00 | -70.00 | 0.00278 | -10.00 | -80.00 | 0.00241 |
| -10.00 | -90.00 | 0.00208 | -10.00 | -100.00 | 0.00179 |
| 0.00 | 100.00 | 0.00010 | 0.00 | 90.00 | 0.00012 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 0.00 | 80.00 | 0.00014 | 0.00 | 70.00 | 0.00017 |
| 0.00 | 60.00 | 0.00021 | 0.00 | 50.00 | 0.00027 |
| 0.00 | 40.00 | 0.00037 | 0.00 | 30.00 | 0.00053 |
| 0.00 | 25.00 | 0.00064 | 0.00 | 20.00 | 0.00077 |
| 0.00 | 17.00 | 0.00087 | 0.00 | 15.00 | 0.00094 |
| 0.00 | 13.00 | 0.00101 | 0.00 | 11.00 | 0.00109 |
| 0.00 | 9.00 | 0.00118 | 0.00 | -9.00 | 0.00216 |
| 0.00 | -11.00 | 0.00228 | 0.00 | -13.00 | 0.00239 |
| 0.00 | -15.00 | 0.00249 | 0.00 | -17.00 | 0.00260 |
| 0.00 | -20.00 | 0.00274 | 0.00 | -25.00 | 0.00293 |
| 0.00 | -30.00 | 0.00307 | 0.00 | -40.00 | 0.00316 |
| 0.00 | -50.00 | 0.00305 | 0.00 | -60.00 | 0.00283 |
| 0.00 | -70.00 | 0.00256 | 0.00 | -80.00 | 0.00228 |
| 0.00 | -90.00 | 0.00201 | 0.00 | -100.00 | 0.00177 |
| 10.00 | 100.00 | 0.00010 | 10.00 | 90.00 | 0.00011 |
| 10.00 | 80.00 | 0.00013 | 10.00 | 70.00 | 0.00016 |
| 10.00 | 60.00 | 0.00020 | 10.00 | 50.00 | 0.00026 |
| 10.00 | 40.00 | 0.00035 | 10.00 | 30.00 | 0.00049 |
| 10.00 | 25.00 | 0.00058 | 10.00 | 20.00 | 0.00069 |
| 10.00 | 17.00 | 0.00076 | 10.00 | 15.00 | 0.00081 |
| 10.00 | 13.00 | 0.00087 | 10.00 | 11.00 | 0.00093 |
| 10.00 | 9.00 | 0.00100 | 10.00 | -9.00 | 0.00170 |
| 10.00 | -11.00 | 0.00178 | 10.00 | -13.00 | 0.00186 |
| 10.00 | -15.00 | 0.00194 | 10.00 | -17.00 | 0.00201 |

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

10:54:17
 **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 |
| 10.00 | -20.00 | 0.00212 | 10.00 | -25.00 | 0.00229 |
| 10.00 | -30.00 | 0.00242 | 10.00 | -40.00 | 0.00257 |
| 10.00 | -50.00 | 0.00258 | 10.00 | -60.00 | 0.00248 |
| 10.00 | -70.00 | 0.00231 | 10.00 | -80.00 | 0.00211 |
| 10.00 | -90.00 | 0.00190 | 10.00 | -100.00 | 0.00170 |
| 20.00 | 100.00 | 0.00009 | 20.00 | 90.00 | 0.00011 |
| 20.00 | 80.00 | 0.00013 | 20.00 | 70.00 | 0.00015 |
| 20.00 | 60.00 | 0.00019 | 20.00 | 50.00 | 0.00025 |
| 20.00 | 40.00 | 0.00034 | 20.00 | 30.00 | 0.00045 |
| 20.00 | 25.00 | 0.00053 | 20.00 | 20.00 | 0.00061 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 20.00 | 17.00 | 0.00067 | 20.00 | 15.00 | 0.00071 |
| 20.00 | 13.00 | 0.00076 | 20.00 | 11.00 | 0.00080 |
| 20.00 | 9.00 | 0.00085 | 20.00 | -9.00 | 0.00137 |
| 20.00 | -11.00 | 0.00143 | 20.00 | -13.00 | 0.00149 |
| 20.00 | -15.00 | 0.00154 | 20.00 | -17.00 | 0.00160 |
| 20.00 | -20.00 | 0.00169 | 20.00 | -25.00 | 0.00182 |
| 20.00 | -30.00 | 0.00194 | 20.00 | -40.00 | 0.00210 |
| 20.00 | -50.00 | 0.00216 | 20.00 | -60.00 | 0.00214 |
| 20.00 | -70.00 | 0.00205 | 20.00 | -80.00 | 0.00192 |
| 20.00 | -90.00 | 0.00177 | 20.00 | -100.00 | 0.00161 |
| 30.00 | 100.00 | 0.00009 | 30.00 | 90.00 | 0.00010 |
| 30.00 | 80.00 | 0.00012 | 30.00 | 70.00 | 0.00015 |
| 30.00 | 60.00 | 0.00019 | 30.00 | 50.00 | 0.00024 |
| 30.00 | 40.00 | 0.00032 | 30.00 | 30.00 | 0.00042 |
| 30.00 | 25.00 | 0.00048 | 30.00 | 20.00 | 0.00055 |
| 30.00 | 17.00 | 0.00059 | 30.00 | 15.00 | 0.00063 |
| 30.00 | 13.00 | 0.00066 | 30.00 | 11.00 | 0.00070 |
| 30.00 | 9.00 | 0.00074 | 30.00 | -9.00 | 0.00113 |
| 30.00 | -11.00 | 0.00117 | 30.00 | -13.00 | 0.00122 |
| 30.00 | -15.00 | 0.00126 | 30.00 | -17.00 | 0.00130 |
| 30.00 | -20.00 | 0.00137 | 30.00 | -25.00 | 0.00148 |
| 30.00 | -30.00 | 0.00157 | 30.00 | -40.00 | 0.00172 |
| 30.00 | -50.00 | 0.00181 | 30.00 | -60.00 | 0.00183 |
| 30.00 | -70.00 | 0.00180 | 30.00 | -80.00 | 0.00172 |
| 30.00 | -90.00 | 0.00161 | 30.00 | -100.00 | 0.00150 |
| 40.00 | 100.00 | 0.00008 | 40.00 | 90.00 | 0.00010 |
| 40.00 | 80.00 | 0.00012 | 40.00 | 70.00 | 0.00014 |
| 40.00 | 60.00 | 0.00018 | 40.00 | 50.00 | 0.00023 |
| 40.00 | 40.00 | 0.00030 | 40.00 | 30.00 | 0.00038 |
| 40.00 | 25.00 | 0.00043 | 40.00 | 20.00 | 0.00049 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.00 | 17.00 | 0.00053 | 40.00 | 15.00 | 0.00055 |
| 40.00 | 13.00 | 0.00058 | 40.00 | 11.00 | 0.00061 |
| 40.00 | 9.00 | 0.00064 | 40.00 | -9.00 | 0.00095 |
| 40.00 | -11.00 | 0.00098 | 40.00 | -13.00 | 0.00101 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 40.00 | -15.00 | 0.00105 | 40.00 | -17.00 | 0.00108 |
| 40.00 | -20.00 | 0.00113 | 40.00 | -25.00 | 0.00122 |
| 40.00 | -30.00 | 0.00130 | 40.00 | -40.00 | 0.00143 |
| 40.00 | -50.00 | 0.00152 | 40.00 | -60.00 | 0.00157 |
| 40.00 | -70.00 | 0.00157 | 40.00 | -80.00 | 0.00153 |
| 40.00 | -90.00 | 0.00146 | 40.00 | -100.00 | 0.00138 |
| 50.00 | 100.00 | 0.00008 | 50.00 | 90.00 | 0.00010 |
| 50.00 | 80.00 | 0.00011 | 50.00 | 70.00 | 0.00014 |
| 50.00 | 60.00 | 0.00018 | 50.00 | 50.00 | 0.00022 |
| 50.00 | 40.00 | 0.00028 | 50.00 | 30.00 | 0.00035 |
| 50.00 | 25.00 | 0.00039 | 50.00 | 20.00 | 0.00044 |
| 50.00 | 17.00 | 0.00047 | 50.00 | 15.00 | 0.00049 |
| 50.00 | 13.00 | 0.00051 | 50.00 | 11.00 | 0.00054 |
| 50.00 | 9.00 | 0.00056 | 50.00 | -9.00 | 0.00081 |
| 50.00 | -11.00 | 0.00083 | 50.00 | -13.00 | 0.00086 |
| 50.00 | -15.00 | 0.00089 | 50.00 | -17.00 | 0.00091 |
| 50.00 | -20.00 | 0.00095 | 50.00 | -25.00 | 0.00102 |
| 50.00 | -30.00 | 0.00109 | 50.00 | -40.00 | 0.00120 |
| 50.00 | -50.00 | 0.00129 | 50.00 | -60.00 | 0.00134 |
| 50.00 | -70.00 | 0.00137 | 50.00 | -80.00 | 0.00135 |
| 50.00 | -90.00 | 0.00132 | 50.00 | -100.00 | 0.00126 |
| 60.00 | 100.00 | 0.00008 | 60.00 | 90.00 | 0.00009 |
| 60.00 | 80.00 | 0.00011 | 60.00 | 70.00 | 0.00014 |
| 60.00 | 60.00 | 0.00017 | 60.00 | 50.00 | 0.00021 |
| 60.00 | 40.00 | 0.00026 | 60.00 | 30.00 | 0.00032 |
| 60.00 | 25.00 | 0.00036 | 60.00 | 20.00 | 0.00039 |
| 60.00 | 17.00 | 0.00042 | 60.00 | 15.00 | 0.00044 |
| 60.00 | 13.00 | 0.00046 | 60.00 | 11.00 | 0.00048 |
| 60.00 | 9.00 | 0.00050 | 60.00 | -9.00 | 0.00069 |
| 60.00 | -11.00 | 0.00072 | 60.00 | -13.00 | 0.00074 |
| 60.00 | -15.00 | 0.00076 | 60.00 | -17.00 | 0.00078 |
| 60.00 | -20.00 | 0.00081 | 60.00 | -25.00 | 0.00087 |
| 60.00 | -30.00 | 0.00092 | 60.00 | -40.00 | 0.00102 |
| 60.00 | -50.00 | 0.00110 | 60.00 | -60.00 | 0.00116 |
| 60.00 | -70.00 | 0.00119 | 60.00 | -80.00 | 0.00120 |
| 60.00 | -90.00 | 0.00118 | 60.00 | -100.00 | 0.00114 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 ***

09NCRA PL94-300 DPM TRAV ANN E-W Bound
 ** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 70.00 | 100.00 | 0.00008 | 70.00 | 90.00 | 0.00009 |
| 70.00 | 80.00 | 0.00011 | 70.00 | 70.00 | 0.00013 |
| 70.00 | 60.00 | 0.00016 | 70.00 | 50.00 | 0.00020 |
| 70.00 | 40.00 | 0.00024 | 70.00 | 30.00 | 0.00029 |
| 70.00 | 25.00 | 0.00032 | 70.00 | 20.00 | 0.00036 |
| 70.00 | 17.00 | 0.00038 | 70.00 | 15.00 | 0.00040 |
| 70.00 | 13.00 | 0.00041 | 70.00 | 11.00 | 0.00043 |
| 70.00 | 9.00 | 0.00044 | 70.00 | -9.00 | 0.00060 |
| 70.00 | -11.00 | 0.00062 | 70.00 | -13.00 | 0.00064 |
| 70.00 | -15.00 | 0.00066 | 70.00 | -17.00 | 0.00068 |
| 70.00 | -20.00 | 0.00070 | 70.00 | -25.00 | 0.00075 |
| 70.00 | -30.00 | 0.00079 | 70.00 | -40.00 | 0.00088 |
| 70.00 | -50.00 | 0.00095 | 70.00 | -60.00 | 0.00100 |
| 70.00 | -70.00 | 0.00104 | 70.00 | -80.00 | 0.00106 |
| 70.00 | -90.00 | 0.00105 | 70.00 | -100.00 | 0.00104 |
| 80.00 | 100.00 | 0.00008 | 80.00 | 90.00 | 0.00009 |
| 80.00 | 80.00 | 0.00011 | 80.00 | 70.00 | 0.00013 |
| 80.00 | 60.00 | 0.00016 | 80.00 | 50.00 | 0.00019 |
| 80.00 | 40.00 | 0.00023 | 80.00 | 30.00 | 0.00027 |
| 80.00 | 25.00 | 0.00030 | 80.00 | 20.00 | 0.00033 |
| 80.00 | 17.00 | 0.00034 | 80.00 | 15.00 | 0.00036 |
| 80.00 | 13.00 | 0.00037 | 80.00 | 11.00 | 0.00038 |
| 80.00 | 9.00 | 0.00040 | 80.00 | -9.00 | 0.00053 |
| 80.00 | -11.00 | 0.00055 | 80.00 | -13.00 | 0.00056 |
| 80.00 | -15.00 | 0.00058 | 80.00 | -17.00 | 0.00059 |
| 80.00 | -20.00 | 0.00061 | 80.00 | -25.00 | 0.00065 |
| 80.00 | -30.00 | 0.00069 | 80.00 | -40.00 | 0.00076 |
| 80.00 | -50.00 | 0.00082 | 80.00 | -60.00 | 0.00088 |
| 80.00 | -70.00 | 0.00091 | 80.00 | -80.00 | 0.00093 |
| 80.00 | -90.00 | 0.00094 | 80.00 | -100.00 | 0.00093 |
| 90.00 | 100.00 | 0.00007 | 90.00 | 90.00 | 0.00009 |
| 90.00 | 80.00 | 0.00010 | 90.00 | 70.00 | 0.00013 |
| 90.00 | 60.00 | 0.00015 | 90.00 | 50.00 | 0.00018 |
| 90.00 | 40.00 | 0.00021 | 90.00 | 30.00 | 0.00025 |
| 90.00 | 25.00 | 0.00027 | 90.00 | 20.00 | 0.00030 |
| 90.00 | 17.00 | 0.00031 | 90.00 | 15.00 | 0.00032 |
| 90.00 | 13.00 | 0.00034 | 90.00 | 11.00 | 0.00035 |
| 90.00 | 9.00 | 0.00036 | 90.00 | -9.00 | 0.00047 |
| 90.00 | -11.00 | 0.00048 | 90.00 | -13.00 | 0.00050 |
| 90.00 | -15.00 | 0.00051 | 90.00 | -17.00 | 0.00052 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 |
| 90.00 | -20.00 | 0.00054 | 90.00 | -25.00 | 0.00057 |
| 90.00 | -30.00 | 0.00060 | 90.00 | -40.00 | 0.00066 |
| 90.00 | -50.00 | 0.00072 | 90.00 | -60.00 | 0.00077 |
| 90.00 | -70.00 | 0.00080 | 90.00 | -80.00 | 0.00083 |
| 90.00 | -90.00 | 0.00084 | 90.00 | -100.00 | 0.00084 |
| 100.00 | 100.00 | 0.00007 | 100.00 | 90.00 | 0.00009 |
| 100.00 | 80.00 | 0.00010 | 100.00 | 70.00 | 0.00012 |
| 100.00 | 60.00 | 0.00014 | 100.00 | 50.00 | 0.00017 |
| 100.00 | 40.00 | 0.00020 | 100.00 | 30.00 | 0.00023 |
| 100.00 | 25.00 | 0.00025 | 100.00 | 20.00 | 0.00027 |
| 100.00 | 17.00 | 0.00029 | 100.00 | 15.00 | 0.00030 |
| 100.00 | 13.00 | 0.00031 | 100.00 | 11.00 | 0.00032 |
| 100.00 | 9.00 | 0.00033 | 100.00 | -9.00 | 0.00042 |
| 100.00 | -11.00 | 0.00043 | 100.00 | -13.00 | 0.00044 |
| 100.00 | -15.00 | 0.00045 | 100.00 | -17.00 | 0.00046 |
| 100.00 | -20.00 | 0.00048 | 100.00 | -25.00 | 0.00050 |
| 100.00 | -30.00 | 0.00053 | 100.00 | -40.00 | 0.00059 |
| 100.00 | -50.00 | 0.00064 | 100.00 | -60.00 | 0.00068 |
| 100.00 | -70.00 | 0.00071 | 100.00 | -80.00 | 0.00074 |
| 100.00 | -90.00 | 0.00075 | 100.00 | -100.00 | 0.00076 |
| 110.00 | 100.00 | 0.00007 | 110.00 | 90.00 | 0.00008 |
| 110.00 | 80.00 | 0.00010 | 110.00 | 70.00 | 0.00012 |
| 110.00 | 60.00 | 0.00014 | 110.00 | 50.00 | 0.00016 |
| 110.00 | 40.00 | 0.00018 | 110.00 | 30.00 | 0.00021 |
| 110.00 | 25.00 | 0.00023 | 110.00 | 20.00 | 0.00025 |
| 110.00 | 17.00 | 0.00026 | 110.00 | 15.00 | 0.00027 |
| 110.00 | 13.00 | 0.00028 | 110.00 | 11.00 | 0.00029 |
| 110.00 | 9.00 | 0.00030 | 110.00 | -9.00 | 0.00038 |
| 110.00 | -11.00 | 0.00039 | 110.00 | -13.00 | 0.00040 |
| 110.00 | -15.00 | 0.00041 | 110.00 | -17.00 | 0.00041 |
| 110.00 | -20.00 | 0.00043 | 110.00 | -25.00 | 0.00045 |
| 110.00 | -30.00 | 0.00047 | 110.00 | -40.00 | 0.00052 |
| 110.00 | -50.00 | 0.00056 | 110.00 | -60.00 | 0.00060 |
| 110.00 | -70.00 | 0.00063 | 110.00 | -80.00 | 0.00066 |
| 110.00 | -90.00 | 0.00068 | 110.00 | -100.00 | 0.00069 |
| 120.00 | 100.00 | 0.00007 | 120.00 | 90.00 | 0.00008 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|-------|---------|--------|-------|---------|
| 120.00 | 80.00 | 0.00010 | 120.00 | 70.00 | 0.00011 |
| 120.00 | 60.00 | 0.00013 | 120.00 | 50.00 | 0.00015 |
| 120.00 | 40.00 | 0.00017 | 120.00 | 30.00 | 0.00020 |
| 120.00 | 25.00 | 0.00021 | 120.00 | 20.00 | 0.00023 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 120.00 | 17.00 | 0.00024 | 120.00 | 15.00 | 0.00025 |
| 120.00 | 13.00 | 0.00026 | 120.00 | 11.00 | 0.00026 |
| 120.00 | 9.00 | 0.00027 | 120.00 | -9.00 | 0.00034 |
| 120.00 | -11.00 | 0.00035 | 120.00 | -13.00 | 0.00036 |
| 120.00 | -15.00 | 0.00037 | 120.00 | -17.00 | 0.00037 |
| 120.00 | -20.00 | 0.00038 | 120.00 | -25.00 | 0.00040 |
| 120.00 | -30.00 | 0.00042 | 120.00 | -40.00 | 0.00046 |
| 120.00 | -50.00 | 0.00050 | 120.00 | -60.00 | 0.00054 |
| 120.00 | -70.00 | 0.00057 | 120.00 | -80.00 | 0.00059 |
| 120.00 | -90.00 | 0.00061 | 120.00 | -100.00 | 0.00062 |
| 130.00 | 100.00 | 0.00007 | 130.00 | 90.00 | 0.00008 |
| 130.00 | 80.00 | 0.00009 | 130.00 | 70.00 | 0.00011 |
| 130.00 | 60.00 | 0.00012 | 130.00 | 50.00 | 0.00014 |
| 130.00 | 40.00 | 0.00016 | 130.00 | 30.00 | 0.00019 |
| 130.00 | 25.00 | 0.00020 | 130.00 | 20.00 | 0.00021 |
| 130.00 | 17.00 | 0.00022 | 130.00 | 15.00 | 0.00023 |
| 130.00 | 13.00 | 0.00024 | 130.00 | 11.00 | 0.00024 |
| 130.00 | 9.00 | 0.00025 | 130.00 | -9.00 | 0.00031 |
| 130.00 | -11.00 | 0.00032 | 130.00 | -13.00 | 0.00032 |
| 130.00 | -15.00 | 0.00033 | 130.00 | -17.00 | 0.00034 |
| 130.00 | -20.00 | 0.00035 | 130.00 | -25.00 | 0.00036 |
| 130.00 | -30.00 | 0.00038 | 130.00 | -40.00 | 0.00042 |
| 130.00 | -50.00 | 0.00045 | 130.00 | -60.00 | 0.00048 |
| 130.00 | -70.00 | 0.00051 | 130.00 | -80.00 | 0.00053 |
| 130.00 | -90.00 | 0.00055 | 130.00 | -100.00 | 0.00056 |
| 140.00 | 100.00 | 0.00007 | 140.00 | 90.00 | 0.00008 |
| 140.00 | 80.00 | 0.00009 | 140.00 | 70.00 | 0.00010 |
| 140.00 | 60.00 | 0.00012 | 140.00 | 50.00 | 0.00013 |
| 140.00 | 40.00 | 0.00015 | 140.00 | 30.00 | 0.00017 |
| 140.00 | 25.00 | 0.00019 | 140.00 | 20.00 | 0.00020 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 140.00 | 17.00 | 0.00021 | 140.00 | 15.00 | 0.00021 |
| 140.00 | 13.00 | 0.00022 | 140.00 | 11.00 | 0.00022 |
| 140.00 | 9.00 | 0.00023 | 140.00 | -9.00 | 0.00028 |
| 140.00 | -11.00 | 0.00029 | 140.00 | -13.00 | 0.00030 |
| 140.00 | -15.00 | 0.00030 | 140.00 | -17.00 | 0.00031 |
| 140.00 | -20.00 | 0.00032 | 140.00 | -25.00 | 0.00033 |
| 140.00 | -30.00 | 0.00035 | 140.00 | -40.00 | 0.00038 |
| 140.00 | -50.00 | 0.00041 | 140.00 | -60.00 | 0.00043 |
| 140.00 | -70.00 | 0.00046 | 140.00 | -80.00 | 0.00048 |
| 140.00 | -90.00 | 0.00050 | 140.00 | -100.00 | 0.00051 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 150.00 | 100.00 | 0.00007 | 150.00 | 90.00 | 0.00008 |
| 150.00 | 80.00 | 0.00009 | 150.00 | 70.00 | 0.00010 |
| 150.00 | 60.00 | 0.00011 | 150.00 | 50.00 | 0.00013 |
| 150.00 | 40.00 | 0.00014 | 150.00 | 30.00 | 0.00016 |
| 150.00 | 25.00 | 0.00017 | 150.00 | 20.00 | 0.00018 |
| 150.00 | 17.00 | 0.00019 | 150.00 | 15.00 | 0.00020 |
| 150.00 | 13.00 | 0.00020 | 150.00 | 11.00 | 0.00021 |
| 150.00 | 9.00 | 0.00021 | 150.00 | -9.00 | 0.00026 |
| 150.00 | -11.00 | 0.00027 | 150.00 | -13.00 | 0.00027 |
| 150.00 | -15.00 | 0.00028 | 150.00 | -17.00 | 0.00028 |
| 150.00 | -20.00 | 0.00029 | 150.00 | -25.00 | 0.00030 |
| 150.00 | -30.00 | 0.00031 | 150.00 | -40.00 | 0.00034 |
| 150.00 | -50.00 | 0.00037 | 150.00 | -60.00 | 0.00039 |
| 150.00 | -70.00 | 0.00042 | 150.00 | -80.00 | 0.00044 |
| 150.00 | -90.00 | 0.00045 | 150.00 | -100.00 | 0.00047 |
| 160.00 | 100.00 | 0.00006 | 160.00 | 90.00 | 0.00007 |
| 160.00 | 80.00 | 0.00008 | 160.00 | 70.00 | 0.00009 |
| 160.00 | 60.00 | 0.00011 | 160.00 | 50.00 | 0.00012 |
| 160.00 | 40.00 | 0.00013 | 160.00 | 30.00 | 0.00015 |
| 160.00 | 25.00 | 0.00016 | 160.00 | 20.00 | 0.00017 |
| 160.00 | 17.00 | 0.00018 | 160.00 | 15.00 | 0.00018 |
| 160.00 | 13.00 | 0.00019 | 160.00 | 11.00 | 0.00019 |
| 160.00 | 9.00 | 0.00020 | 160.00 | -9.00 | 0.00024 |
| 160.00 | -11.00 | 0.00024 | 160.00 | -13.00 | 0.00025 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 160.00 | -15.00 | 0.00025 | 160.00 | -17.00 | 0.00026 |
| 160.00 | -20.00 | 0.00026 | 160.00 | -25.00 | 0.00028 |
| 160.00 | -30.00 | 0.00029 | 160.00 | -40.00 | 0.00031 |
| 160.00 | -50.00 | 0.00033 | 160.00 | -60.00 | 0.00036 |
| 160.00 | -70.00 | 0.00038 | 160.00 | -80.00 | 0.00040 |
| 160.00 | -90.00 | 0.00041 | 160.00 | -100.00 | 0.00043 |
| 170.00 | 100.00 | 0.00006 | 170.00 | 90.00 | 0.00007 |
| 170.00 | 80.00 | 0.00008 | 170.00 | 70.00 | 0.00009 |
| 170.00 | 60.00 | 0.00010 | 170.00 | 50.00 | 0.00011 |
| 170.00 | 40.00 | 0.00013 | 170.00 | 30.00 | 0.00014 |
| 170.00 | 25.00 | 0.00015 | 170.00 | 20.00 | 0.00016 |
| 170.00 | 17.00 | 0.00017 | 170.00 | 15.00 | 0.00017 |
| 170.00 | 13.00 | 0.00018 | 170.00 | 11.00 | 0.00018 |
| 170.00 | 9.00 | 0.00018 | 170.00 | -9.00 | 0.00022 |
| 170.00 | -11.00 | 0.00022 | 170.00 | -13.00 | 0.00023 |
| 170.00 | -15.00 | 0.00023 | 170.00 | -17.00 | 0.00024 |

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

10:54:17

**MODELOPTs:

PAGE 99

CONC

URBAN FLAT FLGPOL DFAULT

*** Maximum train overlap at East/West Bound Direction ***

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

INCLUDING SOURCE(S): NCRA_S4 ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 170.00 | -20.00 | 0.00024 | 170.00 | -25.00 | 0.00025 |
| 170.00 | -30.00 | 0.00026 | 170.00 | -40.00 | 0.00028 |
| 170.00 | -50.00 | 0.00031 | 170.00 | -60.00 | 0.00033 |
| 170.00 | -70.00 | 0.00035 | 170.00 | -80.00 | 0.00036 |
| 170.00 | -90.00 | 0.00038 | 170.00 | -100.00 | 0.00039 |
| 180.00 | 100.00 | 0.00006 | 180.00 | 90.00 | 0.00007 |
| 180.00 | 80.00 | 0.00008 | 180.00 | 70.00 | 0.00009 |
| 180.00 | 60.00 | 0.00010 | 180.00 | 50.00 | 0.00011 |
| 180.00 | 40.00 | 0.00012 | 180.00 | 30.00 | 0.00013 |
| 180.00 | 25.00 | 0.00014 | 180.00 | 20.00 | 0.00015 |
| 180.00 | 17.00 | 0.00016 | 180.00 | 15.00 | 0.00016 |
| 180.00 | 13.00 | 0.00016 | 180.00 | 11.00 | 0.00017 |
| 180.00 | 9.00 | 0.00017 | 180.00 | -9.00 | 0.00020 |
| 180.00 | -11.00 | 0.00021 | 180.00 | -13.00 | 0.00021 |
| 180.00 | -15.00 | 0.00022 | 180.00 | -17.00 | 0.00022 |
| 180.00 | -20.00 | 0.00022 | 180.00 | -25.00 | 0.00023 |
| 180.00 | -30.00 | 0.00024 | 180.00 | -40.00 | 0.00026 |
| 180.00 | -50.00 | 0.00028 | 180.00 | -60.00 | 0.00030 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 180.00 | -70.00 | 0.00032 | 180.00 | -80.00 | 0.00033 |
| 180.00 | -90.00 | 0.00035 | 180.00 | -100.00 | 0.00036 |
| 190.00 | 100.00 | 0.00006 | 190.00 | 90.00 | 0.00007 |
| 190.00 | 80.00 | 0.00007 | 190.00 | 70.00 | 0.00008 |
| 190.00 | 60.00 | 0.00009 | 190.00 | 50.00 | 0.00010 |
| 190.00 | 40.00 | 0.00011 | 190.00 | 30.00 | 0.00013 |
| 190.00 | 25.00 | 0.00013 | 190.00 | 20.00 | 0.00014 |
| 190.00 | 17.00 | 0.00015 | 190.00 | 15.00 | 0.00015 |
| 190.00 | 13.00 | 0.00015 | 190.00 | 11.00 | 0.00016 |
| 190.00 | 9.00 | 0.00016 | 190.00 | -9.00 | 0.00019 |
| 190.00 | -11.00 | 0.00019 | 190.00 | -13.00 | 0.00020 |
| 190.00 | -15.00 | 0.00020 | 190.00 | -17.00 | 0.00020 |
| 190.00 | -20.00 | 0.00021 | 190.00 | -25.00 | 0.00022 |
| 190.00 | -30.00 | 0.00022 | 190.00 | -40.00 | 0.00024 |
| 190.00 | -50.00 | 0.00026 | 190.00 | -60.00 | 0.00027 |
| 190.00 | -70.00 | 0.00029 | 190.00 | -80.00 | 0.00031 |
| 190.00 | -90.00 | 0.00032 | 190.00 | -100.00 | 0.00033 |
| 200.00 | 100.00 | 0.00006 | 200.00 | 90.00 | 0.00006 |
| 200.00 | 80.00 | 0.00007 | 200.00 | 70.00 | 0.00008 |
| 200.00 | 60.00 | 0.00009 | 200.00 | 50.00 | 0.00010 |
| 200.00 | 40.00 | 0.00011 | 200.00 | 30.00 | 0.00012 |
| 200.00 | 25.00 | 0.00013 | 200.00 | 20.00 | 0.00013 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 200.00 | 17.00 | 0.00014 | 200.00 | 15.00 | 0.00014 |
| 200.00 | 13.00 | 0.00014 | 200.00 | 11.00 | 0.00015 |
| 200.00 | 9.00 | 0.00015 | 200.00 | -9.00 | 0.00018 |
| 200.00 | -11.00 | 0.00018 | 200.00 | -13.00 | 0.00018 |
| 200.00 | -15.00 | 0.00019 | 200.00 | -17.00 | 0.00019 |
| 200.00 | -20.00 | 0.00019 | 200.00 | -25.00 | 0.00020 |
| 200.00 | -30.00 | 0.00021 | 200.00 | -40.00 | 0.00022 |
| 200.00 | -50.00 | 0.00024 | 200.00 | -60.00 | 0.00025 |
| 200.00 | -70.00 | 0.00027 | 200.00 | -80.00 | 0.00028 |
| 200.00 | -90.00 | 0.00030 | 200.00 | -100.00 | 0.00031 |
| 210.00 | 100.00 | 0.00006 | 210.00 | 90.00 | 0.00006 |
| 210.00 | 80.00 | 0.00007 | 210.00 | 70.00 | 0.00008 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 210.00 | 60.00 | 0.00008 | 210.00 | 50.00 | 0.00009 |
| 210.00 | 40.00 | 0.00010 | 210.00 | 30.00 | 0.00011 |
| 210.00 | 25.00 | 0.00012 | 210.00 | 20.00 | 0.00013 |
| 210.00 | 17.00 | 0.00013 | 210.00 | 15.00 | 0.00013 |
| 210.00 | 13.00 | 0.00014 | 210.00 | 11.00 | 0.00014 |
| 210.00 | 9.00 | 0.00014 | 210.00 | -9.00 | 0.00017 |
| 210.00 | -11.00 | 0.00017 | 210.00 | -13.00 | 0.00017 |
| 210.00 | -15.00 | 0.00017 | 210.00 | -17.00 | 0.00018 |
| 210.00 | -20.00 | 0.00018 | 210.00 | -25.00 | 0.00019 |
| 210.00 | -30.00 | 0.00019 | 210.00 | -40.00 | 0.00021 |
| 210.00 | -50.00 | 0.00022 | 210.00 | -60.00 | 0.00023 |
| 210.00 | -70.00 | 0.00025 | 210.00 | -80.00 | 0.00026 |
| 210.00 | -90.00 | 0.00027 | 210.00 | -100.00 | 0.00028 |
| 220.00 | 100.00 | 0.00005 | 220.00 | 90.00 | 0.00006 |
| 220.00 | 80.00 | 0.00007 | 220.00 | 70.00 | 0.00007 |
| 220.00 | 60.00 | 0.00008 | 220.00 | 50.00 | 0.00009 |
| 220.00 | 40.00 | 0.00010 | 220.00 | 30.00 | 0.00011 |
| 220.00 | 25.00 | 0.00011 | 220.00 | 20.00 | 0.00012 |
| 220.00 | 17.00 | 0.00012 | 220.00 | 15.00 | 0.00013 |
| 220.00 | 13.00 | 0.00013 | 220.00 | 11.00 | 0.00013 |
| 220.00 | 9.00 | 0.00013 | 220.00 | -9.00 | 0.00015 |
| 220.00 | -11.00 | 0.00016 | 220.00 | -13.00 | 0.00016 |
| 220.00 | -15.00 | 0.00016 | 220.00 | -17.00 | 0.00016 |
| 220.00 | -20.00 | 0.00017 | 220.00 | -25.00 | 0.00017 |
| 220.00 | -30.00 | 0.00018 | 220.00 | -40.00 | 0.00019 |
| 220.00 | -50.00 | 0.00020 | 220.00 | -60.00 | 0.00022 |
| 220.00 | -70.00 | 0.00023 | 220.00 | -80.00 | 0.00024 |
| 220.00 | -90.00 | 0.00025 | 220.00 | -100.00 | 0.00026 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 230.00 | 100.00 | 0.00005 | 230.00 | 90.00 | 0.00006 |
| 230.00 | 80.00 | 0.00006 | 230.00 | 70.00 | 0.00007 |
| 230.00 | 60.00 | 0.00008 | 230.00 | 50.00 | 0.00008 |
| 230.00 | 40.00 | 0.00009 | 230.00 | 30.00 | 0.00010 |
| 230.00 | 25.00 | 0.00011 | 230.00 | 20.00 | 0.00011 |
| 230.00 | 17.00 | 0.00012 | 230.00 | 15.00 | 0.00012 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 230.00 | 13.00 | 0.00012 | 230.00 | 11.00 | 0.00012 |
| 230.00 | 9.00 | 0.00013 | 230.00 | -9.00 | 0.00015 |
| 230.00 | -11.00 | 0.00015 | 230.00 | -13.00 | 0.00015 |
| 230.00 | -15.00 | 0.00015 | 230.00 | -17.00 | 0.00015 |
| 230.00 | -20.00 | 0.00016 | 230.00 | -25.00 | 0.00016 |
| 230.00 | -30.00 | 0.00017 | 230.00 | -40.00 | 0.00018 |
| 230.00 | -50.00 | 0.00019 | 230.00 | -60.00 | 0.00020 |
| 230.00 | -70.00 | 0.00021 | 230.00 | -80.00 | 0.00023 |
| 230.00 | -90.00 | 0.00024 | 230.00 | -100.00 | 0.00025 |
| 240.00 | 100.00 | 0.00005 | 240.00 | 90.00 | 0.00006 |
| 240.00 | 80.00 | 0.00006 | 240.00 | 70.00 | 0.00007 |
| 240.00 | 60.00 | 0.00007 | 240.00 | 50.00 | 0.00008 |
| 240.00 | 40.00 | 0.00009 | 240.00 | 30.00 | 0.00010 |
| 240.00 | 25.00 | 0.00010 | 240.00 | 20.00 | 0.00011 |
| 240.00 | 17.00 | 0.00011 | 240.00 | 15.00 | 0.00011 |
| 240.00 | 13.00 | 0.00011 | 240.00 | 11.00 | 0.00012 |
| 240.00 | 9.00 | 0.00012 | 240.00 | -9.00 | 0.00014 |
| 240.00 | -11.00 | 0.00014 | 240.00 | -13.00 | 0.00014 |
| 240.00 | -15.00 | 0.00014 | 240.00 | -17.00 | 0.00014 |
| 240.00 | -20.00 | 0.00015 | 240.00 | -25.00 | 0.00015 |
| 240.00 | -30.00 | 0.00016 | 240.00 | -40.00 | 0.00017 |
| 240.00 | -50.00 | 0.00018 | 240.00 | -60.00 | 0.00019 |
| 240.00 | -70.00 | 0.00020 | 240.00 | -80.00 | 0.00021 |
| 240.00 | -90.00 | 0.00022 | 240.00 | -100.00 | 0.00023 |
| 250.00 | 100.00 | 0.00005 | 250.00 | 90.00 | 0.00005 |
| 250.00 | 80.00 | 0.00006 | 250.00 | 70.00 | 0.00006 |
| 250.00 | 60.00 | 0.00007 | 250.00 | 50.00 | 0.00008 |
| 250.00 | 40.00 | 0.00008 | 250.00 | 30.00 | 0.00009 |
| 250.00 | 25.00 | 0.00010 | 250.00 | 20.00 | 0.00010 |
| 250.00 | 17.00 | 0.00010 | 250.00 | 15.00 | 0.00011 |
| 250.00 | 13.00 | 0.00011 | 250.00 | 11.00 | 0.00011 |
| 250.00 | 9.00 | 0.00011 | 250.00 | -9.00 | 0.00013 |
| 250.00 | -11.00 | 0.00013 | 250.00 | -13.00 | 0.00013 |
| 250.00 | -15.00 | 0.00013 | 250.00 | -17.00 | 0.00014 |

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

04/20/08

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 250.00 | -20.00 | 0.00014 | 250.00 | -25.00 | 0.00014 |
| 250.00 | -30.00 | 0.00015 | 250.00 | -40.00 | 0.00016 |
| 250.00 | -50.00 | 0.00017 | 250.00 | -60.00 | 0.00018 |
| 250.00 | -70.00 | 0.00019 | 250.00 | -80.00 | 0.00020 |
| 250.00 | -90.00 | 0.00021 | 250.00 | -100.00 | 0.00021 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -250.00 | 100.00 | 0.00039 | -250.00 | 90.00 | 0.00047 |
| -250.00 | 80.00 | 0.00056 | -250.00 | 70.00 | 0.00066 |
| -250.00 | 60.00 | 0.00079 | -250.00 | 50.00 | 0.00095 |
| -250.00 | 40.00 | 0.00112 | -250.00 | 30.00 | 0.00128 |
| -250.00 | 25.00 | 0.00134 | -250.00 | 20.00 | 0.00138 |
| -250.00 | 17.00 | 0.00138 | -250.00 | 15.00 | 0.00137 |
| -250.00 | 13.00 | 0.00135 | -250.00 | 11.00 | 0.00132 |
| -250.00 | 9.00 | 0.00128 | -250.00 | -9.00 | 0.00081 |
| -250.00 | -11.00 | 0.00079 | -250.00 | -13.00 | 0.00077 |
| -250.00 | -15.00 | 0.00076 | -250.00 | -17.00 | 0.00075 |
| -250.00 | -20.00 | 0.00073 | -250.00 | -25.00 | 0.00070 |
| -250.00 | -30.00 | 0.00067 | -250.00 | -40.00 | 0.00060 |
| -250.00 | -50.00 | 0.00053 | -250.00 | -60.00 | 0.00047 |
| -250.00 | -70.00 | 0.00042 | -250.00 | -80.00 | 0.00038 |
| -250.00 | -90.00 | 0.00034 | -250.00 | -100.00 | 0.00031 |
| -240.00 | 100.00 | 0.00038 | -240.00 | 90.00 | 0.00046 |
| -240.00 | 80.00 | 0.00055 | -240.00 | 70.00 | 0.00067 |
| -240.00 | 60.00 | 0.00082 | -240.00 | 50.00 | 0.00101 |
| -240.00 | 40.00 | 0.00124 | -240.00 | 30.00 | 0.00150 |
| -240.00 | 25.00 | 0.00162 | -240.00 | 20.00 | 0.00171 |
| -240.00 | 17.00 | 0.00175 | -240.00 | 15.00 | 0.00176 |
| -240.00 | 13.00 | 0.00175 | -240.00 | 11.00 | 0.00173 |
| -240.00 | 9.00 | 0.00169 | -240.00 | -9.00 | 0.00098 |
| -240.00 | -11.00 | 0.00095 | -240.00 | -13.00 | 0.00093 |
| -240.00 | -15.00 | 0.00091 | -240.00 | -17.00 | 0.00089 |
| -240.00 | -20.00 | 0.00086 | -240.00 | -25.00 | 0.00082 |
| -240.00 | -30.00 | 0.00078 | -240.00 | -40.00 | 0.00070 |
| -240.00 | -50.00 | 0.00062 | -240.00 | -60.00 | 0.00055 |
| -240.00 | -70.00 | 0.00048 | -240.00 | -80.00 | 0.00043 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -240.00 | -90.00 | 0.00039 | -240.00 | -100.00 | 0.00035 |
| -230.00 | 100.00 | 0.00037 | -230.00 | 90.00 | 0.00044 |
| -230.00 | 80.00 | 0.00054 | -230.00 | 70.00 | 0.00066 |
| -230.00 | 60.00 | 0.00082 | -230.00 | 50.00 | 0.00103 |
| -230.00 | 40.00 | 0.00129 | -230.00 | 30.00 | 0.00163 |
| -230.00 | 25.00 | 0.00182 | -230.00 | 20.00 | 0.00201 |
| -230.00 | 17.00 | 0.00212 | -230.00 | 15.00 | 0.00218 |
| -230.00 | 13.00 | 0.00224 | -230.00 | 11.00 | 0.00228 |
| -230.00 | 9.00 | 0.00230 | -230.00 | -9.00 | 0.00121 |
| -230.00 | -11.00 | 0.00117 | -230.00 | -13.00 | 0.00113 |
| -230.00 | -15.00 | 0.00110 | -230.00 | -17.00 | 0.00108 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -230.00 | -20.00 | 0.00104 | -230.00 | -25.00 | 0.00099 |
| -230.00 | -30.00 | 0.00094 | -230.00 | -40.00 | 0.00084 |
| -230.00 | -50.00 | 0.00074 | -230.00 | -60.00 | 0.00065 |
| -230.00 | -70.00 | 0.00057 | -230.00 | -80.00 | 0.00050 |
| -230.00 | -90.00 | 0.00045 | -230.00 | -100.00 | 0.00040 |
| -220.00 | 100.00 | 0.00034 | -220.00 | 90.00 | 0.00042 |
| -220.00 | 80.00 | 0.00051 | -220.00 | 70.00 | 0.00064 |
| -220.00 | 60.00 | 0.00080 | -220.00 | 50.00 | 0.00101 |
| -220.00 | 40.00 | 0.00130 | -220.00 | 30.00 | 0.00166 |
| -220.00 | 25.00 | 0.00189 | -220.00 | 20.00 | 0.00212 |
| -220.00 | 17.00 | 0.00226 | -220.00 | 15.00 | 0.00235 |
| -220.00 | 13.00 | 0.00244 | -220.00 | 11.00 | 0.00255 |
| -220.00 | 9.00 | 0.00266 | -220.00 | -9.00 | 0.00229 |
| -220.00 | -11.00 | 0.00201 | -220.00 | -13.00 | 0.00183 |
| -220.00 | -15.00 | 0.00172 | -220.00 | -17.00 | 0.00163 |
| -220.00 | -20.00 | 0.00153 | -220.00 | -25.00 | 0.00140 |
| -220.00 | -30.00 | 0.00130 | -220.00 | -40.00 | 0.00111 |
| -220.00 | -50.00 | 0.00095 | -220.00 | -60.00 | 0.00081 |
| -220.00 | -70.00 | 0.00070 | -220.00 | -80.00 | 0.00061 |
| -220.00 | -90.00 | 0.00054 | -220.00 | -100.00 | 0.00048 |
| -210.00 | 100.00 | 0.00031 | -210.00 | 90.00 | 0.00038 |
| -210.00 | 80.00 | 0.00048 | -210.00 | 70.00 | 0.00060 |
| -210.00 | 60.00 | 0.00076 | -210.00 | 50.00 | 0.00098 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -140.00 | 100.00 | 0.00014 | -140.00 | 90.00 | 0.00017 |
| -140.00 | 80.00 | 0.00020 | -140.00 | 70.00 | 0.00024 |
| -140.00 | 60.00 | 0.00030 | -140.00 | 50.00 | 0.00038 |
| -140.00 | 40.00 | 0.00051 | -140.00 | 30.00 | 0.00074 |
| -140.00 | 25.00 | 0.00093 | -140.00 | 20.00 | 0.00119 |
| -140.00 | 17.00 | 0.00141 | -140.00 | 15.00 | 0.00159 |
| -140.00 | 13.00 | 0.00181 | -140.00 | 11.00 | 0.00209 |
| -140.00 | 9.00 | 0.00247 | -140.00 | -9.00 | 0.00918 |
| -140.00 | -11.00 | 0.00885 | -140.00 | -13.00 | 0.00854 |
| -140.00 | -15.00 | 0.00829 | -140.00 | -17.00 | 0.00804 |
| -140.00 | -20.00 | 0.00766 | -140.00 | -25.00 | 0.00702 |
| -140.00 | -30.00 | 0.00640 | -140.00 | -40.00 | 0.00527 |
| -140.00 | -50.00 | 0.00429 | -140.00 | -60.00 | 0.00348 |
| -140.00 | -70.00 | 0.00282 | -140.00 | -80.00 | 0.00230 |
| -140.00 | -90.00 | 0.00189 | -140.00 | -100.00 | 0.00157 |
| -130.00 | 100.00 | 0.00013 | -130.00 | 90.00 | 0.00015 |
| -130.00 | 80.00 | 0.00018 | -130.00 | 70.00 | 0.00022 |
| -130.00 | 60.00 | 0.00027 | -130.00 | 50.00 | 0.00034 |
| -130.00 | 40.00 | 0.00047 | -130.00 | 30.00 | 0.00068 |
| -130.00 | 25.00 | 0.00084 | -130.00 | 20.00 | 0.00108 |
| -130.00 | 17.00 | 0.00127 | -130.00 | 15.00 | 0.00143 |
| -130.00 | 13.00 | 0.00162 | -130.00 | 11.00 | 0.00186 |
| -130.00 | 9.00 | 0.00216 | -130.00 | -9.00 | 0.00818 |
| -130.00 | -11.00 | 0.00816 | -130.00 | -13.00 | 0.00802 |
| -130.00 | -15.00 | 0.00784 | -130.00 | -17.00 | 0.00766 |
| -130.00 | -20.00 | 0.00736 | -130.00 | -25.00 | 0.00682 |
| -130.00 | -30.00 | 0.00627 | -130.00 | -40.00 | 0.00525 |
| -130.00 | -50.00 | 0.00434 | -130.00 | -60.00 | 0.00357 |
| -130.00 | -70.00 | 0.00294 | -130.00 | -80.00 | 0.00242 |
| -130.00 | -90.00 | 0.00201 | -130.00 | -100.00 | 0.00167 |
| -120.00 | 100.00 | 0.00012 | -120.00 | 90.00 | 0.00014 |
| -120.00 | 80.00 | 0.00017 | -120.00 | 70.00 | 0.00020 |
| -120.00 | 60.00 | 0.00025 | -120.00 | 50.00 | 0.00032 |
| -120.00 | 40.00 | 0.00044 | -120.00 | 30.00 | 0.00064 |
| -120.00 | 25.00 | 0.00079 | -120.00 | 20.00 | 0.00100 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08 *** Maximum train overlap at East/West Bound Direction ***
 10:54:17
 **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 **

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound
CONC

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| -120.00 | 17.00 | 0.00118 | -120.00 | 15.00 | 0.00132 |
| -120.00 | 13.00 | 0.00150 | -120.00 | 11.00 | 0.00171 |
| -120.00 | 9.00 | 0.00196 | -120.00 | -9.00 | 0.00565 |
| -120.00 | -11.00 | 0.00594 | -120.00 | -13.00 | 0.00614 |
| -120.00 | -15.00 | 0.00628 | -120.00 | -17.00 | 0.00633 |
| -120.00 | -20.00 | 0.00632 | -120.00 | -25.00 | 0.00611 |
| -120.00 | -30.00 | 0.00577 | -120.00 | -40.00 | 0.00500 |
| -120.00 | -50.00 | 0.00423 | -120.00 | -60.00 | 0.00355 |
| -120.00 | -70.00 | 0.00297 | -120.00 | -80.00 | 0.00248 |
| -120.00 | -90.00 | 0.00207 | -120.00 | -100.00 | 0.00175 |
| -110.00 | 100.00 | 0.00012 | -110.00 | 90.00 | 0.00014 |
| -110.00 | 80.00 | 0.00016 | -110.00 | 70.00 | 0.00019 |
| -110.00 | 60.00 | 0.00024 | -110.00 | 50.00 | 0.00030 |
| -110.00 | 40.00 | 0.00041 | -110.00 | 30.00 | 0.00059 |
| -110.00 | 25.00 | 0.00074 | -110.00 | 20.00 | 0.00093 |
| -110.00 | 17.00 | 0.00109 | -110.00 | 15.00 | 0.00121 |
| -110.00 | 13.00 | 0.00134 | -110.00 | 11.00 | 0.00150 |
| -110.00 | 9.00 | 0.00168 | -110.00 | -9.00 | 0.00392 |
| -110.00 | -11.00 | 0.00415 | -110.00 | -13.00 | 0.00436 |
| -110.00 | -15.00 | 0.00454 | -110.00 | -17.00 | 0.00469 |
| -110.00 | -20.00 | 0.00485 | -110.00 | -25.00 | 0.00495 |
| -110.00 | -30.00 | 0.00488 | -110.00 | -40.00 | 0.00449 |
| -110.00 | -50.00 | 0.00396 | -110.00 | -60.00 | 0.00341 |
| -110.00 | -70.00 | 0.00291 | -110.00 | -80.00 | 0.00248 |
| -110.00 | -90.00 | 0.00210 | -110.00 | -100.00 | 0.00179 |
| -100.00 | 100.00 | 0.00011 | -100.00 | 90.00 | 0.00013 |
| -100.00 | 80.00 | 0.00015 | -100.00 | 70.00 | 0.00018 |
| -100.00 | 60.00 | 0.00022 | -100.00 | 50.00 | 0.00029 |
| -100.00 | 40.00 | 0.00039 | -100.00 | 30.00 | 0.00056 |
| -100.00 | 25.00 | 0.00069 | -100.00 | 20.00 | 0.00085 |
| -100.00 | 17.00 | 0.00098 | -100.00 | 15.00 | 0.00107 |
| -100.00 | 13.00 | 0.00117 | -100.00 | 11.00 | 0.00128 |
| -100.00 | 9.00 | 0.00141 | -100.00 | -9.00 | 0.00285 |
| -100.00 | -11.00 | 0.00301 | -100.00 | -13.00 | 0.00317 |
| -100.00 | -15.00 | 0.00331 | -100.00 | -17.00 | 0.00344 |
| -100.00 | -20.00 | 0.00361 | -100.00 | -25.00 | 0.00381 |
| -100.00 | -30.00 | 0.00391 | -100.00 | -40.00 | 0.00383 |
| -100.00 | -50.00 | 0.00354 | -100.00 | -60.00 | 0.00316 |
| -100.00 | -70.00 | 0.00278 | -100.00 | -80.00 | 0.00241 |
| -100.00 | -90.00 | 0.00208 | -100.00 | -100.00 | 0.00179 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -90.00 | 100.00 | 0.00010 | -90.00 | 90.00 | 0.00012 |
| -90.00 | 80.00 | 0.00014 | -90.00 | 70.00 | 0.00017 |
| -90.00 | 60.00 | 0.00021 | -90.00 | 50.00 | 0.00027 |
| -90.00 | 40.00 | 0.00037 | -90.00 | 30.00 | 0.00053 |
| -90.00 | 25.00 | 0.00064 | -90.00 | 20.00 | 0.00077 |
| -90.00 | 17.00 | 0.00087 | -90.00 | 15.00 | 0.00094 |
| -90.00 | 13.00 | 0.00101 | -90.00 | 11.00 | 0.00109 |
| -90.00 | 9.00 | 0.00118 | -90.00 | -9.00 | 0.00216 |
| -90.00 | -11.00 | 0.00228 | -90.00 | -13.00 | 0.00239 |
| -90.00 | -15.00 | 0.00249 | -90.00 | -17.00 | 0.00260 |
| -90.00 | -20.00 | 0.00274 | -90.00 | -25.00 | 0.00293 |
| -90.00 | -30.00 | 0.00307 | -90.00 | -40.00 | 0.00316 |
| -90.00 | -50.00 | 0.00305 | -90.00 | -60.00 | 0.00283 |
| -90.00 | -70.00 | 0.00256 | -90.00 | -80.00 | 0.00228 |
| -90.00 | -90.00 | 0.00201 | -90.00 | -100.00 | 0.00177 |
| -80.00 | 100.00 | 0.00010 | -80.00 | 90.00 | 0.00011 |
| -80.00 | 80.00 | 0.00013 | -80.00 | 70.00 | 0.00016 |
| -80.00 | 60.00 | 0.00020 | -80.00 | 50.00 | 0.00026 |
| -80.00 | 40.00 | 0.00035 | -80.00 | 30.00 | 0.00049 |
| -80.00 | 25.00 | 0.00058 | -80.00 | 20.00 | 0.00069 |
| -80.00 | 17.00 | 0.00076 | -80.00 | 15.00 | 0.00081 |
| -80.00 | 13.00 | 0.00087 | -80.00 | 11.00 | 0.00093 |
| -80.00 | 9.00 | 0.00100 | -80.00 | -9.00 | 0.00170 |
| -80.00 | -11.00 | 0.00178 | -80.00 | -13.00 | 0.00186 |
| -80.00 | -15.00 | 0.00194 | -80.00 | -17.00 | 0.00201 |
| -80.00 | -20.00 | 0.00212 | -80.00 | -25.00 | 0.00229 |
| -80.00 | -30.00 | 0.00242 | -80.00 | -40.00 | 0.00257 |
| -80.00 | -50.00 | 0.00258 | -80.00 | -60.00 | 0.00248 |
| -80.00 | -70.00 | 0.00231 | -80.00 | -80.00 | 0.00211 |
| -80.00 | -90.00 | 0.00190 | -80.00 | -100.00 | 0.00170 |
| -70.00 | 100.00 | 0.00009 | -70.00 | 90.00 | 0.00011 |
| -70.00 | 80.00 | 0.00013 | -70.00 | 70.00 | 0.00015 |
| -70.00 | 60.00 | 0.00019 | -70.00 | 50.00 | 0.00025 |
| -70.00 | 40.00 | 0.00034 | -70.00 | 30.00 | 0.00045 |
| -70.00 | 25.00 | 0.00053 | -70.00 | 20.00 | 0.00061 |
| -70.00 | 17.00 | 0.00067 | -70.00 | 15.00 | 0.00071 |
| -70.00 | 13.00 | 0.00076 | -70.00 | 11.00 | 0.00080 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| -70.00 | 9.00 | 0.00085 | -70.00 | -9.00 | 0.00137 |
| -70.00 | -11.00 | 0.00143 | -70.00 | -13.00 | 0.00149 |
| -70.00 | -15.00 | 0.00154 | -70.00 | -17.00 | 0.00160 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -70.00 | -20.00 | 0.00169 | -70.00 | -25.00 | 0.00182 |
| -70.00 | -30.00 | 0.00194 | -70.00 | -40.00 | 0.00210 |
| -70.00 | -50.00 | 0.00216 | -70.00 | -60.00 | 0.00214 |
| -70.00 | -70.00 | 0.00205 | -70.00 | -80.00 | 0.00192 |
| -70.00 | -90.00 | 0.00177 | -70.00 | -100.00 | 0.00161 |
| -60.00 | 100.00 | 0.00009 | -60.00 | 90.00 | 0.00010 |
| -60.00 | 80.00 | 0.00012 | -60.00 | 70.00 | 0.00015 |
| -60.00 | 60.00 | 0.00019 | -60.00 | 50.00 | 0.00024 |
| -60.00 | 40.00 | 0.00032 | -60.00 | 30.00 | 0.00042 |
| -60.00 | 25.00 | 0.00048 | -60.00 | 20.00 | 0.00055 |
| -60.00 | 17.00 | 0.00059 | -60.00 | 15.00 | 0.00063 |
| -60.00 | 13.00 | 0.00066 | -60.00 | 11.00 | 0.00070 |
| -60.00 | 9.00 | 0.00074 | -60.00 | -9.00 | 0.00113 |
| -60.00 | -11.00 | 0.00117 | -60.00 | -13.00 | 0.00122 |
| -60.00 | -15.00 | 0.00126 | -60.00 | -17.00 | 0.00130 |
| -60.00 | -20.00 | 0.00137 | -60.00 | -25.00 | 0.00148 |
| -60.00 | -30.00 | 0.00157 | -60.00 | -40.00 | 0.00172 |
| -60.00 | -50.00 | 0.00181 | -60.00 | -60.00 | 0.00183 |
| -60.00 | -70.00 | 0.00180 | -60.00 | -80.00 | 0.00172 |
| -60.00 | -90.00 | 0.00161 | -60.00 | -100.00 | 0.00150 |
| -50.00 | 100.00 | 0.00008 | -50.00 | 90.00 | 0.00010 |
| -50.00 | 80.00 | 0.00012 | -50.00 | 70.00 | 0.00014 |
| -50.00 | 60.00 | 0.00018 | -50.00 | 50.00 | 0.00023 |
| -50.00 | 40.00 | 0.00030 | -50.00 | 30.00 | 0.00038 |
| -50.00 | 25.00 | 0.00043 | -50.00 | 20.00 | 0.00049 |
| -50.00 | 17.00 | 0.00053 | -50.00 | 15.00 | 0.00055 |
| -50.00 | 13.00 | 0.00058 | -50.00 | 11.00 | 0.00061 |
| -50.00 | 9.00 | 0.00064 | -50.00 | -9.00 | 0.00095 |
| -50.00 | -11.00 | 0.00098 | -50.00 | -13.00 | 0.00101 |
| -50.00 | -15.00 | 0.00105 | -50.00 | -17.00 | 0.00108 |
| -50.00 | -20.00 | 0.00113 | -50.00 | -25.00 | 0.00122 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -50.00 | -30.00 | 0.00130 | -50.00 | -40.00 | 0.00143 |
| -50.00 | -50.00 | 0.00152 | -50.00 | -60.00 | 0.00157 |
| -50.00 | -70.00 | 0.00157 | -50.00 | -80.00 | 0.00153 |
| -50.00 | -90.00 | 0.00146 | -50.00 | -100.00 | 0.00138 |
| -40.00 | 100.00 | 0.00008 | -40.00 | 90.00 | 0.00010 |
| -40.00 | 80.00 | 0.00011 | -40.00 | 70.00 | 0.00014 |
| -40.00 | 60.00 | 0.00018 | -40.00 | 50.00 | 0.00022 |
| -40.00 | 40.00 | 0.00028 | -40.00 | 30.00 | 0.00035 |
| -40.00 | 25.00 | 0.00039 | -40.00 | 20.00 | 0.00044 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -40.00 | 17.00 | 0.00047 | -40.00 | 15.00 | 0.00049 |
| -40.00 | 13.00 | 0.00051 | -40.00 | 11.00 | 0.00054 |
| -40.00 | 9.00 | 0.00056 | -40.00 | -9.00 | 0.00081 |
| -40.00 | -11.00 | 0.00083 | -40.00 | -13.00 | 0.00086 |
| -40.00 | -15.00 | 0.00089 | -40.00 | -17.00 | 0.00091 |
| -40.00 | -20.00 | 0.00095 | -40.00 | -25.00 | 0.00102 |
| -40.00 | -30.00 | 0.00109 | -40.00 | -40.00 | 0.00120 |
| -40.00 | -50.00 | 0.00129 | -40.00 | -60.00 | 0.00134 |
| -40.00 | -70.00 | 0.00137 | -40.00 | -80.00 | 0.00135 |
| -40.00 | -90.00 | 0.00132 | -40.00 | -100.00 | 0.00126 |
| -30.00 | 100.00 | 0.00008 | -30.00 | 90.00 | 0.00009 |
| -30.00 | 80.00 | 0.00011 | -30.00 | 70.00 | 0.00014 |
| -30.00 | 60.00 | 0.00017 | -30.00 | 50.00 | 0.00021 |
| -30.00 | 40.00 | 0.00026 | -30.00 | 30.00 | 0.00032 |
| -30.00 | 25.00 | 0.00036 | -30.00 | 20.00 | 0.00039 |
| -30.00 | 17.00 | 0.00042 | -30.00 | 15.00 | 0.00044 |
| -30.00 | 13.00 | 0.00046 | -30.00 | 11.00 | 0.00048 |
| -30.00 | 9.00 | 0.00050 | -30.00 | -9.00 | 0.00069 |
| -30.00 | -11.00 | 0.00072 | -30.00 | -13.00 | 0.00074 |
| -30.00 | -15.00 | 0.00076 | -30.00 | -17.00 | 0.00078 |
| -30.00 | -20.00 | 0.00081 | -30.00 | -25.00 | 0.00087 |
| -30.00 | -30.00 | 0.00092 | -30.00 | -40.00 | 0.00102 |
| -30.00 | -50.00 | 0.00110 | -30.00 | -60.00 | 0.00116 |
| -30.00 | -70.00 | 0.00119 | -30.00 | -80.00 | 0.00120 |
| -30.00 | -90.00 | 0.00118 | -30.00 | -100.00 | 0.00114 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -20.00 | 100.00 | 0.00008 | -20.00 | 90.00 | 0.00009 |
| -20.00 | 80.00 | 0.00011 | -20.00 | 70.00 | 0.00013 |
| -20.00 | 60.00 | 0.00016 | -20.00 | 50.00 | 0.00020 |
| -20.00 | 40.00 | 0.00024 | -20.00 | 30.00 | 0.00029 |
| -20.00 | 25.00 | 0.00032 | -20.00 | 20.00 | 0.00036 |
| -20.00 | 17.00 | 0.00038 | -20.00 | 15.00 | 0.00040 |
| -20.00 | 13.00 | 0.00041 | -20.00 | 11.00 | 0.00043 |
| -20.00 | 9.00 | 0.00044 | -20.00 | -9.00 | 0.00060 |
| -20.00 | -11.00 | 0.00062 | -20.00 | -13.00 | 0.00064 |
| -20.00 | -15.00 | 0.00066 | -20.00 | -17.00 | 0.00068 |
| -20.00 | -20.00 | 0.00070 | -20.00 | -25.00 | 0.00075 |
| -20.00 | -30.00 | 0.00079 | -20.00 | -40.00 | 0.00088 |
| -20.00 | -50.00 | 0.00095 | -20.00 | -60.00 | 0.00100 |
| -20.00 | -70.00 | 0.00104 | -20.00 | -80.00 | 0.00106 |
| -20.00 | -90.00 | 0.00105 | -20.00 | -100.00 | 0.00104 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -10.00 | 100.00 | 0.00008 | -10.00 | 90.00 | 0.00009 |
| -10.00 | 80.00 | 0.00011 | -10.00 | 70.00 | 0.00013 |
| -10.00 | 60.00 | 0.00016 | -10.00 | 50.00 | 0.00019 |
| -10.00 | 40.00 | 0.00023 | -10.00 | 30.00 | 0.00027 |
| -10.00 | 25.00 | 0.00030 | -10.00 | 20.00 | 0.00033 |
| -10.00 | 17.00 | 0.00034 | -10.00 | 15.00 | 0.00036 |
| -10.00 | 13.00 | 0.00037 | -10.00 | 11.00 | 0.00038 |
| -10.00 | 9.00 | 0.00040 | -10.00 | -9.00 | 0.00053 |
| -10.00 | -11.00 | 0.00055 | -10.00 | -13.00 | 0.00056 |
| -10.00 | -15.00 | 0.00058 | -10.00 | -17.00 | 0.00059 |
| -10.00 | -20.00 | 0.00061 | -10.00 | -25.00 | 0.00065 |
| -10.00 | -30.00 | 0.00069 | -10.00 | -40.00 | 0.00076 |
| -10.00 | -50.00 | 0.00082 | -10.00 | -60.00 | 0.00088 |
| -10.00 | -70.00 | 0.00091 | -10.00 | -80.00 | 0.00093 |
| -10.00 | -90.00 | 0.00094 | -10.00 | -100.00 | 0.00093 |
| 0.00 | 100.00 | 0.00007 | 0.00 | 90.00 | 0.00009 |
| 0.00 | 80.00 | 0.00010 | 0.00 | 70.00 | 0.00013 |
| 0.00 | 60.00 | 0.00015 | 0.00 | 50.00 | 0.00018 |
| 0.00 | 40.00 | 0.00021 | 0.00 | 30.00 | 0.00025 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 0.00 | 25.00 | 0.00027 | 0.00 | 20.00 | 0.00030 |
| 0.00 | 17.00 | 0.00031 | 0.00 | 15.00 | 0.00032 |
| 0.00 | 13.00 | 0.00034 | 0.00 | 11.00 | 0.00035 |
| 0.00 | 9.00 | 0.00036 | 0.00 | -9.00 | 0.00047 |
| 0.00 | -11.00 | 0.00048 | 0.00 | -13.00 | 0.00050 |
| 0.00 | -15.00 | 0.00051 | 0.00 | -17.00 | 0.00052 |
| 0.00 | -20.00 | 0.00054 | 0.00 | -25.00 | 0.00057 |
| 0.00 | -30.00 | 0.00060 | 0.00 | -40.00 | 0.00066 |
| 0.00 | -50.00 | 0.00072 | 0.00 | -60.00 | 0.00077 |
| 0.00 | -70.00 | 0.00080 | 0.00 | -80.00 | 0.00083 |
| 0.00 | -90.00 | 0.00084 | 0.00 | -100.00 | 0.00084 |
| 10.00 | 100.00 | 0.00007 | 10.00 | 90.00 | 0.00009 |
| 10.00 | 80.00 | 0.00010 | 10.00 | 70.00 | 0.00012 |
| 10.00 | 60.00 | 0.00014 | 10.00 | 50.00 | 0.00017 |
| 10.00 | 40.00 | 0.00020 | 10.00 | 30.00 | 0.00023 |
| 10.00 | 25.00 | 0.00025 | 10.00 | 20.00 | 0.00027 |
| 10.00 | 17.00 | 0.00029 | 10.00 | 15.00 | 0.00030 |
| 10.00 | 13.00 | 0.00031 | 10.00 | 11.00 | 0.00032 |
| 10.00 | 9.00 | 0.00033 | 10.00 | -9.00 | 0.00042 |
| 10.00 | -11.00 | 0.00043 | 10.00 | -13.00 | 0.00044 |
| 10.00 | -15.00 | 0.00045 | 10.00 | -17.00 | 0.00046 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 10.00 | -20.00 | 0.00048 | 10.00 | -25.00 | 0.00050 |
| 10.00 | -30.00 | 0.00053 | 10.00 | -40.00 | 0.00059 |
| 10.00 | -50.00 | 0.00064 | 10.00 | -60.00 | 0.00068 |
| 10.00 | -70.00 | 0.00071 | 10.00 | -80.00 | 0.00074 |
| 10.00 | -90.00 | 0.00075 | 10.00 | -100.00 | 0.00076 |
| 20.00 | 100.00 | 0.00007 | 20.00 | 90.00 | 0.00008 |
| 20.00 | 80.00 | 0.00010 | 20.00 | 70.00 | 0.00012 |
| 20.00 | 60.00 | 0.00014 | 20.00 | 50.00 | 0.00016 |
| 20.00 | 40.00 | 0.00018 | 20.00 | 30.00 | 0.00021 |
| 20.00 | 25.00 | 0.00023 | 20.00 | 20.00 | 0.00025 |
| 20.00 | 17.00 | 0.00026 | 20.00 | 15.00 | 0.00027 |
| 20.00 | 13.00 | 0.00028 | 20.00 | 11.00 | 0.00029 |
| 20.00 | 9.00 | 0.00030 | 20.00 | -9.00 | 0.00038 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 20.00 | -11.00 | 0.00039 | 20.00 | -13.00 | 0.00040 |
| 20.00 | -15.00 | 0.00041 | 20.00 | -17.00 | 0.00041 |
| 20.00 | -20.00 | 0.00043 | 20.00 | -25.00 | 0.00045 |
| 20.00 | -30.00 | 0.00047 | 20.00 | -40.00 | 0.00052 |
| 20.00 | -50.00 | 0.00056 | 20.00 | -60.00 | 0.00060 |
| 20.00 | -70.00 | 0.00063 | 20.00 | -80.00 | 0.00066 |
| 20.00 | -90.00 | 0.00068 | 20.00 | -100.00 | 0.00069 |
| 30.00 | 100.00 | 0.00007 | 30.00 | 90.00 | 0.00008 |
| 30.00 | 80.00 | 0.00010 | 30.00 | 70.00 | 0.00011 |
| 30.00 | 60.00 | 0.00013 | 30.00 | 50.00 | 0.00015 |
| 30.00 | 40.00 | 0.00017 | 30.00 | 30.00 | 0.00020 |
| 30.00 | 25.00 | 0.00021 | 30.00 | 20.00 | 0.00023 |
| 30.00 | 17.00 | 0.00024 | 30.00 | 15.00 | 0.00025 |
| 30.00 | 13.00 | 0.00026 | 30.00 | 11.00 | 0.00026 |
| 30.00 | 9.00 | 0.00027 | 30.00 | -9.00 | 0.00034 |
| 30.00 | -11.00 | 0.00035 | 30.00 | -13.00 | 0.00036 |
| 30.00 | -15.00 | 0.00037 | 30.00 | -17.00 | 0.00037 |
| 30.00 | -20.00 | 0.00038 | 30.00 | -25.00 | 0.00040 |
| 30.00 | -30.00 | 0.00042 | 30.00 | -40.00 | 0.00046 |
| 30.00 | -50.00 | 0.00050 | 30.00 | -60.00 | 0.00054 |
| 30.00 | -70.00 | 0.00057 | 30.00 | -80.00 | 0.00059 |
| 30.00 | -90.00 | 0.00061 | 30.00 | -100.00 | 0.00062 |
| 40.00 | 100.00 | 0.00007 | 40.00 | 90.00 | 0.00008 |
| 40.00 | 80.00 | 0.00009 | 40.00 | 70.00 | 0.00011 |
| 40.00 | 60.00 | 0.00012 | 40.00 | 50.00 | 0.00014 |
| 40.00 | 40.00 | 0.00016 | 40.00 | 30.00 | 0.00019 |
| 40.00 | 25.00 | 0.00020 | 40.00 | 20.00 | 0.00021 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.00 | 17.00 | 0.00022 | 40.00 | 15.00 | 0.00023 |
| 40.00 | 13.00 | 0.00024 | 40.00 | 11.00 | 0.00024 |
| 40.00 | 9.00 | 0.00025 | 40.00 | -9.00 | 0.00031 |
| 40.00 | -11.00 | 0.00032 | 40.00 | -13.00 | 0.00032 |
| 40.00 | -15.00 | 0.00033 | 40.00 | -17.00 | 0.00034 |
| 40.00 | -20.00 | 0.00035 | 40.00 | -25.00 | 0.00036 |
| 40.00 | -30.00 | 0.00038 | 40.00 | -40.00 | 0.00042 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 40.00 | -50.00 | 0.00045 | 40.00 | -60.00 | 0.00048 |
| 40.00 | -70.00 | 0.00051 | 40.00 | -80.00 | 0.00053 |
| 40.00 | -90.00 | 0.00055 | 40.00 | -100.00 | 0.00056 |
| 50.00 | 100.00 | 0.00007 | 50.00 | 90.00 | 0.00008 |
| 50.00 | 80.00 | 0.00009 | 50.00 | 70.00 | 0.00010 |
| 50.00 | 60.00 | 0.00012 | 50.00 | 50.00 | 0.00013 |
| 50.00 | 40.00 | 0.00015 | 50.00 | 30.00 | 0.00017 |
| 50.00 | 25.00 | 0.00019 | 50.00 | 20.00 | 0.00020 |
| 50.00 | 17.00 | 0.00021 | 50.00 | 15.00 | 0.00021 |
| 50.00 | 13.00 | 0.00022 | 50.00 | 11.00 | 0.00022 |
| 50.00 | 9.00 | 0.00023 | 50.00 | -9.00 | 0.00028 |
| 50.00 | -11.00 | 0.00029 | 50.00 | -13.00 | 0.00030 |
| 50.00 | -15.00 | 0.00030 | 50.00 | -17.00 | 0.00031 |
| 50.00 | -20.00 | 0.00032 | 50.00 | -25.00 | 0.00033 |
| 50.00 | -30.00 | 0.00035 | 50.00 | -40.00 | 0.00038 |
| 50.00 | -50.00 | 0.00041 | 50.00 | -60.00 | 0.00043 |
| 50.00 | -70.00 | 0.00046 | 50.00 | -80.00 | 0.00048 |
| 50.00 | -90.00 | 0.00050 | 50.00 | -100.00 | 0.00051 |
| 60.00 | 100.00 | 0.00007 | 60.00 | 90.00 | 0.00008 |
| 60.00 | 80.00 | 0.00009 | 60.00 | 70.00 | 0.00010 |
| 60.00 | 60.00 | 0.00011 | 60.00 | 50.00 | 0.00013 |
| 60.00 | 40.00 | 0.00014 | 60.00 | 30.00 | 0.00016 |
| 60.00 | 25.00 | 0.00017 | 60.00 | 20.00 | 0.00018 |
| 60.00 | 17.00 | 0.00019 | 60.00 | 15.00 | 0.00020 |
| 60.00 | 13.00 | 0.00020 | 60.00 | 11.00 | 0.00021 |
| 60.00 | 9.00 | 0.00021 | 60.00 | -9.00 | 0.00026 |
| 60.00 | -11.00 | 0.00027 | 60.00 | -13.00 | 0.00027 |
| 60.00 | -15.00 | 0.00028 | 60.00 | -17.00 | 0.00028 |
| 60.00 | -20.00 | 0.00029 | 60.00 | -25.00 | 0.00030 |
| 60.00 | -30.00 | 0.00031 | 60.00 | -40.00 | 0.00034 |
| 60.00 | -50.00 | 0.00037 | 60.00 | -60.00 | 0.00039 |
| 60.00 | -70.00 | 0.00042 | 60.00 | -80.00 | 0.00044 |
| 60.00 | -90.00 | 0.00045 | 60.00 | -100.00 | 0.00047 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 70.00 | 100.00 | 0.00006 | 70.00 | 90.00 | 0.00007 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 70.00 | 80.00 | 0.00008 | 70.00 | 70.00 | 0.00009 |
| 70.00 | 60.00 | 0.00011 | 70.00 | 50.00 | 0.00012 |
| 70.00 | 40.00 | 0.00013 | 70.00 | 30.00 | 0.00015 |
| 70.00 | 25.00 | 0.00016 | 70.00 | 20.00 | 0.00017 |
| 70.00 | 17.00 | 0.00018 | 70.00 | 15.00 | 0.00018 |
| 70.00 | 13.00 | 0.00019 | 70.00 | 11.00 | 0.00019 |
| 70.00 | 9.00 | 0.00020 | 70.00 | -9.00 | 0.00024 |
| 70.00 | -11.00 | 0.00024 | 70.00 | -13.00 | 0.00025 |
| 70.00 | -15.00 | 0.00025 | 70.00 | -17.00 | 0.00026 |
| 70.00 | -20.00 | 0.00026 | 70.00 | -25.00 | 0.00028 |
| 70.00 | -30.00 | 0.00029 | 70.00 | -40.00 | 0.00031 |
| 70.00 | -50.00 | 0.00033 | 70.00 | -60.00 | 0.00036 |
| 70.00 | -70.00 | 0.00038 | 70.00 | -80.00 | 0.00040 |
| 70.00 | -90.00 | 0.00041 | 70.00 | -100.00 | 0.00043 |
| 80.00 | 100.00 | 0.00006 | 80.00 | 90.00 | 0.00007 |
| 80.00 | 80.00 | 0.00008 | 80.00 | 70.00 | 0.00009 |
| 80.00 | 60.00 | 0.00010 | 80.00 | 50.00 | 0.00011 |
| 80.00 | 40.00 | 0.00013 | 80.00 | 30.00 | 0.00014 |
| 80.00 | 25.00 | 0.00015 | 80.00 | 20.00 | 0.00016 |
| 80.00 | 17.00 | 0.00017 | 80.00 | 15.00 | 0.00017 |
| 80.00 | 13.00 | 0.00018 | 80.00 | 11.00 | 0.00018 |
| 80.00 | 9.00 | 0.00018 | 80.00 | -9.00 | 0.00022 |
| 80.00 | -11.00 | 0.00022 | 80.00 | -13.00 | 0.00023 |
| 80.00 | -15.00 | 0.00023 | 80.00 | -17.00 | 0.00024 |
| 80.00 | -20.00 | 0.00024 | 80.00 | -25.00 | 0.00025 |
| 80.00 | -30.00 | 0.00026 | 80.00 | -40.00 | 0.00028 |
| 80.00 | -50.00 | 0.00031 | 80.00 | -60.00 | 0.00033 |
| 80.00 | -70.00 | 0.00035 | 80.00 | -80.00 | 0.00036 |
| 80.00 | -90.00 | 0.00038 | 80.00 | -100.00 | 0.00039 |
| 90.00 | 100.00 | 0.00006 | 90.00 | 90.00 | 0.00007 |
| 90.00 | 80.00 | 0.00008 | 90.00 | 70.00 | 0.00009 |
| 90.00 | 60.00 | 0.00010 | 90.00 | 50.00 | 0.00011 |
| 90.00 | 40.00 | 0.00012 | 90.00 | 30.00 | 0.00013 |
| 90.00 | 25.00 | 0.00014 | 90.00 | 20.00 | 0.00015 |
| 90.00 | 17.00 | 0.00016 | 90.00 | 15.00 | 0.00016 |
| 90.00 | 13.00 | 0.00016 | 90.00 | 11.00 | 0.00017 |
| 90.00 | 9.00 | 0.00017 | 90.00 | -9.00 | 0.00020 |
| 90.00 | -11.00 | 0.00021 | 90.00 | -13.00 | 0.00021 |
| 90.00 | -15.00 | 0.00022 | 90.00 | -17.00 | 0.00022 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 |
| 90.00 | -20.00 | 0.00022 | 90.00 | -25.00 | 0.00023 |
| 90.00 | -30.00 | 0.00024 | 90.00 | -40.00 | 0.00026 |
| 90.00 | -50.00 | 0.00028 | 90.00 | -60.00 | 0.00030 |
| 90.00 | -70.00 | 0.00032 | 90.00 | -80.00 | 0.00033 |
| 90.00 | -90.00 | 0.00035 | 90.00 | -100.00 | 0.00036 |
| 100.00 | 100.00 | 0.00006 | 100.00 | 90.00 | 0.00007 |
| 100.00 | 80.00 | 0.00007 | 100.00 | 70.00 | 0.00008 |
| 100.00 | 60.00 | 0.00009 | 100.00 | 50.00 | 0.00010 |
| 100.00 | 40.00 | 0.00011 | 100.00 | 30.00 | 0.00013 |
| 100.00 | 25.00 | 0.00013 | 100.00 | 20.00 | 0.00014 |
| 100.00 | 17.00 | 0.00015 | 100.00 | 15.00 | 0.00015 |
| 100.00 | 13.00 | 0.00015 | 100.00 | 11.00 | 0.00016 |
| 100.00 | 9.00 | 0.00016 | 100.00 | -9.00 | 0.00019 |
| 100.00 | -11.00 | 0.00019 | 100.00 | -13.00 | 0.00020 |
| 100.00 | -15.00 | 0.00020 | 100.00 | -17.00 | 0.00020 |
| 100.00 | -20.00 | 0.00021 | 100.00 | -25.00 | 0.00022 |
| 100.00 | -30.00 | 0.00022 | 100.00 | -40.00 | 0.00024 |
| 100.00 | -50.00 | 0.00026 | 100.00 | -60.00 | 0.00027 |
| 100.00 | -70.00 | 0.00029 | 100.00 | -80.00 | 0.00031 |
| 100.00 | -90.00 | 0.00032 | 100.00 | -100.00 | 0.00033 |
| 110.00 | 100.00 | 0.00006 | 110.00 | 90.00 | 0.00006 |
| 110.00 | 80.00 | 0.00007 | 110.00 | 70.00 | 0.00008 |
| 110.00 | 60.00 | 0.00009 | 110.00 | 50.00 | 0.00010 |
| 110.00 | 40.00 | 0.00011 | 110.00 | 30.00 | 0.00012 |
| 110.00 | 25.00 | 0.00013 | 110.00 | 20.00 | 0.00013 |
| 110.00 | 17.00 | 0.00014 | 110.00 | 15.00 | 0.00014 |
| 110.00 | 13.00 | 0.00014 | 110.00 | 11.00 | 0.00015 |
| 110.00 | 9.00 | 0.00015 | 110.00 | -9.00 | 0.00018 |
| 110.00 | -11.00 | 0.00018 | 110.00 | -13.00 | 0.00018 |
| 110.00 | -15.00 | 0.00019 | 110.00 | -17.00 | 0.00019 |
| 110.00 | -20.00 | 0.00019 | 110.00 | -25.00 | 0.00020 |
| 110.00 | -30.00 | 0.00021 | 110.00 | -40.00 | 0.00022 |
| 110.00 | -50.00 | 0.00024 | 110.00 | -60.00 | 0.00025 |
| 110.00 | -70.00 | 0.00027 | 110.00 | -80.00 | 0.00028 |
| 110.00 | -90.00 | 0.00030 | 110.00 | -100.00 | 0.00031 |
| 120.00 | 100.00 | 0.00006 | 120.00 | 90.00 | 0.00006 |
| 120.00 | 80.00 | 0.00007 | 120.00 | 70.00 | 0.00008 |
| 120.00 | 60.00 | 0.00008 | 120.00 | 50.00 | 0.00009 |
| 120.00 | 40.00 | 0.00010 | 120.00 | 30.00 | 0.00011 |

120.00 25.00 0.00012 120.00 20.00 0.00013

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 120.00 | 17.00 | 0.00013 | 120.00 | 15.00 | 0.00013 |
| 120.00 | 13.00 | 0.00014 | 120.00 | 11.00 | 0.00014 |
| 120.00 | 9.00 | 0.00014 | 120.00 | -9.00 | 0.00017 |
| 120.00 | -11.00 | 0.00017 | 120.00 | -13.00 | 0.00017 |
| 120.00 | -15.00 | 0.00017 | 120.00 | -17.00 | 0.00018 |
| 120.00 | -20.00 | 0.00018 | 120.00 | -25.00 | 0.00019 |
| 120.00 | -30.00 | 0.00019 | 120.00 | -40.00 | 0.00021 |
| 120.00 | -50.00 | 0.00022 | 120.00 | -60.00 | 0.00023 |
| 120.00 | -70.00 | 0.00025 | 120.00 | -80.00 | 0.00026 |
| 120.00 | -90.00 | 0.00027 | 120.00 | -100.00 | 0.00028 |
| 130.00 | 100.00 | 0.00005 | 130.00 | 90.00 | 0.00006 |
| 130.00 | 80.00 | 0.00007 | 130.00 | 70.00 | 0.00007 |
| 130.00 | 60.00 | 0.00008 | 130.00 | 50.00 | 0.00009 |
| 130.00 | 40.00 | 0.00010 | 130.00 | 30.00 | 0.00011 |
| 130.00 | 25.00 | 0.00011 | 130.00 | 20.00 | 0.00012 |
| 130.00 | 17.00 | 0.00012 | 130.00 | 15.00 | 0.00013 |
| 130.00 | 13.00 | 0.00013 | 130.00 | 11.00 | 0.00013 |
| 130.00 | 9.00 | 0.00013 | 130.00 | -9.00 | 0.00015 |
| 130.00 | -11.00 | 0.00016 | 130.00 | -13.00 | 0.00016 |
| 130.00 | -15.00 | 0.00016 | 130.00 | -17.00 | 0.00016 |
| 130.00 | -20.00 | 0.00017 | 130.00 | -25.00 | 0.00017 |
| 130.00 | -30.00 | 0.00018 | 130.00 | -40.00 | 0.00019 |
| 130.00 | -50.00 | 0.00020 | 130.00 | -60.00 | 0.00022 |
| 130.00 | -70.00 | 0.00023 | 130.00 | -80.00 | 0.00024 |
| 130.00 | -90.00 | 0.00025 | 130.00 | -100.00 | 0.00026 |
| 140.00 | 100.00 | 0.00005 | 140.00 | 90.00 | 0.00006 |
| 140.00 | 80.00 | 0.00006 | 140.00 | 70.00 | 0.00007 |
| 140.00 | 60.00 | 0.00008 | 140.00 | 50.00 | 0.00008 |
| 140.00 | 40.00 | 0.00009 | 140.00 | 30.00 | 0.00010 |
| 140.00 | 25.00 | 0.00011 | 140.00 | 20.00 | 0.00011 |
| 140.00 | 17.00 | 0.00012 | 140.00 | 15.00 | 0.00012 |
| 140.00 | 13.00 | 0.00012 | 140.00 | 11.00 | 0.00012 |
| 140.00 | 9.00 | 0.00013 | 140.00 | -9.00 | 0.00015 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 140.00 | -11.00 | 0.00015 | 140.00 | -13.00 | 0.00015 |
| 140.00 | -15.00 | 0.00015 | 140.00 | -17.00 | 0.00015 |
| 140.00 | -20.00 | 0.00016 | 140.00 | -25.00 | 0.00016 |
| 140.00 | -30.00 | 0.00017 | 140.00 | -40.00 | 0.00018 |
| 140.00 | -50.00 | 0.00019 | 140.00 | -60.00 | 0.00020 |
| 140.00 | -70.00 | 0.00021 | 140.00 | -80.00 | 0.00023 |
| 140.00 | -90.00 | 0.00024 | 140.00 | -100.00 | 0.00025 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**MODELOPTs:
 PAGE 118

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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 150.00 | 100.00 | 0.00005 | 150.00 | 90.00 | 0.00006 |
| 150.00 | 80.00 | 0.00006 | 150.00 | 70.00 | 0.00007 |
| 150.00 | 60.00 | 0.00007 | 150.00 | 50.00 | 0.00008 |
| 150.00 | 40.00 | 0.00009 | 150.00 | 30.00 | 0.00010 |
| 150.00 | 25.00 | 0.00010 | 150.00 | 20.00 | 0.00011 |
| 150.00 | 17.00 | 0.00011 | 150.00 | 15.00 | 0.00011 |
| 150.00 | 13.00 | 0.00011 | 150.00 | 11.00 | 0.00012 |
| 150.00 | 9.00 | 0.00012 | 150.00 | -9.00 | 0.00014 |
| 150.00 | -11.00 | 0.00014 | 150.00 | -13.00 | 0.00014 |
| 150.00 | -15.00 | 0.00014 | 150.00 | -17.00 | 0.00014 |
| 150.00 | -20.00 | 0.00015 | 150.00 | -25.00 | 0.00015 |
| 150.00 | -30.00 | 0.00016 | 150.00 | -40.00 | 0.00017 |
| 150.00 | -50.00 | 0.00018 | 150.00 | -60.00 | 0.00019 |
| 150.00 | -70.00 | 0.00020 | 150.00 | -80.00 | 0.00021 |
| 150.00 | -90.00 | 0.00022 | 150.00 | -100.00 | 0.00023 |
| 160.00 | 100.00 | 0.00005 | 160.00 | 90.00 | 0.00005 |
| 160.00 | 80.00 | 0.00006 | 160.00 | 70.00 | 0.00006 |
| 160.00 | 60.00 | 0.00007 | 160.00 | 50.00 | 0.00008 |
| 160.00 | 40.00 | 0.00008 | 160.00 | 30.00 | 0.00009 |
| 160.00 | 25.00 | 0.00010 | 160.00 | 20.00 | 0.00010 |
| 160.00 | 17.00 | 0.00010 | 160.00 | 15.00 | 0.00011 |
| 160.00 | 13.00 | 0.00011 | 160.00 | 11.00 | 0.00011 |
| 160.00 | 9.00 | 0.00011 | 160.00 | -9.00 | 0.00013 |
| 160.00 | -11.00 | 0.00013 | 160.00 | -13.00 | 0.00013 |
| 160.00 | -15.00 | 0.00013 | 160.00 | -17.00 | 0.00014 |
| 160.00 | -20.00 | 0.00014 | 160.00 | -25.00 | 0.00014 |
| 160.00 | -30.00 | 0.00015 | 160.00 | -40.00 | 0.00016 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 160.00 | -50.00 | 0.00017 | 160.00 | -60.00 | 0.00018 |
| 160.00 | -70.00 | 0.00019 | 160.00 | -80.00 | 0.00020 |
| 160.00 | -90.00 | 0.00021 | 160.00 | -100.00 | 0.00021 |
| 170.00 | 100.00 | 0.00005 | 170.00 | 90.00 | 0.00005 |
| 170.00 | 80.00 | 0.00006 | 170.00 | 70.00 | 0.00006 |
| 170.00 | 60.00 | 0.00007 | 170.00 | 50.00 | 0.00007 |
| 170.00 | 40.00 | 0.00008 | 170.00 | 30.00 | 0.00009 |
| 170.00 | 25.00 | 0.00009 | 170.00 | 20.00 | 0.00010 |
| 170.00 | 17.00 | 0.00010 | 170.00 | 15.00 | 0.00010 |
| 170.00 | 13.00 | 0.00010 | 170.00 | 11.00 | 0.00010 |
| 170.00 | 9.00 | 0.00011 | 170.00 | -9.00 | 0.00012 |
| 170.00 | -11.00 | 0.00012 | 170.00 | -13.00 | 0.00013 |
| 170.00 | -15.00 | 0.00013 | 170.00 | -17.00 | 0.00013 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 170.00 | -20.00 | 0.00013 | 170.00 | -25.00 | 0.00014 |
| 170.00 | -30.00 | 0.00014 | 170.00 | -40.00 | 0.00015 |
| 170.00 | -50.00 | 0.00016 | 170.00 | -60.00 | 0.00017 |
| 170.00 | -70.00 | 0.00017 | 170.00 | -80.00 | 0.00018 |
| 170.00 | -90.00 | 0.00019 | 170.00 | -100.00 | 0.00020 |
| 180.00 | 100.00 | 0.00005 | 180.00 | 90.00 | 0.00005 |
| 180.00 | 80.00 | 0.00006 | 180.00 | 70.00 | 0.00006 |
| 180.00 | 60.00 | 0.00006 | 180.00 | 50.00 | 0.00007 |
| 180.00 | 40.00 | 0.00008 | 180.00 | 30.00 | 0.00008 |
| 180.00 | 25.00 | 0.00009 | 180.00 | 20.00 | 0.00009 |
| 180.00 | 17.00 | 0.00009 | 180.00 | 15.00 | 0.00010 |
| 180.00 | 13.00 | 0.00010 | 180.00 | 11.00 | 0.00010 |
| 180.00 | 9.00 | 0.00010 | 180.00 | -9.00 | 0.00012 |
| 180.00 | -11.00 | 0.00012 | 180.00 | -13.00 | 0.00012 |
| 180.00 | -15.00 | 0.00012 | 180.00 | -17.00 | 0.00012 |
| 180.00 | -20.00 | 0.00012 | 180.00 | -25.00 | 0.00013 |
| 180.00 | -30.00 | 0.00013 | 180.00 | -40.00 | 0.00014 |
| 180.00 | -50.00 | 0.00015 | 180.00 | -60.00 | 0.00016 |
| 180.00 | -70.00 | 0.00016 | 180.00 | -80.00 | 0.00017 |
| 180.00 | -90.00 | 0.00018 | 180.00 | -100.00 | 0.00019 |
| 190.00 | 100.00 | 0.00005 | 190.00 | 90.00 | 0.00005 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 190.00 | 80.00 | 0.00005 | 190.00 | 70.00 | 0.00006 |
| 190.00 | 60.00 | 0.00006 | 190.00 | 50.00 | 0.00007 |
| 190.00 | 40.00 | 0.00007 | 190.00 | 30.00 | 0.00008 |
| 190.00 | 25.00 | 0.00008 | 190.00 | 20.00 | 0.00009 |
| 190.00 | 17.00 | 0.00009 | 190.00 | 15.00 | 0.00009 |
| 190.00 | 13.00 | 0.00009 | 190.00 | 11.00 | 0.00009 |
| 190.00 | 9.00 | 0.00010 | 190.00 | -9.00 | 0.00011 |
| 190.00 | -11.00 | 0.00011 | 190.00 | -13.00 | 0.00011 |
| 190.00 | -15.00 | 0.00011 | 190.00 | -17.00 | 0.00011 |
| 190.00 | -20.00 | 0.00012 | 190.00 | -25.00 | 0.00012 |
| 190.00 | -30.00 | 0.00012 | 190.00 | -40.00 | 0.00013 |
| 190.00 | -50.00 | 0.00014 | 190.00 | -60.00 | 0.00015 |
| 190.00 | -70.00 | 0.00015 | 190.00 | -80.00 | 0.00016 |
| 190.00 | -90.00 | 0.00017 | 190.00 | -100.00 | 0.00018 |
| 200.00 | 100.00 | 0.00004 | 200.00 | 90.00 | 0.00005 |
| 200.00 | 80.00 | 0.00005 | 200.00 | 70.00 | 0.00006 |
| 200.00 | 60.00 | 0.00006 | 200.00 | 50.00 | 0.00007 |
| 200.00 | 40.00 | 0.00007 | 200.00 | 30.00 | 0.00008 |
| 200.00 | 25.00 | 0.00008 | 200.00 | 20.00 | 0.00008 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 200.00 | 17.00 | 0.00009 | 200.00 | 15.00 | 0.00009 |
| 200.00 | 13.00 | 0.00009 | 200.00 | 11.00 | 0.00009 |
| 200.00 | 9.00 | 0.00009 | 200.00 | -9.00 | 0.00010 |
| 200.00 | -11.00 | 0.00010 | 200.00 | -13.00 | 0.00011 |
| 200.00 | -15.00 | 0.00011 | 200.00 | -17.00 | 0.00011 |
| 200.00 | -20.00 | 0.00011 | 200.00 | -25.00 | 0.00011 |
| 200.00 | -30.00 | 0.00012 | 200.00 | -40.00 | 0.00012 |
| 200.00 | -50.00 | 0.00013 | 200.00 | -60.00 | 0.00014 |
| 200.00 | -70.00 | 0.00014 | 200.00 | -80.00 | 0.00015 |
| 200.00 | -90.00 | 0.00016 | 200.00 | -100.00 | 0.00017 |
| 210.00 | 100.00 | 0.00004 | 210.00 | 90.00 | 0.00005 |
| 210.00 | 80.00 | 0.00005 | 210.00 | 70.00 | 0.00005 |
| 210.00 | 60.00 | 0.00006 | 210.00 | 50.00 | 0.00006 |
| 210.00 | 40.00 | 0.00007 | 210.00 | 30.00 | 0.00007 |
| 210.00 | 25.00 | 0.00008 | 210.00 | 20.00 | 0.00008 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 210.00 | 17.00 | 0.00008 | 210.00 | 15.00 | 0.00008 |
| 210.00 | 13.00 | 0.00008 | 210.00 | 11.00 | 0.00009 |
| 210.00 | 9.00 | 0.00009 | 210.00 | -9.00 | 0.00010 |
| 210.00 | -11.00 | 0.00010 | 210.00 | -13.00 | 0.00010 |
| 210.00 | -15.00 | 0.00010 | 210.00 | -17.00 | 0.00010 |
| 210.00 | -20.00 | 0.00010 | 210.00 | -25.00 | 0.00011 |
| 210.00 | -30.00 | 0.00011 | 210.00 | -40.00 | 0.00012 |
| 210.00 | -50.00 | 0.00012 | 210.00 | -60.00 | 0.00013 |
| 210.00 | -70.00 | 0.00014 | 210.00 | -80.00 | 0.00014 |
| 210.00 | -90.00 | 0.00015 | 210.00 | -100.00 | 0.00016 |
| 220.00 | 100.00 | 0.00004 | 220.00 | 90.00 | 0.00004 |
| 220.00 | 80.00 | 0.00005 | 220.00 | 70.00 | 0.00005 |
| 220.00 | 60.00 | 0.00006 | 220.00 | 50.00 | 0.00006 |
| 220.00 | 40.00 | 0.00007 | 220.00 | 30.00 | 0.00007 |
| 220.00 | 25.00 | 0.00007 | 220.00 | 20.00 | 0.00008 |
| 220.00 | 17.00 | 0.00008 | 220.00 | 15.00 | 0.00008 |
| 220.00 | 13.00 | 0.00008 | 220.00 | 11.00 | 0.00008 |
| 220.00 | 9.00 | 0.00008 | 220.00 | -9.00 | 0.00009 |
| 220.00 | -11.00 | 0.00009 | 220.00 | -13.00 | 0.00010 |
| 220.00 | -15.00 | 0.00010 | 220.00 | -17.00 | 0.00010 |
| 220.00 | -20.00 | 0.00010 | 220.00 | -25.00 | 0.00010 |
| 220.00 | -30.00 | 0.00011 | 220.00 | -40.00 | 0.00011 |
| 220.00 | -50.00 | 0.00012 | 220.00 | -60.00 | 0.00012 |
| 220.00 | -70.00 | 0.00013 | 220.00 | -80.00 | 0.00013 |
| 220.00 | -90.00 | 0.00014 | 220.00 | -100.00 | 0.00015 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 230.00 | 100.00 | 0.00004 | 230.00 | 90.00 | 0.00004 |
| 230.00 | 80.00 | 0.00005 | 230.00 | 70.00 | 0.00005 |
| 230.00 | 60.00 | 0.00005 | 230.00 | 50.00 | 0.00006 |
| 230.00 | 40.00 | 0.00006 | 230.00 | 30.00 | 0.00007 |
| 230.00 | 25.00 | 0.00007 | 230.00 | 20.00 | 0.00007 |
| 230.00 | 17.00 | 0.00007 | 230.00 | 15.00 | 0.00008 |
| 230.00 | 13.00 | 0.00008 | 230.00 | 11.00 | 0.00008 |
| 230.00 | 9.00 | 0.00008 | 230.00 | -9.00 | 0.00009 |
| 230.00 | -11.00 | 0.00009 | 230.00 | -13.00 | 0.00009 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 230.00 | -15.00 | 0.00009 | 230.00 | -17.00 | 0.00009 |
| 230.00 | -20.00 | 0.00009 | 230.00 | -25.00 | 0.00010 |
| 230.00 | -30.00 | 0.00010 | 230.00 | -40.00 | 0.00011 |
| 230.00 | -50.00 | 0.00011 | 230.00 | -60.00 | 0.00012 |
| 230.00 | -70.00 | 0.00012 | 230.00 | -80.00 | 0.00013 |
| 230.00 | -90.00 | 0.00013 | 230.00 | -100.00 | 0.00014 |
| 240.00 | 100.00 | 0.00004 | 240.00 | 90.00 | 0.00004 |
| 240.00 | 80.00 | 0.00004 | 240.00 | 70.00 | 0.00005 |
| 240.00 | 60.00 | 0.00005 | 240.00 | 50.00 | 0.00006 |
| 240.00 | 40.00 | 0.00006 | 240.00 | 30.00 | 0.00007 |
| 240.00 | 25.00 | 0.00007 | 240.00 | 20.00 | 0.00007 |
| 240.00 | 17.00 | 0.00007 | 240.00 | 15.00 | 0.00007 |
| 240.00 | 13.00 | 0.00007 | 240.00 | 11.00 | 0.00007 |
| 240.00 | 9.00 | 0.00008 | 240.00 | -9.00 | 0.00008 |
| 240.00 | -11.00 | 0.00009 | 240.00 | -13.00 | 0.00009 |
| 240.00 | -15.00 | 0.00009 | 240.00 | -17.00 | 0.00009 |
| 240.00 | -20.00 | 0.00009 | 240.00 | -25.00 | 0.00009 |
| 240.00 | -30.00 | 0.00010 | 240.00 | -40.00 | 0.00010 |
| 240.00 | -50.00 | 0.00011 | 240.00 | -60.00 | 0.00011 |
| 240.00 | -70.00 | 0.00012 | 240.00 | -80.00 | 0.00012 |
| 240.00 | -90.00 | 0.00013 | 240.00 | -100.00 | 0.00013 |
| 250.00 | 100.00 | 0.00004 | 250.00 | 90.00 | 0.00004 |
| 250.00 | 80.00 | 0.00004 | 250.00 | 70.00 | 0.00005 |
| 250.00 | 60.00 | 0.00005 | 250.00 | 50.00 | 0.00005 |
| 250.00 | 40.00 | 0.00006 | 250.00 | 30.00 | 0.00006 |
| 250.00 | 25.00 | 0.00006 | 250.00 | 20.00 | 0.00007 |
| 250.00 | 17.00 | 0.00007 | 250.00 | 15.00 | 0.00007 |
| 250.00 | 13.00 | 0.00007 | 250.00 | 11.00 | 0.00007 |
| 250.00 | 9.00 | 0.00007 | 250.00 | -9.00 | 0.00008 |
| 250.00 | -11.00 | 0.00008 | 250.00 | -13.00 | 0.00008 |
| 250.00 | -15.00 | 0.00008 | 250.00 | -17.00 | 0.00008 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 250.00 | -20.00 | 0.00009 | 250.00 | -25.00 | 0.00009 |
| 250.00 | -30.00 | 0.00009 | 250.00 | -40.00 | 0.00010 |
| 250.00 | -50.00 | 0.00010 | 250.00 | -60.00 | 0.00010 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 250.00 | -70.00 | 0.00011 | 250.00 | -80.00 | 0.00011 |
| 250.00 | -90.00 | 0.00012 | 250.00 | -100.00 | 0.00012 |

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

10:54:17
 **MODELOPTs:
 PAGE 123
 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 |
| -250.00 | 100.00 | 0.00090 | -250.00 | 90.00 | 0.00100 |
| -250.00 | 80.00 | 0.00110 | -250.00 | 70.00 | 0.00122 |
| -250.00 | 60.00 | 0.00136 | -250.00 | 50.00 | 0.00151 |
| -250.00 | 40.00 | 0.00167 | -250.00 | 30.00 | 0.00181 |
| -250.00 | 25.00 | 0.00186 | -250.00 | 20.00 | 0.00188 |
| -250.00 | 17.00 | 0.00188 | -250.00 | 15.00 | 0.00186 |
| -250.00 | 13.00 | 0.00184 | -250.00 | 11.00 | 0.00180 |
| -250.00 | 9.00 | 0.00176 | -250.00 | -9.00 | 0.00123 |
| -250.00 | -11.00 | 0.00120 | -250.00 | -13.00 | 0.00118 |
| -250.00 | -15.00 | 0.00117 | -250.00 | -17.00 | 0.00115 |
| -250.00 | -20.00 | 0.00112 | -250.00 | -25.00 | 0.00108 |
| -250.00 | -30.00 | 0.00104 | -250.00 | -40.00 | 0.00095 |
| -250.00 | -50.00 | 0.00088 | -250.00 | -60.00 | 0.00082 |
| -250.00 | -70.00 | 0.00076 | -250.00 | -80.00 | 0.00071 |
| -250.00 | -90.00 | 0.00066 | -250.00 | -100.00 | 0.00061 |
| -240.00 | 100.00 | 0.00093 | -240.00 | 90.00 | 0.00103 |
| -240.00 | 80.00 | 0.00114 | -240.00 | 70.00 | 0.00128 |
| -240.00 | 60.00 | 0.00144 | -240.00 | 50.00 | 0.00163 |
| -240.00 | 40.00 | 0.00185 | -240.00 | 30.00 | 0.00209 |
| -240.00 | 25.00 | 0.00220 | -240.00 | 20.00 | 0.00228 |
| -240.00 | 17.00 | 0.00230 | -240.00 | 15.00 | 0.00230 |
| -240.00 | 13.00 | 0.00229 | -240.00 | 11.00 | 0.00226 |
| -240.00 | 9.00 | 0.00221 | -240.00 | -9.00 | 0.00144 |
| -240.00 | -11.00 | 0.00140 | -240.00 | -13.00 | 0.00137 |
| -240.00 | -15.00 | 0.00135 | -240.00 | -17.00 | 0.00132 |
| -240.00 | -20.00 | 0.00128 | -240.00 | -25.00 | 0.00123 |
| -240.00 | -30.00 | 0.00118 | -240.00 | -40.00 | 0.00109 |
| -240.00 | -50.00 | 0.00100 | -240.00 | -60.00 | 0.00092 |
| -240.00 | -70.00 | 0.00085 | -240.00 | -80.00 | 0.00078 |
| -240.00 | -90.00 | 0.00072 | -240.00 | -100.00 | 0.00067 |
| -230.00 | 100.00 | 0.00095 | -230.00 | 90.00 | 0.00105 |
| -230.00 | 80.00 | 0.00118 | -230.00 | 70.00 | 0.00132 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|--------|---------|
| -230.00 | 60.00 | 0.00150 | -230.00 | 50.00 | 0.00171 |
| -230.00 | 40.00 | 0.00198 | -230.00 | 30.00 | 0.00229 |
| -230.00 | 25.00 | 0.00247 | -230.00 | 20.00 | 0.00264 |
| -230.00 | 17.00 | 0.00274 | -230.00 | 15.00 | 0.00279 |
| -230.00 | 13.00 | 0.00284 | -230.00 | 11.00 | 0.00288 |
| -230.00 | 9.00 | 0.00288 | -230.00 | -9.00 | 0.00172 |
| -230.00 | -11.00 | 0.00166 | -230.00 | -13.00 | 0.00162 |
| -230.00 | -15.00 | 0.00158 | -230.00 | -17.00 | 0.00155 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -230.00 | -20.00 | 0.00151 | -230.00 | -25.00 | 0.00144 |
| -230.00 | -30.00 | 0.00138 | -230.00 | -40.00 | 0.00127 |
| -230.00 | -50.00 | 0.00116 | -230.00 | -60.00 | 0.00105 |
| -230.00 | -70.00 | 0.00096 | -230.00 | -80.00 | 0.00088 |
| -230.00 | -90.00 | 0.00081 | -230.00 | -100.00 | 0.00075 |
| -220.00 | 100.00 | 0.00097 | -220.00 | 90.00 | 0.00107 |
| -220.00 | 80.00 | 0.00120 | -220.00 | 70.00 | 0.00136 |
| -220.00 | 60.00 | 0.00154 | -220.00 | 50.00 | 0.00177 |
| -220.00 | 40.00 | 0.00206 | -220.00 | 30.00 | 0.00241 |
| -220.00 | 25.00 | 0.00262 | -220.00 | 20.00 | 0.00283 |
| -220.00 | 17.00 | 0.00296 | -220.00 | 15.00 | 0.00304 |
| -220.00 | 13.00 | 0.00312 | -220.00 | 11.00 | 0.00321 |
| -220.00 | 9.00 | 0.00331 | -220.00 | -9.00 | 0.00285 |
| -220.00 | -11.00 | 0.00256 | -220.00 | -13.00 | 0.00238 |
| -220.00 | -15.00 | 0.00225 | -220.00 | -17.00 | 0.00215 |
| -220.00 | -20.00 | 0.00204 | -220.00 | -25.00 | 0.00190 |
| -220.00 | -30.00 | 0.00178 | -220.00 | -40.00 | 0.00158 |
| -220.00 | -50.00 | 0.00141 | -220.00 | -60.00 | 0.00126 |
| -220.00 | -70.00 | 0.00113 | -220.00 | -80.00 | 0.00102 |
| -220.00 | -90.00 | 0.00093 | -220.00 | -100.00 | 0.00084 |
| -210.00 | 100.00 | 0.00098 | -210.00 | 90.00 | 0.00109 |
| -210.00 | 80.00 | 0.00122 | -210.00 | 70.00 | 0.00138 |
| -210.00 | 60.00 | 0.00158 | -210.00 | 50.00 | 0.00182 |
| -210.00 | 40.00 | 0.00212 | -210.00 | 30.00 | 0.00250 |
| -210.00 | 25.00 | 0.00273 | -210.00 | 20.00 | 0.00297 |
| -210.00 | 17.00 | 0.00312 | -210.00 | 15.00 | 0.00322 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -210.00 | 13.00 | 0.00333 | -210.00 | 11.00 | 0.00345 |
| -210.00 | 9.00 | 0.00361 | -210.00 | -9.00 | 0.00547 |
| -210.00 | -11.00 | 0.00488 | -210.00 | -13.00 | 0.00439 |
| -210.00 | -15.00 | 0.00399 | -210.00 | -17.00 | 0.00367 |
| -210.00 | -20.00 | 0.00328 | -210.00 | -25.00 | 0.00282 |
| -210.00 | -30.00 | 0.00251 | -210.00 | -40.00 | 0.00207 |
| -210.00 | -50.00 | 0.00177 | -210.00 | -60.00 | 0.00154 |
| -210.00 | -70.00 | 0.00135 | -210.00 | -80.00 | 0.00120 |
| -210.00 | -90.00 | 0.00107 | -210.00 | -100.00 | 0.00097 |
| -200.00 | 100.00 | 0.00099 | -200.00 | 90.00 | 0.00111 |
| -200.00 | 80.00 | 0.00124 | -200.00 | 70.00 | 0.00141 |
| -200.00 | 60.00 | 0.00161 | -200.00 | 50.00 | 0.00186 |
| -200.00 | 40.00 | 0.00218 | -200.00 | 30.00 | 0.00259 |
| -200.00 | 25.00 | 0.00283 | -200.00 | 20.00 | 0.00310 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -200.00 | 17.00 | 0.00328 | -200.00 | 15.00 | 0.00341 |
| -200.00 | 13.00 | 0.00356 | -200.00 | 11.00 | 0.00373 |
| -200.00 | 9.00 | 0.00397 | -200.00 | -9.00 | 0.00733 |
| -200.00 | -11.00 | 0.00679 | -200.00 | -13.00 | 0.00630 |
| -200.00 | -15.00 | 0.00585 | -200.00 | -17.00 | 0.00544 |
| -200.00 | -20.00 | 0.00489 | -200.00 | -25.00 | 0.00415 |
| -200.00 | -30.00 | 0.00357 | -200.00 | -40.00 | 0.00278 |
| -200.00 | -50.00 | 0.00225 | -200.00 | -60.00 | 0.00189 |
| -200.00 | -70.00 | 0.00162 | -200.00 | -80.00 | 0.00141 |
| -200.00 | -90.00 | 0.00124 | -200.00 | -100.00 | 0.00110 |
| -190.00 | 100.00 | 0.00100 | -190.00 | 90.00 | 0.00112 |
| -190.00 | 80.00 | 0.00126 | -190.00 | 70.00 | 0.00143 |
| -190.00 | 60.00 | 0.00164 | -190.00 | 50.00 | 0.00190 |
| -190.00 | 40.00 | 0.00224 | -190.00 | 30.00 | 0.00267 |
| -190.00 | 25.00 | 0.00293 | -190.00 | 20.00 | 0.00323 |
| -190.00 | 17.00 | 0.00345 | -190.00 | 15.00 | 0.00361 |
| -190.00 | 13.00 | 0.00379 | -190.00 | 11.00 | 0.00402 |
| -190.00 | 9.00 | 0.00430 | -190.00 | -9.00 | 0.00851 |
| -190.00 | -11.00 | 0.00804 | -190.00 | -13.00 | 0.00760 |
| -190.00 | -15.00 | 0.00719 | -190.00 | -17.00 | 0.00680 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -190.00 | -20.00 | 0.00625 | -190.00 | -25.00 | 0.00541 |
| -190.00 | -30.00 | 0.00469 | -190.00 | -40.00 | 0.00360 |
| -190.00 | -50.00 | 0.00285 | -190.00 | -60.00 | 0.00232 |
| -190.00 | -70.00 | 0.00194 | -190.00 | -80.00 | 0.00165 |
| -190.00 | -90.00 | 0.00143 | -190.00 | -100.00 | 0.00126 |
| -180.00 | 100.00 | 0.00101 | -180.00 | 90.00 | 0.00113 |
| -180.00 | 80.00 | 0.00128 | -180.00 | 70.00 | 0.00145 |
| -180.00 | 60.00 | 0.00167 | -180.00 | 50.00 | 0.00194 |
| -180.00 | 40.00 | 0.00228 | -180.00 | 30.00 | 0.00274 |
| -180.00 | 25.00 | 0.00302 | -180.00 | 20.00 | 0.00336 |
| -180.00 | 17.00 | 0.00361 | -180.00 | 15.00 | 0.00379 |
| -180.00 | 13.00 | 0.00401 | -180.00 | 11.00 | 0.00426 |
| -180.00 | 9.00 | 0.00459 | -180.00 | -9.00 | 0.00930 |
| -180.00 | -11.00 | 0.00887 | -180.00 | -13.00 | 0.00848 |
| -180.00 | -15.00 | 0.00811 | -180.00 | -17.00 | 0.00775 |
| -180.00 | -20.00 | 0.00723 | -180.00 | -25.00 | 0.00641 |
| -180.00 | -30.00 | 0.00566 | -180.00 | -40.00 | 0.00441 |
| -180.00 | -50.00 | 0.00348 | -180.00 | -60.00 | 0.00281 |
| -180.00 | -70.00 | 0.00231 | -180.00 | -80.00 | 0.00194 |
| -180.00 | -90.00 | 0.00166 | -180.00 | -100.00 | 0.00144 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -170.00 | 100.00 | 0.00102 | -170.00 | 90.00 | 0.00114 |
| -170.00 | 80.00 | 0.00129 | -170.00 | 70.00 | 0.00147 |
| -170.00 | 60.00 | 0.00169 | -170.00 | 50.00 | 0.00197 |
| -170.00 | 40.00 | 0.00233 | -170.00 | 30.00 | 0.00280 |
| -170.00 | 25.00 | 0.00311 | -170.00 | 20.00 | 0.00349 |
| -170.00 | 17.00 | 0.00376 | -170.00 | 15.00 | 0.00396 |
| -170.00 | 13.00 | 0.00420 | -170.00 | 11.00 | 0.00447 |
| -170.00 | 9.00 | 0.00482 | -170.00 | -9.00 | 0.00987 |
| -170.00 | -11.00 | 0.00945 | -170.00 | -13.00 | 0.00910 |
| -170.00 | -15.00 | 0.00875 | -170.00 | -17.00 | 0.00842 |
| -170.00 | -20.00 | 0.00793 | -170.00 | -25.00 | 0.00715 |
| -170.00 | -30.00 | 0.00641 | -170.00 | -40.00 | 0.00511 |
| -170.00 | -50.00 | 0.00408 | -170.00 | -60.00 | 0.00329 |
| -170.00 | -70.00 | 0.00270 | -170.00 | -80.00 | 0.00225 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -170.00 | -90.00 | 0.00190 | -170.00 | -100.00 | 0.00164 |
| -160.00 | 100.00 | 0.00103 | -160.00 | 90.00 | 0.00115 |
| -160.00 | 80.00 | 0.00130 | -160.00 | 70.00 | 0.00149 |
| -160.00 | 60.00 | 0.00171 | -160.00 | 50.00 | 0.00199 |
| -160.00 | 40.00 | 0.00237 | -160.00 | 30.00 | 0.00287 |
| -160.00 | 25.00 | 0.00320 | -160.00 | 20.00 | 0.00360 |
| -160.00 | 17.00 | 0.00389 | -160.00 | 15.00 | 0.00411 |
| -160.00 | 13.00 | 0.00435 | -160.00 | 11.00 | 0.00464 |
| -160.00 | 9.00 | 0.00501 | -160.00 | -9.00 | 0.01028 |
| -160.00 | -11.00 | 0.00987 | -160.00 | -13.00 | 0.00954 |
| -160.00 | -15.00 | 0.00922 | -160.00 | -17.00 | 0.00891 |
| -160.00 | -20.00 | 0.00844 | -160.00 | -25.00 | 0.00769 |
| -160.00 | -30.00 | 0.00698 | -160.00 | -40.00 | 0.00568 |
| -160.00 | -50.00 | 0.00460 | -160.00 | -60.00 | 0.00374 |
| -160.00 | -70.00 | 0.00308 | -160.00 | -80.00 | 0.00256 |
| -160.00 | -90.00 | 0.00216 | -160.00 | -100.00 | 0.00185 |
| -150.00 | 100.00 | 0.00103 | -150.00 | 90.00 | 0.00116 |
| -150.00 | 80.00 | 0.00131 | -150.00 | 70.00 | 0.00150 |
| -150.00 | 60.00 | 0.00173 | -150.00 | 50.00 | 0.00202 |
| -150.00 | 40.00 | 0.00240 | -150.00 | 30.00 | 0.00293 |
| -150.00 | 25.00 | 0.00328 | -150.00 | 20.00 | 0.00370 |
| -150.00 | 17.00 | 0.00400 | -150.00 | 15.00 | 0.00423 |
| -150.00 | 13.00 | 0.00449 | -150.00 | 11.00 | 0.00479 |
| -150.00 | 9.00 | 0.00516 | -150.00 | -9.00 | 0.01059 |
| -150.00 | -11.00 | 0.01020 | -150.00 | -13.00 | 0.00987 |
| -150.00 | -15.00 | 0.00957 | -150.00 | -17.00 | 0.00927 |

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

04/20/08

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -150.00 | -20.00 | 0.00883 | -150.00 | -25.00 | 0.00810 |
| -150.00 | -30.00 | 0.00741 | -150.00 | -40.00 | 0.00614 |
| -150.00 | -50.00 | 0.00505 | -150.00 | -60.00 | 0.00415 |
| -150.00 | -70.00 | 0.00343 | -150.00 | -80.00 | 0.00287 |
| -150.00 | -90.00 | 0.00242 | -150.00 | -100.00 | 0.00207 |
| -140.00 | 100.00 | 0.00104 | -140.00 | 90.00 | 0.00117 |
| -140.00 | 80.00 | 0.00132 | -140.00 | 70.00 | 0.00151 |
| -140.00 | 60.00 | 0.00175 | -140.00 | 50.00 | 0.00204 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -140.00 | 40.00 | 0.00244 | -140.00 | 30.00 | 0.00299 |
| -140.00 | 25.00 | 0.00335 | -140.00 | 20.00 | 0.00379 |
| -140.00 | 17.00 | 0.00410 | -140.00 | 15.00 | 0.00433 |
| -140.00 | 13.00 | 0.00460 | -140.00 | 11.00 | 0.00492 |
| -140.00 | 9.00 | 0.00531 | -140.00 | -9.00 | 0.01085 |
| -140.00 | -11.00 | 0.01047 | -140.00 | -13.00 | 0.01012 |
| -140.00 | -15.00 | 0.00983 | -140.00 | -17.00 | 0.00955 |
| -140.00 | -20.00 | 0.00913 | -140.00 | -25.00 | 0.00842 |
| -140.00 | -30.00 | 0.00775 | -140.00 | -40.00 | 0.00650 |
| -140.00 | -50.00 | 0.00541 | -140.00 | -60.00 | 0.00450 |
| -140.00 | -70.00 | 0.00375 | -140.00 | -80.00 | 0.00315 |
| -140.00 | -90.00 | 0.00267 | -140.00 | -100.00 | 0.00228 |
| -130.00 | 100.00 | 0.00104 | -130.00 | 90.00 | 0.00117 |
| -130.00 | 80.00 | 0.00133 | -130.00 | 70.00 | 0.00152 |
| -130.00 | 60.00 | 0.00176 | -130.00 | 50.00 | 0.00207 |
| -130.00 | 40.00 | 0.00248 | -130.00 | 30.00 | 0.00304 |
| -130.00 | 25.00 | 0.00341 | -130.00 | 20.00 | 0.00386 |
| -130.00 | 17.00 | 0.00418 | -130.00 | 15.00 | 0.00442 |
| -130.00 | 13.00 | 0.00469 | -130.00 | 11.00 | 0.00503 |
| -130.00 | 9.00 | 0.00543 | -130.00 | -9.00 | 0.01099 |
| -130.00 | -11.00 | 0.01068 | -130.00 | -13.00 | 0.01036 |
| -130.00 | -15.00 | 0.01004 | -130.00 | -17.00 | 0.00977 |
| -130.00 | -20.00 | 0.00936 | -130.00 | -25.00 | 0.00868 |
| -130.00 | -30.00 | 0.00801 | -130.00 | -40.00 | 0.00679 |
| -130.00 | -50.00 | 0.00572 | -130.00 | -60.00 | 0.00480 |
| -130.00 | -70.00 | 0.00403 | -130.00 | -80.00 | 0.00341 |
| -130.00 | -90.00 | 0.00290 | -130.00 | -100.00 | 0.00248 |
| -120.00 | 100.00 | 0.00104 | -120.00 | 90.00 | 0.00118 |
| -120.00 | 80.00 | 0.00134 | -120.00 | 70.00 | 0.00153 |
| -120.00 | 60.00 | 0.00178 | -120.00 | 50.00 | 0.00209 |
| -120.00 | 40.00 | 0.00251 | -120.00 | 30.00 | 0.00309 |
| -120.00 | 25.00 | 0.00347 | -120.00 | 20.00 | 0.00393 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -120.00 | 17.00 | 0.00425 | -120.00 | 15.00 | 0.00450 |
| -120.00 | 13.00 | 0.00478 | -120.00 | 11.00 | 0.00511 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|---------|--------|---------|---------|---------|---------|
| -120.00 | 9.00 | 0.00552 | -120.00 | -9.00 | 0.01108 |
| -120.00 | -11.00 | 0.01077 | -120.00 | -13.00 | 0.01049 |
| -120.00 | -15.00 | 0.01023 | -120.00 | -17.00 | 0.00996 |
| -120.00 | -20.00 | 0.00955 | -120.00 | -25.00 | 0.00889 |
| -120.00 | -30.00 | 0.00823 | -120.00 | -40.00 | 0.00703 |
| -120.00 | -50.00 | 0.00596 | -120.00 | -60.00 | 0.00505 |
| -120.00 | -70.00 | 0.00428 | -120.00 | -80.00 | 0.00364 |
| -120.00 | -90.00 | 0.00311 | -120.00 | -100.00 | 0.00268 |
| -110.00 | 100.00 | 0.00105 | -110.00 | 90.00 | 0.00118 |
| -110.00 | 80.00 | 0.00134 | -110.00 | 70.00 | 0.00154 |
| -110.00 | 60.00 | 0.00179 | -110.00 | 50.00 | 0.00211 |
| -110.00 | 40.00 | 0.00254 | -110.00 | 30.00 | 0.00313 |
| -110.00 | 25.00 | 0.00351 | -110.00 | 20.00 | 0.00398 |
| -110.00 | 17.00 | 0.00432 | -110.00 | 15.00 | 0.00457 |
| -110.00 | 13.00 | 0.00485 | -110.00 | 11.00 | 0.00518 |
| -110.00 | 9.00 | 0.00560 | -110.00 | -9.00 | 0.01121 |
| -110.00 | -11.00 | 0.01090 | -110.00 | -13.00 | 0.01061 |
| -110.00 | -15.00 | 0.01035 | -110.00 | -17.00 | 0.01008 |
| -110.00 | -20.00 | 0.00969 | -110.00 | -25.00 | 0.00905 |
| -110.00 | -30.00 | 0.00841 | -110.00 | -40.00 | 0.00723 |
| -110.00 | -50.00 | 0.00617 | -110.00 | -60.00 | 0.00526 |
| -110.00 | -70.00 | 0.00449 | -110.00 | -80.00 | 0.00384 |
| -110.00 | -90.00 | 0.00330 | -110.00 | -100.00 | 0.00285 |
| -100.00 | 100.00 | 0.00105 | -100.00 | 90.00 | 0.00118 |
| -100.00 | 80.00 | 0.00134 | -100.00 | 70.00 | 0.00155 |
| -100.00 | 60.00 | 0.00180 | -100.00 | 50.00 | 0.00213 |
| -100.00 | 40.00 | 0.00257 | -100.00 | 30.00 | 0.00317 |
| -100.00 | 25.00 | 0.00356 | -100.00 | 20.00 | 0.00403 |
| -100.00 | 17.00 | 0.00437 | -100.00 | 15.00 | 0.00462 |
| -100.00 | 13.00 | 0.00491 | -100.00 | 11.00 | 0.00525 |
| -100.00 | 9.00 | 0.00566 | -100.00 | -9.00 | 0.01131 |
| -100.00 | -11.00 | 0.01100 | -100.00 | -13.00 | 0.01072 |
| -100.00 | -15.00 | 0.01046 | -100.00 | -17.00 | 0.01020 |
| -100.00 | -20.00 | 0.00981 | -100.00 | -25.00 | 0.00918 |
| -100.00 | -30.00 | 0.00856 | -100.00 | -40.00 | 0.00739 |
| -100.00 | -50.00 | 0.00634 | -100.00 | -60.00 | 0.00544 |
| -100.00 | -70.00 | 0.00467 | -100.00 | -80.00 | 0.00402 |
| -100.00 | -90.00 | 0.00348 | -100.00 | -100.00 | 0.00302 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **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 | |
| -90.00 | 100.00 | 0.00104 | -90.00 | 90.00 | 0.00118 | |
| -90.00 | 80.00 | 0.00135 | -90.00 | 70.00 | 0.00155 | |
| -90.00 | 60.00 | 0.00181 | -90.00 | 50.00 | 0.00215 | |
| -90.00 | 40.00 | 0.00259 | -90.00 | 30.00 | 0.00320 | |
| -90.00 | 25.00 | 0.00360 | -90.00 | 20.00 | 0.00408 | |
| -90.00 | 17.00 | 0.00441 | -90.00 | 15.00 | 0.00467 | |
| -90.00 | 13.00 | 0.00496 | -90.00 | 11.00 | 0.00530 | |
| -90.00 | 9.00 | 0.00571 | -90.00 | -9.00 | 0.01141 | |
| -90.00 | -11.00 | 0.01109 | -90.00 | -13.00 | 0.01082 | |
| -90.00 | -15.00 | 0.01055 | -90.00 | -17.00 | 0.01029 | |
| -90.00 | -20.00 | 0.00992 | -90.00 | -25.00 | 0.00929 | |
| -90.00 | -30.00 | 0.00867 | -90.00 | -40.00 | 0.00752 | |
| -90.00 | -50.00 | 0.00649 | -90.00 | -60.00 | 0.00559 | |
| -90.00 | -70.00 | 0.00483 | -90.00 | -80.00 | 0.00418 | |
| -90.00 | -90.00 | 0.00363 | -90.00 | -100.00 | 0.00316 | |
| -80.00 | 100.00 | 0.00104 | -80.00 | 90.00 | 0.00118 | |
| -80.00 | 80.00 | 0.00135 | -80.00 | 70.00 | 0.00156 | |
| -80.00 | 60.00 | 0.00182 | -80.00 | 50.00 | 0.00216 | |
| -80.00 | 40.00 | 0.00262 | -80.00 | 30.00 | 0.00323 | |
| -80.00 | 25.00 | 0.00363 | -80.00 | 20.00 | 0.00411 | |
| -80.00 | 17.00 | 0.00446 | -80.00 | 15.00 | 0.00472 | |
| -80.00 | 13.00 | 0.00501 | -80.00 | 11.00 | 0.00535 | |
| -80.00 | 9.00 | 0.00576 | -80.00 | -9.00 | 0.01151 | |
| -80.00 | -11.00 | 0.01117 | -80.00 | -13.00 | 0.01090 | |
| -80.00 | -15.00 | 0.01063 | -80.00 | -17.00 | 0.01037 | |
| -80.00 | -20.00 | 0.01000 | -80.00 | -25.00 | 0.00938 | |
| -80.00 | -30.00 | 0.00877 | -80.00 | -40.00 | 0.00763 | |
| -80.00 | -50.00 | 0.00661 | -80.00 | -60.00 | 0.00573 | |
| -80.00 | -70.00 | 0.00496 | -80.00 | -80.00 | 0.00432 | |
| -80.00 | -90.00 | 0.00376 | -80.00 | -100.00 | 0.00329 | |
| -70.00 | 100.00 | 0.00104 | -70.00 | 90.00 | 0.00118 | |
| -70.00 | 80.00 | 0.00135 | -70.00 | 70.00 | 0.00156 | |
| -70.00 | 60.00 | 0.00183 | -70.00 | 50.00 | 0.00218 | |
| -70.00 | 40.00 | 0.00263 | -70.00 | 30.00 | 0.00326 | |
| -70.00 | 25.00 | 0.00366 | -70.00 | 20.00 | 0.00415 | |
| -70.00 | 17.00 | 0.00449 | -70.00 | 15.00 | 0.00475 | |
| -70.00 | 13.00 | 0.00505 | -70.00 | 11.00 | 0.00539 | |
| -70.00 | 9.00 | 0.00580 | -70.00 | -9.00 | 0.01159 | |
| -70.00 | -11.00 | 0.01124 | -70.00 | -13.00 | 0.01097 | |
| -70.00 | -15.00 | 0.01071 | -70.00 | -17.00 | 0.01045 | |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**MODELOPTs:

PAGE 130

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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -70.00 | -20.00 | 0.01007 | -70.00 | -25.00 | 0.00945 |
| -70.00 | -30.00 | 0.00886 | -70.00 | -40.00 | 0.00773 |
| -70.00 | -50.00 | 0.00672 | -70.00 | -60.00 | 0.00584 |
| -70.00 | -70.00 | 0.00508 | -70.00 | -80.00 | 0.00443 |
| -70.00 | -90.00 | 0.00388 | -70.00 | -100.00 | 0.00341 |
| -60.00 | 100.00 | 0.00104 | -60.00 | 90.00 | 0.00118 |
| -60.00 | 80.00 | 0.00135 | -60.00 | 70.00 | 0.00157 |
| -60.00 | 60.00 | 0.00184 | -60.00 | 50.00 | 0.00219 |
| -60.00 | 40.00 | 0.00265 | -60.00 | 30.00 | 0.00328 |
| -60.00 | 25.00 | 0.00369 | -60.00 | 20.00 | 0.00418 |
| -60.00 | 17.00 | 0.00453 | -60.00 | 15.00 | 0.00479 |
| -60.00 | 13.00 | 0.00508 | -60.00 | 11.00 | 0.00542 |
| -60.00 | 9.00 | 0.00583 | -60.00 | -9.00 | 0.01166 |
| -60.00 | -11.00 | 0.01131 | -60.00 | -13.00 | 0.01102 |
| -60.00 | -15.00 | 0.01077 | -60.00 | -17.00 | 0.01052 |
| -60.00 | -20.00 | 0.01014 | -60.00 | -25.00 | 0.00952 |
| -60.00 | -30.00 | 0.00893 | -60.00 | -40.00 | 0.00781 |
| -60.00 | -50.00 | 0.00681 | -60.00 | -60.00 | 0.00593 |
| -60.00 | -70.00 | 0.00518 | -60.00 | -80.00 | 0.00454 |
| -60.00 | -90.00 | 0.00399 | -60.00 | -100.00 | 0.00351 |
| -50.00 | 100.00 | 0.00103 | -50.00 | 90.00 | 0.00118 |
| -50.00 | 80.00 | 0.00135 | -50.00 | 70.00 | 0.00157 |
| -50.00 | 60.00 | 0.00185 | -50.00 | 50.00 | 0.00220 |
| -50.00 | 40.00 | 0.00266 | -50.00 | 30.00 | 0.00330 |
| -50.00 | 25.00 | 0.00371 | -50.00 | 20.00 | 0.00420 |
| -50.00 | 17.00 | 0.00455 | -50.00 | 15.00 | 0.00481 |
| -50.00 | 13.00 | 0.00512 | -50.00 | 11.00 | 0.00546 |
| -50.00 | 9.00 | 0.00588 | -50.00 | -9.00 | 0.01173 |
| -50.00 | -11.00 | 0.01138 | -50.00 | -13.00 | 0.01107 |
| -50.00 | -15.00 | 0.01082 | -50.00 | -17.00 | 0.01057 |
| -50.00 | -20.00 | 0.01020 | -50.00 | -25.00 | 0.00958 |
| -50.00 | -30.00 | 0.00899 | -50.00 | -40.00 | 0.00788 |
| -50.00 | -50.00 | 0.00688 | -50.00 | -60.00 | 0.00602 |
| -50.00 | -70.00 | 0.00527 | -50.00 | -80.00 | 0.00463 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -50.00 | -90.00 | 0.00408 | -50.00 | -100.00 | 0.00361 |
| -40.00 | 100.00 | 0.00103 | -40.00 | 90.00 | 0.00117 |
| -40.00 | 80.00 | 0.00135 | -40.00 | 70.00 | 0.00157 |
| -40.00 | 60.00 | 0.00185 | -40.00 | 50.00 | 0.00221 |
| -40.00 | 40.00 | 0.00267 | -40.00 | 30.00 | 0.00331 |
| -40.00 | 25.00 | 0.00372 | -40.00 | 20.00 | 0.00422 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -40.00 | 17.00 | 0.00457 | -40.00 | 15.00 | 0.00484 |
| -40.00 | 13.00 | 0.00513 | -40.00 | 11.00 | 0.00549 |
| -40.00 | 9.00 | 0.00592 | -40.00 | -9.00 | 0.01173 |
| -40.00 | -11.00 | 0.01144 | -40.00 | -13.00 | 0.01115 |
| -40.00 | -15.00 | 0.01086 | -40.00 | -17.00 | 0.01062 |
| -40.00 | -20.00 | 0.01025 | -40.00 | -25.00 | 0.00964 |
| -40.00 | -30.00 | 0.00904 | -40.00 | -40.00 | 0.00794 |
| -40.00 | -50.00 | 0.00695 | -40.00 | -60.00 | 0.00609 |
| -40.00 | -70.00 | 0.00534 | -40.00 | -80.00 | 0.00471 |
| -40.00 | -90.00 | 0.00416 | -40.00 | -100.00 | 0.00369 |
| -30.00 | 100.00 | 0.00102 | -30.00 | 90.00 | 0.00117 |
| -30.00 | 80.00 | 0.00135 | -30.00 | 70.00 | 0.00157 |
| -30.00 | 60.00 | 0.00185 | -30.00 | 50.00 | 0.00221 |
| -30.00 | 40.00 | 0.00268 | -30.00 | 30.00 | 0.00332 |
| -30.00 | 25.00 | 0.00374 | -30.00 | 20.00 | 0.00424 |
| -30.00 | 17.00 | 0.00459 | -30.00 | 15.00 | 0.00486 |
| -30.00 | 13.00 | 0.00516 | -30.00 | 11.00 | 0.00551 |
| -30.00 | 9.00 | 0.00595 | -30.00 | -9.00 | 0.01170 |
| -30.00 | -11.00 | 0.01142 | -30.00 | -13.00 | 0.01116 |
| -30.00 | -15.00 | 0.01091 | -30.00 | -17.00 | 0.01067 |
| -30.00 | -20.00 | 0.01030 | -30.00 | -25.00 | 0.00969 |
| -30.00 | -30.00 | 0.00909 | -30.00 | -40.00 | 0.00799 |
| -30.00 | -50.00 | 0.00701 | -30.00 | -60.00 | 0.00615 |
| -30.00 | -70.00 | 0.00541 | -30.00 | -80.00 | 0.00478 |
| -30.00 | -90.00 | 0.00423 | -30.00 | -100.00 | 0.00376 |
| -20.00 | 100.00 | 0.00102 | -20.00 | 90.00 | 0.00116 |
| -20.00 | 80.00 | 0.00135 | -20.00 | 70.00 | 0.00157 |
| -20.00 | 60.00 | 0.00185 | -20.00 | 50.00 | 0.00221 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| -20.00 | 40.00 | 0.00269 | -20.00 | 30.00 | 0.00334 |
| -20.00 | 25.00 | 0.00375 | -20.00 | 20.00 | 0.00425 |
| -20.00 | 17.00 | 0.00461 | -20.00 | 15.00 | 0.00488 |
| -20.00 | 13.00 | 0.00518 | -20.00 | 11.00 | 0.00553 |
| -20.00 | 9.00 | 0.00596 | -20.00 | -9.00 | 0.01173 |
| -20.00 | -11.00 | 0.01144 | -20.00 | -13.00 | 0.01118 |
| -20.00 | -15.00 | 0.01093 | -20.00 | -17.00 | 0.01068 |
| -20.00 | -20.00 | 0.01032 | -20.00 | -25.00 | 0.00972 |
| -20.00 | -30.00 | 0.00914 | -20.00 | -40.00 | 0.00804 |
| -20.00 | -50.00 | 0.00705 | -20.00 | -60.00 | 0.00620 |
| -20.00 | -70.00 | 0.00547 | -20.00 | -80.00 | 0.00484 |
| -20.00 | -90.00 | 0.00430 | -20.00 | -100.00 | 0.00383 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| -10.00 | 100.00 | 0.00101 | -10.00 | 90.00 | 0.00116 |
| -10.00 | 80.00 | 0.00134 | -10.00 | 70.00 | 0.00157 |
| -10.00 | 60.00 | 0.00185 | -10.00 | 50.00 | 0.00222 |
| -10.00 | 40.00 | 0.00269 | -10.00 | 30.00 | 0.00334 |
| -10.00 | 25.00 | 0.00376 | -10.00 | 20.00 | 0.00426 |
| -10.00 | 17.00 | 0.00462 | -10.00 | 15.00 | 0.00489 |
| -10.00 | 13.00 | 0.00519 | -10.00 | 11.00 | 0.00554 |
| -10.00 | 9.00 | 0.00597 | -10.00 | -9.00 | 0.01176 |
| -10.00 | -11.00 | 0.01147 | -10.00 | -13.00 | 0.01120 |
| -10.00 | -15.00 | 0.01095 | -10.00 | -17.00 | 0.01071 |
| -10.00 | -20.00 | 0.01035 | -10.00 | -25.00 | 0.00975 |
| -10.00 | -30.00 | 0.00917 | -10.00 | -40.00 | 0.00808 |
| -10.00 | -50.00 | 0.00710 | -10.00 | -60.00 | 0.00625 |
| -10.00 | -70.00 | 0.00552 | -10.00 | -80.00 | 0.00489 |
| -10.00 | -90.00 | 0.00435 | -10.00 | -100.00 | 0.00388 |
| 0.00 | 100.00 | 0.00100 | 0.00 | 90.00 | 0.00115 |
| 0.00 | 80.00 | 0.00133 | 0.00 | 70.00 | 0.00156 |
| 0.00 | 60.00 | 0.00185 | 0.00 | 50.00 | 0.00221 |
| 0.00 | 40.00 | 0.00270 | 0.00 | 30.00 | 0.00335 |
| 0.00 | 25.00 | 0.00377 | 0.00 | 20.00 | 0.00427 |
| 0.00 | 17.00 | 0.00463 | 0.00 | 15.00 | 0.00490 |
| 0.00 | 13.00 | 0.00520 | 0.00 | 11.00 | 0.00555 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 0.00 | 9.00 | 0.00598 | 0.00 | -9.00 | 0.01179 |
| 0.00 | -11.00 | 0.01149 | 0.00 | -13.00 | 0.01123 |
| 0.00 | -15.00 | 0.01097 | 0.00 | -17.00 | 0.01073 |
| 0.00 | -20.00 | 0.01037 | 0.00 | -25.00 | 0.00978 |
| 0.00 | -30.00 | 0.00920 | 0.00 | -40.00 | 0.00811 |
| 0.00 | -50.00 | 0.00714 | 0.00 | -60.00 | 0.00629 |
| 0.00 | -70.00 | 0.00556 | 0.00 | -80.00 | 0.00494 |
| 0.00 | -90.00 | 0.00440 | 0.00 | -100.00 | 0.00393 |
| 10.00 | 100.00 | 0.00099 | 10.00 | 90.00 | 0.00114 |
| 10.00 | 80.00 | 0.00132 | 10.00 | 70.00 | 0.00155 |
| 10.00 | 60.00 | 0.00184 | 10.00 | 50.00 | 0.00221 |
| 10.00 | 40.00 | 0.00270 | 10.00 | 30.00 | 0.00335 |
| 10.00 | 25.00 | 0.00377 | 10.00 | 20.00 | 0.00428 |
| 10.00 | 17.00 | 0.00464 | 10.00 | 15.00 | 0.00491 |
| 10.00 | 13.00 | 0.00521 | 10.00 | 11.00 | 0.00556 |
| 10.00 | 9.00 | 0.00598 | 10.00 | -9.00 | 0.01183 |
| 10.00 | -11.00 | 0.01151 | 10.00 | -13.00 | 0.01125 |
| 10.00 | -15.00 | 0.01099 | 10.00 | -17.00 | 0.01075 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 10.00 | -20.00 | 0.01039 | 10.00 | -25.00 | 0.00980 |
| 10.00 | -30.00 | 0.00922 | 10.00 | -40.00 | 0.00814 |
| 10.00 | -50.00 | 0.00717 | 10.00 | -60.00 | 0.00633 |
| 10.00 | -70.00 | 0.00560 | 10.00 | -80.00 | 0.00498 |
| 10.00 | -90.00 | 0.00444 | 10.00 | -100.00 | 0.00398 |
| 20.00 | 100.00 | 0.00098 | 20.00 | 90.00 | 0.00113 |
| 20.00 | 80.00 | 0.00131 | 20.00 | 70.00 | 0.00154 |
| 20.00 | 60.00 | 0.00183 | 20.00 | 50.00 | 0.00220 |
| 20.00 | 40.00 | 0.00269 | 20.00 | 30.00 | 0.00335 |
| 20.00 | 25.00 | 0.00377 | 20.00 | 20.00 | 0.00428 |
| 20.00 | 17.00 | 0.00464 | 20.00 | 15.00 | 0.00491 |
| 20.00 | 13.00 | 0.00521 | 20.00 | 11.00 | 0.00556 |
| 20.00 | 9.00 | 0.00599 | 20.00 | -9.00 | 0.01187 |
| 20.00 | -11.00 | 0.01153 | 20.00 | -13.00 | 0.01127 |
| 20.00 | -15.00 | 0.01102 | 20.00 | -17.00 | 0.01077 |
| 20.00 | -20.00 | 0.01040 | 20.00 | -25.00 | 0.00981 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 20.00 | -30.00 | 0.00924 | 20.00 | -40.00 | 0.00816 |
| 20.00 | -50.00 | 0.00720 | 20.00 | -60.00 | 0.00636 |
| 20.00 | -70.00 | 0.00563 | 20.00 | -80.00 | 0.00501 |
| 20.00 | -90.00 | 0.00448 | 20.00 | -100.00 | 0.00402 |
| 30.00 | 100.00 | 0.00097 | 30.00 | 90.00 | 0.00112 |
| 30.00 | 80.00 | 0.00130 | 30.00 | 70.00 | 0.00153 |
| 30.00 | 60.00 | 0.00182 | 30.00 | 50.00 | 0.00220 |
| 30.00 | 40.00 | 0.00268 | 30.00 | 30.00 | 0.00334 |
| 30.00 | 25.00 | 0.00377 | 30.00 | 20.00 | 0.00428 |
| 30.00 | 17.00 | 0.00464 | 30.00 | 15.00 | 0.00491 |
| 30.00 | 13.00 | 0.00522 | 30.00 | 11.00 | 0.00557 |
| 30.00 | 9.00 | 0.00599 | 30.00 | -9.00 | 0.01189 |
| 30.00 | -11.00 | 0.01155 | 30.00 | -13.00 | 0.01128 |
| 30.00 | -15.00 | 0.01103 | 30.00 | -17.00 | 0.01079 |
| 30.00 | -20.00 | 0.01042 | 30.00 | -25.00 | 0.00982 |
| 30.00 | -30.00 | 0.00925 | 30.00 | -40.00 | 0.00818 |
| 30.00 | -50.00 | 0.00722 | 30.00 | -60.00 | 0.00638 |
| 30.00 | -70.00 | 0.00566 | 30.00 | -80.00 | 0.00504 |
| 30.00 | -90.00 | 0.00451 | 30.00 | -100.00 | 0.00405 |
| 40.00 | 100.00 | 0.00095 | 40.00 | 90.00 | 0.00110 |
| 40.00 | 80.00 | 0.00129 | 40.00 | 70.00 | 0.00152 |
| 40.00 | 60.00 | 0.00181 | 40.00 | 50.00 | 0.00218 |
| 40.00 | 40.00 | 0.00267 | 40.00 | 30.00 | 0.00334 |
| 40.00 | 25.00 | 0.00377 | 40.00 | 20.00 | 0.00428 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 40.00 | 17.00 | 0.00464 | 40.00 | 15.00 | 0.00491 |
| 40.00 | 13.00 | 0.00522 | 40.00 | 11.00 | 0.00558 |
| 40.00 | 9.00 | 0.00600 | 40.00 | -9.00 | 0.01193 |
| 40.00 | -11.00 | 0.01159 | 40.00 | -13.00 | 0.01128 |
| 40.00 | -15.00 | 0.01103 | 40.00 | -17.00 | 0.01080 |
| 40.00 | -20.00 | 0.01044 | 40.00 | -25.00 | 0.00984 |
| 40.00 | -30.00 | 0.00926 | 40.00 | -40.00 | 0.00820 |
| 40.00 | -50.00 | 0.00724 | 40.00 | -60.00 | 0.00640 |
| 40.00 | -70.00 | 0.00568 | 40.00 | -80.00 | 0.00507 |
| 40.00 | -90.00 | 0.00454 | 40.00 | -100.00 | 0.00408 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 50.00 | 100.00 | 0.00094 | 50.00 | 90.00 | 0.00108 |
| 50.00 | 80.00 | 0.00127 | 50.00 | 70.00 | 0.00150 |
| 50.00 | 60.00 | 0.00179 | 50.00 | 50.00 | 0.00217 |
| 50.00 | 40.00 | 0.00266 | 50.00 | 30.00 | 0.00333 |
| 50.00 | 25.00 | 0.00376 | 50.00 | 20.00 | 0.00427 |
| 50.00 | 17.00 | 0.00463 | 50.00 | 15.00 | 0.00490 |
| 50.00 | 13.00 | 0.00521 | 50.00 | 11.00 | 0.00557 |
| 50.00 | 9.00 | 0.00601 | 50.00 | -9.00 | 0.01189 |
| 50.00 | -11.00 | 0.01161 | 50.00 | -13.00 | 0.01132 |
| 50.00 | -15.00 | 0.01104 | 50.00 | -17.00 | 0.01080 |
| 50.00 | -20.00 | 0.01045 | 50.00 | -25.00 | 0.00985 |
| 50.00 | -30.00 | 0.00927 | 50.00 | -40.00 | 0.00821 |
| 50.00 | -50.00 | 0.00725 | 50.00 | -60.00 | 0.00642 |
| 50.00 | -70.00 | 0.00570 | 50.00 | -80.00 | 0.00509 |
| 50.00 | -90.00 | 0.00456 | 50.00 | -100.00 | 0.00410 |
| 60.00 | 100.00 | 0.00092 | 60.00 | 90.00 | 0.00107 |
| 60.00 | 80.00 | 0.00125 | 60.00 | 70.00 | 0.00148 |
| 60.00 | 60.00 | 0.00177 | 60.00 | 50.00 | 0.00215 |
| 60.00 | 40.00 | 0.00265 | 60.00 | 30.00 | 0.00331 |
| 60.00 | 25.00 | 0.00374 | 60.00 | 20.00 | 0.00426 |
| 60.00 | 17.00 | 0.00462 | 60.00 | 15.00 | 0.00490 |
| 60.00 | 13.00 | 0.00520 | 60.00 | 11.00 | 0.00556 |
| 60.00 | 9.00 | 0.00600 | 60.00 | -9.00 | 0.01182 |
| 60.00 | -11.00 | 0.01154 | 60.00 | -13.00 | 0.01129 |
| 60.00 | -15.00 | 0.01106 | 60.00 | -17.00 | 0.01082 |
| 60.00 | -20.00 | 0.01046 | 60.00 | -25.00 | 0.00987 |
| 60.00 | -30.00 | 0.00928 | 60.00 | -40.00 | 0.00821 |
| 60.00 | -50.00 | 0.00726 | 60.00 | -60.00 | 0.00643 |
| 60.00 | -70.00 | 0.00572 | 60.00 | -80.00 | 0.00510 |
| 60.00 | -90.00 | 0.00458 | 60.00 | -100.00 | 0.00412 |

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

10:54:17
 **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 |
| 70.00 | 100.00 | 0.00090 | 70.00 | 90.00 | 0.00104 |
| 70.00 | 80.00 | 0.00123 | 70.00 | 70.00 | 0.00146 |
| 70.00 | 60.00 | 0.00175 | 70.00 | 50.00 | 0.00213 |
| 70.00 | 40.00 | 0.00262 | 70.00 | 30.00 | 0.00330 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|-------|--------|---------|-------|---------|---------|
| 70.00 | 25.00 | 0.00373 | 70.00 | 20.00 | 0.00424 |
| 70.00 | 17.00 | 0.00461 | 70.00 | 15.00 | 0.00489 |
| 70.00 | 13.00 | 0.00519 | 70.00 | 11.00 | 0.00555 |
| 70.00 | 9.00 | 0.00599 | 70.00 | -9.00 | 0.01182 |
| 70.00 | -11.00 | 0.01154 | 70.00 | -13.00 | 0.01128 |
| 70.00 | -15.00 | 0.01104 | 70.00 | -17.00 | 0.01080 |
| 70.00 | -20.00 | 0.01045 | 70.00 | -25.00 | 0.00987 |
| 70.00 | -30.00 | 0.00929 | 70.00 | -40.00 | 0.00822 |
| 70.00 | -50.00 | 0.00727 | 70.00 | -60.00 | 0.00644 |
| 70.00 | -70.00 | 0.00573 | 70.00 | -80.00 | 0.00512 |
| 70.00 | -90.00 | 0.00459 | 70.00 | -100.00 | 0.00414 |
| 80.00 | 100.00 | 0.00087 | 80.00 | 90.00 | 0.00102 |
| 80.00 | 80.00 | 0.00120 | 80.00 | 70.00 | 0.00143 |
| 80.00 | 60.00 | 0.00172 | 80.00 | 50.00 | 0.00210 |
| 80.00 | 40.00 | 0.00260 | 80.00 | 30.00 | 0.00327 |
| 80.00 | 25.00 | 0.00371 | 80.00 | 20.00 | 0.00422 |
| 80.00 | 17.00 | 0.00459 | 80.00 | 15.00 | 0.00487 |
| 80.00 | 13.00 | 0.00517 | 80.00 | 11.00 | 0.00553 |
| 80.00 | 9.00 | 0.00597 | 80.00 | -9.00 | 0.01181 |
| 80.00 | -11.00 | 0.01153 | 80.00 | -13.00 | 0.01127 |
| 80.00 | -15.00 | 0.01103 | 80.00 | -17.00 | 0.01079 |
| 80.00 | -20.00 | 0.01044 | 80.00 | -25.00 | 0.00986 |
| 80.00 | -30.00 | 0.00929 | 80.00 | -40.00 | 0.00822 |
| 80.00 | -50.00 | 0.00727 | 80.00 | -60.00 | 0.00644 |
| 80.00 | -70.00 | 0.00573 | 80.00 | -80.00 | 0.00512 |
| 80.00 | -90.00 | 0.00460 | 80.00 | -100.00 | 0.00416 |
| 90.00 | 100.00 | 0.00085 | 90.00 | 90.00 | 0.00099 |
| 90.00 | 80.00 | 0.00117 | 90.00 | 70.00 | 0.00140 |
| 90.00 | 60.00 | 0.00169 | 90.00 | 50.00 | 0.00207 |
| 90.00 | 40.00 | 0.00257 | 90.00 | 30.00 | 0.00325 |
| 90.00 | 25.00 | 0.00368 | 90.00 | 20.00 | 0.00420 |
| 90.00 | 17.00 | 0.00456 | 90.00 | 15.00 | 0.00484 |
| 90.00 | 13.00 | 0.00515 | 90.00 | 11.00 | 0.00551 |
| 90.00 | 9.00 | 0.00594 | 90.00 | -9.00 | 0.01181 |
| 90.00 | -11.00 | 0.01152 | 90.00 | -13.00 | 0.01126 |
| 90.00 | -15.00 | 0.01101 | 90.00 | -17.00 | 0.01078 |

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

10:54:17
 **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 ***

09NCRA PL94-300 DPM TRAV ANN E-W Bound
 ** CONC OF OTHER IN MICROGRAMS/M**3

**

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD (M) | CONC |
|-------------|-------------|---------|-------------|-------------|---------|
| 90.00 | -20.00 | 0.01043 | 90.00 | -25.00 | 0.00985 |
| 90.00 | -30.00 | 0.00928 | 90.00 | -40.00 | 0.00822 |
| 90.00 | -50.00 | 0.00727 | 90.00 | -60.00 | 0.00644 |
| 90.00 | -70.00 | 0.00573 | 90.00 | -80.00 | 0.00513 |
| 90.00 | -90.00 | 0.00461 | 90.00 | -100.00 | 0.00417 |
| 100.00 | 100.00 | 0.00082 | 100.00 | 90.00 | 0.00096 |
| 100.00 | 80.00 | 0.00114 | 100.00 | 70.00 | 0.00136 |
| 100.00 | 60.00 | 0.00165 | 100.00 | 50.00 | 0.00203 |
| 100.00 | 40.00 | 0.00253 | 100.00 | 30.00 | 0.00321 |
| 100.00 | 25.00 | 0.00365 | 100.00 | 20.00 | 0.00417 |
| 100.00 | 17.00 | 0.00454 | 100.00 | 15.00 | 0.00481 |
| 100.00 | 13.00 | 0.00512 | 100.00 | 11.00 | 0.00548 |
| 100.00 | 9.00 | 0.00591 | 100.00 | -9.00 | 0.01182 |
| 100.00 | -11.00 | 0.01151 | 100.00 | -13.00 | 0.01125 |
| 100.00 | -15.00 | 0.01100 | 100.00 | -17.00 | 0.01076 |
| 100.00 | -20.00 | 0.01041 | 100.00 | -25.00 | 0.00984 |
| 100.00 | -30.00 | 0.00927 | 100.00 | -40.00 | 0.00821 |
| 100.00 | -50.00 | 0.00726 | 100.00 | -60.00 | 0.00644 |
| 100.00 | -70.00 | 0.00573 | 100.00 | -80.00 | 0.00513 |
| 100.00 | -90.00 | 0.00461 | 100.00 | -100.00 | 0.00417 |
| 110.00 | 100.00 | 0.00079 | 110.00 | 90.00 | 0.00093 |
| 110.00 | 80.00 | 0.00110 | 110.00 | 70.00 | 0.00132 |
| 110.00 | 60.00 | 0.00161 | 110.00 | 50.00 | 0.00198 |
| 110.00 | 40.00 | 0.00248 | 110.00 | 30.00 | 0.00317 |
| 110.00 | 25.00 | 0.00360 | 110.00 | 20.00 | 0.00413 |
| 110.00 | 17.00 | 0.00450 | 110.00 | 15.00 | 0.00478 |
| 110.00 | 13.00 | 0.00509 | 110.00 | 11.00 | 0.00544 |
| 110.00 | 9.00 | 0.00587 | 110.00 | -9.00 | 0.01182 |
| 110.00 | -11.00 | 0.01149 | 110.00 | -13.00 | 0.01123 |
| 110.00 | -15.00 | 0.01099 | 110.00 | -17.00 | 0.01075 |
| 110.00 | -20.00 | 0.01039 | 110.00 | -25.00 | 0.00982 |
| 110.00 | -30.00 | 0.00926 | 110.00 | -40.00 | 0.00820 |
| 110.00 | -50.00 | 0.00725 | 110.00 | -60.00 | 0.00643 |
| 110.00 | -70.00 | 0.00573 | 110.00 | -80.00 | 0.00513 |
| 110.00 | -90.00 | 0.00462 | 110.00 | -100.00 | 0.00418 |
| 120.00 | 100.00 | 0.00075 | 120.00 | 90.00 | 0.00089 |
| 120.00 | 80.00 | 0.00106 | 120.00 | 70.00 | 0.00128 |
| 120.00 | 60.00 | 0.00156 | 120.00 | 50.00 | 0.00193 |
| 120.00 | 40.00 | 0.00243 | 120.00 | 30.00 | 0.00311 |
| 120.00 | 25.00 | 0.00356 | 120.00 | 20.00 | 0.00408 |

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

*** NCRA Cumulative DPM Impacts

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 |
| 120.00 | 17.00 | 0.00446 | 120.00 | 15.00 | 0.00473 |
| 120.00 | 13.00 | 0.00505 | 120.00 | 11.00 | 0.00540 |
| 120.00 | 9.00 | 0.00583 | 120.00 | -9.00 | 0.01181 |
| 120.00 | -11.00 | 0.01147 | 120.00 | -13.00 | 0.01120 |
| 120.00 | -15.00 | 0.01097 | 120.00 | -17.00 | 0.01073 |
| 120.00 | -20.00 | 0.01037 | 120.00 | -25.00 | 0.00979 |
| 120.00 | -30.00 | 0.00923 | 120.00 | -40.00 | 0.00818 |
| 120.00 | -50.00 | 0.00723 | 120.00 | -60.00 | 0.00641 |
| 120.00 | -70.00 | 0.00572 | 120.00 | -80.00 | 0.00512 |
| 120.00 | -90.00 | 0.00461 | 120.00 | -100.00 | 0.00418 |
| 130.00 | 100.00 | 0.00072 | 130.00 | 90.00 | 0.00085 |
| 130.00 | 80.00 | 0.00101 | 130.00 | 70.00 | 0.00123 |
| 130.00 | 60.00 | 0.00150 | 130.00 | 50.00 | 0.00187 |
| 130.00 | 40.00 | 0.00236 | 130.00 | 30.00 | 0.00305 |
| 130.00 | 25.00 | 0.00349 | 130.00 | 20.00 | 0.00402 |
| 130.00 | 17.00 | 0.00440 | 130.00 | 15.00 | 0.00468 |
| 130.00 | 13.00 | 0.00499 | 130.00 | 11.00 | 0.00536 |
| 130.00 | 9.00 | 0.00579 | 130.00 | -9.00 | 0.01180 |
| 130.00 | -11.00 | 0.01147 | 130.00 | -13.00 | 0.01117 |
| 130.00 | -15.00 | 0.01093 | 130.00 | -17.00 | 0.01070 |
| 130.00 | -20.00 | 0.01035 | 130.00 | -25.00 | 0.00977 |
| 130.00 | -30.00 | 0.00920 | 130.00 | -40.00 | 0.00815 |
| 130.00 | -50.00 | 0.00721 | 130.00 | -60.00 | 0.00639 |
| 130.00 | -70.00 | 0.00570 | 130.00 | -80.00 | 0.00511 |
| 130.00 | -90.00 | 0.00461 | 130.00 | -100.00 | 0.00418 |
| 140.00 | 100.00 | 0.00068 | 140.00 | 90.00 | 0.00080 |
| 140.00 | 80.00 | 0.00096 | 140.00 | 70.00 | 0.00117 |
| 140.00 | 60.00 | 0.00144 | 140.00 | 50.00 | 0.00180 |
| 140.00 | 40.00 | 0.00229 | 140.00 | 30.00 | 0.00297 |
| 140.00 | 25.00 | 0.00341 | 140.00 | 20.00 | 0.00395 |
| 140.00 | 17.00 | 0.00432 | 140.00 | 15.00 | 0.00460 |
| 140.00 | 13.00 | 0.00492 | 140.00 | 11.00 | 0.00530 |
| 140.00 | 9.00 | 0.00574 | 140.00 | -9.00 | 0.01171 |
| 140.00 | -11.00 | 0.01144 | 140.00 | -13.00 | 0.01116 |
| 140.00 | -15.00 | 0.01089 | 140.00 | -17.00 | 0.01066 |
| 140.00 | -20.00 | 0.01032 | 140.00 | -25.00 | 0.00974 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 140.00 | -30.00 | 0.00917 | 140.00 | -40.00 | 0.00811 |
| 140.00 | -50.00 | 0.00718 | 140.00 | -60.00 | 0.00637 |
| 140.00 | -70.00 | 0.00568 | 140.00 | -80.00 | 0.00510 |
| 140.00 | -90.00 | 0.00460 | 140.00 | -100.00 | 0.00417 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 150.00 | 100.00 | 0.00063 | 150.00 | 90.00 | 0.00075 |
| 150.00 | 80.00 | 0.00091 | 150.00 | 70.00 | 0.00110 |
| 150.00 | 60.00 | 0.00137 | 150.00 | 50.00 | 0.00172 |
| 150.00 | 40.00 | 0.00220 | 150.00 | 30.00 | 0.00287 |
| 150.00 | 25.00 | 0.00331 | 150.00 | 20.00 | 0.00386 |
| 150.00 | 17.00 | 0.00424 | 150.00 | 15.00 | 0.00452 |
| 150.00 | 13.00 | 0.00484 | 150.00 | 11.00 | 0.00521 |
| 150.00 | 9.00 | 0.00566 | 150.00 | -9.00 | 0.01159 |
| 150.00 | -11.00 | 0.01133 | 150.00 | -13.00 | 0.01109 |
| 150.00 | -15.00 | 0.01086 | 150.00 | -17.00 | 0.01063 |
| 150.00 | -20.00 | 0.01028 | 150.00 | -25.00 | 0.00970 |
| 150.00 | -30.00 | 0.00912 | 150.00 | -40.00 | 0.00807 |
| 150.00 | -50.00 | 0.00714 | 150.00 | -60.00 | 0.00634 |
| 150.00 | -70.00 | 0.00566 | 150.00 | -80.00 | 0.00508 |
| 150.00 | -90.00 | 0.00459 | 150.00 | -100.00 | 0.00416 |
| 160.00 | 100.00 | 0.00059 | 160.00 | 90.00 | 0.00070 |
| 160.00 | 80.00 | 0.00084 | 160.00 | 70.00 | 0.00103 |
| 160.00 | 60.00 | 0.00128 | 160.00 | 50.00 | 0.00162 |
| 160.00 | 40.00 | 0.00209 | 160.00 | 30.00 | 0.00275 |
| 160.00 | 25.00 | 0.00319 | 160.00 | 20.00 | 0.00373 |
| 160.00 | 17.00 | 0.00412 | 160.00 | 15.00 | 0.00441 |
| 160.00 | 13.00 | 0.00473 | 160.00 | 11.00 | 0.00510 |
| 160.00 | 9.00 | 0.00555 | 160.00 | -9.00 | 0.01153 |
| 160.00 | -11.00 | 0.01126 | 160.00 | -13.00 | 0.01101 |
| 160.00 | -15.00 | 0.01078 | 160.00 | -17.00 | 0.01055 |
| 160.00 | -20.00 | 0.01021 | 160.00 | -25.00 | 0.00964 |
| 160.00 | -30.00 | 0.00908 | 160.00 | -40.00 | 0.00803 |
| 160.00 | -50.00 | 0.00710 | 160.00 | -60.00 | 0.00631 |
| 160.00 | -70.00 | 0.00563 | 160.00 | -80.00 | 0.00506 |
| 160.00 | -90.00 | 0.00457 | 160.00 | -100.00 | 0.00415 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|--------|---------|
| 170.00 | 100.00 | 0.00055 | 170.00 | 90.00 | 0.00065 |
| 170.00 | 80.00 | 0.00078 | 170.00 | 70.00 | 0.00095 |
| 170.00 | 60.00 | 0.00119 | 170.00 | 50.00 | 0.00151 |
| 170.00 | 40.00 | 0.00196 | 170.00 | 30.00 | 0.00261 |
| 170.00 | 25.00 | 0.00305 | 170.00 | 20.00 | 0.00358 |
| 170.00 | 17.00 | 0.00397 | 170.00 | 15.00 | 0.00426 |
| 170.00 | 13.00 | 0.00459 | 170.00 | 11.00 | 0.00496 |
| 170.00 | 9.00 | 0.00542 | 170.00 | -9.00 | 0.01144 |
| 170.00 | -11.00 | 0.01118 | 170.00 | -13.00 | 0.01093 |
| 170.00 | -15.00 | 0.01070 | 170.00 | -17.00 | 0.01047 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17

**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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 170.00 | -20.00 | 0.01013 | 170.00 | -25.00 | 0.00956 |
| 170.00 | -30.00 | 0.00900 | 170.00 | -40.00 | 0.00796 |
| 170.00 | -50.00 | 0.00705 | 170.00 | -60.00 | 0.00627 |
| 170.00 | -70.00 | 0.00560 | 170.00 | -80.00 | 0.00504 |
| 170.00 | -90.00 | 0.00455 | 170.00 | -100.00 | 0.00413 |
| 180.00 | 100.00 | 0.00051 | 180.00 | 90.00 | 0.00060 |
| 180.00 | 80.00 | 0.00071 | 180.00 | 70.00 | 0.00087 |
| 180.00 | 60.00 | 0.00108 | 180.00 | 50.00 | 0.00138 |
| 180.00 | 40.00 | 0.00181 | 180.00 | 30.00 | 0.00244 |
| 180.00 | 25.00 | 0.00286 | 180.00 | 20.00 | 0.00339 |
| 180.00 | 17.00 | 0.00377 | 180.00 | 15.00 | 0.00407 |
| 180.00 | 13.00 | 0.00440 | 180.00 | 11.00 | 0.00478 |
| 180.00 | 9.00 | 0.00524 | 180.00 | -9.00 | 0.01135 |
| 180.00 | -11.00 | 0.01108 | 180.00 | -13.00 | 0.01083 |
| 180.00 | -15.00 | 0.01060 | 180.00 | -17.00 | 0.01037 |
| 180.00 | -20.00 | 0.01003 | 180.00 | -25.00 | 0.00947 |
| 180.00 | -30.00 | 0.00892 | 180.00 | -40.00 | 0.00789 |
| 180.00 | -50.00 | 0.00700 | 180.00 | -60.00 | 0.00622 |
| 180.00 | -70.00 | 0.00556 | 180.00 | -80.00 | 0.00500 |
| 180.00 | -90.00 | 0.00452 | 180.00 | -100.00 | 0.00411 |
| 190.00 | 100.00 | 0.00047 | 190.00 | 90.00 | 0.00055 |
| 190.00 | 80.00 | 0.00065 | 190.00 | 70.00 | 0.00079 |
| 190.00 | 60.00 | 0.00097 | 190.00 | 50.00 | 0.00124 |
| 190.00 | 40.00 | 0.00163 | 190.00 | 30.00 | 0.00222 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 190.00 | 25.00 | 0.00263 | 190.00 | 20.00 | 0.00315 |
| 190.00 | 17.00 | 0.00353 | 190.00 | 15.00 | 0.00382 |
| 190.00 | 13.00 | 0.00415 | 190.00 | 11.00 | 0.00454 |
| 190.00 | 9.00 | 0.00500 | 190.00 | -9.00 | 0.01125 |
| 190.00 | -11.00 | 0.01096 | 190.00 | -13.00 | 0.01072 |
| 190.00 | -15.00 | 0.01048 | 190.00 | -17.00 | 0.01025 |
| 190.00 | -20.00 | 0.00991 | 190.00 | -25.00 | 0.00936 |
| 190.00 | -30.00 | 0.00882 | 190.00 | -40.00 | 0.00782 |
| 190.00 | -50.00 | 0.00693 | 190.00 | -60.00 | 0.00617 |
| 190.00 | -70.00 | 0.00551 | 190.00 | -80.00 | 0.00496 |
| 190.00 | -90.00 | 0.00448 | 190.00 | -100.00 | 0.00407 |
| 200.00 | 100.00 | 0.00044 | 200.00 | 90.00 | 0.00051 |
| 200.00 | 80.00 | 0.00060 | 200.00 | 70.00 | 0.00072 |
| 200.00 | 60.00 | 0.00088 | 200.00 | 50.00 | 0.00110 |
| 200.00 | 40.00 | 0.00143 | 200.00 | 30.00 | 0.00196 |
| 200.00 | 25.00 | 0.00234 | 200.00 | 20.00 | 0.00284 |

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

*** Maximum train overlap at East/West Bound Direction ***

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 200.00 | 17.00 | 0.00321 | 200.00 | 15.00 | 0.00350 |
| 200.00 | 13.00 | 0.00382 | 200.00 | 11.00 | 0.00421 |
| 200.00 | 9.00 | 0.00468 | 200.00 | -9.00 | 0.01111 |
| 200.00 | -11.00 | 0.01081 | 200.00 | -13.00 | 0.01057 |
| 200.00 | -15.00 | 0.01034 | 200.00 | -17.00 | 0.01011 |
| 200.00 | -20.00 | 0.00977 | 200.00 | -25.00 | 0.00923 |
| 200.00 | -30.00 | 0.00871 | 200.00 | -40.00 | 0.00772 |
| 200.00 | -50.00 | 0.00685 | 200.00 | -60.00 | 0.00609 |
| 200.00 | -70.00 | 0.00545 | 200.00 | -80.00 | 0.00490 |
| 200.00 | -90.00 | 0.00443 | 200.00 | -100.00 | 0.00403 |
| 210.00 | 100.00 | 0.00041 | 210.00 | 90.00 | 0.00048 |
| 210.00 | 80.00 | 0.00056 | 210.00 | 70.00 | 0.00066 |
| 210.00 | 60.00 | 0.00080 | 210.00 | 50.00 | 0.00098 |
| 210.00 | 40.00 | 0.00126 | 210.00 | 30.00 | 0.00169 |
| 210.00 | 25.00 | 0.00201 | 210.00 | 20.00 | 0.00245 |
| 210.00 | 17.00 | 0.00279 | 210.00 | 15.00 | 0.00306 |
| 210.00 | 13.00 | 0.00338 | 210.00 | 11.00 | 0.00376 |
| 210.00 | 9.00 | 0.00423 | 210.00 | -9.00 | 0.01093 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 210.00 | -11.00 | 0.01062 | 210.00 | -13.00 | 0.01038 |
| 210.00 | -15.00 | 0.01016 | 210.00 | -17.00 | 0.00995 |
| 210.00 | -20.00 | 0.00962 | 210.00 | -25.00 | 0.00908 |
| 210.00 | -30.00 | 0.00857 | 210.00 | -40.00 | 0.00760 |
| 210.00 | -50.00 | 0.00674 | 210.00 | -60.00 | 0.00600 |
| 210.00 | -70.00 | 0.00537 | 210.00 | -80.00 | 0.00483 |
| 210.00 | -90.00 | 0.00438 | 210.00 | -100.00 | 0.00399 |
| 220.00 | 100.00 | 0.00039 | 220.00 | 90.00 | 0.00045 |
| 220.00 | 80.00 | 0.00052 | 220.00 | 70.00 | 0.00062 |
| 220.00 | 60.00 | 0.00074 | 220.00 | 50.00 | 0.00090 |
| 220.00 | 40.00 | 0.00113 | 220.00 | 30.00 | 0.00149 |
| 220.00 | 25.00 | 0.00174 | 220.00 | 20.00 | 0.00209 |
| 220.00 | 17.00 | 0.00235 | 220.00 | 15.00 | 0.00257 |
| 220.00 | 13.00 | 0.00283 | 220.00 | 11.00 | 0.00316 |
| 220.00 | 9.00 | 0.00357 | 220.00 | -9.00 | 0.01068 |
| 220.00 | -11.00 | 0.01040 | 220.00 | -13.00 | 0.01013 |
| 220.00 | -15.00 | 0.00993 | 220.00 | -17.00 | 0.00972 |
| 220.00 | -20.00 | 0.00941 | 220.00 | -25.00 | 0.00888 |
| 220.00 | -30.00 | 0.00837 | 220.00 | -40.00 | 0.00742 |
| 220.00 | -50.00 | 0.00659 | 220.00 | -60.00 | 0.00587 |
| 220.00 | -70.00 | 0.00526 | 220.00 | -80.00 | 0.00474 |
| 220.00 | -90.00 | 0.00430 | 220.00 | -100.00 | 0.00392 |

1 *** ISCST3 - VERSION 02035 *** *** NCRA Cumulative DPM Impacts ***
 04/20/08
 10:54:17 *** Maximum train overlap at East/West Bound Direction ***

**MODELOPTs:
 PAGE 141

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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 230.00 | 100.00 | 0.00037 | 230.00 | 90.00 | 0.00043 |
| 230.00 | 80.00 | 0.00050 | 230.00 | 70.00 | 0.00058 |
| 230.00 | 60.00 | 0.00069 | 230.00 | 50.00 | 0.00084 |
| 230.00 | 40.00 | 0.00105 | 230.00 | 30.00 | 0.00137 |
| 230.00 | 25.00 | 0.00160 | 230.00 | 20.00 | 0.00190 |
| 230.00 | 17.00 | 0.00214 | 230.00 | 15.00 | 0.00233 |
| 230.00 | 13.00 | 0.00255 | 230.00 | 11.00 | 0.00282 |
| 230.00 | 9.00 | 0.00316 | 230.00 | -9.00 | 0.00951 |
| 230.00 | -11.00 | 0.00952 | 230.00 | -13.00 | 0.00942 |
| 230.00 | -15.00 | 0.00927 | 230.00 | -17.00 | 0.00913 |
| 230.00 | -20.00 | 0.00888 | 230.00 | -25.00 | 0.00843 |
| 230.00 | -30.00 | 0.00797 | 230.00 | -40.00 | 0.00711 |

09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound

| | | | | | |
|--------|--------|---------|--------|---------|---------|
| 230.00 | -50.00 | 0.00634 | 230.00 | -60.00 | 0.00567 |
| 230.00 | -70.00 | 0.00510 | 230.00 | -80.00 | 0.00461 |
| 230.00 | -90.00 | 0.00419 | 230.00 | -100.00 | 0.00383 |
| 240.00 | 100.00 | 0.00036 | 240.00 | 90.00 | 0.00041 |
| 240.00 | 80.00 | 0.00047 | 240.00 | 70.00 | 0.00055 |
| 240.00 | 60.00 | 0.00066 | 240.00 | 50.00 | 0.00080 |
| 240.00 | 40.00 | 0.00099 | 240.00 | 30.00 | 0.00128 |
| 240.00 | 25.00 | 0.00149 | 240.00 | 20.00 | 0.00176 |
| 240.00 | 17.00 | 0.00197 | 240.00 | 15.00 | 0.00215 |
| 240.00 | 13.00 | 0.00235 | 240.00 | 11.00 | 0.00259 |
| 240.00 | 9.00 | 0.00287 | 240.00 | -9.00 | 0.00683 |
| 240.00 | -11.00 | 0.00714 | 240.00 | -13.00 | 0.00738 |
| 240.00 | -15.00 | 0.00754 | 240.00 | -17.00 | 0.00763 |
| 240.00 | -20.00 | 0.00766 | 240.00 | -25.00 | 0.00752 |
| 240.00 | -30.00 | 0.00726 | 240.00 | -40.00 | 0.00663 |
| 240.00 | -50.00 | 0.00599 | 240.00 | -60.00 | 0.00540 |
| 240.00 | -70.00 | 0.00489 | 240.00 | -80.00 | 0.00444 |
| 240.00 | -90.00 | 0.00405 | 240.00 | -100.00 | 0.00372 |
| 250.00 | 100.00 | 0.00035 | 250.00 | 90.00 | 0.00040 |
| 250.00 | 80.00 | 0.00046 | 250.00 | 70.00 | 0.00053 |
| 250.00 | 60.00 | 0.00063 | 250.00 | 50.00 | 0.00075 |
| 250.00 | 40.00 | 0.00093 | 250.00 | 30.00 | 0.00120 |
| 250.00 | 25.00 | 0.00138 | 250.00 | 20.00 | 0.00163 |
| 250.00 | 17.00 | 0.00182 | 250.00 | 15.00 | 0.00196 |
| 250.00 | 13.00 | 0.00212 | 250.00 | 11.00 | 0.00230 |
| 250.00 | 9.00 | 0.00251 | 250.00 | -9.00 | 0.00498 |
| 250.00 | -11.00 | 0.00523 | 250.00 | -13.00 | 0.00547 |
| 250.00 | -15.00 | 0.00567 | 250.00 | -17.00 | 0.00584 |

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

10:54:17
 **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 |
|-------------|-------------|---------|-------------|-------------|---------|
| 250.00 | -20.00 | 0.00604 | 250.00 | -25.00 | 0.00620 |
| 250.00 | -30.00 | 0.00620 | 250.00 | -40.00 | 0.00594 |
| 250.00 | -50.00 | 0.00551 | 250.00 | -60.00 | 0.00506 |
| 250.00 | -70.00 | 0.00463 | 250.00 | -80.00 | 0.00424 |
| 250.00 | -90.00 | 0.00389 | 250.00 | -100.00 | 0.00359 |

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

04/20/08

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 | 0.00919 AT (210.00, -9.00, 0.00, 1.20) | DC | NA |
| | 2ND HIGHEST VALUE IS | 0.00918 AT (220.00, -9.00, 0.00, 1.20) | DC | NA |
| | 3RD HIGHEST VALUE IS | 0.00909 AT (200.00, -9.00, 0.00, 1.20) | DC | NA |
| | 4TH HIGHEST VALUE IS | 0.00885 AT (220.00, -11.00, 0.00, 1.20) | DC | NA |
| | 5TH HIGHEST VALUE IS | 0.00884 AT (190.00, -9.00, 0.00, 1.20) | DC | NA |
| | 6TH HIGHEST VALUE IS | 0.00883 AT (210.00, -11.00, 0.00, 1.20) | DC | NA |
| | 7TH HIGHEST VALUE IS | 0.00871 AT (200.00, -11.00, 0.00, 1.20) | DC | NA |
| | 8TH HIGHEST VALUE IS | 0.00854 AT (220.00, -13.00, 0.00, 1.20) | DC | NA |
| | 9TH HIGHEST VALUE IS | 0.00853 AT (210.00, -13.00, 0.00, 1.20) | DC | NA |
| | 10TH HIGHEST VALUE IS | 0.00845 AT (190.00, -11.00, 0.00, 1.20) | DC | NA |
| NCRA_S2 | 1ST HIGHEST VALUE IS | 0.00919 AT (120.00, -9.00, 0.00, 1.20) | DC | NA |
| | 2ND HIGHEST VALUE IS | 0.00918 AT (130.00, -9.00, 0.00, 1.20) | DC | NA |
| | 3RD HIGHEST VALUE IS | 0.00909 AT (110.00, -9.00, 0.00, 1.20) | DC | NA |
| | 4TH HIGHEST VALUE IS | 0.00885 AT (130.00, -11.00, 0.00, 1.20) | DC | NA |
| | 5TH HIGHEST VALUE IS | 0.00884 AT (100.00, -9.00, 0.00, 1.20) | DC | NA |
| | 6TH HIGHEST VALUE IS | 0.00883 AT (120.00, -11.00, 0.00, 1.20) | DC | NA |
| | 7TH HIGHEST VALUE IS | 0.00871 AT (110.00, -11.00, 0.00, 1.20) | DC | NA |
| | 8TH HIGHEST VALUE IS | 0.00854 AT (130.00, -13.00, 0.00, 1.20) | DC | NA |
| | 9TH HIGHEST VALUE IS | 0.00853 AT (120.00, -13.00, 0.00, 1.20) | DC | NA |
| | 10TH HIGHEST VALUE IS | 0.00845 AT (100.00, -11.00, 0.00, 1.20) | DC | NA |
| NCRA_S3 | 1ST HIGHEST VALUE IS | 0.00919 AT (30.00, -9.00, 0.00, 1.20) | DC | NA |
| | 2ND HIGHEST VALUE IS | 0.00918 AT (40.00, -9.00, 0.00, 1.20) | DC | NA |
| | 3RD HIGHEST VALUE IS | 0.00909 AT (20.00, -9.00, 0.00, 1.20) | DC | NA |
| | 4TH HIGHEST VALUE IS | 0.00885 AT (40.00, -11.00, 0.00, 1.20) | DC | NA |
| | 5TH HIGHEST VALUE IS | 0.00884 AT (10.00, -9.00, 0.00, 1.20) | DC | NA |
| | 6TH HIGHEST VALUE IS | 0.00883 AT (30.00, -11.00, 0.00, 1.20) | DC | NA |
| | 7TH HIGHEST VALUE IS | 0.00871 AT (20.00, -11.00, 0.00, 1.20) | DC | NA |
| | 8TH HIGHEST VALUE IS | 0.00854 AT (40.00, -13.00, 0.00, 1.20) | DC | NA |
| | 9TH HIGHEST VALUE IS | 0.00853 AT (30.00, -13.00, 0.00, 1.20) | DC | NA |
| | 10TH HIGHEST VALUE IS | 0.00845 AT (10.00, -11.00, 0.00, 1.20) | DC | NA |

1 *** ISCST3 - VERSION 02035 ***

*** NCRA Cumulative DPM Impacts

04/20/08

*** Maximum train overlap at East/West Bound Direction

10:54:17

**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 | 0.00919 AT (-60.00, -9.00, 0.00, 1.20) | DC | NA |
| | 2ND HIGHEST VALUE IS | 0.00918 AT (-50.00, -9.00, 0.00, 1.20) | DC | NA |
| | 3RD HIGHEST VALUE IS | 0.00909 AT (-70.00, -9.00, 0.00, 1.20) | DC | NA |
| | 4TH HIGHEST VALUE IS | 0.00885 AT (-50.00, -11.00, 0.00, 1.20) | DC | NA |
| | 5TH HIGHEST VALUE IS | 0.00884 AT (-80.00, -9.00, 0.00, 1.20) | DC | NA |
| | 6TH HIGHEST VALUE IS | 0.00883 AT (-60.00, -11.00, 0.00, 1.20) | DC | NA |
| | 7TH HIGHEST VALUE IS | 0.00871 AT (-70.00, -11.00, 0.00, 1.20) | DC | NA |
| | 8TH HIGHEST VALUE IS | 0.00854 AT (-50.00, -13.00, 0.00, 1.20) | DC | NA |
| | 9TH HIGHEST VALUE IS | 0.00853 AT (-60.00, -13.00, 0.00, 1.20) | DC | NA |
| | 10TH HIGHEST VALUE IS | 0.00845 AT (-80.00, -11.00, 0.00, 1.20) | DC | NA |
| NCRA_S5 | 1ST HIGHEST VALUE IS | 0.00919 AT (-150.00, -9.00, 0.00, 1.20) | DC | NA |
| | 2ND HIGHEST VALUE IS | 0.00918 AT (-140.00, -9.00, 0.00, 1.20) | DC | NA |
| | 3RD HIGHEST VALUE IS | 0.00909 AT (-160.00, -9.00, 0.00, 1.20) | DC | NA |
| | 4TH HIGHEST VALUE IS | 0.00885 AT (-140.00, -11.00, 0.00, 1.20) | DC | NA |
| | 5TH HIGHEST VALUE IS | 0.00884 AT (-170.00, -9.00, 0.00, 1.20) | DC | NA |
| | 6TH HIGHEST VALUE IS | 0.00883 AT (-150.00, -11.00, 0.00, 1.20) | DC | NA |
| | 7TH HIGHEST VALUE IS | 0.00871 AT (-160.00, -11.00, 0.00, 1.20) | DC | NA |
| | 8TH HIGHEST VALUE IS | 0.00854 AT (-140.00, -13.00, 0.00, 1.20) | DC | NA |

| | | 09NCRA_PL94-300_DPM_TRAV_ANN_E-W Bound | | | | | | | | |
|-----|-----------------------|--|------|----------|---------|-------|-------|----|----|--|
| | 9TH HIGHEST VALUE IS | 0.00853 | AT (| -150.00, | -13.00, | 0.00, | 1.20) | DC | NA | |
| | 10TH HIGHEST VALUE IS | 0.00845 | AT (| -170.00, | -11.00, | 0.00, | 1.20) | DC | NA | |
| ALL | 1ST HIGHEST VALUE IS | 0.01193 | AT (| 40.00, | -9.00, | 0.00, | 1.20) | DC | NA | |
| | 2ND HIGHEST VALUE IS | 0.01189 | AT (| 30.00, | -9.00, | 0.00, | 1.20) | DC | NA | |
| | 3RD HIGHEST VALUE IS | 0.01189 | AT (| 50.00, | -9.00, | 0.00, | 1.20) | DC | NA | |
| | 4TH HIGHEST VALUE IS | 0.01187 | AT (| 20.00, | -9.00, | 0.00, | 1.20) | DC | NA | |
| | 5TH HIGHEST VALUE IS | 0.01183 | AT (| 10.00, | -9.00, | 0.00, | 1.20) | DC | NA | |
| | 6TH HIGHEST VALUE IS | 0.01182 | AT (| 100.00, | -9.00, | 0.00, | 1.20) | DC | NA | |
| | 7TH HIGHEST VALUE IS | 0.01182 | AT (| 70.00, | -9.00, | 0.00, | 1.20) | DC | NA | |
| | 8TH HIGHEST VALUE IS | 0.01182 | AT (| 60.00, | -9.00, | 0.00, | 1.20) | DC | NA | |
| | 9TH HIGHEST VALUE IS | 0.01182 | AT (| 110.00, | -9.00, | 0.00, | 1.20) | DC | NA | |
| | 10TH HIGHEST VALUE IS | 0.01181 | AT (| 80.00, | -9.00, | 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 East/West Bound Direction ***

10:54:17

**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 10 Informational Message(s)
 A Total of 10 Calm Hours Identified

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

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

 *** ISCST3 Finishes Successfully ***
