Appendix 4A

(Updated 9/28/2007)

Documentation of Mobile Source Emissions Modeling

NONROAD2005 Input Files
and
MOBILE6.2 Input Files
for
Greater Connecticut and Southwest Connecticut
Emission Estimates
2002, 2008, 2009, 2012

Greater Connecticut 2002 NONROAD2005 Input

```
Written by Nonroad interface at 2/7/2007 9:22:27 AM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information.  Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

9/2005 epa: Add growth & tech years to OPTIONS packet
  and Counties & Retrofit files to RUNFILES packet.

-----------------------------------------------------

                  PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated.  The order of the
records matter.  The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

1  - Char 10  - Period type for this simulation.
                  Valid responses are: ANNUAL, SEASONAL, and MONTHLY
2  - Char 10  - Type of inventory produced.
                  Valid responses are: TYPICAL DAY and PERIOD TOTAL
3  - Integer  - year of episode (4 digit year)
4  - Char 10  - Month of episode (use complete name of month)
5  - Char 10  - Type of day
                  Valid responses are: WEEKDAY and WEEKEND
-----------------------------------------------------
/PERIOD/
Period type        : Seasonal
Summation type     : Typical day
Year of episode    : 2002
Season of year     : Summer
Month of year      :
Weekday or weekend : Weekday
Year of growth calc:
Year of tech sel   :
/END/

-----------------------------------------------------

                  OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model.  Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

1  -  Char 80  - First title on reports
2  -  Char 80  - Second title on reports
3  -  Real 10  - Fuel RVP of gasoline for this simulation
4  -  Real 10  - Oxygen weight percent of gasoline for simulation
5  -  Real 10  - Percent sulfur for gasoline
6  -  Real 10  - Percent sulfur for diesel
7  -  Real 10  - Percent sulfur for LPG/CNG
8  -  Real 10  - Minimum daily temperature (deg. F)
9  -  Real 10  - maximum daily temperature (deg. F)
```

```
10 -  Real 10  - Representative average daily temperature (deg. F)
11 -  Char 10  - Flag to determine if region is high altitude
                      Valid responses are: HIGH and LOW
12 -  Char 10  - Flag to determine if RFG adjustments are made
                      Valid responses are: YES and NO
-----------------------------------------------------
/OPTIONS/
Title 1            : TEST 2002 PEI FOR GrCT OZONE (MARINE S?)
Title 2            : FEB 7, 2007
Fuel RVP for gas   : 6.86
Oxygen Weight %    : 2.1
Gas sulfur %       : 0.0106
Diesel sulfur %    : 0.2318
Marine Dsl sulfur %: 0.2637
CNG/LPG sulfur %   : 0.003
Minimum temper. (F): 67.7
Maximum temper. (F): 95.5
Average temper. (F): 86.2
Altitude of region : LOW
/END/

-----------------------------------------------------
                  REGION PACKET

This is the packet that defines the region for which
emissions are to be estimated.

The first record tells the type of region and
allocation to perform.

Valid responses are:
US TOTAL   -  emissions are for entire USA without state
              breakout.

50STATE    -  emissions are for all 50 states
              and Washington D.C., by state.

STATE      -  emissions are for a select group of states
              and are state-level estimates

COUNTY     -  emissions are for a select group of counties
              and are county level estimates.  If necessary,
              allocation from state to county will be performed.

SUBCOUNTY  -  emissions are for the specified sub counties
              and are subcounty level estimates.  If necessary,
              county to subcounty allocation will be performed.

The remaining records define the regions to be included.
The type of data which must be specified depends on the
region level.

US TOTAL   -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

50STATE    -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

STATE      -  state FIPS codes

COUNTY     -  state or county FIPS codes.  State FIPS
```

```
              code means include all counties in the
              state.

SUBCOUNTY  -  county FIPS code and subregion code.
-----------------------------------------------------
/REGION/
Region Level       : COUNTY
Hartford County CT : 09003
Litchfield Count CT: 09005
New London Count CT: 09011
Tolland County CT  : 09013
Windham County CT  : 09015
/END/

or use -
Region Level       : STATE
Michigan           : 26000
-----------------------------------------------------

                  SOURCE CATEGORY PACKET

This packet is used to tell the model which source
categories are to be processed.  It is optional.
If used, only those source categories list will
appear in the output data file.  If the packet is
not found, the model will process all source
categories in the population files.
-----------------------------------------------------


Diesel Only -
                   :2270000000
                   :2282020000
                   :2285002015
Spark Ignition Only -
                   :2260000000
                   :2265000000
                   :2267000000
                   :2268000000
                   :2282005010
                   :2282005015
                   :2282010005
                   :2285004015
                   :2285006015
-----------------------------------------------------
 This is the packet that lists the names of output files
 and some of the input data files read by the model.  If
 a drive:\path\ is not given, the location of the
 NONROAD.EXE file itself is assumed.  You will probably
 want to change the names of the Output and Message files
 to match that of the OPTion file, e.g., MICH-97.OPT,
 MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----------------------------------------------------
/RUNFILES/
ALLOC XREF         : data\allocate\allocate.xrf
ACTIVITY           : data\activity\activity.dat
EXH TECHNOLOGY     : data\tech\tech-exh.dat
EVP TECHNOLOGY     : data\tech\tech-evp.dat
SEASONALITY        : data\season\season.dat
REGIONS            : data\season\season.dat
MESSAGE            : c:\nonroad\ctpei02\peigr02.msg
```

```
OUTPUT DATA        : c:\nonroad\ctpei02\peigr02.out
EPS2 AMS           :
US COUNTIES FIPS   : data\allocate\fips.dat
RETROFIT           :
/END/

-----------------------------------------------------
This is the packet that defines the equipment population
files read by the model.
-----------------------------------------------------
/POP FILES/
Population File    : c:\nonroad\data\pop\ct.pop
/END/

POPULATION FILE    : c:\nonroad\data\POP\MI.POP


-----------------------------------------------------
This is the packet that defines the growth files
files read by the model.
-----------------------------------------------------
/GROWTH FILES/
National defaults  : data\growth\nation.grw
/END/


/ALLOC FILES/
Air trans. empl.   :c:\nonroad\data\allocate\ct_airtr.alo
Undergrnd coal prod:c:\nonroad\data\allocate\ct_coal.alo
Construction cost  :c:\nonroad\data\allocate\ct_const.alo
Harvested acres    :c:\nonroad\data\allocate\ct_farms.alo
Golf course estab. :c:\nonroad\data\allocate\ct_golf.alo
Wholesale estab.   :c:\nonroad\data\allocate\ct_holsl.alo
Family housing     :c:\nonroad\data\allocate\ct_house.alo
Logging employees  :c:\nonroad\data\allocate\ct_loggn.alo
Landscaping empl.  :c:\nonroad\data\allocate\ct_lscap.alo
Manufacturing empl.:c:\nonroad\data\allocate\ct_mnfg.alo
Oil & gas employees:c:\nonroad\data\allocate\ct_oil.alo
Census population  :c:\nonroad\data\allocate\ct_pop.alo
Allocation File    :c:\nonroad\data\allocate\ct_rail.alo
RV Park establish. :c:\nonroad\data\allocate\ct_rvprk.alo
Snowblowers comm.  :c:\nonroad\data\allocate\ct_sbc.alo
Snowblowers res.   :c:\nonroad\data\allocate\ct_sbr.alo
Snowmobiles        :c:\nonroad\data\allocate\ct_snowm.alo
Rec marine inboard :c:\nonroad\data\allocate\ct_wib.alo
Rec marine outboard:c:\nonroad\data\allocate\ct_wob.alo
/END/
-----------------------------------------------------
This is the packet that defines the emssions factors
files read by the model.
-----------------------------------------------------
/EMFAC FILES/
THC exhaust        : data\emsfac\exhthc.emf
CO exhaust         : data\emsfac\exhco.emf
NOX exhaust        : data\emsfac\exhnox.emf
PM exhaust         : data\emsfac\exhpm.emf
BSFC               : data\emsfac\bsfc.emf
Crankcase          : data\emsfac\crank.emf
Spillage           : data\emsfac\spillage.emf
Diurnal            : data\emsfac\evdiu.emf
TANK PERM          : data\emsfac\evtank.emf
```

```
NON-RM HOSE PERM   : data\emsfac\evhose.emf
RM FILL NECK PERM  : data\emsfac\evneck.emf
RM SUPPLY/RETURN   : data\emsfac\evsupret.emf
RM VENT PERM       : data\emsfac\evvent.emf
HOT SOAKS          : data\emsfac\evhotsk.emf
RUNINGLOSS         : data\emsfac\evrunls.emf
/END/

-----------------------------------------------------
This is the packet that defines the deterioration factors
files read by the model.
-----------------------------------------------------
/DETERIORATE FILES/
THC exhaust        : data\detfac\exhthc.det
CO exhaust         : data\detfac\exhco.det
NOX exhaust        : data\detfac\exhnox.det
PM exhaust         : data\detfac\exhpm.det
Diurnal            : data\detfac\evdiu.det
/END/

Optional Packets - Add initial slash "/" to activate

/STAGE II/
Control Factor     : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

/MODELYEAR OUT/
EXHAUST BMY OUT    :
EVAP BMY OUT       :
/END/

SI REPORT/
SI report file-CSV :OUTPUTS\NRPOLLUT.CSV
/END/

/DAILY FILES/
DAILY TEMPS/RVP    :
/END/

PM Base Sulfur
 cols 1-10: dsl tech type;
 11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
/PM BASE SULFUR/
T2        0.2000    0.02247
T3        0.2000    0.02247
T3B       0.0500    0.02247
T4A       0.0500    0.02247
T4B       0.0015    0.02247
T4        0.0015    0.30
T4N       0.0015    0.30
/END/
```

Southwest Connecticut 2002 NONROAD2005 Input

```
Written by Nonroad interface at 2/7/2007 8:43:31 AM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information.  Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

9/2005 epa: Add growth & tech years to OPTIONS packet
  and Counties & Retrofit files to RUNFILES packet.

-----------------------------------------------------

                  PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated.  The order of the
records matter.  The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

1  - Char 10  - Period type for this simulation.
                  Valid responses are: ANNUAL, SEASONAL, and MONTHLY
2  - Char 10  - Type of inventory produced.
                  Valid responses are: TYPICAL DAY and PERIOD TOTAL
3  - Integer  - year of episode (4 digit year)
4  - Char 10  - Month of episode (use complete name of month)
5  - Char 10  - Type of day
                  Valid responses are: WEEKDAY and WEEKEND
-----------------------------------------------------
/PERIOD/
Period type        : Seasonal
Summation type     : Typical day
Year of episode    : 2002
Season of year     : Summer
Month of year      :
Weekday or weekend : Weekday
Year of growth calc:
Year of tech sel   :
/END/

-----------------------------------------------------

                  OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model.  Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

1  -  Char 80  - First title on reports
2  -  Char 80  - Second title on reports
3  -  Real 10  - Fuel RVP of gasoline for this simulation
4  -  Real 10  - Oxygen weight percent of gasoline for simulation
5  -  Real 10  - Percent sulfur for gasoline
6  -  Real 10  - Percent sulfur for diesel
7  -  Real 10  - Percent sulfur for LPG/CNG
8  -  Real 10  - Minimum daily temperature (deg. F)
9  -  Real 10  - maximum daily temperature (deg. F)
```

```
10 -  Real 10  - Representative average daily temperature (deg. F)
11 -  Char 10  - Flag to determine if region is high altitude
                      Valid responses are: HIGH and LOW
12 -  Char 10  - Flag to determine if RFG adjustments are made
                      Valid responses are: YES and NO
-----------------------------------------------------
/OPTIONS/
Title 1            : TEST TO DUPLICATE CT 2002 PEI FOR SWCT OZONE
(MARINE S?)
Title 2            : FEB 2, 2007
Fuel RVP for gas   : 6.86
Oxygen Weight %    : 2.1
Gas sulfur %       : 0.0106
Diesel sulfur %    : 0.2318
Marine Dsl sulfur %: 0.2637
CNG/LPG sulfur %   : 0.003
Minimum temper. (F): 66.5
Maximum temper. (F): 91.6
Average temper. (F): 83.2
Altitude of region : LOW
/END/

-----------------------------------------------------
                  REGION PACKET

This is the packet that defines the region for which
emissions are to be estimated.

The first record tells the type of region and
allocation to perform.

Valid responses are:
US TOTAL   -  emissions are for entire USA without state
              breakout.

50STATE    -  emissions are for all 50 states
              and Washington D.C., by state.

STATE      -  emissions are for a select group of states
              and are state-level estimates

COUNTY     -  emissions are for a select group of counties
              and are county level estimates.  If necessary,
              allocation from state to county will be performed.

SUBCOUNTY  -  emissions are for the specified sub counties
              and are subcounty level estimates.  If necessary,
              county to subcounty allocation will be performed.

The remaining records define the regions to be included.
The type of data which must be specified depends on the
region level.

US TOTAL   -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

50STATE    -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

STATE      -  state FIPS codes
```

```
COUNTY     -  state or county FIPS codes.  State FIPS
              code means include all counties in the
              state.

SUBCOUNTY  -  county FIPS code and subregion code.
-----------------------------------------------------
/REGION/
Region Level       : COUNTY
Fairfield County CT: 09001
Middlesex County CT: 09007
New Haven County CT: 09009
/END/

or use -
Region Level       : STATE
Michigan           : 26000
-----------------------------------------------------

                  SOURCE CATEGORY PACKET

This packet is used to tell the model which source
categories are to be processed.  It is optional.
If used, only those source categories list will
appear in the output data file.  If the packet is
not found, the model will process all source
categories in the population files.
-----------------------------------------------------


Diesel Only -
                   :2270000000
                   :2282020000
                   :2285002015
Spark Ignition Only -
                   :2260000000
                   :2265000000
                   :2267000000
                   :2268000000
                   :2282005010
                   :2282005015
                   :2282010005
                   :2285004015
                   :2285006015
-----------------------------------------------------
 This is the packet that lists the names of output files
 and some of the input data files read by the model.  If
 a drive:\path\ is not given, the location of the
 NONROAD.EXE file itself is assumed.  You will probably
 want to change the names of the Output and Message files
 to match that of the OPTion file, e.g., MICH-97.OPT,
 MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----------------------------------------------------
/RUNFILES/
ALLOC XREF         : data\allocate\allocate.xrf
ACTIVITY           : data\activity\activity.dat
EXH TECHNOLOGY     : data\tech\tech-exh.dat
EVP TECHNOLOGY     : data\tech\tech-evp.dat
SEASONALITY        : data\season\season.dat
REGIONS            : data\season\season.dat
MESSAGE            : c:\nonroad\ctpei02\peisw02.msg
OUTPUT DATA        : c:\nonroad\ctpei02\peisw02.out
```

```
EPS2 AMS           :
US COUNTIES FIPS   : data\allocate\fips.dat
RETROFIT           :
/END/

------------------------------------------------------
This is the packet that defines the equipment population
files read by the model.
------------------------------------------------------
/POP FILES/
Population File    : c:\nonroad\data\pop\ct.pop
/END/

POPULATION FILE    : c:\nonroad\data\POP\MI.POP


------------------------------------------------------
This is the packet that defines the growth files
files read by the model.
------------------------------------------------------
/GROWTH FILES/
National defaults  : data\growth\nation.grw
/END/


/ALLOC FILES/
Air trans. empl.   :c:\nonroad\data\allocate\ct_airtr.alo
Undergrnd coal prod:c:\nonroad\data\allocate\ct_coal.alo
Construction cost  :c:\nonroad\data\allocate\ct_const.alo
Harvested acres    :c:\nonroad\data\allocate\ct_farms.alo
Golf course estab. :c:\nonroad\data\allocate\ct_golf.alo
Wholesale estab.   :c:\nonroad\data\allocate\ct_holsl.alo
Family housing     :c:\nonroad\data\allocate\ct_house.alo
Logging employees  :c:\nonroad\data\allocate\ct_loggn.alo
Landscaping empl.  :c:\nonroad\data\allocate\ct_lscap.alo
Manufacturing empl.:c:\nonroad\data\allocate\ct_mnfg.alo
Oil & gas employees:c:\nonroad\data\allocate\ct_oil.alo
Census population  :c:\nonroad\data\allocate\ct_pop.alo
Allocation File    :c:\nonroad\data\allocate\ct_rail.alo
RV Park establish. :c:\nonroad\data\allocate\ct_rvprk.alo
Snowblowers comm.  :c:\nonroad\data\allocate\ct_sbc.alo
Snowblowers res.   :c:\nonroad\data\allocate\ct_sbr.alo
Snowmobiles        :c:\nonroad\data\allocate\ct_snowm.alo
Rec marine inboard :c:\nonroad\data\allocate\ct_wib.alo
Rec marine outboard:c:\nonroad\data\allocate\ct_wob.alo
/END/
------------------------------------------------------
This is the packet that defines the emssions factors
files read by the model.
------------------------------------------------------
/EMFAC FILES/
THC exhaust        : data\emsfac\exhthc.emf
CO exhaust         : data\emsfac\exhco.emf
NOX exhaust        : data\emsfac\exhnox.emf
PM exhaust         : data\emsfac\exhpm.emf
BSFC               : data\emsfac\bsfc.emf
Crankcase          : data\emsfac\crank.emf
Spillage           : data\emsfac\spillage.emf
Diurnal            : data\emsfac\evdiu.emf
TANK PERM          : data\emsfac\evtank.emf
NON-RM HOSE PERM   : data\emsfac\evhose.emf
```

```
RM FILL NECK PERM  : data\emsfac\evneck.emf
RM SUPPLY/RETURN   : data\emsfac\evsupret.emf
RM VENT PERM       : data\emsfac\evvent.emf
HOT SOAKS          : data\emsfac\evhotsk.emf
RUNINGLOSS         : data\emsfac\evrunls.emf
/END/

------------------------------------------------------
This is the packet that defines the deterioration factors
files read by the model.
------------------------------------------------------
/DETERIORATE FILES/
THC exhaust        : data\detfac\exhthc.det
CO exhaust         : data\detfac\exhco.det
NOX exhaust        : data\detfac\exhnox.det
PM exhaust         : data\detfac\exhpm.det
Diurnal            : data\detfac\evdiu.det
/END/

Optional Packets - Add initial slash "/" to activate

/STAGE II/
Control Factor     : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

/MODELYEAR OUT/
EXHAUST BMY OUT    :
EVAP BMY OUT       :
/END/

SI REPORT/
SI report file-CSV :OUTPUTS\NRPOLLUT.CSV
/END/

/DAILY FILES/
DAILY TEMPS/RVP    :
/END/

PM Base Sulfur
 cols 1-10: dsl tech type;
 11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
/PM BASE SULFUR/
T2        0.2000    0.02247
T3        0.2000    0.02247
T3B       0.0500    0.02247
T4A       0.0500    0.02247
T4B       0.0015    0.02247
T4        0.0015    0.30
T4N       0.0015    0.30
/END/
```

Greater Connecticut 2008 NONROAD2005 Input

```
Written by Nonroad interface at 2/8/2007 5:19:12 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information.  Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

9/2005 epa: Add growth & tech years to OPTIONS packet
  and Counties & Retrofit files to RUNFILES packet.

-----------------------------------------------------

                  PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated.  The order of the
records matter.  The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

1  - Char 10  - Period type for this simulation.
                  Valid responses are: ANNUAL, SEASONAL, and MONTHLY
2  - Char 10  - Type of inventory produced.
                  Valid responses are: TYPICAL DAY and PERIOD TOTAL
3  - Integer  - year of episode (4 digit year)
4  - Char 10  - Month of episode (use complete name of month)
5  - Char 10  - Type of day
                  Valid responses are: WEEKDAY and WEEKEND
-----------------------------------------------------
/PERIOD/
Period type        : Seasonal
Summation type     : Typical day
Year of episode    : 2008
Season of year     : Summer
Month of year      :
Weekday or weekend : Weekday
Year of growth calc:
Year of tech sel   :
/END/

-----------------------------------------------------

                  OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model.  Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

1  -  Char 80  - First title on reports
2  -  Char 80  - Second title on reports
3  -  Real 10  - Fuel RVP of gasoline for this simulation
4  -  Real 10  - Oxygen weight percent of gasoline for simulation
5  -  Real 10  - Percent sulfur for gasoline
6  -  Real 10  - Percent sulfur for diesel
7  -  Real 10  - Percent sulfur for LPG/CNG
8  -  Real 10  - Minimum daily temperature (deg. F)
9  -  Real 10  - maximum daily temperature (deg. F)
```

```
10 -  Real 10  - Representative average daily temperature (deg. F)
11 -  Char 10  - Flag to determine if region is high altitude
                      Valid responses are: HIGH and LOW
12 -  Char 10  - Flag to determine if RFG adjustments are made
                      Valid responses are: YES and NO
-----------------------------------------------------
/OPTIONS/
Title 1            : TEST 2008 PEI FOR GrCT OZONE (MARINE S?)
Title 2            : FEB 8, 2007
Fuel RVP for gas   : 6.86
Oxygen Weight %    : 3.5
Gas sulfur %       : 0.0030
Diesel sulfur %    : 0.0348
Marine Dsl sulfur %: 0.0408
CNG/LPG sulfur %   : 0.003
Minimum temper. (F): 67.7
Maximum temper. (F): 95.5
Average temper. (F): 86.2
Altitude of region : LOW
/END/

-----------------------------------------------------
                  REGION PACKET

This is the packet that defines the region for which
emissions are to be estimated.

The first record tells the type of region and
allocation to perform.

Valid responses are:
US TOTAL   -  emissions are for entire USA without state
              breakout.

50STATE    -  emissions are for all 50 states
              and Washington D.C., by state.

STATE      -  emissions are for a select group of states
              and are state-level estimates

COUNTY     -  emissions are for a select group of counties
              and are county level estimates.  If necessary,
              allocation from state to county will be performed.

SUBCOUNTY  -  emissions are for the specified sub counties
              and are subcounty level estimates.  If necessary,
              county to subcounty allocation will be performed.

The remaining records define the regions to be included.
The type of data which must be specified depends on the
region level.

US TOTAL   -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

50STATE    -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

STATE      -  state FIPS codes

COUNTY     -  state or county FIPS codes.  State FIPS
```

```
              code means include all counties in the
              state.

SUBCOUNTY  -  county FIPS code and subregion code.
-----------------------------------------------------
/REGION/
Region Level       : COUNTY
Hartford County CT : 09003
Litchfield Count CT: 09005
New London Count CT: 09011
Tolland County CT  : 09013
Windham County CT  : 09015
/END/

or use -
Region Level       : STATE
Michigan           : 26000
-----------------------------------------------------

                  SOURCE CATEGORY PACKET

This packet is used to tell the model which source
categories are to be processed.  It is optional.
If used, only those source categories list will
appear in the output data file.  If the packet is
not found, the model will process all source
categories in the population files.
-----------------------------------------------------


Diesel Only -
                   :2270000000
                   :2282020000
                   :2285002015
Spark Ignition Only -
                   :2260000000
                   :2265000000
                   :2267000000
                   :2268000000
                   :2282005010
                   :2282005015
                   :2282010005
                   :2285004015
                   :2285006015
-----------------------------------------------------
 This is the packet that lists the names of output files
 and some of the input data files read by the model.  If
 a drive:\path\ is not given, the location of the
 NONROAD.EXE file itself is assumed.  You will probably
 want to change the names of the Output and Message files
 to match that of the OPTion file, e.g., MICH-97.OPT,
 MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----------------------------------------------------
/RUNFILES/
ALLOC XREF         : data\allocate\allocate.xrf
ACTIVITY           : data\activity\activity.dat
EXH TECHNOLOGY     : data\tech\tech-exh.dat
EVP TECHNOLOGY     : data\tech\tech-evp.dat
SEASONALITY        : data\season\season.dat
REGIONS            : data\season\season.dat
MESSAGE            : c:\nonroad\ctpei08\peigr08.msg
```

```
OUTPUT DATA        : c:\nonroad\ctpei08\peigr08.out
EPS2 AMS           :
US COUNTIES FIPS   : data\allocate\fips.dat
RETROFIT           :
/END/

-----------------------------------------------------
This is the packet that defines the equipment population
files read by the model.
-----------------------------------------------------
/POP FILES/
Population File    : c:\nonroad\data\pop\ct.pop
/END/

POPULATION FILE    : c:\nonroad\data\POP\MI.POP


-----------------------------------------------------
This is the packet that defines the growth files
files read by the model.
-----------------------------------------------------
/GROWTH FILES/
National defaults  : data\growth\nation.grw
/END/


/ALLOC FILES/
Air trans. empl.   :c:\nonroad\data\allocate\ct_airtr.alo
Undergrnd coal prod:c:\nonroad\data\allocate\ct_coal.alo
Construction cost  :c:\nonroad\data\allocate\ct_const.alo
Harvested acres    :c:\nonroad\data\allocate\ct_farms.alo
Golf course estab. :c:\nonroad\data\allocate\ct_golf.alo
Wholesale estab.   :c:\nonroad\data\allocate\ct_holsl.alo
Family housing     :c:\nonroad\data\allocate\ct_house.alo
Logging employees  :c:\nonroad\data\allocate\ct_loggn.alo
Landscaping empl.  :c:\nonroad\data\allocate\ct_lscap.alo
Manufacturing empl.:c:\nonroad\data\allocate\ct_mnfg.alo
Oil & gas employees:c:\nonroad\data\allocate\ct_oil.alo
Census population  :c:\nonroad\data\allocate\ct_pop.alo
Allocation File    :c:\nonroad\data\allocate\ct_rail.alo
RV Park establish. :c:\nonroad\data\allocate\ct_rvprk.alo
Snowblowers comm.  :c:\nonroad\data\allocate\ct_sbc.alo
Snowblowers res.   :c:\nonroad\data\allocate\ct_sbr.alo
Snowmobiles        :c:\nonroad\data\allocate\ct_snowm.alo
Rec marine inboard :c:\nonroad\data\allocate\ct_wib.alo
Rec marine outboard:c:\nonroad\data\allocate\ct_wob.alo
/END/
-----------------------------------------------------
This is the packet that defines the emssions factors
files read by the model.
-----------------------------------------------------
/EMFAC FILES/
THC exhaust        : data\emsfac\exhthc.emf
CO exhaust         : data\emsfac\exhco.emf
NOX exhaust        : data\emsfac\exhnox.emf
PM exhaust         : data\emsfac\exhpm.emf
BSFC               : data\emsfac\bsfc.emf
Crankcase          : data\emsfac\crank.emf
Spillage           : data\emsfac\spillage.emf
Diurnal            : data\emsfac\evdiu.emf
TANK PERM          : data\emsfac\evtank.emf
```

```
NON-RM HOSE PERM   : data\emsfac\evhose.emf
RM FILL NECK PERM  : data\emsfac\evneck.emf
RM SUPPLY/RETURN   : data\emsfac\evsupret.emf
RM VENT PERM       : data\emsfac\evvent.emf
HOT SOAKS          : data\emsfac\evhotsk.emf
RUNINGLOSS         : data\emsfac\evrunls.emf
/END/

-----------------------------------------------------
This is the packet that defines the deterioration factors
files read by the model.
-----------------------------------------------------
/DETERIORATE FILES/
THC exhaust        : data\detfac\exhthc.det
CO exhaust         : data\detfac\exhco.det
NOX exhaust        : data\detfac\exhnox.det
PM exhaust         : data\detfac\exhpm.det
Diurnal            : data\detfac\evdiu.det
/END/

Optional Packets - Add initial slash "/" to activate

/STAGE II/
Control Factor     : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

/MODELYEAR OUT/
EXHAUST BMY OUT    :
EVAP BMY OUT       :
/END/

SI REPORT/
SI report file-CSV :OUTPUTS\NRPOLLUT.CSV
/END/

/DAILY FILES/
DAILY TEMPS/RVP    :
/END/

PM Base Sulfur
 cols 1-10: dsl tech type;
 11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
/PM BASE SULFUR/
T2        0.2000    0.02247
T3        0.2000    0.02247
T3B       0.0500    0.02247
T4A       0.0500    0.02247
T4B       0.0015    0.02247
T4        0.0015    0.30
T4N       0.0015    0.30
/END/
```

Southwest Connecticut 2008 NONROAD2005 Input

```
Written by Nonroad interface at 2/8/2007 5:26:35 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information.  Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

9/2005 epa: Add growth & tech years to OPTIONS packet
  and Counties & Retrofit files to RUNFILES packet.

-----------------------------------------------------

                  PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated.  The order of the
records matter.  The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

1  - Char 10  - Period type for this simulation.
                  Valid responses are: ANNUAL, SEASONAL, and MONTHLY
2  - Char 10  - Type of inventory produced.
                  Valid responses are: TYPICAL DAY and PERIOD TOTAL
3  - Integer  - year of episode (4 digit year)
4  - Char 10  - Month of episode (use complete name of month)
5  - Char 10  - Type of day
                  Valid responses are: WEEKDAY and WEEKEND
-----------------------------------------------------
/PERIOD/
Period type        : Seasonal
Summation type     : Typical day
Year of episode    : 2008
Season of year     : Summer
Month of year      :
Weekday or weekend : Weekday
Year of growth calc:
Year of tech sel   :
/END/

-----------------------------------------------------

                  OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model.  Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

1  -  Char 80  - First title on reports
2  -  Char 80  - Second title on reports
3  -  Real 10  - Fuel RVP of gasoline for this simulation
4  -  Real 10  - Oxygen weight percent of gasoline for simulation
5  -  Real 10  - Percent sulfur for gasoline
6  -  Real 10  - Percent sulfur for diesel
7  -  Real 10  - Percent sulfur for LPG/CNG
8  -  Real 10  - Minimum daily temperature (deg. F)
9  -  Real 10  - maximum daily temperature (deg. F)
```

```
10 -  Real 10  - Representative average daily temperature (deg. F)
11 -  Char 10  - Flag to determine if region is high altitude
                      Valid responses are: HIGH and LOW
12 -  Char 10  - Flag to determine if RFG adjustments are made
                      Valid responses are: YES and NO
-----------------------------------------------------
/OPTIONS/
Title 1            : TEST 2008 PEI FOR SWCT OZONE (MARINE S?)
Title 2            : FEB 8, 2007
Fuel RVP for gas   : 6.86
Oxygen Weight %    : 3.5
Gas sulfur %       : 0.0030
Diesel sulfur %    : 0.0348
Marine Dsl sulfur %: 0.0408
CNG/LPG sulfur %   : 0.003
Minimum temper. (F): 66.5
Maximum temper. (F): 91.6
Average temper. (F): 83.2
Altitude of region : LOW
/END/

-----------------------------------------------------
                  REGION PACKET

This is the packet that defines the region for which
emissions are to be estimated.

The first record tells the type of region and
allocation to perform.

Valid responses are:
US TOTAL   -  emissions are for entire USA without state
              breakout.

50STATE    -  emissions are for all 50 states
              and Washington D.C., by state.

STATE      -  emissions are for a select group of states
              and are state-level estimates

COUNTY     -  emissions are for a select group of counties
              and are county level estimates.  If necessary,
              allocation from state to county will be performed.

SUBCOUNTY  -  emissions are for the specified sub counties
              and are subcounty level estimates.  If necessary,
              county to subcounty allocation will be performed.

The remaining records define the regions to be included.
The type of data which must be specified depends on the
region level.

US TOTAL   -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

50STATE    -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

STATE      -  state FIPS codes

COUNTY     -  state or county FIPS codes.  State FIPS
```

```
              code means include all counties in the
              state.

SUBCOUNTY  -  county FIPS code and subregion code.
-----------------------------------------------------
/REGION/
Region Level       : COUNTY
Fairfield County CT: 09001
Middlesex County CT: 09007
New Haven County CT: 09009
/END/

or use -
Region Level       : STATE
Michigan           : 26000
-----------------------------------------------------

                  SOURCE CATEGORY PACKET

This packet is used to tell the model which source
categories are to be processed.  It is optional.
If used, only those source categories list will
appear in the output data file.  If the packet is
not found, the model will process all source
categories in the population files.
-----------------------------------------------------


Diesel Only -
                   :2270000000
                   :2282020000
                   :2285002015
Spark Ignition Only -
                   :2260000000
                   :2265000000
                   :2267000000
                   :2268000000
                   :2282005010
                   :2282005015
                   :2282010005
                   :2285004015
                   :2285006015
-----------------------------------------------------
 This is the packet that lists the names of output files
 and some of the input data files read by the model.  If
 a drive:\path\ is not given, the location of the
 NONROAD.EXE file itself is assumed.  You will probably
 want to change the names of the Output and Message files
 to match that of the OPTion file, e.g., MICH-97.OPT,
 MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----------------------------------------------------
/RUNFILES/
ALLOC XREF         : data\allocate\allocate.xrf
ACTIVITY           : data\activity\activity.dat
EXH TECHNOLOGY     : data\tech\tech-exh.dat
EVP TECHNOLOGY     : data\tech\tech-evp.dat
SEASONALITY        : data\season\season.dat
REGIONS            : data\season\season.dat
MESSAGE            : c:\nonroad\ctpei08\peisw08.msg
OUTPUT DATA        : c:\nonroad\ctpei08\peisw08.out
EPS2 AMS           :
```

```
US COUNTIES FIPS   : data\allocate\fips.dat
RETROFIT           :
/END/

-------------------------------------------------------
This is the packet that defines the equipment population
files read by the model.
-------------------------------------------------------
/POP FILES/
Population File    : c:\nonroad\data\pop\ct.pop
/END/

POPULATION FILE    : c:\nonroad\data\POP\MI.POP


-------------------------------------------------------
This is the packet that defines the growth files
files read by the model.
-------------------------------------------------------
/GROWTH FILES/
National defaults  : data\growth\nation.grw
/END/


/ALLOC FILES/
Air trans. empl.   :c:\nonroad\data\allocate\ct_airtr.alo
Undergrnd coal prod:c:\nonroad\data\allocate\ct_coal.alo
Construction cost  :c:\nonroad\data\allocate\ct_const.alo
Harvested acres    :c:\nonroad\data\allocate\ct_farms.alo
Golf course estab. :c:\nonroad\data\allocate\ct_golf.alo
Wholesale estab.   :c:\nonroad\data\allocate\ct_holsl.alo
Family housing     :c:\nonroad\data\allocate\ct_house.alo
Logging employees  :c:\nonroad\data\allocate\ct_loggn.alo
Landscaping empl.  :c:\nonroad\data\allocate\ct_lscap.alo
Manufacturing empl.:c:\nonroad\data\allocate\ct_mnfg.alo
Oil & gas employees:c:\nonroad\data\allocate\ct_oil.alo
Census population  :c:\nonroad\data\allocate\ct_pop.alo
Allocation File    :c:\nonroad\data\allocate\ct_rail.alo
RV Park establish. :c:\nonroad\data\allocate\ct_rvprk.alo
Snowblowers comm.  :c:\nonroad\data\allocate\ct_sbc.alo
Snowblowers res.   :c:\nonroad\data\allocate\ct_sbr.alo
Snowmobiles        :c:\nonroad\data\allocate\ct_snowm.alo
Rec marine inboard :c:\nonroad\data\allocate\ct_wib.alo
Rec marine outboard:c:\nonroad\data\allocate\ct_wob.alo
/END/
-------------------------------------------------------
This is the packet that defines the emssions factors
files read by the model.
-------------------------------------------------------
/EMFAC FILES/
THC exhaust        : data\emsfac\exhthc.emf
CO exhaust         : data\emsfac\exhco.emf
NOX exhaust        : data\emsfac\exhnox.emf
PM exhaust         : data\emsfac\exhpm.emf
BSFC               : data\emsfac\bsfc.emf
Crankcase          : data\emsfac\crank.emf
Spillage           : data\emsfac\spillage.emf
Diurnal            : data\emsfac\evdiu.emf
TANK PERM          : data\emsfac\evtank.emf
NON-RM HOSE PERM   : data\emsfac\evhose.emf
RM FILL NECK PERM  : data\emsfac\evneck.emf
```

```
RM SUPPLY/RETURN   : data\emsfac\evsupret.emf
RM VENT PERM       : data\emsfac\evvent.emf
HOT SOAKS          : data\emsfac\evhotsk.emf
RUNINGLOSS         : data\emsfac\evrunls.emf
/END/

----------------------------------------------------
This is the packet that defines the deterioration factors
files read by the model.
----------------------------------------------------
/DETERIORATE FILES/
THC exhaust        : data\detfac\exhthc.det
CO exhaust         : data\detfac\exhco.det
NOX exhaust        : data\detfac\exhnox.det
PM exhaust         : data\detfac\exhpm.det
Diurnal            : data\detfac\evdiu.det
/END/

Optional Packets - Add initial slash "/" to activate

/STAGE II/
Control Factor     : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

/MODELYEAR OUT/
EXHAUST BMY OUT    :
EVAP BMY OUT       :
/END/

SI REPORT/
SI report file-CSV :OUTPUTS\NRPOLLUT.CSV
/END/

/DAILY FILES/
DAILY TEMPS/RVP    :
/END/

PM Base Sulfur
 cols 1-10: dsl tech type;
 11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
/PM BASE SULFUR/
T2        0.2000    0.02247
T3        0.2000    0.02247
T3B       0.0500    0.02247
T4A       0.0500    0.02247
T4B       0.0015    0.02247
T4        0.0015    0.30
T4N       0.0015    0.30
/END/
```

Greater Connecticut 2009 NONROAD2005 Input

```
Written by Nonroad interface at 2/7/2007 10:53:16 AM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information.  Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

9/2005 epa: Add growth & tech years to OPTIONS packet
  and Counties & Retrofit files to RUNFILES packet.

-----------------------------------------------------

                  PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated.  The order of the
records matter.  The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

1  - Char 10  - Period type for this simulation.
                  Valid responses are: ANNUAL, SEASONAL, and MONTHLY
2  - Char 10  - Type of inventory produced.
                  Valid responses are: TYPICAL DAY and PERIOD TOTAL
3  - Integer  - year of episode (4 digit year)
4  - Char 10  - Month of episode (use complete name of month)
5  - Char 10  - Type of day
                  Valid responses are: WEEKDAY and WEEKEND
-----------------------------------------------------
/PERIOD/
Period type        : Seasonal
Summation type     : Typical day
Year of episode    : 2009
Season of year     : Summer
Month of year      :
Weekday or weekend : Weekday
Year of growth calc:
Year of tech sel   :
/END/

-----------------------------------------------------

                  OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model.  Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

1  -  Char 80  - First title on reports
2  -  Char 80  - Second title on reports
3  -  Real 10  - Fuel RVP of gasoline for this simulation
4  -  Real 10  - Oxygen weight percent of gasoline for simulation
5  -  Real 10  - Percent sulfur for gasoline
6  -  Real 10  - Percent sulfur for diesel
7  -  Real 10  - Percent sulfur for LPG/CNG
8  -  Real 10  - Minimum daily temperature (deg. F)
9  -  Real 10  - maximum daily temperature (deg. F)
```

```
10 -  Real 10  - Representative average daily temperature (deg. F)
11 -  Char 10  - Flag to determine if region is high altitude
                      Valid responses are: HIGH and LOW
12 -  Char 10  - Flag to determine if RFG adjustments are made
                      Valid responses are: YES and NO
-----------------------------------------------------
/OPTIONS/
Title 1            : TEST 2009 PEI FOR GrCT OZONE (MARINE S?)
Title 2            : FEB 2, 2007
Fuel RVP for gas   : 6.86
Oxygen Weight %    : 3.5
Gas sulfur %       : 0.0030
Diesel sulfur %    : 0.0348
Marine Dsl sulfur %: 0.0408
CNG/LPG sulfur %   : 0.003
Minimum temper. (F): 67.7
Maximum temper. (F): 95.5
Average temper. (F): 86.2
Altitude of region : LOW
/END/

-----------------------------------------------------
                  REGION PACKET

This is the packet that defines the region for which
emissions are to be estimated.

The first record tells the type of region and
allocation to perform.

Valid responses are:
US TOTAL   -  emissions are for entire USA without state
              breakout.

50STATE    -  emissions are for all 50 states
              and Washington D.C., by state.

STATE      -  emissions are for a select group of states
              and are state-level estimates

COUNTY     -  emissions are for a select group of counties
              and are county level estimates.  If necessary,
              allocation from state to county will be performed.

SUBCOUNTY  -  emissions are for the specified sub counties
              and are subcounty level estimates.  If necessary,
              county to subcounty allocation will be performed.

The remaining records define the regions to be included.
The type of data which must be specified depends on the
region level.

US TOTAL   -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

50STATE    -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

STATE      -  state FIPS codes

COUNTY     -  state or county FIPS codes.  State FIPS
```

```
              code means include all counties in the
              state.

SUBCOUNTY  -  county FIPS code and subregion code.
-----------------------------------------------------
/REGION/
Region Level       : COUNTY
Hartford County CT : 09003
Litchfield Count CT: 09005
New London Count CT: 09011
Tolland County CT  : 09013
Windham County CT  : 09015
/END/

or use -
Region Level       : STATE
Michigan           : 26000
-----------------------------------------------------

                  SOURCE CATEGORY PACKET

This packet is used to tell the model which source
categories are to be processed.  It is optional.
If used, only those source categories list will
appear in the output data file.  If the packet is
not found, the model will process all source
categories in the population files.
-----------------------------------------------------


Diesel Only -
                   :2270000000
                   :2282020000
                   :2285002015
Spark Ignition Only -
                   :2260000000
                   :2265000000
                   :2267000000
                   :2268000000
                   :2282005010
                   :2282005015
                   :2282010005
                   :2285004015
                   :2285006015
-----------------------------------------------------
 This is the packet that lists the names of output files
 and some of the input data files read by the model.  If
 a drive:\path\ is not given, the location of the
 NONROAD.EXE file itself is assumed.  You will probably
 want to change the names of the Output and Message files
 to match that of the OPTion file, e.g., MICH-97.OPT,
 MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----------------------------------------------------
/RUNFILES/
ALLOC XREF         : data\allocate\allocate.xrf
ACTIVITY           : data\activity\activity.dat
EXH TECHNOLOGY     : data\tech\tech-exh.dat
EVP TECHNOLOGY     : data\tech\tech-evp.dat
SEASONALITY        : data\season\season.dat
REGIONS            : data\season\season.dat
MESSAGE            : c:\nonroad\ctpei09\peigr09.msg
```

```
OUTPUT DATA        : c:\nonroad\ctpei09\peigr09.out
EPS2 AMS           :
US COUNTIES FIPS   : data\allocate\fips.dat
RETROFIT           :
/END/

-----------------------------------------------------
This is the packet that defines the equipment population
files read by the model.
-----------------------------------------------------
/POP FILES/
Population File    : c:\nonroad\data\pop\ct.pop
/END/

POPULATION FILE    : c:\nonroad\data\POP\MI.POP


-----------------------------------------------------
This is the packet that defines the growth files
files read by the model.
-----------------------------------------------------
/GROWTH FILES/
National defaults  : data\growth\nation.grw
/END/


/ALLOC FILES/
Air trans. empl.   :c:\nonroad\data\allocate\ct_airtr.alo
Undergrnd coal prod:c:\nonroad\data\allocate\ct_coal.alo
Construction cost  :c:\nonroad\data\allocate\ct_const.alo
Harvested acres    :c:\nonroad\data\allocate\ct_farms.alo
Golf course estab. :c:\nonroad\data\allocate\ct_golf.alo
Wholesale estab.   :c:\nonroad\data\allocate\ct_holsl.alo
Family housing     :c:\nonroad\data\allocate\ct_house.alo
Logging employees  :c:\nonroad\data\allocate\ct_loggn.alo
Landscaping empl.  :c:\nonroad\data\allocate\ct_lscap.alo
Manufacturing empl.:c:\nonroad\data\allocate\ct_mnfg.alo
Oil & gas employees:c:\nonroad\data\allocate\ct_oil.alo
Census population  :c:\nonroad\data\allocate\ct_pop.alo
Allocation File    :c:\nonroad\data\allocate\ct_rail.alo
RV Park establish. :c:\nonroad\data\allocate\ct_rvprk.alo
Snowblowers comm.  :c:\nonroad\data\allocate\ct_sbc.alo
Snowblowers res.   :c:\nonroad\data\allocate\ct_sbr.alo
Snowmobiles        :c:\nonroad\data\allocate\ct_snowm.alo
Rec marine inboard :c:\nonroad\data\allocate\ct_wib.alo
Rec marine outboard:c:\nonroad\data\allocate\ct_wob.alo
/END/
-----------------------------------------------------
This is the packet that defines the emssions factors
files read by the model.
-----------------------------------------------------
/EMFAC FILES/
THC exhaust        : data\emsfac\exhthc.emf
CO exhaust         : data\emsfac\exhco.emf
NOX exhaust        : data\emsfac\exhnox.emf
PM exhaust         : data\emsfac\exhpm.emf
BSFC               : data\emsfac\bsfc.emf
Crankcase          : data\emsfac\crank.emf
Spillage           : data\emsfac\spillage.emf
Diurnal            : data\emsfac\evdiu.emf
TANK PERM          : data\emsfac\evtank.emf
```

```
NON-RM HOSE PERM   : data\emsfac\evhose.emf
RM FILL NECK PERM  : data\emsfac\evneck.emf
RM SUPPLY/RETURN   : data\emsfac\evsupret.emf
RM VENT PERM       : data\emsfac\evvent.emf
HOT SOAKS          : data\emsfac\evhotsk.emf
RUNINGLOSS         : data\emsfac\evrunls.emf
/END/

------------------------------------------------------
This is the packet that defines the deterioration factors
files read by the model.
------------------------------------------------------
/DETERIORATE FILES/
THC exhaust        : data\detfac\exhthc.det
CO exhaust         : data\detfac\exhco.det
NOX exhaust        : data\detfac\exhnox.det
PM exhaust         : data\detfac\exhpm.det
Diurnal            : data\detfac\evdiu.det
/END/

Optional Packets - Add initial slash "/" to activate

/STAGE II/
Control Factor     : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

/MODELYEAR OUT/
EXHAUST BMY OUT    :
EVAP BMY OUT       :
/END/

SI REPORT/
SI report file-CSV :OUTPUTS\NRPOLLUT.CSV
/END/

/DAILY FILES/
DAILY TEMPS/RVP    :
/END/

PM Base Sulfur
 cols 1-10: dsl tech type;
 11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
/PM BASE SULFUR/
T2        0.2000    0.02247
T3        0.2000    0.02247
T3B       0.0500    0.02247
T4A       0.0500    0.02247
T4B       0.0015    0.02247
T4        0.0015    0.30
T4N       0.0015    0.30
/END/
```

Southwest Connecticut 2009 NONROAD2005 Input

```
Written by Nonroad interface at 2/7/2007 10:34:16 AM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information.  Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

9/2005 epa: Add growth & tech years to OPTIONS packet
  and Counties & Retrofit files to RUNFILES packet.

-----------------------------------------------------

                  PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated.  The order of the
records matter.  The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

1  - Char 10  - Period type for this simulation.
                  Valid responses are: ANNUAL, SEASONAL, and MONTHLY
2  - Char 10  - Type of inventory produced.
                  Valid responses are: TYPICAL DAY and PERIOD TOTAL
3  - Integer  - year of episode (4 digit year)
4  - Char 10  - Month of episode (use complete name of month)
5  - Char 10  - Type of day
                  Valid responses are: WEEKDAY and WEEKEND
-----------------------------------------------------
/PERIOD/
Period type        : Seasonal
Summation type     : Typical day
Year of episode    : 2009
Season of year     : Summer
Month of year      :
Weekday or weekend : Weekday
Year of growth calc:
Year of tech sel   :
/END/

-----------------------------------------------------

                  OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model.  Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

1  -  Char 80  - First title on reports
2  -  Char 80  - Second title on reports
3  -  Real 10  - Fuel RVP of gasoline for this simulation
4  -  Real 10  - Oxygen weight percent of gasoline for simulation
5  -  Real 10  - Percent sulfur for gasoline
6  -  Real 10  - Percent sulfur for diesel
7  -  Real 10  - Percent sulfur for LPG/CNG
8  -  Real 10  - Minimum daily temperature (deg. F)
9  -  Real 10  - maximum daily temperature (deg. F)
```

```
10 -  Real 10  - Representative average daily temperature (deg. F)
11 -  Char 10  - Flag to determine if region is high altitude
                      Valid responses are: HIGH and LOW
12 -  Char 10  - Flag to determine if RFG adjustments are made
                      Valid responses are: YES and NO
-----------------------------------------------------
/OPTIONS/
Title 1            : TEST 2009 PEI FOR SWCT OZONE (MARINE S?)
Title 2            : FEB 2, 2007
Fuel RVP for gas   : 6.86
Oxygen Weight %    : 3.5
Gas sulfur %       : 0.0030
Diesel sulfur %    : 0.0348
Marine Dsl sulfur %: 0.0408
CNG/LPG sulfur %   : 0.003
Minimum temper. (F): 66.5
Maximum temper. (F): 91.6
Average temper. (F): 83.2
Altitude of region : LOW
/END/

-----------------------------------------------------
                  REGION PACKET

This is the packet that defines the region for which
emissions are to be estimated.

The first record tells the type of region and
allocation to perform.

Valid responses are:
US TOTAL   -  emissions are for entire USA without state
              breakout.

50STATE    -  emissions are for all 50 states
              and Washington D.C., by state.

STATE      -  emissions are for a select group of states
              and are state-level estimates

COUNTY     -  emissions are for a select group of counties
              and are county level estimates.  If necessary,
              allocation from state to county will be performed.

SUBCOUNTY  -  emissions are for the specified sub counties
              and are subcounty level estimates.  If necessary,
              county to subcounty allocation will be performed.

The remaining records define the regions to be included.
The type of data which must be specified depends on the
region level.

US TOTAL   -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

50STATE    -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

STATE      -  state FIPS codes

COUNTY     -  state or county FIPS codes.  State FIPS
```

```
              code means include all counties in the
              state.

SUBCOUNTY  -  county FIPS code and subregion code.
-----------------------------------------------------
/REGION/
Region Level       : COUNTY
Fairfield County CT: 09001
Middlesex County CT: 09007
New Haven County CT: 09009
/END/

or use -
Region Level       : STATE
Michigan           : 26000
-----------------------------------------------------

                  SOURCE CATEGORY PACKET

This packet is used to tell the model which source
categories are to be processed.  It is optional.
If used, only those source categories list will
appear in the output data file.  If the packet is
not found, the model will process all source
categories in the population files.
-----------------------------------------------------


Diesel Only -
                   :2270000000
                   :2282020000
                   :2285002015
Spark Ignition Only -
                   :2260000000
                   :2265000000
                   :2267000000
                   :2268000000
                   :2282005010
                   :2282005015
                   :2282010005
                   :2285004015
                   :2285006015
-----------------------------------------------------
 This is the packet that lists the names of output files
 and some of the input data files read by the model.  If
 a drive:\path\ is not given, the location of the
 NONROAD.EXE file itself is assumed.  You will probably
 want to change the names of the Output and Message files
 to match that of the OPTion file, e.g., MICH-97.OPT,
 MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----------------------------------------------------
/RUNFILES/
ALLOC XREF         : data\allocate\allocate.xrf
ACTIVITY           : data\activity\activity.dat
EXH TECHNOLOGY     : data\tech\tech-exh.dat
EVP TECHNOLOGY     : data\tech\tech-evp.dat
SEASONALITY        : data\season\season.dat
REGIONS            : data\season\season.dat
MESSAGE            : c:\nonroad\ctpei09\peisw09.msg
OUTPUT DATA        : c:\nonroad\ctpei09\peisw09.out
EPS2 AMS           :
```

```
US COUNTIES FIPS   : data\allocate\fips.dat
RETROFIT           :
/END/

-------------------------------------------------------
This is the packet that defines the equipment population
files read by the model.
-------------------------------------------------------
/POP FILES/
Population File    : c:\nonroad\data\pop\ct.pop
/END/

POPULATION FILE    : c:\nonroad\data\POP\MI.POP


-------------------------------------------------------
This is the packet that defines the growth files
files read by the model.
-------------------------------------------------------
/GROWTH FILES/
National defaults  : data\growth\nation.grw
/END/


/ALLOC FILES/
Air trans. empl.   :c:\nonroad\data\allocate\ct_airtr.alo
Undergrnd coal prod:c:\nonroad\data\allocate\ct_coal.alo
Construction cost  :c:\nonroad\data\allocate\ct_const.alo
Harvested acres    :c:\nonroad\data\allocate\ct_farms.alo
Golf course estab. :c:\nonroad\data\allocate\ct_golf.alo
Wholesale estab.   :c:\nonroad\data\allocate\ct_holsl.alo
Family housing     :c:\nonroad\data\allocate\ct_house.alo
Logging employees  :c:\nonroad\data\allocate\ct_loggn.alo
Landscaping empl.  :c:\nonroad\data\allocate\ct_lscap.alo
Manufacturing empl.:c:\nonroad\data\allocate\ct_mnfg.alo
Oil & gas employees:c:\nonroad\data\allocate\ct_oil.alo
Census population  :c:\nonroad\data\allocate\ct_pop.alo
Allocation File    :c:\nonroad\data\allocate\ct_rail.alo
RV Park establish. :c:\nonroad\data\allocate\ct_rvprk.alo
Snowblowers comm.  :c:\nonroad\data\allocate\ct_sbc.alo
Snowblowers res.   :c:\nonroad\data\allocate\ct_sbr.alo
Snowmobiles        :c:\nonroad\data\allocate\ct_snowm.alo
Rec marine inboard :c:\nonroad\data\allocate\ct_wib.alo
Rec marine outboard:c:\nonroad\data\allocate\ct_wob.alo
/END/
-------------------------------------------------------
This is the packet that defines the emssions factors
files read by the model.
-------------------------------------------------------
/EMFAC FILES/
THC exhaust        : data\emsfac\exhthc.emf
CO exhaust         : data\emsfac\exhco.emf
NOX exhaust        : data\emsfac\exhnox.emf
PM exhaust         : data\emsfac\exhpm.emf
BSFC               : data\emsfac\bsfc.emf
Crankcase          : data\emsfac\crank.emf
Spillage           : data\emsfac\spillage.emf
Diurnal            : data\emsfac\evdiu.emf
TANK PERM          : data\emsfac\evtank.emf
NON-RM HOSE PERM   : data\emsfac\evhose.emf
RM FILL NECK PERM  : data\emsfac\evneck.emf
```

```
RM SUPPLY/RETURN   : data\emsfac\evsupret.emf
RM VENT PERM       : data\emsfac\evvent.emf
HOT SOAKS          : data\emsfac\evhotsk.emf
RUNINGLOSS         : data\emsfac\evrunls.emf
/END/

----------------------------------------------------
This is the packet that defines the deterioration factors
files read by the model.
----------------------------------------------------
/DETERIORATE FILES/
THC exhaust        : data\detfac\exhthc.det
CO exhaust         : data\detfac\exhco.det
NOX exhaust        : data\detfac\exhnox.det
PM exhaust         : data\detfac\exhpm.det
Diurnal            : data\detfac\evdiu.det
/END/

Optional Packets - Add initial slash "/" to activate

/STAGE II/
Control Factor     : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

/MODELYEAR OUT/
EXHAUST BMY OUT    :
EVAP BMY OUT       :
/END/

SI REPORT/
SI report file-CSV :OUTPUTS\NRPOLLUT.CSV
/END/

/DAILY FILES/
DAILY TEMPS/RVP    :
/END/

PM Base Sulfur
 cols 1-10: dsl tech type;
 11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
/PM BASE SULFUR/
T2        0.2000    0.02247
T3        0.2000    0.02247
T3B       0.0500    0.02247
T4A       0.0500    0.02247
T4B       0.0015    0.02247
T4        0.0015    0.30
T4N       0.0015    0.30
/END/
```

Greater Connecticut 2012 NONROAD2005 Input

```
Written by Nonroad interface at 2/7/2007 11:39:03 AM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information.  Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

9/2005 epa: Add growth & tech years to OPTIONS packet
  and Counties & Retrofit files to RUNFILES packet.

-----------------------------------------------------

                  PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated.  The order of the
records matter.  The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

1  - Char 10  - Period type for this simulation.
                  Valid responses are: ANNUAL, SEASONAL, and MONTHLY
2  - Char 10  - Type of inventory produced.
                  Valid responses are: TYPICAL DAY and PERIOD TOTAL
3  - Integer  - year of episode (4 digit year)
4  - Char 10  - Month of episode (use complete name of month)
5  - Char 10  - Type of day
                  Valid responses are: WEEKDAY and WEEKEND
-----------------------------------------------------
/PERIOD/
Period type        : Seasonal
Summation type     : Typical day
Year of episode    : 2012
Season of year     : Summer
Month of year      :
Weekday or weekend : Weekday
Year of growth calc:
Year of tech sel   :
/END/

-----------------------------------------------------

                  OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model.  Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

1  -  Char 80  - First title on reports
2  -  Char 80  - Second title on reports
3  -  Real 10  - Fuel RVP of gasoline for this simulation
4  -  Real 10  - Oxygen weight percent of gasoline for simulation
5  -  Real 10  - Percent sulfur for gasoline
6  -  Real 10  - Percent sulfur for diesel
7  -  Real 10  - Percent sulfur for LPG/CNG
8  -  Real 10  - Minimum daily temperature (deg. F)
9  -  Real 10  - maximum daily temperature (deg. F)
```

```
10 -  Real 10  - Representative average daily temperature (deg. F)
11 -  Char 10  - Flag to determine if region is high altitude
                      Valid responses are: HIGH and LOW
12 -  Char 10  - Flag to determine if RFG adjustments are made
                      Valid responses are: YES and NO
-----------------------------------------------------
/OPTIONS/
Title 1            : TEST 2012 PEI FOR GrCT OZONE (MARINE S?)
Title 2            : FEB 2, 2007
Fuel RVP for gas   : 6.86
Oxygen Weight %    : 3.5
Gas sulfur %       : 0.0030
Diesel sulfur %    : 0.0031
Marine Dsl sulfur %: 0.0123
CNG/LPG sulfur %   : 0.003
Minimum temper. (F): 67.7
Maximum temper. (F): 95.5
Average temper. (F): 86.2
Altitude of region : LOW
/END/

-----------------------------------------------------
                  REGION PACKET

This is the packet that defines the region for which
emissions are to be estimated.

The first record tells the type of region and
allocation to perform.

Valid responses are:
US TOTAL   -  emissions are for entire USA without state
              breakout.

50STATE    -  emissions are for all 50 states
              and Washington D.C., by state.

STATE      -  emissions are for a select group of states
              and are state-level estimates

COUNTY     -  emissions are for a select group of counties
              and are county level estimates.  If necessary,
              allocation from state to county will be performed.

SUBCOUNTY  -  emissions are for the specified sub counties
              and are subcounty level estimates.  If necessary,
              county to subcounty allocation will be performed.

The remaining records define the regions to be included.
The type of data which must be specified depends on the
region level.

US TOTAL   -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

50STATE    -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

STATE      -  state FIPS codes

COUNTY     -  state or county FIPS codes.  State FIPS
```

```
              code means include all counties in the
              state.

SUBCOUNTY  -  county FIPS code and subregion code.
-----------------------------------------------------
/REGION/
Region Level       : COUNTY
Hartford County CT : 09003
Litchfield Count CT: 09005
New London Count CT: 09011
Tolland County CT  : 09013
Windham County CT  : 09015
/END/

or use -
Region Level       : STATE
Michigan           : 26000
-----------------------------------------------------

                  SOURCE CATEGORY PACKET

This packet is used to tell the model which source
categories are to be processed.  It is optional.
If used, only those source categories list will
appear in the output data file.  If the packet is
not found, the model will process all source
categories in the population files.
-----------------------------------------------------


Diesel Only -
                   :2270000000
                   :2282020000
                   :2285002015
Spark Ignition Only -
                   :2260000000
                   :2265000000
                   :2267000000
                   :2268000000
                   :2282005010
                   :2282005015
                   :2282010005
                   :2285004015
                   :2285006015
-----------------------------------------------------
 This is the packet that lists the names of output files
 and some of the input data files read by the model.  If
 a drive:\path\ is not given, the location of the
 NONROAD.EXE file itself is assumed.  You will probably
 want to change the names of the Output and Message files
 to match that of the OPTion file, e.g., MICH-97.OPT,
 MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----------------------------------------------------
/RUNFILES/
ALLOC XREF         : data\allocate\allocate.xrf
ACTIVITY           : data\activity\activity.dat
EXH TECHNOLOGY     : data\tech\tech-exh.dat
EVP TECHNOLOGY     : data\tech\tech-evp.dat
SEASONALITY        : data\season\season.dat
REGIONS            : data\season\season.dat
MESSAGE            : c:\nonroad\ctpei12\peigr12.msg
```

```
OUTPUT DATA        : c:\nonroad\ctpei12\peigr12.out
EPS2 AMS           :
US COUNTIES FIPS   : data\allocate\fips.dat
RETROFIT           :
/END/

-----------------------------------------------------
This is the packet that defines the equipment population
files read by the model.
-----------------------------------------------------
/POP FILES/
Population File    : c:\nonroad\data\pop\ct.pop
/END/

POPULATION FILE    : c:\nonroad\data\POP\MI.POP


-----------------------------------------------------
This is the packet that defines the growth files
files read by the model.
-----------------------------------------------------
/GROWTH FILES/
National defaults  : data\growth\nation.grw
/END/


/ALLOC FILES/
Air trans. empl.   :c:\nonroad\data\allocate\ct_airtr.alo
Undergrnd coal prod:c:\nonroad\data\allocate\ct_coal.alo
Construction cost  :c:\nonroad\data\allocate\ct_const.alo
Harvested acres    :c:\nonroad\data\allocate\ct_farms.alo
Golf course estab. :c:\nonroad\data\allocate\ct_golf.alo
Wholesale estab.   :c:\nonroad\data\allocate\ct_holsl.alo
Family housing     :c:\nonroad\data\allocate\ct_house.alo
Logging employees  :c:\nonroad\data\allocate\ct_loggn.alo
Landscaping empl.  :c:\nonroad\data\allocate\ct_lscap.alo
Manufacturing empl.:c:\nonroad\data\allocate\ct_mnfg.alo
Oil & gas employees:c:\nonroad\data\allocate\ct_oil.alo
Census population  :c:\nonroad\data\allocate\ct_pop.alo
Allocation File    :c:\nonroad\data\allocate\ct_rail.alo
RV Park establish. :c:\nonroad\data\allocate\ct_rvprk.alo
Snowblowers comm.  :c:\nonroad\data\allocate\ct_sbc.alo
Snowblowers res.   :c:\nonroad\data\allocate\ct_sbr.alo
Snowmobiles        :c:\nonroad\data\allocate\ct_snowm.alo
Rec marine inboard :c:\nonroad\data\allocate\ct_wib.alo
Rec marine outboard:c:\nonroad\data\allocate\ct_wob.alo
/END/
-----------------------------------------------------
This is the packet that defines the emssions factors
files read by the model.
-----------------------------------------------------
/EMFAC FILES/
THC exhaust        : data\emsfac\exhthc.emf
CO exhaust         : data\emsfac\exhco.emf
NOX exhaust        : data\emsfac\exhnox.emf
PM exhaust         : data\emsfac\exhpm.emf
BSFC               : data\emsfac\bsfc.emf
Crankcase          : data\emsfac\crank.emf
Spillage           : data\emsfac\spillage.emf
Diurnal            : data\emsfac\evdiu.emf
TANK PERM          : data\emsfac\evtank.emf
```

```
NON-RM HOSE PERM   : data\emsfac\evhose.emf
RM FILL NECK PERM  : data\emsfac\evneck.emf
RM SUPPLY/RETURN   : data\emsfac\evsupret.emf
RM VENT PERM       : data\emsfac\evvent.emf
HOT SOAKS          : data\emsfac\evhotsk.emf
RUNINGLOSS         : data\emsfac\evrunls.emf
/END/

-----------------------------------------------------
This is the packet that defines the deterioration factors
files read by the model.
-----------------------------------------------------
/DETERIORATE FILES/
THC exhaust        : data\detfac\exhthc.det
CO exhaust         : data\detfac\exhco.det
NOX exhaust        : data\detfac\exhnox.det
PM exhaust         : data\detfac\exhpm.det
Diurnal            : data\detfac\evdiu.det
/END/

Optional Packets - Add initial slash "/" to activate

/STAGE II/
Control Factor     : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

/MODELYEAR OUT/
EXHAUST BMY OUT    :
EVAP BMY OUT       :
/END/

SI REPORT/
SI report file-CSV :OUTPUTS\NRPOLLUT.CSV
/END/

/DAILY FILES/
DAILY TEMPS/RVP    :
/END/

PM Base Sulfur
 cols 1-10: dsl tech type;
 11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
/PM BASE SULFUR/
T2        0.2000    0.02247
T3        0.2000    0.02247
T3B       0.0500    0.02247
T4A       0.0500    0.02247
T4B       0.0015    0.02247
T4        0.0015    0.30
T4N       0.0015    0.30
/END/
```

Southwest Connecticut 2012 NONROAD2005 Input

```
Written by Nonroad interface at 2/7/2007 11:48:33 AM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information.  Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

9/2005 epa: Add growth & tech years to OPTIONS packet
  and Counties & Retrofit files to RUNFILES packet.

-----------------------------------------------------

                  PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated.  The order of the
records matter.  The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

1  - Char 10  - Period type for this simulation.
                  Valid responses are: ANNUAL, SEASONAL, and MONTHLY
2  - Char 10  - Type of inventory produced.
                  Valid responses are: TYPICAL DAY and PERIOD TOTAL
3  - Integer  - year of episode (4 digit year)
4  - Char 10  - Month of episode (use complete name of month)
5  - Char 10  - Type of day
                  Valid responses are: WEEKDAY and WEEKEND
-----------------------------------------------------
/PERIOD/
Period type        : Seasonal
Summation type     : Typical day
Year of episode    : 2012
Season of year     : Summer
Month of year      :
Weekday or weekend : Weekday
Year of growth calc:
Year of tech sel   :
/END/

-----------------------------------------------------

                  OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model.  Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

1  -  Char 80  - First title on reports
2  -  Char 80  - Second title on reports
3  -  Real 10  - Fuel RVP of gasoline for this simulation
4  -  Real 10  - Oxygen weight percent of gasoline for simulation
5  -  Real 10  - Percent sulfur for gasoline
6  -  Real 10  - Percent sulfur for diesel
7  -  Real 10  - Percent sulfur for LPG/CNG
8  -  Real 10  - Minimum daily temperature (deg. F)
9  -  Real 10  - maximum daily temperature (deg. F)
```

```
10 -  Real 10  - Representative average daily temperature (deg. F)
11 -  Char 10  - Flag to determine if region is high altitude
                      Valid responses are: HIGH and LOW
12 -  Char 10  - Flag to determine if RFG adjustments are made
                      Valid responses are: YES and NO
-----------------------------------------------------
/OPTIONS/
Title 1            : TEST 2012 PEI FOR SWCT OZONE (MARINE S?)
Title 2            : FEB 2, 2007
Fuel RVP for gas   : 6.86
Oxygen Weight %    : 3.5
Gas sulfur %       : 0.0030
Diesel sulfur %    : 0.0031
Marine Dsl sulfur %: 0.0123
CNG/LPG sulfur %   : 0.003
Minimum temper. (F): 66.5
Maximum temper. (F): 91.6
Average temper. (F): 83.2
Altitude of region : LOW
/END/

-----------------------------------------------------
                  REGION PACKET

This is the packet that defines the region for which
emissions are to be estimated.

The first record tells the type of region and
allocation to perform.

Valid responses are:
US TOTAL   -  emissions are for entire USA without state
              breakout.

50STATE    -  emissions are for all 50 states
              and Washington D.C., by state.

STATE      -  emissions are for a select group of states
              and are state-level estimates

COUNTY     -  emissions are for a select group of counties
              and are county level estimates.  If necessary,
              allocation from state to county will be performed.

SUBCOUNTY  -  emissions are for the specified sub counties
              and are subcounty level estimates.  If necessary,
              county to subcounty allocation will be performed.

The remaining records define the regions to be included.
The type of data which must be specified depends on the
region level.

US TOTAL   -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

50STATE    -  Nothing needs to be specified.  The FIPS
              code 00000 is used automatically.

STATE      -  state FIPS codes

COUNTY     -  state or county FIPS codes.  State FIPS
```

```
              code means include all counties in the
              state.

SUBCOUNTY  -  county FIPS code and subregion code.
-----------------------------------------------------
/REGION/
Region Level       : COUNTY
Fairfield County CT: 09001
Middlesex County CT: 09007
New Haven County CT: 09009
/END/

or use -
Region Level       : STATE
Michigan           : 26000
-----------------------------------------------------

                  SOURCE CATEGORY PACKET

This packet is used to tell the model which source
categories are to be processed.  It is optional.
If used, only those source categories list will
appear in the output data file.  If the packet is
not found, the model will process all source
categories in the population files.
-----------------------------------------------------


Diesel Only -
                   :2270000000
                   :2282020000
                   :2285002015
Spark Ignition Only -
                   :2260000000
                   :2265000000
                   :2267000000
                   :2268000000
                   :2282005010
                   :2282005015
                   :2282010005
                   :2285004015
                   :2285006015
-----------------------------------------------------
 This is the packet that lists the names of output files
 and some of the input data files read by the model.  If
 a drive:\path\ is not given, the location of the
 NONROAD.EXE file itself is assumed.  You will probably
 want to change the names of the Output and Message files
 to match that of the OPTion file, e.g., MICH-97.OPT,
 MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----------------------------------------------------
/RUNFILES/
ALLOC XREF         : data\allocate\allocate.xrf
ACTIVITY           : data\activity\activity.dat
EXH TECHNOLOGY     : data\tech\tech-exh.dat
EVP TECHNOLOGY     : data\tech\tech-evp.dat
SEASONALITY        : data\season\season.dat
REGIONS            : data\season\season.dat
MESSAGE            : c:\nonroad\ctpei12\peisw12.msg
OUTPUT DATA        : c:\nonroad\ctpei12\peisw12.out
EPS2 AMS           :
```

```
US COUNTIES FIPS   : data\allocate\fips.dat
RETROFIT           :
/END/

-------------------------------------------------------
This is the packet that defines the equipment population
files read by the model.
-------------------------------------------------------
/POP FILES/
Population File    : c:\nonroad\data\pop\ct.pop
/END/

POPULATION FILE    : c:\nonroad\data\POP\MI.POP


-------------------------------------------------------
This is the packet that defines the growth files
files read by the model.
-------------------------------------------------------
/GROWTH FILES/
National defaults  : data\growth\nation.grw
/END/


/ALLOC FILES/
Air trans. empl.   :c:\nonroad\data\allocate\ct_airtr.alo
Undergrnd coal prod:c:\nonroad\data\allocate\ct_coal.alo
Construction cost  :c:\nonroad\data\allocate\ct_const.alo
Harvested acres    :c:\nonroad\data\allocate\ct_farms.alo
Golf course estab. :c:\nonroad\data\allocate\ct_golf.alo
Wholesale estab.   :c:\nonroad\data\allocate\ct_holsl.alo
Family housing     :c:\nonroad\data\allocate\ct_house.alo
Logging employees  :c:\nonroad\data\allocate\ct_loggn.alo
Landscaping empl.  :c:\nonroad\data\allocate\ct_lscap.alo
Manufacturing empl.:c:\nonroad\data\allocate\ct_mnfg.alo
Oil & gas employees:c:\nonroad\data\allocate\ct_oil.alo
Census population  :c:\nonroad\data\allocate\ct_pop.alo
Allocation File    :c:\nonroad\data\allocate\ct_rail.alo
RV Park establish. :c:\nonroad\data\allocate\ct_rvprk.alo
Snowblowers comm.  :c:\nonroad\data\allocate\ct_sbc.alo
Snowblowers res.   :c:\nonroad\data\allocate\ct_sbr.alo
Snowmobiles        :c:\nonroad\data\allocate\ct_snowm.alo
Rec marine inboard :c:\nonroad\data\allocate\ct_wib.alo
Rec marine outboard:c:\nonroad\data\allocate\ct_wob.alo
/END/
-------------------------------------------------------
This is the packet that defines the emssions factors
files read by the model.
-------------------------------------------------------
/EMFAC FILES/
THC exhaust        : data\emsfac\exhthc.emf
CO exhaust         : data\emsfac\exhco.emf
NOX exhaust        : data\emsfac\exhnox.emf
PM exhaust         : data\emsfac\exhpm.emf
BSFC               : data\emsfac\bsfc.emf
Crankcase          : data\emsfac\crank.emf
Spillage           : data\emsfac\spillage.emf
Diurnal            : data\emsfac\evdiu.emf
TANK PERM          : data\emsfac\evtank.emf
NON-RM HOSE PERM   : data\emsfac\evhose.emf
RM FILL NECK PERM  : data\emsfac\evneck.emf
```

```
RM SUPPLY/RETURN   : data\emsfac\evsupret.emf
RM VENT PERM       : data\emsfac\evvent.emf
HOT SOAKS          : data\emsfac\evhotsk.emf
RUNINGLOSS         : data\emsfac\evrunls.emf
/END/

----------------------------------------------------
This is the packet that defines the deterioration factors
files read by the model.
----------------------------------------------------
/DETERIORATE FILES/
THC exhaust        : data\detfac\exhthc.det
CO exhaust         : data\detfac\exhco.det
NOX exhaust        : data\detfac\exhnox.det
PM exhaust         : data\detfac\exhpm.det
Diurnal            : data\detfac\evdiu.det
/END/

Optional Packets - Add initial slash "/" to activate

/STAGE II/
Control Factor     : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

/MODELYEAR OUT/
EXHAUST BMY OUT    :
EVAP BMY OUT       :
/END/

SI REPORT/
SI report file-CSV :OUTPUTS\NRPOLLUT.CSV
/END/

/DAILY FILES/
DAILY TEMPS/RVP    :
/END/

PM Base Sulfur
 cols 1-10: dsl tech type;
 11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
/PM BASE SULFUR/
T2        0.2000    0.02247
T3        0.2000    0.02247
T3B       0.0500    0.02247
T4A       0.0500    0.02247
T4B       0.0015    0.02247
T4        0.0015    0.30
T4N       0.0015    0.30
/END/
```

MOBILE6.2 Modeling – Files that Differ from 2002 PEI

1) 2002 MOBILE6.2 Primary Input File ("02TEST.IN")

```
MOBILE6 INPUT FILE :
* For VOC and NOx Only
SPREADSHEET       :
DATABASE OUTPUT   :
POLLUTANTS        : HC NOX
DATABASE OPTIONS  : CTdb.opt

RUN DATA
> 2002 test input file for 8-hr ozone SIP using 8-hr ozone inputs; created 3/22/07 PMB

>*********Fairfield Expressway
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE     : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT         : 02svmt1S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs
slightly from 2002 PEI)
VMT FRACTIONS     :
```

0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD   : Fairfield County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2002
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES   : 29.53

END OF RUN

>**********Fairfield Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE   : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG   :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT   : 02svmt1S.cty
VMT BY FACILITY   : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Fairfield County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Fairfield Local **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data

```
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT         : 02svmt1S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from
2002 PEI)
VMT FRACTIONS     :
0.5161  0.0785  0.2610  0.0805  0.0370  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD   : Fairfield County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr
met
CALENDAR YEAR     : 2002
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES   : 29.53

END OF RUN

>**********Fairfield Ramp
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE     : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 78 50 22222 21111111 1 12 095. 12111112
```

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt1S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Fairfield County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Hartford Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI

```
I/M DESC FILE      : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT          : 02svmt2S.cty
VMT BY FACILITY    : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs
slightly from 2002 PEI)
VMT FRACTIONS      :
0.4822  0.0733  0.2439  0.0752  0.0346  0.0291  0.0029  0.0023
0.0017  0.0064  0.0076  0.0083  0.0297  0.0014  0.0007  0.0007

SCENARIO RECORD    : Hartford County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr
met
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>******************Hartford Arterials/Collectors ***************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D
```

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt2S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Hartford County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Hartford Local **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data

```
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE     : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT         : 02svmt2S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from
2002 PEI)
VMT FRACTIONS     :
0.5161  0.0785  0.2610  0.0805  0.0370  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD   : Hartford County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr
met
CALENDAR YEAR     : 2002
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Hartford Ramp
**************************************************
```

```
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE     : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT         : 02svmt2S.cty
VMT BY FACILITY   : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs
slightly from 2002 PEI)
VMT FRACTIONS     :
0.4822  0.0733  0.2439  0.0752  0.0346  0.0291  0.0029  0.0023
0.0017  0.0064  0.0076  0.0083  0.0297  0.0014  0.0007  0.0007

SCENARIO RECORD   : Hartford County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr
met
CALENDAR YEAR     : 2002
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89
```

END OF RUN

>**********Litchfield Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt3S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Litchfield County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Litchfield Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
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SPEED VMT : 02svmt3S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
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0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Litchfield County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").

```
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>******************Litchfield  Local ****************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE     : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
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> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT         : 02svmt3S.cty
VMT BY FACILITY    : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from
2002 PEI)
VMT FRACTIONS     :
0.5161  0.0785  0.2610  0.0805  0.0370  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048
```

SCENARIO RECORD : Litchfield County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Litchfield Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt3S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Litchfield County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Middlesex Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def

> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt4S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Middlesex County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Middlesex Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)

```
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT          : 02svmt4S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly
from 2002 PEI)
VMT FRACTIONS      :
0.5116  0.0777  0.2586  0.0797  0.0367  0.0107  0.0011  0.0008
0.0006  0.0024  0.0028  0.0031  0.0109  0.0005  0.0003  0.0025

SCENARIO RECORD    : Middlesex County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr
met
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES    : 29.53

END OF RUN


>******************Middlesex  Local ******************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE      : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
```

```
ANTI-TAMP PROG     :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT          : 02svmt4S.cty
VMT BY FACILITY    : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from
2002 PEI)
VMT FRACTIONS      :
0.5161  0.0785  0.2610  0.0805  0.0370  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD    : Middlesex County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr
met
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES    : 29.53

END OF RUN

>**********Middlesex Ramp
************************************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D
```

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt4S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Middlesex County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N

NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt5S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : New Haven County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Arterials/Collectors **********

* Northeast NLEV inputs

94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt5S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : New Haven County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Local **********

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE   : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG   :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT   : 02svmt5S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS   :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD   : New Haven County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 66.5 91.6

RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt5S.cty
VMT BY FACILITY : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : New Haven County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New London Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt6S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : New London County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********New London Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt6S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)

```
VMT FRACTIONS      :
0.5116  0.0777  0.2586  0.0797  0.0367  0.0107  0.0011  0.0008
0.0006  0.0024  0.0028  0.0031  0.0109  0.0005  0.0003  0.0025

SCENARIO RECORD    : New London County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2,
8-hr met
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>******************New London  Local ******************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE      : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
```

```
SPEED VMT         : 02svmt6S.cty
VMT BY FACILITY    : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from
2002 PEI)
VMT FRACTIONS      :
0.5161  0.0785  0.2610  0.0805  0.0370  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD    : New London County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2,
8-hr met
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>*******************New London Ramp
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE      : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07
```

```
* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT          : 02svmt6S.cty
VMT BY FACILITY    : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs
slightly from 2002 PEI)
VMT FRACTIONS      :
0.4822  0.0733  0.2439  0.0752  0.0346  0.0291  0.0029  0.0023
0.0017  0.0064  0.0076  0.0083  0.0297  0.0014  0.0007  0.0007

SCENARIO RECORD    : New London County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2,
8-hr met
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>**********Tolland Expressway
************************************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE      : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
```

```
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT          : 02svmt7S.cty
VMT BY FACILITY    : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs
slightly from 2002 PEI)
VMT FRACTIONS      :
0.4822  0.0733  0.2439  0.0752  0.0346  0.0291  0.0029  0.0023
0.0017  0.0064  0.0076  0.0083  0.0297  0.0014  0.0007  0.0007

SCENARIO RECORD    : Tolland County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr
met
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>**********Tolland Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :
```

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt7S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Tolland County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Tolland Local **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt7S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Tolland County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Tolland Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

```
* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE      : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT          : 02svmt7S.cty
VMT BY FACILITY    : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs
slightly from 2002 PEI)
VMT FRACTIONS      :
0.4822  0.0733  0.2439  0.0752  0.0346  0.0291  0.0029  0.0023
0.0017  0.0064  0.0076  0.0083  0.0297  0.0014  0.0007  0.0007

SCENARIO RECORD    : Tolland County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr
met
CALENDAR YEAR      : 2002
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN
```

>**********Windham Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt8S.cty
VMT BY FACILITY : FCVMTF.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.4822 0.0733 0.2439 0.0752 0.0346 0.0291 0.0029 0.0023
0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD : Windham County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7

47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Windham Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt8S.cty
VMT BY FACILITY : FCVMTA.cty

> 2002 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", but differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5116 0.0777 0.2586 0.0797 0.0367 0.0107 0.0011 0.0008
0.0006 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Windham County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Windham Local **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002 PEI
SPEED VMT : 02svmt8S.cty
VMT BY FACILITY : FCVMTL.cty

> 2002 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs slightly from 2002 PEI)
VMT FRACTIONS :
0.5161 0.0785 0.2610 0.0805 0.0370 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Windham County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2002

```
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>*******************Windham Ramp
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; 2002 program same as in 2002 PEI
I/M DESC FILE     : CTIM02.D
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 78 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2002 estimates (Series 28D), more recent than in 2002
PEI
SPEED VMT         : 02svmt8S.cty
VMT BY FACILITY    : FCVMTR.cty

> 2002 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls", differs
slightly from 2002 PEI)
VMT FRACTIONS     :
0.4822  0.0733  0.2439  0.0752  0.0346  0.0291  0.0029  0.0023
```

0.0017 0.0064 0.0076 0.0083 0.0297 0.0014 0.0007 0.0007

SCENARIO RECORD   : Windham County 2002 O3 SEASON w/ASM I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2002
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

2) 2008 MOBILE6.2 Primary Input File (“08TEST.IN”)

```
MOBILE6 INPUT FILE :
* For VOC and NOx Only
SPREADSHEET       :
DATABASE OUTPUT   :
POLLUTANTS        : HC NOX
DATABASE OPTIONS  : CTdb.opt

RUN DATA
> 2008 test input file for 8-hr ozone SIP using 8-hr ozone inputs; created 3/23/07 PMB
> Sticking with NLEV inputs until figure out how to do CALEV2 (expect little difference since CALEV2
not until 2008MY)

>*********************Fairfield Expressway
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT         : 08svmt1S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3963  0.0880  0.2932  0.0903  0.0415  0.0289  0.0028  0.0023
0.0018  0.0065  0.0076  0.0083  0.0296  0.0015  0.0007  0.0007
```

SCENARIO RECORD : Fairfield County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Fairfield Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT : 08svmt1S.cty
VMT BY FACILITY : FCVMTA.cty

> 2008 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.4201 0.0934 0.3109 0.0958 0.0440 0.0107 0.0010 0.0009

0.0007 0.0024 0.0028 0.0031 0.0109 0.0006 0.0002 0.0025

SCENARIO RECORD   : Fairfield County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2008
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES   : 29.53

END OF RUN

>**********Fairfield Local **********

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG   :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT   : 08svmt1S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2008 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.4240 0.0942 0.3138 0.0967 0.0444 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Fairfield County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Fairfield Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)

SPEED VMT : 08svmt1S.cty
VMT BY FACILITY : FCVMTR.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3963 0.0880 0.2932 0.0903 0.0415 0.0289 0.0028 0.0023
0.0018 0.0065 0.0076 0.0083 0.0296 0.0015 0.0007 0.0007

SCENARIO RECORD : Fairfield County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Hartford Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

```
* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT         : 08svmt2S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3963  0.0880  0.2932  0.0903  0.0415  0.0289  0.0028  0.0023
0.0018  0.0065  0.0076  0.0083  0.0296  0.0015  0.0007  0.0007

SCENARIO RECORD   : Hartford County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2008
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>******************Hartford Arterials/Collectors ***************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
```

```
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT          : 08svmt2S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2008 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4201  0.0934  0.3109  0.0958  0.0440  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0006  0.0002  0.0025

SCENARIO RECORD    : Hartford County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>******************Hartford  Local ******************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 84 50 22222 21111111 1 12 095. 12111112
```

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT   : 08svmt2S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2008 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS   :
0.4240 0.0942 0.3138 0.0967 0.0444 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD   : Hartford County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2008
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Hartford Ramp
****

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d

```
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT          : 08svmt2S.cty
VMT BY FACILITY    : FCVMTR.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3963  0.0880  0.2932  0.0903  0.0415  0.0289  0.0028  0.0023
0.0018  0.0065  0.0076  0.0083  0.0296  0.0015  0.0007  0.0007

SCENARIO RECORD    : Hartford County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>**********Litchfield Expressway
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :
```

```
> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT          : 08svmt3S.cty
VMT BY FACILITY    : FCVMTF.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3963  0.0880  0.2932  0.0903  0.0415  0.0289  0.0028  0.0023
0.0018  0.0065  0.0076  0.0083  0.0296  0.0015  0.0007  0.0007

SCENARIO RECORD    : Litchfield County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>******************Litchfield Arterials/Collectors ***************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D
```

```
EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT          : 08svmt3S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2008 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4201  0.0934  0.3109  0.0958  0.0440  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0006  0.0002  0.0025

SCENARIO RECORD    : Litchfield County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>******************Litchfield  Local ******************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :
```

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT : 08svmt3S.cty
VMT BY FACILITY : FCVMTL.cty

> 2008 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.4240 0.0942 0.3138 0.0967 0.0444 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Litchfield County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Litchfield Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

```
* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT         : 08svmt3S.cty
VMT BY FACILITY   : FCVMTR.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3963  0.0880  0.2932  0.0903  0.0415  0.0289  0.0028  0.0023
0.0018  0.0065  0.0076  0.0083  0.0296  0.0015  0.0007  0.0007

SCENARIO RECORD   : Litchfield County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2008
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Middlesex Expressway
**************************************************
```

```
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT         : 08svmt4S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3963  0.0880  0.2932  0.0903  0.0415  0.0289  0.0028  0.0023
0.0018  0.0065  0.0076  0.0083  0.0296  0.0015  0.0007  0.0007

SCENARIO RECORD   : Middlesex County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2008
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES   : 29.53

END OF RUN
```

>**********Middlesex Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT : 08svmt4S.cty
VMT BY FACILITY : FCVMTA.cty

> 2008 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.4201 0.0934 0.3109 0.0958 0.0440 0.0107 0.0010 0.0009
0.0007 0.0024 0.0028 0.0031 0.0109 0.0006 0.0002 0.0025

SCENARIO RECORD : Middlesex County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Middlesex Local **********

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG   :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT   : 08svmt4S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2008 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS   :
0.4240 0.0942 0.3138 0.0967 0.0444 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD   : Middlesex County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9

56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Middlesex Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT : 08svmt4S.cty
VMT BY FACILITY : FCVMTR.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3963 0.0880 0.2932 0.0903 0.0415 0.0289 0.0028 0.0023
0.0018 0.0065 0.0076 0.0083 0.0296 0.0015 0.0007 0.0007

SCENARIO RECORD : Middlesex County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT : 08svmt5S.cty
VMT BY FACILITY : FCVMTF.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3963 0.0880 0.2932 0.0903 0.0415 0.0289 0.0028 0.0023
0.0018 0.0065 0.0076 0.0083 0.0296 0.0015 0.0007 0.0007

SCENARIO RECORD : New Haven County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP

```
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES    : 29.53

END OF RUN

>*******************New Haven Arterials/Collectors ***************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT         : 08svmt5S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2008 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.4201  0.0934  0.3109  0.0958  0.0440  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0006  0.0002  0.0025

SCENARIO RECORD    : New Haven County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2008
EVALUATION MONTH   : 7
```

```
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES    : 29.53

END OF RUN


>******************New Haven  Local ******************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT         : 08svmt5S.cty
VMT BY FACILITY    : FCVMTL.cty

> 2008 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.4240  0.0942  0.3138  0.0967  0.0444  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048
```

SCENARIO RECORD : New Haven County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT : 08svmt5S.cty
VMT BY FACILITY : FCVMTR.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :

0.3963 0.0880 0.2932 0.0903 0.0415 0.0289 0.0028 0.0023
0.0018 0.0065 0.0076 0.0083 0.0296 0.0015 0.0007 0.0007

SCENARIO RECORD   : New Haven County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2008
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES   : 29.53

END OF RUN

>**********New London Expressway
****

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG   :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT   : 08svmt6S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3963 0.0880 0.2932 0.0903 0.0415 0.0289 0.0028 0.0023
0.0018 0.0065 0.0076 0.0083 0.0296 0.0015 0.0007 0.0007

SCENARIO RECORD : New London County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********New London Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)

SPEED VMT : 08svmt6S.cty
VMT BY FACILITY : FCVMTA.cty

> 2008 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.4201 0.0934 0.3109 0.0958 0.0440 0.0107 0.0010 0.0009
0.0007 0.0024 0.0028 0.0031 0.0109 0.0006 0.0002 0.0025

SCENARIO RECORD : New London County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********New London Local **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

```
* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT         : 08svmt6S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2008 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.4240  0.0942  0.3138  0.0967  0.0444  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD   : New London County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap,
ATP, RFG2, 8-hr met
CALENDAR YEAR     : 2008
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********New London Ramp
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 84 50 22222 21111111 1 12 095. 12111112
```

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT : 08svmt6S.cty
VMT BY FACILITY : FCVMTR.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3963 0.0880 0.2932 0.0903 0.0415 0.0289 0.0028 0.0023
0.0018 0.0065 0.0076 0.0083 0.0296 0.0015 0.0007 0.0007

SCENARIO RECORD : New London County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Tolland Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line

```
ANTI-TAMP PROG     :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT          : 08svmt7S.cty
VMT BY FACILITY    : FCVMTF.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3963  0.0880  0.2932  0.0903  0.0415  0.0289  0.0028  0.0023
0.0018  0.0065  0.0076  0.0083  0.0296  0.0015  0.0007  0.0007

SCENARIO RECORD    : Tolland County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>**********Tolland Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
```

```
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT          : 08svmt7S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2008 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4201  0.0934  0.3109  0.0958  0.0440  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0006  0.0002  0.0025

SCENARIO RECORD    : Tolland County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>**********Tolland  Local **********************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D
```

```
EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT          : 08svmt7S.cty
VMT BY FACILITY    : FCVMTL.cty

> 2008 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4240  0.0942  0.3138  0.0967  0.0444  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD    : Tolland County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>**********Tolland Ramp
************************************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :
```

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT : 08svmt7S.cty
VMT BY FACILITY : FCVMTR.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3963 0.0880 0.2932 0.0903 0.0415 0.0289 0.0028 0.0023
0.0018 0.0065 0.0076 0.0083 0.0296 0.0015 0.0007 0.0007

SCENARIO RECORD : Tolland County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Windham Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data

```
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT         : 08svmt8S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3963  0.0880  0.2932  0.0903  0.0415  0.0289  0.0028  0.0023
0.0018  0.0065  0.0076  0.0083  0.0296  0.0015  0.0007  0.0007

SCENARIO RECORD   : Windham County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2008
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Windham Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D
```

```
* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT          : 08svmt8S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2008 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4201  0.0934  0.3109  0.0958  0.0440  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0006  0.0002  0.0025

SCENARIO RECORD    : Windham County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2008
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>**********Windham  Local **********
```

```
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT         : 08svmt8S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2008 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.4240  0.0942  0.3138  0.0967  0.0444  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD   : Windham County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2008
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN
```

>**********Windham Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 84 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2008 estimates (Series 28D)
SPEED VMT : 08svmt8S.cty
VMT BY FACILITY : FCVMTR.cty

> 2008 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3963 0.0880 0.2932 0.0903 0.0415 0.0289 0.0028 0.0023
0.0018 0.0065 0.0076 0.0083 0.0296 0.0015 0.0007 0.0007

SCENARIO RECORD : Windham County 2008 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2008
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

BAROMETRIC PRES : 29.89

END OF RUN

3) 2009 MOBILE6.2 Primary Input File (“09TEST.IN”)

```
MOBILE6 INPUT FILE :
* For VOC and NOx Only
SPREADSHEET       :
DATABASE OUTPUT   :
POLLUTANTS        : HC NOX
DATABASE OPTIONS  : CTdb.opt

RUN DATA
> 2009 test input file for 8-hr ozone SIP using 8-hr ozone inputs; created 3/23/07 PMB
> Sticking with NLEV inputs until figure out how to do CALEV2 (expect little difference since CALEV2
not until 2008MY)

>*********************Fairfield Expressway
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT         : 09svmt1S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3821  0.0905  0.3013  0.0929  0.0427  0.0288  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0295  0.0015  0.0007  0.0007
```

SCENARIO RECORD : Fairfield County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Fairfield Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT : 09svmt1S.cty
VMT BY FACILITY : FCVMTA.cty

> 2009 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.4050 0.0959 0.3195 0.0985 0.0453 0.0107 0.0010 0.0009

0.0007 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD   : Fairfield County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES   : 29.53

END OF RUN

>**********Fairfield Local **********

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG   :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT   : 09svmt1S.cty
VMT BY FACILITY   : FCVMTL.cty

```
> 2009 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4088  0.0968  0.3225  0.0994  0.0457  0.0070  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD    : Fairfield County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES    : 29.53

END OF RUN

>********************Fairfield Ramp
************************************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
```

SPEED VMT : 09svmt1S.cty
VMT BY FACILITY : FCVMTR.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3821 0.0905 0.3013 0.0929 0.0427 0.0288 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0295 0.0015 0.0007 0.0007

SCENARIO RECORD : Fairfield County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Hartford Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

```
* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT         : 09svmt2S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3821  0.0905  0.3013  0.0929  0.0427  0.0288  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0295  0.0015  0.0007  0.0007

SCENARIO RECORD   : Hartford County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2009
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>******************Hartford Arterials/Collectors ***************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
```

```
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT          : 09svmt2S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2009 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4050  0.0959  0.3195  0.0985  0.0453  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0005  0.0003  0.0025

SCENARIO RECORD    : Hartford County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>**********Hartford  Local **********

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112
```

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT   : 09svmt2S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2009 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS   :
0.4088 0.0968 0.3225 0.0994 0.0457 0.0070 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD   : Hartford County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Hartford Ramp
****

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d

```
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT          : 09svmt2S.cty
VMT BY FACILITY    : FCVMTR.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3821  0.0905  0.3013  0.0929  0.0427  0.0288  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0295  0.0015  0.0007  0.0007

SCENARIO RECORD    : Hartford County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>**********Litchfield Expressway
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :
```

```
> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT          : 09svmt3S.cty
VMT BY FACILITY    : FCVMTF.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3821  0.0905  0.3013  0.0929  0.0427  0.0288  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0295  0.0015  0.0007  0.0007

SCENARIO RECORD    : Litchfield County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>******************Litchfield Arterials/Collectors ***************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D
```

```
EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT          : 09svmt3S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2009 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4050  0.0959  0.3195  0.0985  0.0453  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0005  0.0003  0.0025

SCENARIO RECORD    : Litchfield County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>******************Litchfield  Local ******************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :
```

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT : 09svmt3S.cty
VMT BY FACILITY : FCVMTL.cty

> 2009 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.4088 0.0968 0.3225 0.0994 0.0457 0.0070 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Litchfield County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Litchfield Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

```
* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT         : 09svmt3S.cty
VMT BY FACILITY   : FCVMTR.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3821  0.0905  0.3013  0.0929  0.0427  0.0288  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0295  0.0015  0.0007  0.0007

SCENARIO RECORD   : Litchfield County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2009
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Middlesex Expressway
**************************************************
```

```
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT         : 09svmt4S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3821  0.0905  0.3013  0.0929  0.0427  0.0288  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0295  0.0015  0.0007  0.0007

SCENARIO RECORD   : Middlesex County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2009
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES   : 29.53

END OF RUN
```

>**********Middlesex Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT : 09svmt4S.cty
VMT BY FACILITY : FCVMTA.cty

> 2009 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.4050 0.0959 0.3195 0.0985 0.0453 0.0107 0.0010 0.0009
0.0007 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Middlesex County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Middlesex Local **********

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG   :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT   : 09svmt4S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2009 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS   :
0.4088 0.0968 0.3225 0.0994 0.0457 0.0070 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD   : Middlesex County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9

56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Middlesex Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT : 09svmt4S.cty
VMT BY FACILITY : FCVMTR.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3821 0.0905 0.3013 0.0929 0.0427 0.0288 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0295 0.0015 0.0007 0.0007

SCENARIO RECORD : Middlesex County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT : 09svmt5S.cty
VMT BY FACILITY : FCVMTF.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3821 0.0905 0.3013 0.0929 0.0427 0.0288 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0295 0.0015 0.0007 0.0007

SCENARIO RECORD : New Haven County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT : 09svmt5S.cty
VMT BY FACILITY : FCVMTA.cty

> 2009 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.4050 0.0959 0.3195 0.0985 0.0453 0.0107 0.0010 0.0009
0.0007 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : New Haven County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7

```
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES    : 29.53

END OF RUN


>******************New Haven  Local ******************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT         : 09svmt5S.cty
VMT BY FACILITY    : FCVMTL.cty

> 2009 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.4088  0.0968  0.3225  0.0994  0.0457  0.0070  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048
```

SCENARIO RECORD : New Haven County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT : 09svmt5S.cty
VMT BY FACILITY : FCVMTR.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :

0.3821 0.0905 0.3013 0.0929 0.0427 0.0288 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0295 0.0015 0.0007 0.0007

SCENARIO RECORD : New Haven County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New London Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT : 09svmt6S.cty
VMT BY FACILITY : FCVMTF.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3821 0.0905 0.3013 0.0929 0.0427 0.0288 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0295 0.0015 0.0007 0.0007

SCENARIO RECORD : New London County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********New London Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)

```
SPEED VMT         : 09svmt6S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2009 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4050  0.0959  0.3195  0.0985  0.0453  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0005  0.0003  0.0025

SCENARIO RECORD    : New London County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap,
ATP, RFG2, 8-hr met
CALENDAR YEAR      : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>******************New London  Local ****************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07
```

```
* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT         : 09svmt6S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2009 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.4088  0.0968  0.3225  0.0994  0.0457  0.0070  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD   : New London County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap,
ATP, RFG2, 8-hr met
CALENDAR YEAR     : 2009
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********New London Ramp
************************************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112
```

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT   : 09svmt6S.cty
VMT BY FACILITY   : FCVMTR.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS   :
0.3821 0.0905 0.3013 0.0929 0.0427 0.0288 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0295 0.0015 0.0007 0.0007

SCENARIO RECORD   : New London County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Tolland Expressway
****

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line

```
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT          : 09svmt7S.cty
VMT BY FACILITY    : FCVMTF.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3821  0.0905  0.3013  0.0929  0.0427  0.0288  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0295  0.0015  0.0007  0.0007

SCENARIO RECORD    : Tolland County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>******************Tolland Arterials/Collectors ***************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
```

```
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT          : 09svmt7S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2009 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4050  0.0959  0.3195  0.0985  0.0453  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0005  0.0003  0.0025

SCENARIO RECORD    : Tolland County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>**********Tolland  Local **********

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D
```

```
EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT          : 09svmt7S.cty
VMT BY FACILITY    : FCVMTL.cty

> 2009 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4088  0.0968  0.3225  0.0994  0.0457  0.0070  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD    : Tolland County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>**********Tolland Ramp
************************************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :
```

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT : 09svmt7S.cty
VMT BY FACILITY : FCVMTR.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3821 0.0905 0.3013 0.0929 0.0427 0.0288 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0295 0.0015 0.0007 0.0007

SCENARIO RECORD : Tolland County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Windham Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data

```
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT         : 09svmt8S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3821  0.0905  0.3013  0.0929  0.0427  0.0288  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0295  0.0015  0.0007  0.0007

SCENARIO RECORD   : Windham County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2009
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Windham Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D
```

```
* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT          : 09svmt8S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2009 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.4050  0.0959  0.3195  0.0985  0.0453  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0005  0.0003  0.0025

SCENARIO RECORD    : Windham County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2009
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>**********Windham  Local **********
```

```
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT         : 09svmt8S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2009 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.4088  0.0968  0.3225  0.0994  0.0457  0.0070  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD   : Windham County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2009
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN
```

>**********Windham Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2009 estimates (Series 28D)
SPEED VMT : 09svmt8S.cty
VMT BY FACILITY : FCVMTR.cty

> 2009 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3821 0.0905 0.3013 0.0929 0.0427 0.0288 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0295 0.0015 0.0007 0.0007

SCENARIO RECORD : Windham County 2009 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2009
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

BAROMETRIC PRES : 29.89

END OF RUN

4) 2012 MOBILE6.2 Primary Input File (“12TEST.IN”)

```
MOBILE6 INPUT FILE :
* For VOC and NOx Only
SPREADSHEET       :
DATABASE OUTPUT   :
POLLUTANTS        : HC NOX
DATABASE OPTIONS  : CTdb.opt

RUN DATA
> 2012 test input file for 8-hr ozone SIP using 8-hr ozone inputs; created 3/27/07 PMB
> Sticking with NLEV inputs until figure out how to do CALEV2 (expect little difference since CALEV2
not until 2008MY)

>*********************Fairfield Expressway
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT         : 12svmt1S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3495  0.0962  0.3201  0.0986  0.0453  0.0287  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0294  0.0015  0.0007  0.0007
```

SCENARIO RECORD : Fairfield County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Fairfield Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT : 12svmt1S.cty
VMT BY FACILITY : FCVMTA.cty

> 2012 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3704 0.1020 0.3392 0.1045 0.0481 0.0107 0.0010 0.0009

0.0007 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD   : Fairfield County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES   : 29.53

END OF RUN

>**********Fairfield Local **********

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG   :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT   : 12svmt1S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2012 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3738 0.1029 0.3424 0.1055 0.0485 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD : Fairfield County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Fairfield Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)

```
SPEED VMT         : 12svmt1S.cty
VMT BY FACILITY    : FCVMTR.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3495  0.0962  0.3201  0.0986  0.0453  0.0287  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0294  0.0015  0.0007  0.0007

SCENARIO RECORD    : Fairfield County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES    : 29.53

END OF RUN

>**********Hartford Expressway
************************************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07
```

```
* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT         : 12svmt2S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3495  0.0962  0.3201  0.0986  0.0453  0.0287  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0294  0.0015  0.0007  0.0007

SCENARIO RECORD   : Hartford County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2012
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>******************Hartford Arterials/Collectors ***************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
```

```
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT          : 12svmt2S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2012 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3704  0.1020  0.3392  0.1045  0.0481  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0005  0.0003  0.0025

SCENARIO RECORD    : Hartford County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>**********Hartford  Local **********************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112
```

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT   : 12svmt2S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2012 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS   :
0.3738 0.1029 0.3424 0.1055 0.0485 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD   : Hartford County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Hartford Ramp
****

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d

```
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT          : 12svmt2S.cty
VMT BY FACILITY    : FCVMTR.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3495  0.0962  0.3201  0.0986  0.0453  0.0287  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0294  0.0015  0.0007  0.0007

SCENARIO RECORD    : Hartford County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>**********Litchfield Expressway
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :
```

```
> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT          : 12svmt3S.cty
VMT BY FACILITY    : FCVMTF.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3495  0.0962  0.3201  0.0986  0.0453  0.0287  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0294  0.0015  0.0007  0.0007

SCENARIO RECORD    : Litchfield County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>******************Litchfield Arterials/Collectors ***************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D
```

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT : 12svmt3S.cty
VMT BY FACILITY : FCVMTA.cty

> 2012 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3704 0.1020 0.3392 0.1045 0.0481 0.0107 0.0010 0.0009
0.0007 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Litchfield County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Litchfield Local **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

```
> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT         : 12svmt3S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2012 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3738  0.1029  0.3424  0.1055  0.0485  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD   : Litchfield County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2012
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>*******************Litchfield Ramp
*****************************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D
```

```
* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT         : 12svmt3S.cty
VMT BY FACILITY   : FCVMTR.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3495  0.0962  0.3201  0.0986  0.0453  0.0287  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0294  0.0015  0.0007  0.0007

SCENARIO RECORD   : Litchfield County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2012
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Middlesex Expressway
**************************************************
```

```
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT         : 12svmt4S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3495  0.0962  0.3201  0.0986  0.0453  0.0287  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0294  0.0015  0.0007  0.0007

SCENARIO RECORD   : Middlesex County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2012
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES   : 29.53

END OF RUN
```

>**********Middlesex Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT : 12svmt4S.cty
VMT BY FACILITY : FCVMTA.cty

> 2012 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3704 0.1020 0.3392 0.1045 0.0481 0.0107 0.0010 0.0009
0.0007 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : Middlesex County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Middlesex Local **********

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG   :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT   : 12svmt4S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2012 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS   :
0.3738 0.1029 0.3424 0.1055 0.0485 0.0071 0.0007 0.0006
0.0004 0.0016 0.0019 0.0020 0.0072 0.0004 0.0002 0.0048

SCENARIO RECORD   : Middlesex County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9

56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********Middlesex Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT : 12svmt4S.cty
VMT BY FACILITY : FCVMTR.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3495 0.0962 0.3201 0.0986 0.0453 0.0287 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0294 0.0015 0.0007 0.0007

SCENARIO RECORD : Middlesex County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT : 12svmt5S.cty
VMT BY FACILITY : FCVMTF.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3495 0.0962 0.3201 0.0986 0.0453 0.0287 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0294 0.0015 0.0007 0.0007

SCENARIO RECORD : New Haven County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP

* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT : 12svmt5S.cty
VMT BY FACILITY : FCVMTA.cty

> 2012 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3704 0.1020 0.3392 0.1045 0.0481 0.0107 0.0010 0.0009
0.0007 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : New Haven County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7

```
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 66.5 91.6
RELATIVE HUMIDITY  : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES    : 29.53

END OF RUN


>******************New Haven  Local ******************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT         : 12svmt5S.cty
VMT BY FACILITY    : FCVMTL.cty

> 2012 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3738  0.1029  0.3424  0.1055  0.0485  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048
```

SCENARIO RECORD : New Haven County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES : 29.53

END OF RUN

>**********New Haven Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT : 12svmt5S.cty
VMT BY FACILITY : FCVMTR.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :

0.3495 0.0962 0.3201 0.0986 0.0453 0.0287 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0294 0.0015 0.0007 0.0007

SCENARIO RECORD   : New Haven County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for SWCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 66.5 91.6
RELATIVE HUMIDITY : 84.0 74.5 65.2 58.8 53.6 48.0 45.5 42.8 41.4 44.3 45.8 49.9
                     56.9 66.0 69.7 71.5 76.1 79.1 85.7 86.7 89.8 90.5 90.7 92.1
BAROMETRIC PRES   : 29.53

END OF RUN

>**********New London Expressway
****

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG   :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT   : 12svmt6S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3495 0.0962 0.3201 0.0986 0.0453 0.0287 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0294 0.0015 0.0007 0.0007

SCENARIO RECORD : New London County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********New London Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)

SPEED VMT : 12svmt6S.cty
VMT BY FACILITY : FCVMTA.cty

> 2012 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3704 0.1020 0.3392 0.1045 0.0481 0.0107 0.0010 0.0009
0.0007 0.0024 0.0028 0.0031 0.0109 0.0005 0.0003 0.0025

SCENARIO RECORD : New London County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********New London Local **********

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

```
* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT         : 12svmt6S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2012 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3738  0.1029  0.3424  0.1055  0.0485  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD   : New London County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap,
ATP, RFG2, 8-hr met
CALENDAR YEAR     : 2012
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********New London Ramp
************************************************************

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112
```

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR   : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT   : 12svmt6S.cty
VMT BY FACILITY   : FCVMTR.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS   :
0.3495 0.0962 0.3201 0.0986 0.0453 0.0287 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0294 0.0015 0.0007 0.0007

SCENARIO RECORD   : New London County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR   : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP   : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP   : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Tolland Expressway
****

* Northeast NLEV inputs
94+ LDG IMP   : NLEVNE.D

* Fuel Data
FUEL PROGRAM   : 2 N
NO REFUELING   :

> Same Reg Dist files used in 2002 PEI
REG DIST   : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE   : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line

```
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT          : 12svmt7S.cty
VMT BY FACILITY    : FCVMTF.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3495  0.0962  0.3201  0.0986  0.0453  0.0287  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0294  0.0015  0.0007  0.0007

SCENARIO RECORD    : Tolland County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>******************Tolland Arterials/Collectors ***************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
```

```
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT          : 12svmt7S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2012 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3704  0.1020  0.3392  0.1045  0.0481  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0005  0.0003  0.0025

SCENARIO RECORD    : Tolland County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>**********Tolland  Local **********

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D
```

```
EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT          : 12svmt7S.cty
VMT BY FACILITY    : FCVMTL.cty

> 2012 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3738  0.1029  0.3424  0.1055  0.0485  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD    : Tolland County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN

>**********Tolland Ramp
************************************************************

* Northeast NLEV inputs
94+ LDG IMP        : NLEVNE.D

* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :
```

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT : 12svmt7S.cty
VMT BY FACILITY : FCVMTR.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3495 0.0962 0.3201 0.0986 0.0453 0.0287 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0294 0.0015 0.0007 0.0007

SCENARIO RECORD : Tolland County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES : 29.89

END OF RUN

>**********Windham Expressway
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data

```
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT         : 12svmt8S.cty
VMT BY FACILITY   : FCVMTF.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3495  0.0962  0.3201  0.0986  0.0453  0.0287  0.0028  0.0024
0.0018  0.0064  0.0076  0.0083  0.0294  0.0015  0.0007  0.0007

SCENARIO RECORD   : Windham County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2012
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN

>**********Windham Arterials/Collectors **********

* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D
```

```
* Fuel Data
FUEL PROGRAM       : 2 N
NO REFUELING       :

> Same Reg Dist files used in 2002 PEI
REG DIST           : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE      : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG     :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS    : 0.07

* VMT Data
VMT BY HOUR        : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT          : 12svmt8S.cty
VMT BY FACILITY    : FCVMTA.cty

> 2012 art/coll VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS      :
0.3704  0.1020  0.3392  0.1045  0.0481  0.0107  0.0010  0.0009
0.0007  0.0024  0.0028  0.0031  0.0109  0.0005  0.0003  0.0025

SCENARIO RECORD    : Windham County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR      : 2012
EVALUATION MONTH   : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP           : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP       : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES    : 29.89

END OF RUN


>**********Windham  Local **********
```

```
* Northeast NLEV inputs
94+ LDG IMP       : NLEVNE.D

* Fuel Data
FUEL PROGRAM      : 2 N
NO REFUELING      :

> Same Reg Dist files used in 2002 PEI
REG DIST          : CTREG02.D

EXPRESS HC AS VOC  :

> I/M Data; reflects  Agbar OBD/ASM/Idle tests
I/M DESC FILE     : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG    :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program
(same as 2002 PEI)
REBUILD EFFECTS   : 0.07

* VMT Data
VMT BY HOUR       : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT         : 12svmt8S.cty
VMT BY FACILITY   : FCVMTL.cty

> 2012 local VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS     :
0.3738  0.1029  0.3424  0.1055  0.0485  0.0071  0.0007  0.0006
0.0004  0.0016  0.0019  0.0020  0.0072  0.0004  0.0002  0.0048

SCENARIO RECORD   : Windham County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP,
RFG2, 8-hr met
CALENDAR YEAR     : 2012
EVALUATION MONTH  : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP          : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP      : 67.7 95.5
RELATIVE HUMIDITY  : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
                     47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6
BAROMETRIC PRES   : 29.89

END OF RUN
```

>**********Windham Ramp
****

* Northeast NLEV inputs
94+ LDG IMP : NLEVNE.D

* Fuel Data
FUEL PROGRAM : 2 N
NO REFUELING :

> Same Reg Dist files used in 2002 PEI
REG DIST : CTREG02.D

EXPRESS HC AS VOC :

> I/M Data; reflects Agbar OBD/ASM/Idle tests
I/M DESC FILE : CTIM07p4.d
* M6 User's Guide says ATP parameters must be on 2nd line
ANTI-TAMP PROG :
83 85 50 22222 21111111 1 12 095. 12111112

> Use NESCAUM value for lower-than-default implementation of NOx defeat device rebuild program (same as 2002 PEI)
REBUILD EFFECTS : 0.07

* VMT Data
VMT BY HOUR : CTHVMT.def
> Speed VMT files consistent with DOT's latest 2012 estimates (Series 28D)
SPEED VMT : 12svmt8S.cty
VMT BY FACILITY : FCVMTR.cty

> 2012 expway/ramp VMT fractions (consistent with "M62 Vehicle Fractions_1-23-06.xls")
VMT FRACTIONS :
0.3495 0.0962 0.3201 0.0986 0.0453 0.0287 0.0028 0.0024
0.0018 0.0064 0.0076 0.0083 0.0294 0.0015 0.0007 0.0007

SCENARIO RECORD : Windham County 2012 O3 SEASON w/OBD/ASM/idle I/M W/gascap, ATP, RFG2, 8-hr met
CALENDAR YEAR : 2012
EVALUATION MONTH : 7
* Fuel RVP value is from M6 User's Guide for northern reformulated gas areas ("2 N").
* Note that the model ignores the user input in favor of the EPA default value, but DEP
* has included it in the input file for documentation purposes.
FUEL RVP : 6.8

> 8-hr Weather Data for GrCT NA area (consistent with 2002 PEI)
MIN/MAX TEMP : 67.7 95.5
RELATIVE HUMIDITY : 86.2 76.2 69.5 61.2 53.8 49.0 44.5 41.2 40.4 38.8 40.8 43.7
47.3 56.5 63.5 67.6 72.8 75.3 75.6 81.8 85.3 87.4 89.1 90.6

BAROMETRIC PRES : 29.89

END OF RUN

5) 2008 and Later Vehicle I/M Input File (“CTIM07p4.d”)

>CT I/M PROGRAMS for all years 2007 and later (modified Jun 05 PMB/AG to reflect DMV info that 8,500-10,000 lb get TSI & GC (no OBD)
>Biennial OBDII I/M "tailpipe" test for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR
I/M PROGRAM : 1 1983 2050 2 TRC OBD I/M
I/M MODEL YEARS : 1 1996 2050
I/M GRACE PERIOD : 1 4
I/M EXEMPTION AGE : 1 25
I/M VEHICLES : 1 22222 11111111 1
I/M STRINGENCY : 1 22.0
I/M COMPLIANCE : 1 96.0
I/M WAIVER RATES : 1 1.0 1.0

>Biennial OBDII evaporative "test" for post-MY1995 gasoline vehicles up to 8,500 lbs GVWR
I/M PROGRAM : 2 1983 2050 2 TRC EVAP OBD
I/M MODEL YEARS : 2 1996 2050
I/M GRACE PERIOD : 2 4
I/M EXEMPTION AGE : 2 25
I/M VEHICLES : 2 22222 11111111 1
I/M COMPLIANCE : 2 96.0
I/M WAIVER RATES : 2 1.0 1.0

>Biennial 2500/IDLE I/M tailpipe test for all HDGT 8,500 - 10,000 lbs GVWR (per above comment)
I/M PROGRAM : 3 1983 2050 2 TRC 2500/IDLE
I/M MODEL YEARS : 3 1981 2050
I/M GRACE PERIOD : 3 4
I/M EXEMPTION AGE : 3 25
I/M VEHICLES : 3 11111 21111111 1
I/M STRINGENCY : 3 22.0
I/M COMPLIANCE : 3 96.0
I/M WAIVER RATES : 3 1.0 1.0

>Biennial GC evaporative "test" for all HDGT 8,500 - 10,000 lbs (per above comment)
I/M PROGRAM : 4 1983 2050 2 TRC GC
I/M MODEL YEARS : 4 1981 2050
I/M GRACE PERIOD : 4 4
I/M EXEMPTION AGE : 4 25
I/M VEHICLES : 4 11111 21111111 1
I/M COMPLIANCE : 4 96.0
I/M WAIVER RATES : 4 1.0 1.0

>Biennial ASM I/M tailpipe test for pre-96 gasoline vehicles up to 8,500 lbs GVWR
I/M PROGRAM : 5 1983 2050 2 TRC ASM 2525 FINAL
I/M MODEL YEARS : 5 1981 1995
I/M GRACE PERIOD : 5 4
I/M EXEMPTION AGE : 5 25
I/M VEHICLES : 5 22222 11111111 1
I/M STRINGENCY : 5 22.0
I/M COMPLIANCE : 5 96.0
I/M WAIVER RATES : 5 1.0 1.0

>Biennial Gas Cap evaporative test for pre-96 gasoline vehicles up to 8,500 lbs GVWR
I/M PROGRAM : 6 1983 2050 2 TRC GC
I/M MODEL YEARS : 6 1981 1995
I/M GRACE PERIOD : 6 4
I/M EXEMPTION AGE : 6 25
I/M VEHICLES : 6 22222 11111111 1
I/M COMPLIANCE : 6 96.0
I/M WAIVER RATES : 6 1.0 1.0