

Draft MOVES2009 Miscellaneous Topics

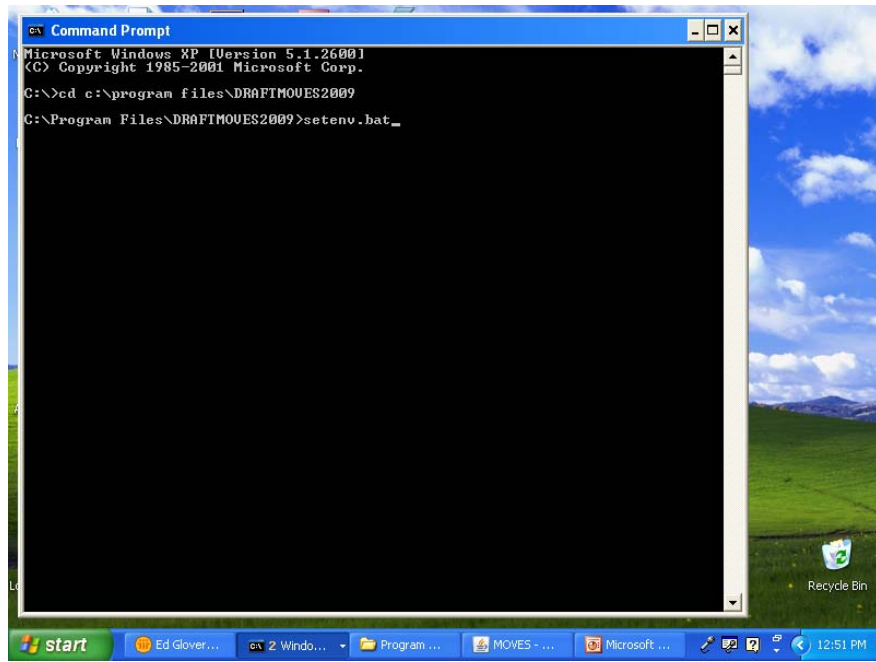
**FHWA Resource Center
EPA Office of Transportation and Air Quality**

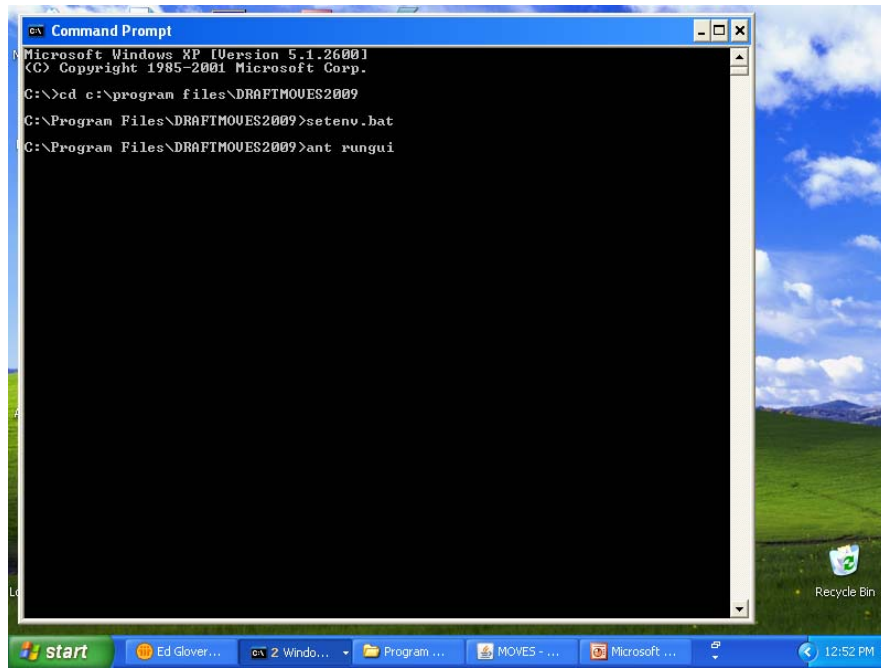


EPA-420-B-09-031

Miscellaneous Topics

- **MOVES from the DOS Prompt**
 - Setenv
 - ANT Commands
 - RunGUI
 - Compileall
- **MOVES Batch File Processing**





MOVES Batch File Example 1

```

• @echo off
• rem -----
• rem Command Line Notes:
• rem "-e DEBUG" logs all types of messages to MOVESbatch.log
• rem -----
• echo Changing to the MOVES folder and compiling code...
• C:
• cd "C:\EPA\MOVES\MOVESGHGSource"
• call setenv.bat
• call ant compile
• rem -----

• echo Running Test_26161_2009_Washtenaw.mrs
• java gov.epa.otaq.moves.master.commandline.MOVESCommandLine -e DEBUG -r
"C:\EPA\MOVES\MOVESGHGSource\Task910LoopingTool\Test_26161_2009_Washtenaw.mrs"

• echo Running Test_26163_2009_Wayne.mrs
• java gov.epa.otaq.moves.master.commandline.MOVESCommandLine -e DEBUG -r
"C:\EPA\MOVES\MOVESGHGSource\Task910LoopingTool\Test_26163_2009_Wayne.mrs"

• echo Running Test_26161_2010_Washtenaw.mrs
• java gov.epa.otaq.moves.master.commandline.MOVESCommandLine -e DEBUG -r
"C:\EPA\MOVES\MOVESGHGSource\Task910LoopingTool\Test_26161_2010_Washtenaw.mrs"

```

```
java gov.epa.otaq.moves.master.commandline.MOVESCommandLine -e DEBUG
-i importAllFromTemplates.xml
```

Be sure to place all of this on one line. The “-e DEBUG” portion ensures that all messages will be captured, even if they are just informational. The “-i” option directs MOVES

to the XML file that describes the import actions to occur. Note that this XML file essentially

contains a RunSpec within it, thus allowing wildcards even when importing via the command

line.

MOVES Batch File Example 2

- @echo off
- rem -----
- rem Command Line Notes:
- rem "-e DEBUG" logs all types of messages to MOVESbatch.log
- rem -----
- echo Changing to the MOVES folder and compiling code...
- C:
- cd "C:\EPA\MOVES\MOVESGHGSource"
- call setenv.bat
- call ant compile
- rem -----
- echo load project data
- java gov.epa.otaq.moves.master.commandline.MOVESCommandLine -e
DEBUG -i "C:\EPA\MOVES\MOVESGHGSource\ProjectData.xml"

Once the GUI is used to create an importer XML file, it can be edited and executed via the command line. Remember that when using the command line, text output is not sent to the screen but instead stored in MOVESBatch.log.

An example command line is:

```
java gov.epa.otaq.moves.master.commandline.MOVESCommandLine -e DEBUG  
-i importAllFromTemplates.xml
```

Be sure to place all of this on one line. The “-e DEBUG” portion ensures that all messages will be captured, even if just informational. The “-i” option directs MOVES to the XML file that describes the import actions to occur. Note that this XML file essentially contains a RunSpec within it, thus allowing wildcards even when done via the command line.

MOVES Runspec Example

```

<runspec>
  <description><![CDATA[heavy -duty diesel project example. trucks entering and
existing an over-night rest station. Only one hour 11 PM is modeled for total PM2.5
emissions.]]></description>
  <modelscale value="MACRO"/>
  <modeldomain value="PROJECT"/>
  <geographicselections>
    <geographicselection type="COUNTY" key="26161"
description="MICHIGAN - Washtenaw County"/>
  </geographicselections>
  <timespan>
    <year key="2009"/>
    <month id="1"/>
    <day id="5"/>
    <beginhour id="24"/>
    <endhour id="24"/>
    <aggregateBy key="Hour"/>
  </timespan>
  <onroadvehicleselections>
    <onroadvehicleselection fueltypeid="2" fueltypedesc="Diesel Fuel"
sourcetypeid="62" sourcetype="Combination Long-haul Truck"/>
  </onroadvehicleselections>
  <offroadvehicleselections>
  </offroadvehicleselections>
  <offroadvehiclesccs>
  </offroadvehiclesccs>
  <roadtypes>
    <roadtype roadtypeid="1" roadtypename="Off-Network"/>
    <roadtype roadtypeid="3" roadtypename="Rural Unrestricted Access"/>
  </roadtypes>
  <pollutantprocessassociations>
    <pollutantprocessassociation pollutantkey="110" pollutantname="Primary
Exhaust PM2.5 - Total" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="110" pollutantname="Primary
Exhaust PM2.5 - Total" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="110" pollutantname="Primary
Exhaust PM2.5 - Total" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="112" pollutantname="Primary
PM2.5 - Elemental Carbon" processkey="1" processname="Running Exhaust"/>
    <pollutantprocessassociation pollutantkey="112" pollutantname="Primary
PM2.5 - Elemental Carbon" processkey="2" processname="Start Exhaust"/>
    <pollutantprocessassociation pollutantkey="112" pollutantname="Primary
PM2.5 - Elemental Carbon" processkey="90" processname="Extended Idle Exhaust"/>
    <pollutantprocessassociation pollutantkey="111" pollutantname="Primary
PM2.5 - Organic Carbon" processkey="1" processname="Running Exhaust"/>
  </pollutantprocessassociations>

```