

### **What are the differences in emission inventory results between NONROAD2005 and NONROAD2008?**

Since the main difference between NONROAD2008 and NONROAD2005 is the accounting for new exhaust and evaporative emission controls, the newer version predicts substantially less HC and CO, and somewhat less NO<sub>x</sub> and PM emissions than NONROAD2005 with use of comparable scenario inputs. The comparison depends greatly on pollutant, equipment type, year evaluated, and fuel choice (how much ethanol is in the gasoline). For a detailed comparison of nationwide inventories differences, see "EPA NONROAD Model Updates of 2008" April 2009 International Emission Inventory Conference presentation of changes from NONROAD2005, available on the NONROAD model web site: <http://www.epa.gov/otaq/nonrdmdl.htm>.

### **Does NONROAD2008 reflect all of EPA's final nonroad engine emission standards to date?**

Yes. The model now accounts for the provisions of the Small SI and SI Recreational Marine final rule (Federal Register Vol 73, No. 196, page 59034, October 8, 2008), as well as the diesel recreational marine standards in the Loco/Marine final rule, (Federal Register Vol 73, No. 88, page 25098, May 6, 2008).

### **Can the option files used for previous versions of the model be used for NONROAD2008?**

If you wish to properly model the effects of ethanol gasoline blends on permeation emissions, then you must create new Option files that include the two new lines that specify ethanol blend market share and volume percent ethanol in the blend. If you open an older option file in the GUI, you will get a warning that there is a problem with the ethanol blend inputs; you can take care of this by entering appropriate values in the Scenario: Options form. If you are only modeling exhaust emissions, or just diesel fueled equipment, or there is no ethanol in your gasoline, then Option files created with NONROAD2005 can be used with NONROAD2008. Option files from model versions earlier than NONROAD2005 are not compatible with NONROAD2005 or NONROAD2008.

### **Have the technical reports and User's Guide for NONROAD2008 been updated?**

For this limited release of NONROAD2008 the Users Guide and technical reports have not yet been updated. Details of the changes and the basis of those changes from NONROAD2005 can be found in the technical documentation for (a) the 2008 Small SI and SI Recreational Marine FRM (RIA and docket memos) and (b) the 2008 Loco/Marine FRM. The User's Guide and technical reports were updated for NONROAD2005. These documents can be downloaded from the NONROAD model web site: <http://www.epa.gov/otaq/nonrdmdl.htm>.