

## **EPA Finalizes Phase 2 Standards for Handheld Lawn and Garden Equipment**

On March 8, 2000, EPA finalized the Phase 2 standards for handheld SI engines at or below 25 horsepower (19 kilowatts) used in lawn and garden equipment. The standards are significantly more stringent than the Phase 2 standards originally proposed by EPA in 1998, and reflect advances in engine designs and the successful application of catalyst technology to this category of engines. The Phase 2 standards will be phased in between 2002 and 2007 and are shown in Table 1 below.

**Table 1**  
**Re-Proposed HC+NO<sub>x</sub> Emission Standards for Handheld Engines (in g/kW-hr)**  
**by Model Year**

<b>Engine Class</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007 and later</b>
Class III	238	175	113	50	50	50
Class IV	196	148	99	50	50	50
Class V	---	---	143	119	96	72

Three useful life categories are established to account for the widely varying product lives of various handheld engines - 50 hours, 125 hours, and 300 hours. The rule includes a compliance program to ensure engines continue to meet standards for their useful life, including certification, product line testing, and voluntary in-use testing. An averaging, banking, and trading program is included to provide manufacturers with additional flexibility to meet the Phase 2 standards. EPA estimates that the price increases due to the Phase 2 standards will be \$23 for Class III, \$20 for Class IV and \$56 for Class V. For more information regarding EPA's proposed program, visit the EPA website at <http://www.epa.gov/oms/equip-ld.htm> or call EPA's Bob Larson at 734/214-4277.