Background and Regulatory Status
Regulatory History

• Categorized as large spark-ignition (LSI) engines by ARB since the Board’s adoption of LSI standards in 1998

• Vehicles considered as ATVs by U.S. EPA in 2002
Recent Developments

- Industry approached staff after publication of off-highway recreational vehicle (OHRV) proposal for July 2006 Board Hearing
- Group of various manufacturers met with staff to help inform us of the industry and its specific concerns
  - Larger scale manufacturing new to industry
  - Very small-volumes ("cottage" industry)
Board Action

• Clarified Vehicle Definitions
  – ATVs: one- and two-seaters
  – Sport & Utility Vehicles
• Re-classified Sand Cars
• Maintained Exhaust Emission Standards
• Adopted Evaporative Emission Standards and Test Procedures
Exhaust Standards Summary

Engine-Based Emission Testing

<table>
<thead>
<tr>
<th>Category</th>
<th>HC+NOx (g/kW-hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATVs &lt;225cc</td>
<td>16</td>
</tr>
<tr>
<td>ATVs &gt;225cc</td>
<td>12</td>
</tr>
<tr>
<td>Sand Cars &gt;1 Liter</td>
<td>12</td>
</tr>
<tr>
<td>Vehicles &lt;1 Liter</td>
<td>12</td>
</tr>
<tr>
<td>2006 SORE/LSI</td>
<td>12</td>
</tr>
</tbody>
</table>
Exhaust Standards Summary

Chassis-Based Emission Testing

HC g/km

0 0.2 0.4 0.6 0.8 1 1.2 1.4

ATVs Utility Vehicles Sport Vehicles Sand Cars
Future Objectives

• Near Term
  – Assist manufacturers with compliance efforts

• Long Term
  – Evaluate potential for further exhaust and evaporative reductions
Summary

• Including sport & utility vehicles and sand cars maintains emission reductions and reduces industry’s burden

• Harmonizing with federal evaporative requirements reduces both emissions and industry’s burden
Divisions and Contact Persons Within the Air Resources Board
Off-Road Controls

• Determines feasible emission standards
• Meets with regulated industry
• Proposes new regulations or amendments to existing regulations
On-Road Certification/Audit

• Guides manufacturers through certification process
• Processes certification application
• Issues Executive Orders
Mobile Source Enforcement

- Inspects vehicles for compliance
- Issues “Cease and Desist” or “Notice of Violation” letters when appropriate
- Determines corrective action
Contact Information

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