

# DRAFT Memo

**To:** Interested Parties

**From:** Michael P. Walsh

**Subject:** Lead in Gasoline

**Date:** March 25, 2001

In June 1999, a summary was prepared which attempted to identify countries which had eliminated the sale of leaded gasoline, those which had decided to do so within the next several years and major users of leaded fuel which were likely to continue unless significant efforts were launched. A great deal of progress has occurred since then. Therefore this memo is being prepared in an effort to update that exercise.

## **1. Countries Which Have Already Phased Out The Use of Lead in Gasoline**

The following fifty eight (58) countries are estimated to either already have phased out the use of leaded gasoline or are expected to do so before the end of 2001:

Argentina  
Austria  
Bahamas  
Bangladesh  
Belgium  
Belize  
Bermuda  
Bolivia  
Brazil  
Bulgaria  
Canada  
China  
Colombia  
Costa Rica  
Czech Republic  
Denmark  
Dominican Republic  
Ecuador

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Egypt  
El Salvador  
Finland  
France  
Germany  
Guam  
Guatemala  
Haiti  
Honduras  
Hong Kong  
Hungary  
Iceland  
India  
Jamaica  
Japan  
Luxembourg  
Malaysia  
Mexico  
Monaco  
Netherlands  
New Zealand  
Nicaragua  
Norway  
Philippines  
Portugal  
Puerto Rico  
Saudi Arabia  
Singapore  
Slovakia  
South Korea  
Sweden  
Switzerland  
Taiwan  
Thailand  
Trinidad and Tobago  
United Kingdom  
United States  
Uruguay  
U.S. Virgin Islands  
Viet Nam

**2. Countries Which Are Expected To Phase Out The Use of Lead in Gasoline in 2002**

An additional eleven (11) countries are expected to join the Unleaded Club by the end of 2002 as listed below.

Australia  
Bahrain  
Greece  
Ireland  
Italy  
Kuwait  
Oman  
Panama  
Qatar  
Spain  
United Arab Emirates

**3. Countries Which Are Expected To Phase Out the Use Of Lead in Gasoline in 2003**

Indonesia is expected to join the Unleaded Club in this year.

**4. Countries Which Are Expected To Phase Out the Use Of Lead in Gasoline in 2005**

One (1) additional country, Peru, is expected to join the Unleaded Club in 2005, bringing the total to 71 countries by that time.

**5. Additional Countries Which Are the Most Likely Candidates To Phase Out the Use Of Lead in Gasoline by 2005**

There are three (3) additional countries which are highly promising prospects for phasing out the use of lead in gasoline by 2005 but have not yet made firm decisions to do so, at least to my knowledge. These countries are listed below.

Romania  
Chile  
Poland

**6. Major Targets of Opportunity**

Based on their continued high consumption of leaded gasoline, the following countries should receive major additional focus to eliminate lead in gasoline.

Confederation of Independent States  
Nigeria  
Venezuela  
South Africa  
Iraq  
Libya  
Algeria  
Iran  
Turkey  
Syria  
Israel

## 7. Overall Summary

Summarizing the above leads to the following conclusions:

- 58 countries have already phased out the use of leaded gasoline (or will do so during 2001) and this will likely rise to 71 countries by 2005
- about 86% of all gasoline sold in the world is currently unleaded and this will likely rise to 89% by 2005
- an additional 3 countries already use unleaded gasoline and seem to be prime candidates for complete lead phase out; if lead were eliminated in these countries, the total fraction of unleaded sales would rise to 90%.