



The Green Lead Initiative

**International Lead Zinc Study Group
Economic & Environment Committee Meeting
Monday 25 April 2005**

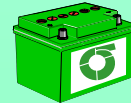
Countdown to Launch Date

**Brian Wilson
Green Lead Working Group**

Green Lead™

Since Vienna.....

1. Funding for a Second Workshop
 - Industry Support
 - UN CFC Award
2. Planning for the Launch of Green Lead through Pilot Programs



Green Lead – Update

Since your last meeting in Vienna the Green Lead Working Group, which includes the Secretariat of the International Lead Zinc Study Group, have made significant progress towards the implementation of the Green Lead Project.

Funding for a second workshop to be held in London later this week was secured with financial support from a number of the leading primary Lead producers and a matching award from the UN Common Fund for Commodities.

The forthcoming Workshop has been at the center of planning for the launch of the Green Lead Project through a series of Pilot Programs across the world.



Green Lead and the Developing World

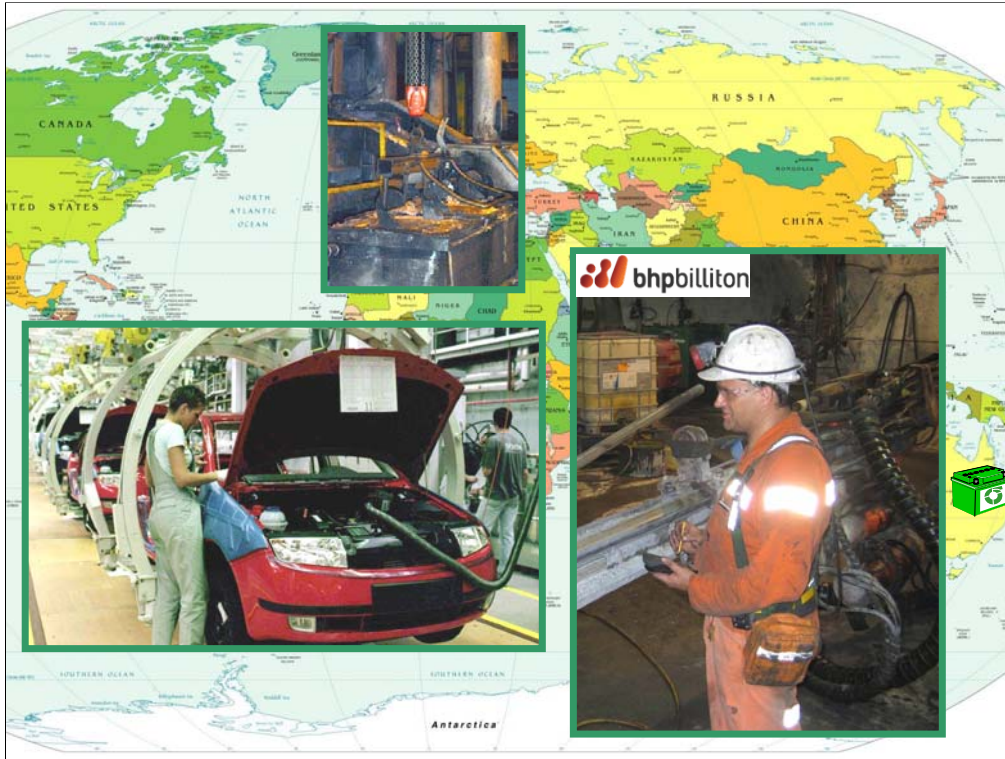
Two Companies that have been working on environmental improvement projects over the last few years with the International Lead Management Center (ILMC) in conjunction with the United Nations Conference on Trade and Development (UNCTAD) and the Secretariat of the Basel Convention (SBC) have agreed to participate in the Green Lead Pilot Program. They are:

RAMCAR, in the Republic of the Philippines:

The RAMCAR Group is a fully integrated organization with ISO 14001 at the core of its environmental management systems. Philippine Recyclers (PRI) is the company's secondary lead smelter and is the largest in the Republic. PRI supplies all the refined lead for the Group's Oriental and Motolite Battery Manufacturing Company.

The Record Group in El Salvador

Although the Record Group is not ISO 14001 Certified, it has a comprehensive environmental management policy and is fully integrated with the Record Battery Manufacturing Plant on the same site as the company's battery recycler, Baterias de El Salvador.



Green Lead and the Developed World

Amongst the OECD countries, the BHP Billiton Lead Mine at Cannington in Queensland, Australia has asked to participate in the Pilot scheme to represent the mining sector, but the Green Lead Working Group are still looking for a Primary Smelter and a major battery user such as one of the multi-national car manufacturers.

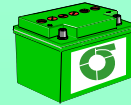
We are optimistic that we will find the additional partners we seek and complete the life cycle for the Pilot Programs.

Note: The photograph of the car assembly plant is reproduced with the permission of the European Commission (Epa Photo/Ctk/Libor Zavoral)

Green Lead™

London Workshop 2005

1. *Green Lead Manual*
 - *Standards*
 - *Audit Procedures*
 - *Continuous Improvement Regime*
2. *Set Targets and Milestones*
3. *Agree a Program for NGO and public engagement*



Green Lead - The Second London Workshop

At the second London Workshop the Green Lead Working Group will present to the delegates and the participants in the Pilot Programs the Green Lead Manual containing the draft Green Lead Standards, the Audit Procedures and the methodologies to be adopted to maintain a regime of continuous improvement.

The delegates will also be tasked to agreed a series of Targets and Milestones for those participating in the Pilot Programs. The targets will include establishing communication links in the product chain and determining any deficiencies in the recycling loop. Notable milestones to be determined are the allocations for the initial site assessments and the commencement of the training schedules for the application of Green Lead standards.

As you would expect in a multi-stakeholder initiative, environmental and community groups from the Philippines and El Salvador, and international NGOs, including representation from the World Wildlife Fund for Nature, will be present at the London Workshop. Terms of reference for their participation in the Pilot Programs will hopefully be agreed in principle and we will also examine how the Pilot Programs can be directed to promote a wider public engagement.

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Green Lead Standards - Holistic Environmental Management Systems

- Safety
- Hygiene
- Recycling Procedures
- Sustainable Resource Strategies
- Employment Practices
- Outreach Activities



Green Lead Standards

Now despite all this good news, no doubt some might be thinking, “What is the difference between Green Lead and other Standards?”

Well, Green Lead is comprehensive and holistic, embracing all that ISO 14001 and OHSAS 18001 measures so that it covers not only:

- Environmental Management Systems
- Safety.....and
- Hygiene

But also:

- Recycling Procedures
- Sustainable Resource Strategies that include, for example, Site Abatement
- Employment Practices.....and
- Outreach Activities, including Customer Education and Advice

Where limit values are required, for say, occupational lead restriction, lead in air levels and so on, the Green Lead Standards have adopted either the prevailing national legislation or international agreed protocols or conventions, which ever is the most appropriate. Whilst this may appear somewhat vague, it has to be borne in mind that in the Product Chain there may be a series of differing national regulations applicable to the Lead Industry and one of the tasks for the Pilot Studies will be to decide how common values will be determined.

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Green Lead Standards – Benefits:

✓ Helpful	<ul style="list-style-type: none"> - <i>guidelines</i> - <i>options</i> - <i>best practice notes</i>
✓ Promotes	<ul style="list-style-type: none"> - <i>sharing good ideas</i> - <i>recycling</i> - <i>social awareness</i>
✓ Reduces	<ul style="list-style-type: none"> - <i>informal activity</i>



Green Lead Standards – Benefits

Unlike other standards, Green Lead not only sets out the criteria for each element, but also provides helpful guidance to meet the standards. In many instances within the body of the text there will be a number of options or examples of best practice that can be considered by potential Green Lead partners in order to achieve compliance.

The way the Green Lead Standards are applied and monitored throughout the product chain also promotes:

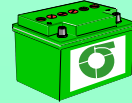
- The sharing of good ideas through use of the Corrective Action Model,
 - Battery recycling through better understanding by users
- and
- Raises the levels of social awareness.

Adherence to the Green Lead Standards and keeping used lead acid batteries within the Green Lead Certified community severely restricts the availability of used lead acid batteries to the informal sector, thereby reducing their activity levels and the adverse impacts on population health and the environment.

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Standards - Currently Available:

1. *Medical surveillance – Blood Leads*
2. *Solid Waste Management*
3. *Effluent treatment and discharges*
4. *Emission Control Systems*
5. *ULAB Collection, transport and shipping*
6. *Battery Labels*
7. *Public Communications and awareness*
8. *Site Sustainability*
9. *Community Outreach*



Green Lead Standards – Currently Available

Until the completion of the Pilot Programs all Green Lead Standards will be in a draft format and subject to reviews, revisions and additions.

Currently available for use in the Pilot Programs are the following draft standards:

1. *Medical surveillance – Blood Leads*
2. *Solid Waste Management*
3. *Effluent treatment and discharges*
4. *Emission Control Systems*
5. *ULAB Collection, transport and shipping*
6. *Battery Labels*
7. *Public Communications and awareness*
8. *Site Sustainability*
9. *Community Outreach*

All of these Standards are available in English and Spanish and can be downloaded from the Green Lead web site. During the course of the Pilot Programs more draft Standards will be added to the Green Lead Manual and uploaded to the Green Lead web site for use, discussion and comment.

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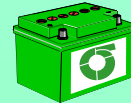
The GL Work Group would like to:
Work in Partnerships to

1. **Develop a holistic approach to**

- ❖ **LAB management**
- ❖ **ULAB recovery**

2. **Extend Pilot Programs**

- ❖ **Mining**
- ❖ **Motor Vehicle Manufacturer**



Green Lead and the Way Forward

The Green Lead Working Group believe that management of the chain of custody for lead acid batteries will improve recovery rates for ULAB and considerably reduce the supply of ULAB to the informal sector. The environmental and health benefits to many countries in the world without a developed infrastructure for LAB management are potentially enormous.

The Green Lead Working Group shares the aims and objectives of the International Community in their desire to manage ULAB in an environmentally sound manner in order to minimize risks to the environment and populations.

The Green Lead Working Group would like to work in partnership with the Industry, Governments and NGOs in the development of a “holistic” approach to lead acid battery management and the environmentally sound management of ULAB.

The Green Lead Working Group feel that the concept and benefits of managing the Chain of Custody through the Green Lead program can be demonstrated through selected Pilot Programs with partners such as RAMCAR in the Philippines, the Record Group in El Salvador, the BHP Billiton Lead Mine at Cannington in Australia and a multi-national motor vehicle manufacturer.

The Green Lead Working Group feel that Green Lead Project offers a unique opportunity for the Industry to develop a concept of Product Stewardship that will lead the way for other commodities and products.....Thank you.