

ASIA-PACIFIC PARTNERSHIP ON CLEAN DEVELOPMENT & CLIMATE

ALUMINIUM TASKFORCE UPDATE



Australian Government

PIC meeting
29-30 October 2008
Vancouver, Canada





Aluminium Task Force Action Plan Projects:

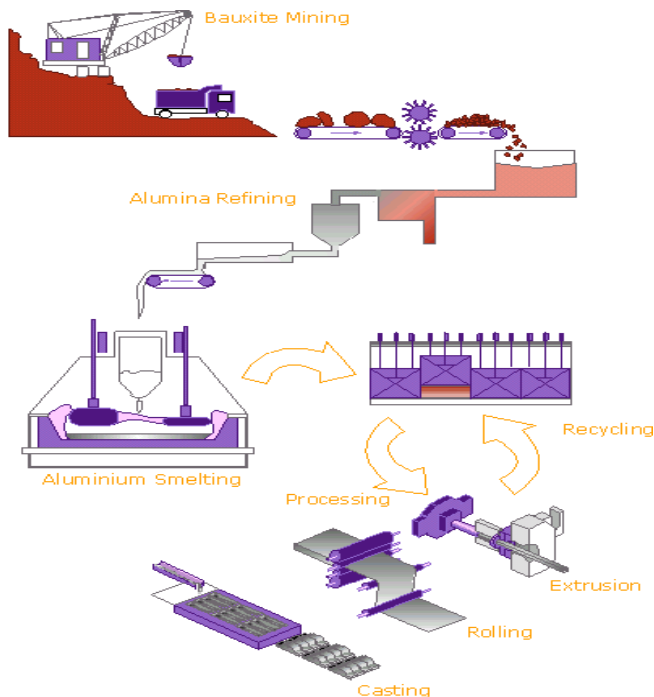
1. Benchmarking the Aluminium Industry
2. Management of PFC Emissions
3. Processing of High Silica Bauxites
4. Management of Bauxite Residues
5. Fluoride Emissions Management
6. Aluminium Recycling
7. Linkages to Technology Providers



1. Aluminium Benchmarking and Measuring



- To develop sustainability indices for measuring and benchmarking the aluminium sectors across the APP
- Reporting consistency and efficiency gained by the use of the IAI data reporting format



- A set of eight indices covering areas of importance across the aluminium sector
- Indices development for three years commencing in January 2009

Lead Partner: USA

Participating Partners: All

Locations: Nil



Australian Government

2. Management of PFC emissions Flagship Project



- Enable standard PFC emissions measurement specific to the smelter technology used
- Use PFC emissions measurement as a tool to improve aluminium production efficiency to minimise emissions
- 2 components – PFC emission reduction system workshops and demonstration study tours
 - First workshop in China April 08
 - First Study Tour Bell Bay, Tasmania in February 08
- Next study tour and workshop planned for early 2009



Lead Partner: USA

Participating Partners:
Australia, China

Locations: USA,
Australia, China,



Australian Government

3. Management of Bauxite Residue Flagship Project



Lead Partner: Australia
Participating Partners:
China and India
Locations: Australia,
China, India

- To address the high volume of bauxite residues produced during the processing of alumina from bauxite
- Develop technology, practices and alternative uses for residues to reduce the reliance on stockpiling and storage
- First step is to undertake a literature review to identify current practices and the gaps in existing knowledge
 - literature review now to be underpinned by ongoing database



4. High Silica Bauxite Processing



- Develop environmentally and economically viable ways of processing high silica bauxites to reduce energy and caustic soda consumption
- Review current practices to limit reactive silica and lower soda forms of desilica product, develop processing options and conduct pilot trials
- A database and literature review have been commenced with the next step guided by the Task Force



Lead Partner: Australia

Participating Partners:
China and India

Locations: Australia,
China, India

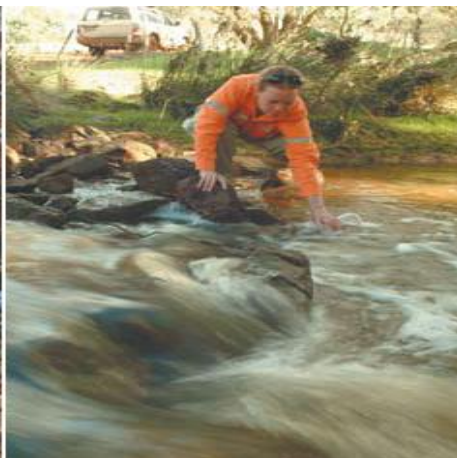




5. Fluoride Emissions Management



- To provide the necessary information to smelter operators to assess their own emissions performance and enable them to implement best practice and technology to improve this performance
- Chinese industry support and participation confirmed
- Fluoride Emissions Management Guide to be produced



Lead Partner: Australia
Participating Partners:
China and India
Locations: Australia,
China, India



6. Aluminium Recycling



- To develop data monitoring and a comprehensive data base of best practices for aluminium recycling
- Data monitoring for recycling has been included as one of the eight indices in the Measuring and Benchmarking project
- Best practice component to be address through adhoc presentations on recycling at Task Force Meetings and appropriate outreach opportunities.



Lead Partner: USA/Japan

Participating Partners:

Australia and China

Locations: Nil



7. Linkages to technology providers



An essential resource of aluminium industry technologies and providers

Aluminium Industry Technology Directory

Asia-Pacific Partnership on Clean Development and Climate



Australia | Canada | China | India | Japan | Republic of Korea | United States of America



SEARCH NOW

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USER LOGIN

REGISTER YOUR BUSINESS

About this site

Developed for the APP Aluminium Task Force, the purpose of this register is to provide a central database of technology providers from around the globe.

Through this website, you will be able to:

- **Include your business** on the register, or
- **Search the directory** for technology providers that will be able to assist you in improving the efficiency of your business.

Technology providers can assist business and industry to adapt technologies that will improve energy efficiency, reducing the impact of the industry's operations on the environment.

Further information

If you have any questions or enquiries, please send us an email at APPAluminiumTF@ret.gov.au



- **Five Task Force Meetings**
 - Berkley, California – April 2006
 - Beijing, China – May 2006 (Informal)
 - Beijing, China – March 2007
 - Hyderabad, India – November 2007
 - Cape Town, South Africa – May 2008
- **The last four Task Force meetings have been used as an industry outreach opportunities**
- **Next Task Force meeting**
 - Sanya, China – December 2008



Next Steps



- Continue to implement the Aluminium Task Force projects included in the Action Plan
- Amend the Task Force mode of operation to reflect the current project implementation phase of activity
 - Moved to annual Task Force meetings
 - Operate more like a board, providing guidance to project proponents
 - Institute interim electronic reporting on projects
- A key to the success of the new approach will be linking the annual Task Force meeting with the PIC meeting schedule to allow detailed informed updates to be provided