



## PROJECT STATUS REPORT FORM

<b>Project Number:</b> CMT-06-07, Sub Project 2	<b>Task Force:</b> Cement								
<b>Title of Project:</b> Maximising the Use of Solvents in Cement Kilns									
<b>Lead Partner Country:</b> Australia									
<b>Participating Partner Countries and Organizations:</b> China, India, Geocycle Pty Ltd, Cement Australia Pty Ltd.									
<b>Project Location:</b> Australia, VIC, Dandenong									
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><b>Project Manager Information:</b></td> <td style="width: 50%;"><b>Phone:</b> +61 7 3375 0455</td> </tr> <tr> <td><b>Name:</b> Mr Andrew Ward</td> <td><b>Fax:</b> +61 7 3375 0473</td> </tr> <tr> <td><b>Organization:</b> Geocycle Pty Limited</td> <td><b>Email:</b> Andrew.Ward@cemaust.com.au</td> </tr> <tr> <td colspan="2"><b>Address:</b> PO Box 293, Richlands DC, QLD 4077 Australia</td> </tr> </table>		<b>Project Manager Information:</b>	<b>Phone:</b> +61 7 3375 0455	<b>Name:</b> Mr Andrew Ward	<b>Fax:</b> +61 7 3375 0473	<b>Organization:</b> Geocycle Pty Limited	<b>Email:</b> Andrew.Ward@cemaust.com.au	<b>Address:</b> PO Box 293, Richlands DC, QLD 4077 Australia	
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<b>Address:</b> PO Box 293, Richlands DC, QLD 4077 Australia									
<b>Project Start Date:</b> September 2006	<b>Date of Project Status Update:</b> October 2009								
<b>Actions Since Last Update:</b> Cement Australia's Board considered the way forward for the project.									
<b>Deliverables Since Last Update:</b>									
<b>Date Completed:</b>									
<b>Milestones Reached:</b> <ul style="list-style-type: none"> <li>• Completed detailed process design and cost estimate for the solvent dewatering plant.</li> <li>• Provided proof of the commercial viability of solvent dewatering.</li> <li>• Commissioning of the Railton sludge fuel (HVF) firing system – February 2008.</li> <li>• Commissioning of the drum emptying / recycling system at Dandenong – April 2009 which was opened by the Australian Government Minister for Resources, Energy and Tourism on 8 May 2009.</li> </ul>									
<b>Next Steps:</b>									
<b>Proposed Project End Date:</b> June 2010	<b>Project Already Complete:</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								
<b>Other Information:</b> Due to financial constraints brought about by the global financial crisis, Cement Australia's Board has decided not to fund the solvent dewatering plant, which is the next phase of the project. As a result the project will not proceed further.									



## PROJECT STATUS REPORT FORM

<b>Project Number:</b> CMT-06-07, Sub Project 3	<b>Task Force:</b> Cement						
<b>Title of Project:</b> Utilising Biosolids in Cement Kilns							
<b>Lead Partner Country:</b> Australia							
<b>Participating Partner Countries and Organizations:</b> China, India, Melbourne Water Corporation, Blue Circle Southern Cement Ltd (a subsidiary of Boral)							
<b>Project Location:</b> Waurin Ponds, Victoria, Australia							
<b>Project Manager Information:</b> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; padding: 2px;"><b>Name:</b> Mr Jim Young</td> <td style="width: 50%; padding: 2px;"><b>Phone:</b> +61 3 5240 6070</td> </tr> <tr> <td style="padding: 2px;"><b>Organization:</b> Blue Circle Southern Cement Ltd</td> <td style="padding: 2px;"><b>Fax:</b> +61 3 5241 8310</td> </tr> <tr> <td style="padding: 2px;"><b>Address:</b> PO Box 63 Belmont Victoria 3216 Australia</td> <td style="padding: 2px;"><b>Email:</b> jim.young@boral.com.au</td> </tr> </table>		<b>Name:</b> Mr Jim Young	<b>Phone:</b> +61 3 5240 6070	<b>Organization:</b> Blue Circle Southern Cement Ltd	<b>Fax:</b> +61 3 5241 8310	<b>Address:</b> PO Box 63 Belmont Victoria 3216 Australia	<b>Email:</b> jim.young@boral.com.au
<b>Name:</b> Mr Jim Young	<b>Phone:</b> +61 3 5240 6070						
<b>Organization:</b> Blue Circle Southern Cement Ltd	<b>Fax:</b> +61 3 5241 8310						
<b>Address:</b> PO Box 63 Belmont Victoria 3216 Australia	<b>Email:</b> jim.young@boral.com.au						
<b>Project Start Date:</b> November 2006	<b>Date of Project Status Update:</b> September 2009						
<b>Actions Since Last Update:</b> <ul style="list-style-type: none"> <li>• Detailed design work for the mercury control technology pilot plant in progress including a draft application for Victorian EPA Research, Development and Demonstration approval for pilot plant and trial work</li> <li>• Conduct a practical demonstration of the viability of the selected technologies for drying and grinding</li> <li>• Develop modelling of the kiln quality, process and environmental impacts.</li> </ul>							
<b>Deliverables Since Last Update:</b> <ul style="list-style-type: none"> <li>▪ Practical demonstration of Biosolids drying technology now complete</li> </ul> <b>Date Completed:</b> 28 September 2009							
<b>Milestones Reached:</b> Undertaken substantial preliminary work to develop a cooperation agreement with MWC and to identify equipment suppliers for the plant. Feasibility study completed which included: <ul style="list-style-type: none"> <li>• biosolids sampling;</li> <li>• facility design for both the supply and processing of biosolids;</li> <li>• identifying a mercury emissions technology and supplier;</li> <li>• conducting an environmental assessment and life-cycle analysis for the project; and</li> </ul>							



A desk-top review has commenced which looks at:

- selecting appropriate material handling and storage equipment;
- drying and grinding equipment; and
- a mercury capture technology for the Waurm Ponds site.

Mercury control technology for the pilot plant selected.

Signed MOU agreement on project development between Blue Circle Southern Cement and Melbourne Water Corporation.

Funding Agreement signed between the Commonwealth of Australia and Blue Circle Southern Cement.

**Next Steps:**

Mercury control technology

- Refine process and experimental designs for pilot plant
- Construct the Mercury control technology pilot plant.
- Conduct trials

Drying and Grinding technologies

- Practical demonstrations of grinding technologies

Modeling of quality, process and environmental impacts

- Work in progress

**Proposed Project End Date:** May 2010

**Project Already Complete:** Yes No

**Other Information:**



## PROJECT STATUS REPORT FORM

<b>Project Number:</b> CMT-06-07, Project Sub 4	<b>Task Force:</b> Cement
<b>Title of Project:</b> Subproject 4 - Best Practices for Management and Co-Firing of Hazardous and Other Industrial Wastes in Cement Kilns in the US	
<b>Lead Partner Country:</b> USA	
<b>Participating Partner Countries and Organizations:</b> India, China	
<b>Project Location</b> (Country, State/Province, City): USA, South Carolina, Charleston	
<b>Project Manager Information</b> <b>Name:</b> Gary Stanley <b>Organization:</b> US Department of Commerce <b>Address:</b> 1401 Constitution Avenue, NW Washington DC 20230 <b>Phone:</b> 1-202-482-0376 <b>Fax:</b> 1-202-482-2565 <b>Email:</b> Gary_St Stanley@ita.doc.gov	
<b>Project Start Date:</b> November 2007	<b>Date of Project Status Update:</b> October 2009
<b>Actions Since Last Update:</b> In conjunction with the Fifth Meeting of the Cement Task Force in Charleston, SC, The United States conducted a technical assistance activity on United States policies and best practices for management and use of waste materials as alternate fuels, and an exposition of United States technology and service providers of environmental and energy efficient technologies, co-organized by the United States Department of Commerce, United States Environmental Protection Agency, and Portland Cement Association.	
<b>Deliverables Since Last Update:</b> Two-day “APP Exposition of US Technologies for Clean Cement”; and two reverse trade missions, one from China, the second from India	
<b>Date Completed:</b> May 12-13, 2008	
<b>Milestones Reached:</b> A number of companies have held high level technical discussions, which are still ongoing.	
<b>Next Steps:</b> Facilitate outreach to the industry participants, as well as ongoing contacts and technical discussions with Chinese and Indian delegations to the reverse trade missions.	
<b>Proposed Project End Date:</b> May 13, 2008	<b>Project Already Complete:</b> x Yes   No <input type="checkbox"/>
<b>Other Information:</b> (none)	