

Portland Aluminium 2005 Environmental Targets

2005 TARGETS	2005 ACTIONS
Environmental management	
<p>Continual improvement of environmental performance at Portland Aluminium using systematic processes.</p> <p>Zero Environmental Non-compliances with Laws and Regulations.</p> <p>Alcoa Corporate audit rated good or better ("Good" is defined as ALL applicable minimum expectations are in place). Exceptions found during testing are considered to be anomalies and inconsequential in relation to the overall level of performance and associated risk.</p>	<p>ISO 14001 recertification achieved (3 yearly).</p> <p>Continue intensive VOC monitoring program.</p> <p>Initiate the incorporation of Carbon Bake and A398 Equipment Uptimes into EPA licence</p> <p>100% completion of all scheduled Environmental audits (ASATs) per audit cycle</p>
Land Management	
<p>Improve habitat and restore heathland vegetation in and around smelter perimeter</p>	<p>Engage consultant for the implementation of the Growling Grass frog reintroduction program.</p> <p>Portland Aluminium, in conjunction with partners, develop and implement a Heathland Management Plan</p> <p>Continue effort, in consultation with Department of Sustainability and Environment, in eventual eradication of South African Orchid</p> <p>Continue vermin control program</p> <p>Continue weed control program</p> <p>Continue effort, in conjunction with Department of Sustainability and Environment, in the protection and expansion of existing populations of Mellblom Spider Orchid.</p>
Water Management	
<p>Portland Aluminium target - reduce process water usage by 30% during 2006 (1.5MI per day to 1.0MI per day).</p>	<p>Continue dry landscaping project</p> <p>Commission Reverse Osmosis water treatment unit</p> <p>Complete Grant's Creek aquatic flora and fauna survey</p> <p>Redirect SPL wastewater to carbon bake scrubber cooling tower</p> <p>Completion of Lee Thwaites PhD Study – "Experimental program to determine the transport and mobility of wastewater chemicals through soils on the Portland Aluminium site".</p> <p>Divert condensate from Air Compressors to Compressor Cooling Tower</p>

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Air Emissions	
Plant fluoride emissions to remain equal to or below 186.2 g/min (0.27 kg F/T Al.) No exceedence of sulphur dioxide 1 hour average internal limit of 170 ppb at either Barkly Street or Percy Street Monitoring Stations	Implement potrooms fluoride emission reduction strategy. Continue to monitor sulphur dioxide levels Investigate coke blending
Greenhouse Gas and Energy	
Greenhouse Gas Reduction by 30,000T CO ₂ equiv by 2008	Begin 1 st stage reduction of 3mw of auxiliary power (currently 30mw).
Carbon Bake Scrubber	
Zero Non-compliances with VOC and PAH licence limits	Continue technical trials to reduce VOCs and PAH emissions.
Anode Green Mill	
Zero Non-compliances with VOC and PAH licence limits	Assessment of emission reduction technologies.
Cleaner Production	
Corporate Target – Using a 2000 baseline - 50% reduction in landfilled waste by 2007 Portland Aluminium Target – zero prescribed waste to landfill by end 2005	Develop and deploy advanced training to key site personnel Implementation of filter and bulka bag washing system prior to recycling through plastics industry
Spent Pot Lining	
Develop market for synthetic sand.	Continue strategy development for end uses of synthetic sand.
Plant Lighting	
Reduce the energy utilisation from unnecessary plant lighting.	Complete lighting reductions on ore distribution system.

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Environmental Awareness (community and employees)	
<p>Work with local community and employees to share environmental knowledge, conservation and environmental stewardship values and sustainability principles.</p>	<p>Portland Aluminium, in conjunction with stakeholders, will develop and implement a Heathland Management Plan</p> <p>Expand education program to include secondary schools</p> <p>Develop teacher/school in service days</p> <p>Expand the Portland and District Sustainable Schools Network.</p> <p>Continue to sponsor work experience placements</p> <p>Continue to share outcomes of environmental reports (eg vegetation studies, fauna counts)</p> <p>Continue ACTION and Bravo! Projects with employee volunteers</p> <p>Continue Fawthrop Lagoon icon project</p> <p>Continue internal environmental and community awareness training</p>