




# 2010

## Significant Aspects, Related Objectives and Targets for Matson Vessels

Environmental Impact	Significant Aspect	Objective	Target
 <p>AIR POLLUTION AND CLIMATE CHANGE</p>	<p>Consumption of bunker fuel for main engine and generator operation</p>	<p>Conserve fuel and reduce impacts to air quality</p>	<ul style="list-style-type: none"> <li>• Achieve 90% compliance with Port of Long Beach speed reduction program.</li> <li>• Install alpha lubricator system on <i>R. J. Pfeiffer</i>.</li> <li>• Install cold ironing equipment on <i>Manulani</i>.</li> <li>• Apply silicone-based hull paint on <i>Manulani</i> (Note: will also reduce potential invasive species hull fouling.)</li> </ul>
 <p>INVASIVE SPECIES</p>	<p>Using ballast water for trim and stability</p>	<p>Reduce the risk of invasive species introduction from ballast water discharges</p>	<ul style="list-style-type: none"> <li>• Continue operation and testing of Ecochlor ballast treatment system on the <i>Moku Pahu</i>. Obtain WA state approval.</li> </ul>
 <p>WATER POLLUTION</p>	<p>Machinery bilge discharges through the oily water separator</p>	<p>Operate reliable oily water separators with discharges less than 15 ppm</p>	<ul style="list-style-type: none"> <li>• Install Marinfloc™ emulsion breaking bilge water systems on <i>Manulani</i>.</li> </ul>

**Environmental Aspect** — An element of Matson’s activities or services that can interact with the environment.

**Environmental Impact** — Any change to the environment, whether adverse or beneficial, wholly or partially resulting from Matson’s activities or services.

**Environmental Objective** — An overall environmental goal, arising from the environmental policy, that Matson sets to achieve, and which is quantifiable where practicable.

**Environmental Target** — A detailed performance requirement, quantified where practicable, applicable to Matson, that arises from the environmental objectives and that needs to be set and met in order to achieve those objectives.