




2010

Significant Aspects, Related Objectives and Targets for Matson Vessels

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

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.