

# growing a green playstructure.



Playworld Systems is ISO 14001 certified, which insures that we have a system to monitor and manage our environmental impacts.

In 2004 Playworld Systems began the journey of becoming a lean enterprise. Lean is a systematic approach to identifying and eliminating waste through continuous improvement and constantly refining operations to become more efficient. As a result, we have achieved a 45% reduction in inventory while reducing average customer delivery time from 40 to 15 days, and improved on-time delivery from 93% to 97%.

## Our packaging materials:

- 80%-100% recycled, recyclable and biodegradable in 2008.
- Shipping pallets meet USDA Foreign Agriculture Service & APHIS standards.

## Our products:

- Playworld Systems is the first major U.S. playground manufacturer to remove 99.999% of PVCs from our equipment. And we will remove the remaining .001% as soon as alternative supplies are available.
- Instead of PVC (polyvinyl chloride), we are now using thermoset Polyethylene (PE), a tough, durable and eco-friendly alternative.
- Playworld's PE products and coatings are listed under the name Eco-Armor™.
  - Eco-Armor is PVC-free, phthalate-free, and dioxin-free.
  - Eco-Armor will stay clean longer because PE is less porous than PVC, and is slip-resistant due to its textured finish.
- Border Timbers, Spring Mates®, post caps, steering wheels, Cushion Play® surfacing, aluminum posts and site amenities planks are made from 100% recycled materials. The Border Timbers and site amenities planks are also 100% recyclable.
- Steel posts, climbers, barriers and components are made from up to 50% recycled materials and are at least 95% recyclable.
- Perforated-steel decks are made from 25-75% recycled materials, and are 40-90% recyclable.
- Aluminum clamps, tees and deck hangers are made from 40% recycled materials.

## Our facilities:

- In 2007, 90% of all waste we produced was recycled.
- As an ISO 14001 certified manufacturer, in 2007 alone, we recycled 2.3 million pounds of steel; over a half a million pounds of HDPE plastics; 54,000 pounds of wood; over 79,000 pounds of corrugated paper; 134,000 pounds of powder paint; 460 gallons of used oil.
- In 2005, we voluntarily upgraded our lighting system throughout our corporate facilities to non-hazardous T-5 florescent lights with electronic ballast, saving approximately 25,000 kilowatt hours and reduced mercury content by 50%. This new lighting system is 100% recyclable.
- To save energy and eliminate air contaminants, we perform extensive preventive maintenance on all equipment.
- An independent third party completed a green energy feasibility study, which was an audit of our current energy consumption and efficiencies, and identified alternative energy sources.

## Our employees:

- We recycle many items, including office paper, plastic bottles, aluminum cans, glass bottles and batteries. In 2007 alone, we recycled over 2,200 pounds of plastic bottles.
- Our employees are encouraged to constantly modify our processes in an effort to eliminate waste and align outcomes to the needs of our customers.
- Twice a year, we have a 'free market' where employees can exchange items such as clothing. Any items not taken home are given to local charities.



The world needs play.™

[www.PlayworldSystems.com](http://www.PlayworldSystems.com)

1.800.233.8404 • +1.570.522.9800