



GREAT BEER, GREAT RESPONSIBILITY

MillerCoors • 2010 Sustainable Development Report





GREAT ACHIEVEMENT: ZERO WASTE

We have always believed that waste is a resource out of place. That's why we challenge ourselves every day to find new opportunities to reduce, reuse and recycle our brewery waste.

Specifically, MillerCoors focuses on:

- Waste generation and disposal
- Waste management
- Upstream waste minimization

In 2009, we exceeded our 2015 goal, reducing the total amount of waste sent to landfill by more than 20 percent.

Two of our breweries – Virginia and Ohio – recently achieved their goals of zero waste to landfill. The breweries reduced their solid waste by cutting usage, recycling and finding creative ways to reuse brewery materials.

At our Ohio brewery, we reused scrap metal and old grating found in the brewery to make ergonomic upgrades to the high speed can packer.

Any remaining non-recyclable materials, ranging from 0.2–0.4 percent, are sent to a nearby waste-to-energy facility, where they are used beneficially to produce steam.

We're committed to further improving our performance. We're working to gain a better understanding of upcoming regulations in order to finalize a new 2015 goal for waste reduction. We expect to announce our updated target in late 2010.

2015 GOAL
Reduce waste to landfill by 15%

INNOVATIVE REUSE

In 2009, MillerCoors reused or recycled more than 99 percent of its brewery waste, including spent grain and spent yeast, wood, aluminum, cullet, metals, plastic and paperboard.

This represents a nearly one percent improvement from 2008.

Across our breweries, much of the waste is recycled and supplied to external groups for reuse. Bio-solids generated at the wastewater treatment plants are used to fertilize local farms and the lime from the wastewater treatment plant is reused as a soil conditioner. Fly ash is reused by a local cement manufacturer for cement mix, landfill cover and reclamation refill. In another example of creative material reuse, discarded glass is ground into mulch to landscape our Ohio brewery.

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EMPLOYEE GREEN TEAMS

From senior management to hourly workers, MillerCoors employees are helping to reduce our waste stream. A true grassroots effort, members of

FROM WASTE BEER TO FISH FOOD

In 2009, our Ohio brewery teamed up with [Oberon FMR](#) to run a full-scale trial of an innovative technology to create a fish food ingredient from brewery wastewater that will help alleviate dependence on natural fisheries. The high-protein ingredient, derived from nutrients found in the brewery process wastewater, is intended to replace fishmeal used for farm-raised fish. The trial showed promising results, proving the old adage, "One man's trash is another man's treasure."

our brewery green teams act as recycling ambassadors to fellow employees and take a leadership role in organizing activities aimed at reducing waste.

Several of our offices are leading the charge to eliminate waste. At our Milwaukee corporate office, employees "stashed their trash," voluntarily forfeiting their office waste bins. Their efforts resulted in a savings of more than 15,000 plastic trash bags from entering the landfill. The Vice President of our Ohio brewery gave up her office trash bin, and now only uses the community bins. Additionally, the Golden Brewery Vice President issued reusable aluminum water bottles to all employees to eliminate the use of plastic water bottles.

LOOKING BACK.

MillerCoors exceeded its waste goals in 2009, surpassing its 2015 goal five years ahead of schedule. Two of our breweries also achieved zero waste to landfill for a period of months. We've maintained a commitment to finding creative ways to reuse brewery waste, and expanded our recycling efforts across all facilities.

LOOKING AHEAD.

- Further improve waste collection methods at all breweries to increase recycling rates
- Set new, aggressive waste reduction target for 2015
- Achieve zero waste to landfill at one additional brewery



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