

Encouraging Environmental Excellence – Silver Level Award

MillersCoors LLC – Trenton Brewery

In 2014, MillersCoors LLC, Trenton Brewery, received an Ohio EPA Encouraging Environmental Excellence (E3) Silver Level Award. The silver level recognizes businesses and others that have a good environmental compliance record and have completed environmental stewardship activities. The silver level is open to any business, industry, trade association, professional organization or local government of Ohio.

The MillerCoors facility in Trenton, Ohio, is the second largest facility in the MillerCoors eight brewery network. It is the largest brewery in Ohio. In 2013, the facility completed an EMS (Environmental Management Systems) assessment to identify needs for ongoing development of an EMS. MillerCoors engages in a substantial amount of public outreach, such as their September celebration of water stewardship month.

Environmental Performance

The Trenton facility established a record water to beer ratio of 2.93 hl per hl (hectoliter per hectoliter) in a single month (June, 2013). That outperformed the global beer benchmark water to beer ratio of 3.5. The 2013 year-to-date performance (at the time of the nomination submission) was 3.23.

The facility completed its first management systems assessment in 2013 in order to facilitate continued EMS implementation. The EMS assessment process was focused on guided self-assessment in order to help facility buy-in. Further, air emission was reduced by 34 percent from 2011 to 2012, 1,447 tons to 952.87 tons, respectively.

The facility also constructed 2.5 acres of new wetlands onsite, which help alleviate flooding, and improve ground water quality and discharge to the Great Miami Buried Valley Aquifer. The wetlands are currently in their five-year establishment period.

Voluntary Initiatives

The Trenton facility implements a voluntary source water assessment and protection program and is a member of the Hamilton to New Baltimore Groundwater Consortium. As a member of the consortium, MillerCoors funds nine percent of the salary of a full-time ground water manager.

The facility has reduced the number and quantity of extremely hazardous substances. It has reduced the quantity of onsite chlorine, and has developed preliminary plans for the elimination of hydrogen chloride gas.



MillersCoors LLC – Trenton Brewery recognized for:

- Focusing on water use reduction, setting a company record of 2.93 gallons of water used to make one gallon of beer.
- Reducing nutrient discharge or nitrates to the Great Miami River in 2012 by more than 25,000 pounds, compared to 2011.
- Reducing toxic emissions from 197,257 pounds in 2011, to 96,755 pounds in 2012.

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The facility is actively working on voluntary EMS systems implementation. While many functional elements are in place, work continues on formalization and addition of elements such as “aspects and impacts analysis.”

Life-Cycle Analysis

The company is actively working on life-cycle analysis cost. This includes water foot-printing, accounting for water consumption from grains to glass. This has resulted in demonstration projects in the barley growing regions where new irrigation methods reduced agriculture water inputs to barley by an order of magnitude.

Environmentally Preferred Purchasing

At the Trenton facility, the company has worked on installation of a packaging line for 40 and 32 ounce beverages in plastic instead of glass. The light weight of the packaging has resulted in an improvement in transportation costs and indirect emissions.

Innovation

The Trenton facility is landfill free. They have established a high quality managed prairie, which is in good health. Natural Resources Conservation Service conservation practices are followed in prairie management. The facility has also applied for a permit-to-install, which includes the use of wastewater in cooling towers.

Environmental Management Accounting

The facility practices rigorous management of water, energy and waste. The Trenton brewery monitors performance in hectoliters of water used per hectoliter of beer packaged; Mega Joule per hectoliter of beer packaged, including fuel and electric information; following the Global Reporting Initiative requirements; evaluating performance via the sustainability assessment module of one of their parent companies, SABMiller.

For more information

MillerCoors LLC – Trenton Brewery, 2525 Wayne Madison Road, Trenton, OH 45067, Mark S. Koch, P.E., Sustainability and Environmental Engineer, (513) 844-4238, mark.koch@millercoors.com.

For more information about Ohio EPA’s Encouraging Environmental Excellence program, contact the Office of Compliance Assistance and Pollution Prevention (OCAPP) at 800-329-7518, or visit epa.ohio.gov/ocapp/ohioe3.aspx.