



Maryland Green Registry MEMBER

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

MOSAIC

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Marketing Print Communications
Member since December 2010

Management and Leadership

Environmental Policy Statement

Environmental Mission Statement

"We are dedicated to being mindful of our use of the earth's natural resources, our impact on it and our responsibilities to our industry as an environmental leader. Every day our actions shall promote sustainability in our industry and in the lives of our employees."

Environmental Policy

At MOSAIC it is our environmental policy to reduce our carbon footprint and environmental impact over time. We are committed to minimizing the environmental impact of our working practices through continual review of our operations and procedures. We see this as an ongoing process, from the choice of ink and paper, to the shipping of finished products, to the handling of printed waste, our activities set examples of sound business practices to our industry. We subscribe to the following best available practices in our pursuit of sustainable environmental contributions:

- Review activities, products, processes and services to limit the nature and scale of our environmental impact. All of our employees are committed to ensuring that their working practices are as environmentally sound as possible.*
- Take measures to increase employee awareness of our environmental performance and individual environmental responsibilities, and ensure that environmental management is included within our employee induction and training programs and public announcements.*
- When purchasing or outsourcing we look closely at our supplier's/partners environmental credentials and base our decisions on their acting in making maximum use of all environmentally friendly materials.*

- *Encourage responsible use, reuse and recycling of all our products to include all manufacturing supplies and materials used in the printing, mailing and shipping processes of our operation.*
- *Review the mode of all deliveries in relation to client requirements and the environment in order to deliver by the most environmentally friendly means possible.*
- *Observe all environmental laws and regulations, as well as relevant non-binding standards and proposals.*

Brendan Connors and Joe Fontana, Co-Owners, MOSAIC

Annual Environmental Goals

MOSAIC has been a part of the U.S. EPA’s Climate Leaders program since 2008. As part of the program’s yearly audits, MOSAIC pledges to achieve net zero U.S. GHG emissions from 2008 to 2015. In addition, MOSAIC pledges to reduce U.S. GHG emissions by 5 percent per internally produced sales dollar from 2008 to 2015.

MOSAIC also consistently tracks and controls on an annual basis its energy consumption (from carbon footprint to natural gas consumption), water consumption, tonnage of paper used vs. waste produced, percentage of aluminum plates recycled, sustainable forested paper usage, low VOC ink usage, wood pallet recycling, and EPA and State compliance reporting.

Environmentally Preferable Products and Services

Waterless printed Products printed by MOSAIC are produced by a waterless process and use soy inks and often use FSC (Forest Stewardship Council) certified paper.

Environmentally Preferable Purchasing

MOSAIC has supported responsible forestry since 2005 through the purchase of FSC-certified products. This audited certification program makes sure the paper being used on a printing job comes from trees that were harvested in an environmentally responsible and sustainable way. All MOSAIC’s FSC printed jobs proudly bear their FSC chain of custody logo.

Environmental Restoration or Community Environmental Projects

MOSAIC's corporate website www.MOSAICPRINT.com dedicates a page to our environmental initiatives. It is our hope that in the sharing of all that we do can possibly inspire others to do the same.

MOSAIC also purchases reforestation credits thru CarbonFund.org to reforest some 2.6 acres each year both nationally and internationally to offset 455 metric tons of carbon emissions.

Waste

Solid Waste Reduction and Reuse

MOSAIC makes their environmental brochures downloadable in pdf format in an effort to eliminate paper usage.

Recycling

Over 1,200 tons of post-consumer waste is sent for recycling annually from the MOSAIC facility in Cheverly, Maryland. MOSAIC also recycles all of its aluminum printing plates, some 28,761 lbs worth yearly. In addition, MOSAIC also recycles over 22,000 lbs of plastic from its manufacturing operation. Almost everything that is left from the print manufacturing process is considered for recycling. Even worn out wooden skids that cannot be refurbished are sent out to be recycled as mulch.

Hazardous Waste/Toxic Use Reduction

In 2006, MOSAIC went high tech using the Man Roland closed loop solvent recovery and cleaning system in its manufacturing operation. This system automatically removes contaminants and impurities from all of its used press solvents resulting in a recycled reusable solvent. This process reduced waste solvent disposal from an average of 118 55-gallon drums yearly to less than 10 drums yearly.

MOSAIC also uses more than 30 tons per year of ZERO VOC soy based ink for both its waterless and conventional printing. ZERO VOC UV inks are also used in MOSAIC's latest generation of printing, the new KBA 6-color 41" 105 UV Press.

Energy

Energy Efficiency

MOSAIC's entire facility utilizes high efficiency compact fluorescent lighting fixtures and systems that result in a 15% or more savings in electrical consumption. In mid 2008, all the old CRT monitors (30 in all) in the front office were traded in for new high energy efficient LCD flat screen monitors. These new LCD monitors use approximately 25% less electricity than the old CRT monitors and generate the equivalent of approximately 278 kWh per month in energy savings. At MOSAIC, little things do add up.

Renewable Energy

MOSAIC has also been a proud member of EPA's Green Power Partnership since 2007. The Green Power Partnership is a voluntary program that supports the organizational procurement of green power by offering expert advice, technical support, tools and resources. MOSAIC is ranked 20th among printers in the nation by the EPA Green Power Partnership which recognizes companies for their commitment to procuring green resources to offset CO₂ emissions. For its annual green power purchases, MOSAIC is in the top ranking of printers in EPA's Partner Rankings.

In 2007, MOSAIC also became Carbon Neutral through its wind powered initiatives and its involvement in reforestation programs. Instead of traditional electricity sources like coal and natural gas, MOSAIC is avoiding the annual production of an estimated 4,606 metric tons of carbon dioxide emissions. This is the carbon equivalent of taking more than 354 cars off the road for a year, according to figures from the U.S. Environmental Protection Agency.

The firm purchases over 3,100,000 kilowatt hours (kWh) of renewable energy certificates (RECs) each year, and has contracted up to five years from local wind farms located in Western Pennsylvania. This is the annual electric usage equivalent for some 294 average homes yearly, and it represents more than half the annual production of one \$2-million wind turbine.

"Our commitment to 100% wind power is part of our company's environmental obligation as caretakers for our future generation," said Brendan Connors, Co-Owner of Mosaic.

Water

Water Conservation

In 1993, MOSAIC was one of about 60 quality-driven printers that supported waterless printing as a leading environmentally friendly printing technology. Almost 16 years later, MOSAIC stands with just a handful of printers who have remained dedicated in their conviction to deliver a high quality eco-friendly printed piece for their customers. MOSAIC's waterless printing uses up to 20% less make-ready time thus reducing the amount of paper waste, while using no water, and using soy-based ZERO VOC inks. These quality efforts have been recognized by MOSAIC's receiving such awards as the "Golden Benny" and "Q Award" from organizations like the Printing Industries of America (PIA) and the Printing and Graphics Association of the MidAtlantic (PGAMA).

Other

Summary of MOSAIC's Environmental Initiatives

- *Waterless Printing since 1993*
- *Print with Soy based Inks, Waterless*
- *Print with UV biodegradable Inks, UV*
- *Recycle all of its PCW paper (over 1200 tons yearly)*
- *Solvent Recovery of all of its chemical solutions*
- *FSC certified since 2005*
- *100% wind powered energy*
- *Participate in Reforestation Programs*
- *Carbon Neutral (Earth Day 2007)*
- *EPA Green Power Leadership Partner*
- *Joined EPA Climate Leaders Program - Earth Day 2008 ranked 14th in US*

MOSAIC is proud of the work environment that it provides its employees. It is through the results of good communication between their employees and management that MOSAIC has been awarded Best Workplace in the Americas by the NAPL/GAIN organizations for 8 years in a row and 5 of those years designated with the honors of being "Best of the Best."



Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.

Learn more at www.green.maryland.gov/registry

