



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.

Williams & Heintz Map Corporation



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Map Printing Folding and Pre-Press
Member since September 2009

Management and Leadership

Environmental Policy Statement

<http://whmap.com/wp-content/uploads/2012/02/Environmental-Policy.pdf>

Williams and Heintz Map Corporation (W & H) takes a forward looking view on business decisions that may have environmental consequences.

We are committed to reducing the impact the company has on the environment; to educating customers and assisting them in making environmentally sensitive choices.

W & H is committed to raising the level of environmental awareness of our employees and staff and promoting the needs and responsibilities of environmental management.

We are committed to educating vendors and promoting partnerships that support environmental and social responsibility.

Williams & Heintz has implemented an Environmental Management System to continuously improve its environmental performance and sustain compliance with the ISO 14001-2015. Personnel and financial resources will be allocated to assist in meeting environmental objectives and targets that will be reviewed as necessary.

We will:

- *Comply with all applicable environmental legislation and regulations and go beyond legal requirements.*
- *Set sustainability targets, monitor, and continually assess environmental performance.*
- *Continually improve waste management practices and reduce consumption of natural resources.*
- *Use material and practices that take due care to ensure that this energy intensive process cause no avoidable adverse environmental impact.*
- *Comply with customer and/or supplier requirements while working closely with them to establish the highest environmental protection standards.*
- *Make the company's environmental information available to interested parties and communicate our objectives and our performance.*



Environmental Team

The Environmental Team at Williams & Heintz was established to minimize harmful effects on the environment caused by its activities, to achieve continual improvement of its environmental performance. On the team are the Williams & Heintz Map president, and a representative from each department:

*Management
Maintenance
Pre Press
Press Room
Bindery*

The team meets twice per year. Safety and environmental issues are reviewed within the context of the ISO 14001-2015 Procedures Manual. Employee suggestions involving health & safety, any potential environmental impacts from our operations, and recycling efforts, are heard and considered. It has been our experience that some of the best ideas for improving our environmental friendliness have come from the employees here on-site.



Environmentally Preferable Purchasing

For our employees, Williams & Heintz provides Fair Trade Dean's Beans Coffee. This coffee helps small farmers around the globe, is organic, which helps protect the critical migratory bird habitat.

We worked with Fuji to change the way that our plates are packaged. This eliminated thousands of pounds of cardboard from being transported to and from our shop each year.

Independently-Audited Environmental Management System

Williams & Heintz map is ISO 14001-2015 certified for cartographic production, large format cartographic production and specialized map folding. ISO 14001-2015 is a standard for our business to develop and maintain an environmental management system.

This means that our valued customers can be assured of our commitment to continually improve our environmental performance. The processes and materials that we use to create quality maps and charts are continually monitored to reduce our environmental footprint and to decrease pollution and waste.

Annual Environmental Goals

Our 2017 goals include the following:

- *Continue working with our suppliers and customers, to reduce packaging materials, and still keep materials safe for shipping and storage.*
- *Install a rain garden to help keep rain water runoff to a minimum.*
- *Build a Greenhouse*
- *Look at possible solar energy for the future.*
- *Look into a possible Green Roof*

Environmentally Preferable Products and Services

Williams & Heintz Map Corporation provides free consultation services to help customers select green alternatives and materials. We can assist in the design process to reduce environmental impact.

Waste

Solid Waste Reduction and Reuse

In 2008, Williams & Heintz Map Corporation installed a new Computer-to-Plate device. This process replaced the old technique of making photographic films for exposing printing plates. An image created in desktop publishing applications is output directly to a printing plate. Such technology eliminates production steps, reducing water & chemical use, materials purchased, and the amount of solid waste (old films) generated.

In 2010, we installed a device that further reduces the chemicals that we use in the plate processor. The plate developer extender, which recycles the plate

developer, has reduced the chemicals that we use in this process by 30%. We saved 22 gallons of developer and \$1,143 in 2010.

We reuse the tissue paper that is between our plates. This eliminates the need to purchase packing material. We reuse the chipboard packaged with the plates on the tops of pallets before we load them with our product.

The skids, pallets, and skid tops that our paper and supplies are delivered on, are reused for shipping our finished material out.

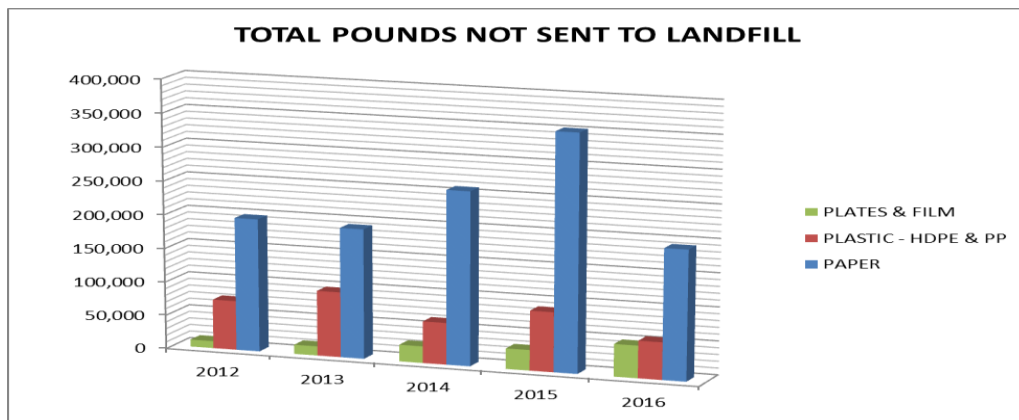
Recycling

Williams & Heintz recycles a wide variety of materials:

- Paper
- Polyart (HDPE)
- Tyvek (HDPE)
- Plates
- Film
- Ink cans
- 55 gallon drums
- Steel strapping
- Used oil and waste ink
- Construction waste including: copper tubing & wire, old water heaters, used equipment.

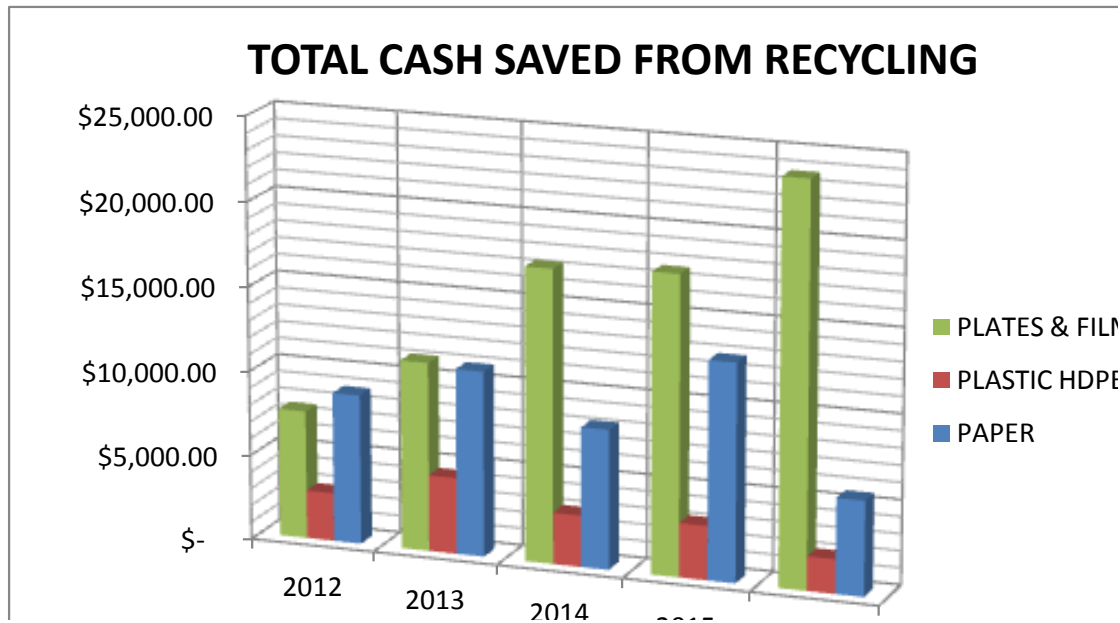
In addition to printing on paper, we print on a plastic sheet (#5 polypropylene), that is great for a durable long lasting map. Williams & Heintz has found a recycler of the waste plastic from our map production.

In 2015 we switched paper recyclers. The old company only took our paper. The new company takes our paper, Plastic, cardboard, and busted up pallets. We no longer have to send our plastic to Chicago, which saves many gallons of fuel.



Paper Recycling by Williams & Heintz Map decreased in 2016, reflecting a reduction of waste during the manufacturing process. The increase in efficiency is

due to the change in nature of the work and improvements that we made to the process.



Williams & Heintz has seen considerable cash savings from recycling initiatives. We use all the money made from recycling the scrap metal and aluminum cans to have employee pizza parties

Hazardous Waste/Toxic Use Reduction

Williams & Heintz has made great strides in eliminating toxic materials from all departments in the shop. We generate no hazardous waste.

All photographic film and printing plate developing chemistry is now water-soluble and requires no special handling or disposal procedures.

The press room has eliminated petroleum-based inks. In 1989, alcohol-based fountain solution was eliminated and replaced by alcohol substitutes.

Regarding cleaning solvents: we managed to eliminate all hazardous waste. We occasionally purchase meter roller cleaner, but by the gallon now instead of 55 gallon drum, for specific cleaning tasks.

Energy

Energy Efficiency

In 2016 Williams & Heintz completed installation of LED lighting to help save on energy use and cost.

Williams & Heintz Map Corporation uses ENERNOC demand response and energy management. ENERNOC provides auditing tools to reduce energy costs and pays Williams & Heintz for reducing energy use during peak hours.

We shut down production once per year to determine our energy reduction capabilities. Then on peak hours we may be called upon to shut down production for a few hours to help reduce the energy demand.

From 2012 to 2016 we have saved \$16,818.10 in energy costs.

Water

Stormwater Management and Site Design

Some of our employees use the open space we have for gardens. This helps to soak up some of the rain water instead of it just running off into the drainsystem.



View our video

Profile Updated June 2017



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

