



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.

Evonik Industries



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Specialty Chemical
Member since February 2016

Management and Leadership

Environmental Policy Statement

Huber Engineered Materials – Havre de Grace Plant is committed to responsible business practices that protect our human and natural resources.

We will minimize our environmental impact on air and water and protect the safety and health of our employees, contractors, and visitors. We will operate in accordance with an Environmental Management System based on J.M. Huber's Minimum Mandatory Standard Requirements and the J.M. Huber Corporation EH&S Policy. Specifically, we will:

Compliance – *We will manage our business activities to meet all applicable government laws and regulations; all internal J.M. Huber EH&S standards, procedures, and commitments; and all other EH&S requirements (external to the organization) to which J.M. Huber subscribes.*

Protection – *We will conduct our activities in a manner which protects the well-being of our employees and the public, minimizes our environmental footprint, and meets the needs of the present without compromising the ability of future generations to meet their own needs.*

Performance – *We will commit to continual improvement of our EH&S performance. The Huber Sustainability Metrics, total recordable injury rates, and other EH&S metrics will be used to target and measure our EH&S performance improvements.*

Technology – *We will innovate technology that is consistent with our goal of net positive EH&S impact and which economically feasible to implement.*

Management will establish and review annual goals and objectives specific to environmental, health, and safety. This policy is aligned with the Huber Vision, and will be communicated to and supported by all employees.

Environmental Team

Green team consists of members from production, maintenance, quality, and management. Members work to identify and implement measures that improve the environmental performance of our facility and operations through steam and air audits, identifying and designing methods to reduce paperwork and streamline plant good documentation practices.

Environmentally Preferable Purchasing

Purchases of new motors and electronics are designed for high efficiency use to reduce electrical consumption compared to previous equipment.

Environmental Restoration or Community Environmental Projects

Donations to local museums, garden projects; serving on board for Havre de Grace Environmental Testing and Education Center

Independently-Audited Environmental Management System

Internal and external audit, based on ISO 14001 standards using minimum mandatory standards and requirements, MMSR management system. Audits consist of regulatory compliance and documentation in practice.

Waste

Solid Waste Reduction and Reuse

Waste stream identified in secondary application in white cement production and soil reclamation. The soil reclamation works to capture contaminants via absorption to allow soil to be used as fill with consistent quality, structural strength, and permeability.

Recycling

Expand single stream recycling program to include specific paper and cardboard recycling. Pallets from supplier are returned on delivery truck of future deliveries. Mercury recycling program established to control mercury containing substances.

Hazardous Waste/Toxic Use Reduction

Internally assess reducing hazardous and toxic storage inventory and to replace with non-hazardous and non-toxic alternatives. Battery, aerosol cans, oil and light bulb collection points for tracking and monitoring waste disposal.

Energy

Energy Efficiency

- 1. Replace and update failed metal halide, sodium hydride, mercury vapor lighting with LEDs. Upgrade mechanical damper flow control systems with VFD control systems. For 2014, this resulted in 137,000 kWh in energy reduction.*
- 2. Replace belt style on fans and motors. Reduction in noise levels and energy consumption, 1,000 kWh per year for 20HP or greater motors.*
- 3. Replace failed steam traps identified during quarterly audits. Replaced 14 traps out of 73 due to leaks through 2015.*
- 4. Repair air leaks identified during monthly audits. Repaired leaks for November 2015 included \$7,600 of annual savings. December 2015 included \$1,900 of annual savings.*

Water

Water Conservation

Residual heat from existing processes will be identified and heat recovery efforts will be implemented to generate hot process water which is currently steam heated. The process will reduce steam usage and provide high purity hot process water.



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

