



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.

## The Vane Brothers Company

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Marine Transportation

Member since June 2012

### Management and Leadership



#### **Environmental Policy Statement**

*Vane Line Bunkering, Inc. is committed to provide the safest possible working conditions for its personnel and to protect the health and safety of the public and the environment on all of its equipment afloat and in its facilities ashore. We are dedicated to continual, aggressive improvement of port and fleet operations and pollution prevention in order to minimize environmental and safety hazards.*

*To affirm its commitment, Vane Brothers endeavors to comply with applicable current laws and regulations and to develop the best feasible operations procedures, technologies and programs. Through its shore-based management, tug masters and barge captains, Vane works closely with all personnel to maintain a safe and healthy workplace.*

*Primary responsibility for health, safety, and environmental protection, however, lies with each individual employee. To that end, the company requires employees to strictly follow those policies and procedures established by the Safety Management System and to abide by all applicable laws and regulations. This policy is visibly posted throughout the company's facilities. It is available to the public upon request and is posted on Vane's internal website.*



#### **Annual Environmental Goals**

*As part of our compliance with the ISM-Safety Management System, our goals and objectives cover the following environmental targets:*

- *Prevent any oil or chemical spill to water from any company vessel;*
- *Prevent any oil or chemical spill to water from any company owned facility;*
- *Reduce emissions in the fleet of company owned vessels (tugs and barges) by replacing aged diesel engines with new VOC compliant diesel engines, Tier II.*
- *Reduce regulated solid waste streams from the vessels and facilities by utilizing swap policy for batteries, recycling program for electronics components – computers and hardware; and changing out fluorescent bulbs with new energy efficient bulbs.*
- *Reduce residual waste by educating purchasing department on ordering parts and supplies with minimal use of packing materials, plastic wrap, additional boxes and recycling cardboard and paper at all facilities.*

**Environmental Restoration or Community Environmental Projects**

*Vane participated in a Stream Clean up on October 31<sup>st</sup>, 2009 at Patapsco State Park in conjunction with the Baltimore Port Alliance Environmental Committee and joined by Wallenius Wilhelmsen Logistics, and Ports America partners.*

*Additionally, Vane participated in Project Clean Stream organized by the Dundalk Renaissance Corporation at St. Helena Park on April 10<sup>th</sup>, 2012.*

**Independently-Audited Environmental Management System**

*Vane is OEMS, Operational Excellence Management System, compliant as required by major oil company customers following RC-14001 guidelines. The objectives and targets required by the program are audited by the American Bureau of Shipping for compliance during the annual ISM-Safety Management System audits.*

**Waste**

**Solid Waste Reduction and Reuse**

*Vane recently purchased additional land including two abandoned piers. The concrete decking was removed and crushed and stockpiled to be re-used during the next bulkhead repair project. Approximately 1,500 tons of concrete was relocated to Vane's property on the opposite side of the harbor at Pier 12-13 for re-use when the current bulkhead is to be replaced. The material will be used to back-fill the new bulkhead. It has been sampled and is approved for re-use.*

**Recycling**

- *Paper and all electronic components are recycled at all Vane facilities.*
- *Vane has a swap-out policy in effect with all batteries purchased for use on the tugs and barges. The vendor collects all large industrial size batteries for recycling as part of this policy.*
- *Vane recycles all used oil from all of its facilities.*

**Hazardous Waste/Toxic Use Reduction**

*Used paint is managed through a reduction program of stock control to ensure vessels are not over-stocked, thus greatly reducing the amount of partial containers landed ashore for disposal. This same program is in place shore-side to prevent accumulation of used paint. A standardization program of paint colors allows for any partial containers to be used for re-painting and touching up to ensure all paint purchase is applied versus disposed.*

**Energy**

**Energy Efficiency**

*Vane recently finished a Blue Star Energy Contract where all exterior facility lighting was changed out along with interior warehouse lighting. Details of the project are:*

*Existing: 105,952 kWh  
Proposed: 43,926 kWh  
Saved: 62,026 kWh  
Reduced annual cost: \$7,132.96  
CO<sub>2</sub> saved: 44.54 tons  
SO<sub>2</sub> saved: 258.83 tons  
NO<sub>x</sub> saved: 109.48 lbs  
Equivalent cars off the road: 8  
Equivalent trees planted: 1.142*

*The large warehouse (8,700 sq ft) used for the Marine Launch operation is fitted with motion sensor/lighting zones that come on when personnel are working in the warehouse. This has resulted in a huge savings and will extend the service life of the new bulbs.*

## Transportation

### **Fleet Vehicles**

*A recent policy change was placed in effect to reduce the total miles of use on our company service trucks and vehicles. Trucks are no longer driven home by the mechanic on call; the truck is left at the facility and if there is not a call out, the off-hours use and miles has been reduced to zero in most cases. We are still calculating the exact amount of diesel fuel and gasoline saved on this project. We expect this small change to yield a significant savings in vehicle operating costs.*

## Water

### **Stormwater Management and Site Design**

*Our facility is located on the banks of the Patapsco River in the Baltimore Harbor, and along each edge of our property is a swale that is used to capture sediment and any wind-blown debris washed from our facility during heavy rains. This swale has been maintained to reduce the sediment run off and recently upgraded to include a new sod center section to better capture any sediment run off from the paved parking areas. The facility is designed to drain to these swales to ensure all water is filtered through the natural grasses, sod and phragmites that line the swale. The facility operates under a SPCC and SWPPP Plan and this plan requires a monthly visual inspection of the facility and these swales for signs of any pollution or degraded vegetation.*

## Other

### *Vane enrolled in the EPA-sponsored Waste Wise program in 2008.*



*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](http://www.green.maryland.gov/registry)*

