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.

Clym Environmental Services, LLC

1539 Tilco Drive, Suite 123
Frederick, MD 21704
301-694-6000
clymenvironmental.com
Safety support services, waste and recycling services
Member since April 2018

Management and Leadership

☑ **Environmental Policy Statement**

At Clym Environmental Services, we are committed to providing unequalled service value to our customers while continually seeking to identify and implement practices that will improve our compliance with all applicable regulatory requirements, better our environmental performance and reduce or prevent pollution. We will accomplish this by attracting, hiring and training exceptional staff members focused on environmental sustainable operations, and consistently reviewing and documenting our progress toward this important goal. Our senior managers are charged with assuring that this mission is included in all that we do and that we remain a reliable steward in our community.

☑ **Environmentally Preferable Products and Services**

Clym's innovative regulated medical waste (RMW) treatment system utilizing naturally occurring ozone as a disinfectant, instead of industry standard thermal processes such as incineration and autoclaving, reduces the associated Greenhouse Gas equivalent emissions by more than 500% per year. This low temperature treatment process also allows for the segregation, reclamation and recycling of plastics, a primary constituent found in RMW, which are damaged or destroyed by high heat processes. Further, Clym eliminates the common use of landfills for final disposal by utilizing recycling for target constituents and waste-to-energy for non-target materials. This groundbreaking technology allows Clym to provide a service that reduces the environmental impact of effectively treating

medical waste, such as is generated in healthcare, life sciences research and pharmaceutical production, while recycling the plastics in RMW and eliminating the use of landfills. Given that there are millions of tons of RMW generated each year around the globe, and that more than 500 metric tons of GHG equivalents are estimated to be produced for every one million pounds of RMW treated by incineration, Clym's sustainable technology will have a major impact in substantially lowering GHG emissions and increasing recycling rates.

Waste

☑ **Recycling**

We implemented a comprehensive single-stream office and warehouse recycling program. Recycling containers were placed in offices, throughout the warehouse and in our break room. We quickly learned that the vast majority of our solid waste was recyclable. Since implementation of that program we have eliminated the need for our 8-yard dumpster, which used to be pulled weekly. We now generate 3-6 95-gallon toters of recyclables per week plus cardboard, and are down to one toter for solid waste. The program not only increased our recycling generation rate but also saved us money in solid waste pulls. We estimate our savings to be $100/week or over $5000 per year!

Included in our recyclables are cardboard, paper, plastics (packing materials, water / soda bottles), cans and miscellaneous.

☑ **Hazardous Waste/Toxic Use Reduction**

We operate a radioanalytical lab at our site that conducts liquid scintillation (LS) counting. LS counting involves using a "cocktail" of chemicals to enhance the scintillations produced by certain samples. Many of these "cocktails" rely on hazardous chemical constituents (xylene, toluene, benzene, etc.). By performing a series of tests and quality assurance measures, we were able to identify an environmentally friendly LS media that does not contain hazardous constituents. After validation, our lab has eliminated the hazardous cocktails and relies exclusively on non-hazardous cocktails. Though our use of these materials is dependent on our workload and current contracts, we estimate that on average we have reduced our use of hazardous materials by more than 100 gallons (or approximately 900 lbs.) per year. Though the cost of the non-hazardous cocktail can be more than other varieties, the reduction in waste disposal costs made this change have no net cost to our business.

☑ **Fleet Vehicles**

We operate a small fleet of services vehicles. We have instituted GPS vehicle tracking and smart routing solutions to limit the miles we travel, the time

our vehicles are operating, and fuel required to complete our routes. Our vehicles are maintained on a strict quarterly preventive maintenance schedule. Our tracking and routing system not only reduced the route length, but also allows us to react in real time to new service requests. Combining our tracking, routing and PM service approach, results in more efficient operations, happier clients and less miles traveled, and hours worked. Though variables make it difficult to track exact impacts, we have seen a consistent reduction of 15% in fuel and time expenses after implementation of these initiatives.

Profile Updated April 2023