



PEOPLE & ENVIRONMENT FIRST



Plasti-Fab is striving to be the world leader in the implementation of green technologies within the composite manufacturing industry.

OUT WITH THE BAD!

Manufacturing, by nature, can often unavoidably be a messy project. While, for the greater good, the product is positive in its overall influence upon our world, our environment can often take the brunt of the side effects. Over the last few years we have made significant strides as a company towards minimizing the potentially harmful emissions that any of our manufacturing processes may release. Our Managed Emissions Process (MEP) Program encompasses all of these efforts and represents our Green approach to manufacturing for the future.



FROM SQG TO CEG

In 2009, we focused heavily on reducing VOC emissions. By eliminating the use of Acetone as a process solvent from 2000 gallons per year to less than 70 gallons per year, we reduced our VOC emissions from Acetone by more than 96%! As a result of these efforts, Plasti-Fab will go from a Small Quantity Generator (SQG) of hazardous waste - nearly 17,000 pounds annually, to a Conditionally Exempt Generator (CEG) - less than 2640 lbs annually. We are subsequently eligible for a reduced air permit as well.

Plasti-Fab has also switched its process of dispensing resin from traditional containers to closed dispensing systems. This manages and controls the VOC of gassing emissions by more than 80% for infusion oriented processes.

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MANAGED EMISSIONS PROCESS

IN WITH THE GOOD!

RECYLED FRP COMPOSITE

In 2010, Plasti-Fab officially began recycling and reusing fiberglass waste in the form of a recycled fiberglass reinforced plastic (FRP) compound. This compound is not only greener, but also much stronger and actually replaces several poly foam materials used in various projects.



THE MACHINE

The recycling process is achieved through the use of a custom made grinder-muncher machine. The machine takes the various waste materials from several processes and creates a mulch that can be used in products that are fabricated with the Plasti-Fab MEP processes. The recycled mulch is used in closed mold processes as a replacement for foam core products, thus reducing the use of non-biodegradable foam. Plasti-Fab is currently able to recycle in excess of 1,000 pounds of FRP a month, keeping it from the landfill, and replacing about 1,280 square feet of new foam purchases.

WOOD

VS

FIBERGLASS

THE BENEFITS OF FRP

Fluid management products made of composite FRP exponentially outlasts products made of wood, steel, or concrete in corrosive environments. It is not known for certain just how long composite FRP products will last, but we do know that many of the boats made when the fledgling technology was used in manufacturing in the 1950's are still on the water today. The longevity of composite FRP products drastically reduces replacement costs that occur with other products when they cease to function due to rotting, corroding, or bacterial breakdown. Reduced product consumption has a positive environmental consequence through reduction of the manufacturing carbon footprint and reducing landfill mass for failed equipment disposal. Plasti-Fab composite FRP products come standard with a 25 year corrosion warranty.

CONTACT US FOR MORE INFORMATION

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