



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.

Turf Painter



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www.TurfPainter.net
Athletic Field Painting
Member since November 2021

Management and Leadership



Environmental Team

As a small business owner, I consult with others in a plethora of industries to see where they are reducing environmental impacts and adapt those practices to my own operations. I am a member of the Sports Turf Managers Association, which provides a variety of professional resources, including environmental management best practices and strategies.



Environmentally Preferable Purchasing

I will be supplied by companies that manufacture and ship from the United States, preferably along the Eastern seaboard. Localizing my asset procurement will yield significant reductions in freight expenses alone.



Environmental Restoration and Community Environmental Projects

As a graduate of the Anne Arundel County Watershed Steward's Academy Tree Trooper Program, I implemented a keystone project that installed 30 native trees in a critical area. As a member and president of my homeowner's association, I have overseen the landscaping contracts and walked the neighborhood with tree experts, our country forester and others to find best management practices for our own water privileged community. These include reduced herbicidal applications in favor of selective trimming, removal of non-native species and replacement of felled or downed trees with native species. I

have also worked with the Magothy River Association to bring oyster spawn to our neighborhood marina for many years.

Waste

Solid Waste Reduction and Reuse

Field marking paint comes in many varieties including those packaged in aerosol cans which use propellants and include concerning VOCs. These cans are also inefficient, using significant amounts of material for a small area. A soccer field could take an entire twelve pack case of cans to paint. That is twelve metal, aerosol cans in a cardboard package to paint a single field: a lot of waste! Disposing of these spray paint cans needs special handling and it is nearly impossible to remove residual paints from the spray can.

I am sourcing paint which ships in plastic pails or jugs. Some of them are sent as concentrates, manufactured in the United States. This saves significant pollution! A single container can paint one soccer field. This is a significant reduction of waste alone, but I will also be buying in bulk. One shipment will last me one season of projected painting projects creating less freight, less truck miles, and less wasted product. By providing a specialized service, I can streamline the process to be more environmentally friendly.

Athletic field marking by Turf Painter will be achieved with a GPS guided robot. It is battery powered and uses a low-pressure pump to precisely apply paint. The robot uses "wind wings" near the applicator. These all result in incredible efficiency of paint application. The paint only goes where it is desired! Aerosol cans don't!

For every full-size soccer field Turf Painter manages, I will reduce waste from a cardboard packaged case of twelve aerosol cans to a single, recyclable plastic container. I project in my first year, that I will use 100 jugs of turf marking paint. This removes 1,200 cans of spray paint from our local waste stream! As Turf Painter grows, our positive environmental impact grows!

Recycling

Aerosol cans are difficult if not impossible to recycle. Even when the can itself is spent, wasted product remains within the spray can. The paint I will use on our state's fields will be sourced from large pails and jugs. These jugs will be upturned to relieve all paint product from the container, lightly rinsed and then placed in with routine recycling services offered by the county and state.

Composting

Paper, food, and other appropriate materials are composted onsite through vermicomposting. All appropriate paper packaging resulting from the business will be added to the vermicomposting stream.

Hazardous Waste/Toxic Use Reduction

The paint used is water-based and low VOC.

Transportation

Efficient Business Travel

Because many fields are within one single complex, I am able to manage multiple field linings with one trip. Where fields are within walking distance, I am further able to reduce multiple vehicle trips and the associated vehicle and carbon emissions. Using a single service provided by Turf Painter reduces calls for multiple volunteers to convene at one location to paint fields with dozens of spray paint cans.

Water

Water Conservation

The paints used are water-based and concentrated so that water can be added to stretch the products. When the container is empty, we will use the smallest yet appropriate amount of water to flush them, leaving a clean plastic container to be recycled.

Environmental Certification Programs, Awards, and Other Activities



- Home office is [BayWise](#) certified by the UMD Extension Office
- Graduate of Anne Arundel County Watershed Steward Academy [Tree Trooper Program](#)



Help build a greener, more sustainable Maryland through voluntary practices that reduce environmental impacts and save money.

Learn more at green.maryland.gov

