

Simon Milne

Advancing Plastic Stewardship: bioaqualife™ Welcomes Minnesota's Leadership, While Highlighting the Need to Respect Landfill-Biodegradable Innovation

Executive Summary

bioaqualife™ fully supports Minnesota's Stewardship program and its commitment to tackling plastic pollution. As creators of bioWrap™, a landfill-biodegradable and recyclable solution, we stand firmly behind recycling efforts that extend the lifecycle of plastic materials. At the same time, we encourage policymakers to recognize and respect innovations like our proprietary landfill-biodegradable technology—engineered to work when recycling is not possible. In combination, these approaches offer a more holistic and effective path forward.

The Need for a Multi-Track Approach to Plastic Waste

Minnesota's stewardship program is a much-needed step forward in managing single-use plastics, especially seasonal materials like boat wrap. But as the legislation rolls out, several operational questions emerge:

- What happens when recycling is not practical due to contamination or lack of infrastructure?
- How are wraps used outside of marinas—such as in residential or agricultural settings—being handled?
- What percentage of collected plastic is ultimately landfilled or incinerated despite recycling efforts?

bioaqualife™ believes these gaps can be closed by integrating landfill-biodegradable products like bioWrap™, bioTape™ and bioDoor™ into the stewardship ecosystem.

bioWrap™: Designed for the Real World

While recycling should be the first option, not all shrink wrap waste makes it to a recycling facility. bioWrap™ offers a practical solution to these challenges:

- Landfill-Biodegradable: Designed to biodegrade safely in landfills within 3–5 years, bioWrap™ eliminates the need for complex recycling processes.
- No Additional Infrastructure Required: Users can dispose of bioWrap™ through regular waste channels, reducing the burden on recycling facilities.
- Cost-Effective: By avoiding the costs associated with recycling contaminated plastics, bioWrap™ offers a more economical solution for both consumers and municipalities.

Shared Mission, Distinct Strengths

We view Minnesota's stewardship legislation not as a challenge, but as a call to action—a chance to unite recycling efforts with breakthrough biodegradable technologies.

To be truly sustainable, the future of plastic stewardship must be inclusive of both:

1. High-performance recycling programs, and
2. Materials that safely degrade when recycling isn't possible.

Recommendations for Policymakers

1. Recognize and include bioWrap™ landfill-biodegradable solution as complementary tool within stewardship program securing its landfill disposal.
2. Clarify recycling and collection logistics for boat wraps used outside of marinas.
3. Publish transparent data on material recovery rates vs. landfill/incineration volumes.
4. Support innovation that ensures no plastic becomes permanent waste and addresses microplastics.

Conclusion

Minnesota is setting an important precedent by mandating stewardship for boat wrap plastics.

bioaqualife™ is ready to support these efforts—while also advocating for a realistic and inclusive strategy that respects landfill-biodegradable technologies like bioWrap™.

Together, we can drive meaningful change—not just in how we manage plastic waste, but in how we design materials to align with real-world environmental needs.

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