

Landfills are the final destination for millions of worn-out wind turbine blades, where their toxic plastics will be left to rot for the "benefit" of generations to come.

As the blade debris becomes more embedded in the topsoil, the family worries it will contaminate their corn. After landowners waited months, Acciona removed one of the foundations, a ...

Wind turbine blade coating is not toxic and does not account for large - or any - emissions of BPA or microplastics. Claims have been made that wind turbine blades shed dangerous amounts of ...

The erosion of wind turbine blades is one of the most frequently observed mechanisms of wind turbine blade damage. In recent months and years, concerns about high volumes of eroded plastics and ...

In this article, technologies of recycling of wind turbine blades (for currently used blades) and possibilities of development of new recyclable blade generation are discussed.

We have documented the threats of industrial wind turbines to both soil and water in their pre and post-construction phases, not to mention birds, bats, insects, and humans. But not enough ...

The researchers estimated that current annual amounts of metals shed from blades at operating European offshore wind facilities to be high enough that, when taken up by seaweed and ...

We explore the structural composition of wind turbine blades, the environmental and economic implications of their disposal, and the potential for energy recovery and waste management.

Contamination of waterways, soil profiles and the waste management arising from wind turbine blades containing high levels of BPA is recognized worldwide as a "ticking time-bomb".

This updated post was originally published in Feb. 2025 but remains very relevant as five East Coast offshore wind projects are ever closer to completion. When one of the massive turbine ...

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