

Faith Moeser

Hello,

I would like to propose a cleanup possibility for the PFA's contamination. I am in the Soil Food Web School and have been in contact with Adam Swan. He has worked on compost piles with DNA testing of the microorganisms. Through his process, he has been able to steer the piles to serve a function, for example, breaking down plastics through biology. He then has them DNA tested and can prove that the organisms are in there to break down the plastic.

With his help, I have a proposed idea. The compost that I make with the guidelines of the Soil Food Web School is called biocomplete compost. This means it meets biological minimums of bacteria, fungi, protozoa, nematodes, etc. which I confirm by using a microscope. A known amount of contaminated soil will be mixed in with a parent compost pile in equal proportions. Then it is tested for PFA's. After that, it is composted in a thermophilic fashion. As it is maturing, it will periodically be tested for PFA's. There will need to be three separate piles for better data, and they have to be covered to prevent the PFA's from leeching out. From these piles we will have biology that will break down PFA's. I would love to hear your thoughts on this.

Thank you for your time

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Attached is an article on biology breaking down PFA's that was put into the water: [Scientists Identify Bacteria That Can Break Down 'Forever Chemicals'](https://www.e360.yale.edu/scientists-identify-bacteria-that-can-break-down-forever-chemicals) [e360.yale.edu](https://www.e360.yale.edu)