

# Deodorizing Activated Carbon Enhanced with Heat Treatment

ID# 2001-2412



PennState



Activated carbon

## Technology Summary

A method is disclosed to enhance the odor and taste adsorbing properties of activated carbon. The most common odorants in drinking water are 2-methylisoborneol (MIB) and geosmin; both of these compounds are better adsorbed when the carbon is first heat treated in a specific concentration of gases.

## Application & Market Utility

Industries using this activated carbon for removing contaminants would have to remove and replace the carbon less if using this enhanced version of the product, cutting down on production costs.

Household water filters could also require less replacements for equivalent reasons.

## Next Steps

Patent 7,202,195 has been issued. Seeking licensing opportunities.

TECHNOLOGY READINESS LEVEL

4-7

### Seeking

Investment | Licensing | Research

### Keywords

- deodorizer
- water filtration
- purifier
- activated carbon
- activated charcoal

### Researchers

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### Originating College

College of Engineering

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