

Optimize Your PFAS Compliance Costs with Carbon Rejuvenation™

Birchtech's state-of-the-art Carbon Development & Emerging Contaminant Analysis Design Centers **combine advanced expertise in granular activated carbon (GAC)** and applied research to deliver a comprehensive and innovative approach to PFAS treatment.

Our unique process includes **Carbon Rejuvenation™ of spent granular activated carbon** and rigorous comparison of its performance to virgin carbon. Using insights from our detailed analysis, we provide expert recommendations for the **most cost-effective and efficient PFAS treatment solutions.**






Carbon Rejuvenation: A Sustainable Solution for Spent GAC

Why Choose Carbon Rejuvenation?

- **Carbon Rejuvenation is an advanced process that restores spent GAC for reuse**, enabling continued adsorption performance while reducing reliance on virgin raw materials.
- As a **cost-effective alternative to virgin carbon**, **Carbon Rejuvenation** reduces new carbon production, conserving resources and lowering lifecycle costs
- **Carbon Rejuvenation destroys PFAS compounds adsorbed** in spent GAC, **eliminating the liabilities associated with disposal.**

Our Tailored Solutions

-  **Performance Testing**
Compare the efficiency of rejuvenated carbon versus virgin carbon with precision, enabling confident decision-making for your water treatment processes.
-  **Custom Formula Development**
Collaborate with our experts to refine the ideal rejuvenated-to-virgin carbon mix, addressing the specific needs of your water utility or system.
-  **Data-Driven Insights**
Our comprehensive analysis helps identify cost-saving opportunities while ensuring regulatory compliance and sustainability.

How It Works

- ✓ **We Rejuvenate Your Spent GAC:** Send us a sample of your spent GAC, and we will process it using our custom-designed carbon rejuvenation platform.
- ✓ **We Compare Rejuvenated GAC to Virgin GAC:** Provide a sample of your water and your virgin GAC. We evaluate and compare the PFAS performance of rejuvenated GAC against virgin carbon and, if applicable, other virgin GAC products.
- ✓ **We Provide Recommendations on the Optimal Blend for PFAS Compliance:** Using performance data and in-depth expert analysis, we recommend the ideal blend of virgin and rejuvenated GAC to help achieve the most cost-effective PFAS compliance solution for your facility.

Contact Us Today

+1 614-505-6115 ext 6

sales@birchtech.com

birchtech.com

Carbon Rejuvenation Design Center
State College, PA

Expert Analysis, RSSCT Design Center
Grand Forks, ND