

Activated Carbon Technology - Solutions and Service

Sprint Environmental Services, LLC provides turnkey activated carbon technology solutions and service. Our environmental and technical experts understand regulatory compliance requirements and best treatment practices to meet your objectives, while recognizing the financial impact of the project. We can assist with engineering the final design of a permanently installed system or recommend an appropriate pre-engineered, Sprint adsorption system and activated carbon to meet your needs.

If your application requires VOC emissions control, water treatment, wastewater treatment or odor control, Sprint can provide the proper carbon, equipment and service for your project and budget. We help support your compliance objectives and minimize liability, while considering the economics of each project. Sprint's carbon adsorption systems are a proven technology that operate reliably, economically, and safely while supporting federal and state compliance regulations and sustainability programs through our spent carbon reactivation facility.

TURNKEY CARBON SERVICE PROGRAMS

Vacuum and Slurry Service

- Sprint provides turnkey carbon service for hard-piped, permanent systems. Our OSHA certified and trained technicians arrive on site to remove the spent carbon via proper conveyance, package the spent material and label for transport in UN/DOT approved packaging.
- The interior and internals are inspected, and minor repairs made.
- The adsorbers will be refilled with Sprint's premium activated carbon and the manways closed and sealed completely.
- The spent carbon is transported to the reactivation facility for processing.*

Adsorber Exchange Program

- The adsorber exchange program is a convenient, cost-effective method to managing non-permanent adsorbers when the activated carbon is spent.
- When the adsorber is spent, and you have notified Sprint, fresh canisters will be delivered and spent canisters picked up and returned for service at our service facility.
- The spent carbon is reactivated by the Sprint reactivation plant *



* All spent carbon must have an approved profile prior to transportation and reactivation.



CARBON ADSORPTION EQUIPMENT

Liquid Phase Adsorption Systems

- Durable carbon steel constructed adsorbers
- Corrosion and abrasion resistant internal coatings
- Corrosion resistant exterior coatings
- Low- and high-flow systems (50 GPM - 2,200 GPM)
- Low- and high-pressure options (75 PSI - 125 PSI)
- Pre-engineered to be safe, efficient, economical, and simple to install and operate
- Optional manifolds available for simple series or parallel operation
- Equipment rental or purchase options available for adsorbers

Vapor Phase Adsorption Systems

- Durable carbon steel constructed adsorbers
- Corrosion and abrasion resistant internal coatings
- Corrosion resistant external coatings
- Low and high flow options available (100 CFM - 5,000 CFM)
- Optional manifolds available for series or parallel operational convenience
- Hoses, hose kits, fittings, and gauges are available to compliment field operations
- Equipment rental or purchase options available for adsorbers

ACTIVATED CARBON

- Premium granular activated carbon (GAC) and pelletized activated carbon for vapor and liquid phase applications
- Virgin and reactivated products available
- Anthracite coal based, bituminous coal based, coconut based, acid washed and specialty carbons available





CARBON REACTIVATION SERVICES

- Sprint owns and operates the only carbon reactivation facility on the Gulf Coast and is centrally located in Crosby, Texas
- Reactivation and recycling spent carbon is the environmentally friendly alternative to disposal or destruction
- We operate an on-site laboratory for analysis of spent carbon and QA/QC of reactivated and virgin carbons
- Certificate of analysis (COA) are available upon request
- A completed spent carbon profile form, addenda, analytical of the spent carbon and our evaluation, review and approval are required prior to acceptance and reactivation of the spent carbon
- Custom segregated reactivation is available
- The reactivation process uses high temperatures and residence time in the kiln and the addition of steam to remove organic compounds that have adsorbed into the carbon pores
- Our process oxidizes the removed contaminants via thermal oxidation in the facility's afterburner and acid gases are removed with a caustic scrubber
- The reactivation process ends the liability of handling and disposing of the adsorbed contaminants
- Spiral separators ensure the removal of silt/sand and foreign material resulting in a higher quality reactivated carbon
- The product is screened to the proper mesh sizes
- The process of reactivation recycles the spent carbon into a new reusable product, restoring the carbon pore structure and surface area to near virgin-grade quality
- A Certificate of Reactivation (COR) is issued for each shipment upon request



ADVANTAGES OF SELECTING SPRINT AS YOUR PARTNER FOR ACTIVATED CARBON SOLUTIONS AND SERVICE

- The Sprint brand you know and trust
- Complete turnkey carbon service programs
- High quality virgin and reactivated carbons
- Our technical experts can help select the right product for your application to ensure optimal performance, minimize the need for changeouts and minimize operating costs
- Equipment rental and purchase options
- OSHA certified and trained technicians
- Install, start-up and operation teams available
- On-site media changeout service via vacuum or slurry
- Adsorber exchange programs
- Labor and monitoring equipment to perform BWON monitoring and record-keeping services in accordance with Subpart FF an/or the facility consent decree
- Packaging and transportation of spent carbon for reactivation
- Customer support that includes proper sampling of spent carbon, profiling assistance, completion of BOL's, scheduling of on-time pickups and deliveries
- Technical support for carbon applications and final system design
- Regulatory support to properly classify spent carbon
- Local, Sprint owned and operated carbon reactivation and recycling facility with on-site laboratory
- Service Locations across the Texas and Louisiana Gulf Coast



**FOR ADDITIONAL PRODUCT INFORMATION OR TO
SCHEDULE SERVICE AND REACTIVATION CONTACT
CUSTOMER SERVICE
713-400-1082**