

## FOREST PRODUCTS SOLUTIONS

*We provide solutions for all aspects of the forest product industry marketplace. Below are a few examples of some recent work that shows what we can do for you.*

### WE ARE PROUD TO HAVE HELPED OUR CLIENTS:

- Reduce air emissions, compliance costs, and overall operating costs, by optimizing combustion efficiency in biomass boilers and improving overall energy efficiency,
- Support Boiler MACT compliance with energy assessments, boiler tuning, and compliance strategies,
- Benchmark GHG performance against comparable facilities in North America and Europe to set environmental goals and objectives,
- Implement ISO 14000 management system for paper manufacturing and converting facilities to develop sustainable EHS programs and drive continuous improvement,
- Audit EHS compliance programs and management systems to identify performance gaps, and assist in attaining conformance with applicable requirements (government and corporate-wide),
- Provide routine regulatory updates and a summary of potential impacts, ensuring these changes are incorporated into operational and capital planning,
- Support process safety management and risk management plan programs by conducting a third-party audit and providing a summary of observations for overall program enhancement,
- Evaluate paper machine operations to minimize discharge to a wastewater treatment system and significantly reduce capital needed to support expansion, and
- Complete engineering evaluations of WWTP and in-stream modeling to optimize plant performance while maximizing permitted discharge limits.

866-234-5768

[sageenvironmental.com](http://sageenvironmental.com)

## LOCATIONS

AND MANY MORE ON THE WAY!

### ASHEVILLE

1006 North Fork Road  
Marshall, NC 28753

### ATLANTA

600 Chastain Road NW, Suite 320  
Kennesaw, GA 30144

### AUSTIN

4611 Bee Caves Road  
Suite #100  
Austin, TX 78746

### BATON ROUGE

8440 Jefferson Highway, Suite 400  
Baton Rouge, LA 70809

### BEAUMONT

5550 Eastex Freeway, Suite G  
Beaumont, TX 77708

### CHICAGO

20 N. Wacker Drive, Suite 2825  
Chicago, IL 60606

### DALLAS

720 West Arapaho Road  
Richardson, TX 75080

### DENVER

1905 Sherman Street, #1010  
Denver, CO 80203

### GREEN BAY

W 6906 Number 2.5 Lane  
Menominee, MI 49858

### HOUSTON

12727 Featherwood Drive, #210  
Houston, TX 77034

### LAKE CHARLES

826 Ford Street  
Lake Charles, LA 70601

### LARAMIE

410 Grand Street, #303  
Laramie, WY 82070

### LOS ANGELES

117 Bay Shore  
Long Beach, CA 90803

### NEWARK

Regus Office Complex  
30 Knightsbridge Road  
Piscataway Township, NJ 08854

### NEW ORLEANS

3525 N. Causeway Boulevard  
Suite 902  
Metairie, LA 70002

### OKLAHOMA CITY (AQUATIC TOXICITY LAB)

832 NW 67th Street  
Oklahoma City, OK 73116

### PHILADELPHIA

535 North Church Street  
West Chester, PA 19380

### RICHMOND

2601 Swanhurst Drive  
Midlothian, VA 23113

### SAN DIEGO

506 West Vista Way  
Vista, CA 92083

### SAN FRANCISCO

18 Evergreen Drive  
Orinda, CA 94563

### ST. LOUIS

127 West Clinton Place  
Kirkwood, MO 63122

**S A G E**

ENVIRONMENTAL CONSULTING

*Friendly Service, No Surprises!®*

866-234-5768

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## FOREST PRODUCTS

**S A G E**

ENVIRONMENTAL CONSULTING

*Friendly Service, No Surprises!®*

Sage offers a broad range of specialty environmental services that maximize operational flexibility within the confines of EHS regulations.

We transform regulatory challenges into manageable projects and help establish EHS practices that build a stronger company, keeping your people safe.

Allow us to meet your forest products industry needs from the ground up!

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## ABOUT SAGE THE LEADER IN EHS CONSULTING

Founded in 1998, Sage Environmental Consulting provides a full range of environmental, health, and safety (EHS) compliance services to meet the specialized needs of the forest products industry.

### EHS SPECIALISTS

Our core team members began their careers in pulp, paper and wood products facilities, with roles as WWTP operators, air permit engineers, EHS managers and facility engineers. Because we understand the ins and outs of the forest products industry, we know how to help you attain your EHS goals and objectives. We've supported hundreds of facilities by knowing where common missteps occur and how to avoid them.

### PROFESSIONAL/DEGREED ENGINEERS

More than 85% of our 250+ technical consultants are degreed and/or professional engineers with the critical thinking skills necessary to analyze and consider your operations and provide you with quality solutions.

### INDUSTRY INFLUENCERS

Sage actively participates in national, regional, and local industry associations including NCASI, TAPPI, CAPCA, and WPC.

### EXPERIENCED SERVICE PROVIDERS

At Sage, we see the big picture clearly and understand the industry and regulatory complexities upon which your solutions are based. We believe every project is an opportunity to earn your trust through high quality execution.

## EXPERTISE

### MEET THE FOREST PRODUCTS TEAM

**ANITA DOEPKE** With over 30 years of experience Anita has held every level of management in pulp, paper, and wood products facilities and knows how to streamline compliance. Her specialties include water and wastewater treatment, management systems, due diligence, and compliance auditing; her involvement spans over 100 facilities.

**JOHN JOYCE, PH.D., P.E.** With a strong reputation in the forest products industry and a foundation in environmental chemistry, John delivers innovative and cost-effective compliance options. John champions simple, straightforward, and economic solutions for water and wastewater management, combustion optimization with emissions minimization.

**PHIL SPARKS** With over 14 years of EHS experience, Phil specializes in air permitting and air-related compliance support for the forest products industry. His breadth of knowledge includes a spectrum of environmental issues, such as wastewater treatment system operation & design, waste management, stormwater management, compliance auditing, and EMS development.

**ROXY FINCHER** As an environmental engineer, Roxy has been involved in multiple levels of facility management and has a reputation for delivering speedy, quality work. Roxy delivers no-nonsense solutions to EHS requirements, and her areas of expertise include air and wastewater permitting, multi-media auditing, SPCC, stormwater plans, and radiation safety.

## CONTACT US

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phil.sparks@sageenvironmental.com

**ROXY FINCHER • 803-480-2078**  
roxy.finch@sageenvironmental.com

## CAPABILITIES

### ENVIRONMENTAL SERVICES

- Air Quality Permitting - PSD, NSR, Title V
- Air Dispersion Modeling
- Water and Wastewater Management
- Corporate Multimedia & Due Diligence Audits
- Emission Inventory/SARA Reporting
- Leak Detection and Repair (LDAR) Services
- Water Toxicity Testing and Analysis via our WET Lab

### SAFETY SERVICES

- PSM/RMP
- Compliance and Health & Safety Systems Audits
- OHSAS 18001 & Management Systems
- Radiation Safety
- Safety Hazard Identification and Risk Assessments
- HS Training and Compliance Programs

### ENGINEERING SERVICES

- Process Engineering
- Combustion Evaluation and Optimization
- APC Design and Troubleshooting
- Turnkey EPC Capital Projects
- Wastewater Expansion
- Stormwater System Design and Upgrades
- Spill Control Contaminants

### BENEFITS

- Cost savings from practices that optimize resources and avoid fines.
- Integrated EHS compliance programs that minimize effort and eliminate rework.
- Sustainable programs that ensure a successful future.
- Custom solutions to your biggest challenges.
- A reduced environmental footprint.