

Stephen T. Smith, P.E.

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EXPERIENCE

2005 – Present Stephen T. Smith, P.E. Consulting, Helena, MT.

Mr. Smith offers engineering and environmental consulting to businesses in forestry, wood preserving, natural resources, manufacturing, and agricultural sectors. Recent projects include:

- Life Cycle Assessment of treated wood products
- Oil and gas industry SPCC Plans and Air Permits
- Coal ash landfill permitting
- NPDES permitting of industrial facility
- Technical reviews, evaluations, and statistical uncertainty determinations for studies of wood preservative efficacy
- Potable water supply pipeline and booster pump system
- Economic study of treated wood use in aquatic environments
- Study of U.S. use and disposal of CCA treated wood
- Environmental permitting of oil, gas, and wood fired boiler facilities
- Phase I environmental assessments

Oct. 2003 – 2004 Osrose, Inc., Industrial Products Manager, Helena, MT.

Mr. Smith was responsible for market development of a new wood preservative system, copper naphthenate, and borate treatment. The market area was the greater United States. Mr. Smith developed marketing materials, including technical papers, PowerPoint presentations, and brochure language. Marketing efforts were targeted to utility and railroad companies while working with existing and potential wood treating companies, involving extensive travel.

2002 – Sept. 2003 AquAeTer, Inc., Technical Director, Helena, MT.

Mr. Smith consulted primarily on environmental issues related to manufacturing industries, particularly wood preserving. Project highlights include:

- Authored the environmental response section for the Creosote Council II submittal to the USEPA in defense of the use of creosote and creosote treated wood in rebuttal to the petition filed by Beyond Pesticides/National Coalition Against the Misuses of Pesticides.
- Project management of remedial work at a former wood preserving plant.
- Authored studies of economic value of treated wood in California and volumes of treated wood existing in California related to industry effort to protect use and disposal options for treated wood in California.

1999 – Oct. 2001 Koppers (China) Carbon and Chemicals Company, Ltd., Technical and Operations Manager, Tangshan, Hebei Province, P. R. China

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Mr. Smith was responsible for the setup and start-up of a new coal tar distillation plant for a joint venture company. He reported to the General Manager, the only other expatriate in the company. He had direct oversight of the Technical and Operations departments, including:

- Interviewing, hiring, and training the department staff of 62 Chinese employees, including department managers, engineers, maintenance technicians, operations supervisors, and operators,
- Direct management of the reconstruction and construction program,
- Permitting, agency coordination and negotiations,
- Safety, health, and environmental programs,
- Interface with company experts in the USA and Australia,
- Selection and management of Chinese consulting and construction companies,
- Start-up commissioning,
- Formation of management systems, and
- Daily operations.

1997 – 1999 Koppers Industries, Inc., Environmental Compliance Manager, Pittsburgh, Pa.

Mr. Smith was responsible for the overall environmental compliance program at all 20 manufacturing locations, including supervision of staff of 3 Environmental Manager professionals. Principal duties include:

- Management of the corporate Environmental Compliance program,
- Leadership and participation in the EH&S Plant Performance Evaluations program,
- Development of a corporate EH&S Management System,
- Development of a corporate EH&S Training Plan,
- Representation of the company with agencies, and
- Hiring, training and development of Environmental Compliance Department staff.

1989 - 1997 Koppers Industries, Inc., Environmental Program Manager, Pittsburgh, Pa.

Mr. Smith was responsible for environmental compliance at all wood preserving plants (15 plants in 15 states) operated by KII. Duties included

- Conducting formal and informal audits,
- Representing the company with agencies,
- Conducting annual RCRA and environmental compliance training,
- Obtaining environmental permits, including Federally enforceable Clean Air Act and NPDES permits,
- Problem solving related to process and environmental systems,
- Advised the company on capital project planning and environmental policy.
- Planning and conducting test burns and obtaining permits for wood fired cogeneration facilities,
- Following acquisition of the Somerville, TX plant, he was a member of the team responsible for the partial redesign and start-up of wood preserving and wastewater treatment systems,
- Coordinating with the Program Managers for the Tar and Coke plants and other

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- corporate EH&S staff professionals, and
- Participating in American Wood Preservers Institute where he served as Government Affairs Committee Chairman for 3 years.

1981 -1989 Koppers Company, Inc., Plant Engineer, Feather River Plant, Oroville, Ca.

As Plant Engineer, Mr. Smith's duties included environmental compliance, remediation, and production processes. He represented the company in relations with the EPA, state, and local agencies and the media related to environmental compliance and remedial activities, including the conduct of a Remedial Investigation and Feasibility Study under the Superfund program. He directed the design and installation of an off-site potable water supply to residences for which groundwater was potentially impacted. His engineering accomplishments included construction engineering and oversight and start-up of a 5 MW cogeneration wood fired boiler system, design and construction management and start-up of a wastewater treatment system, and an energy efficient replacement outdoor lighting system. He participated in the Western Wood Preservers Institute and California Manufacturers Institute on behalf of Koppers, including being a member of the team that developed and implemented the Wood Treater Pesticide Applicator Certification training program for California.

1979 -1981 U. S. Forest Service, Supervisory Engineer, Plumas National Forest, Oroville, Ca.

Mr. Smith was responsible for road design, construction, construction management, and repair projects within Forest property, including supervision of other engineers and technicians. Additionally, he designed and supervised construction of water and waste water projects for Forest facilities.

1977 -1979 U. S. Forest Service, Engineer, Helena National Forest, Helena, Mt.

Mr. Smith surveyed, designed, and managed construction of roads and water and waste water systems for the Forest.

1976 -1977 U. S. Corps of Engineers, Engineer, Mt. Home AFB, Id.

Mr. Smith served as construction inspector for Corps projects on the base, including construction of a dormitory, a dining hall, and upgrade of pollution control equipment on the power plant.

1973 -1976 U. S. Air Force, Engineer, March AFB, Ca.

Beginning as 2nd Lieutenant and later as 1st Lieutenant, Mr. Smith provided Base Engineering services, including construction and repair projects related to base buildings, roof systems, water and waste water treatment, and roads. He was Base Environmental Coordinator for part of this time, which included preparation of a Spill Prevention, Control, and Countermeasures Plan for the base. He commanded the mobile engineering team during the last year.

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PROFESSIONAL REGISTRATION

Registered Professional Engineer (Civil) in California, Montana, and Idaho

COMPUTER SKILLS

Microsoft Office Word, Excel, Access, PowerPoint, and Outlook

EDUCATION

Bachelor of Science in Civil Engineering, University of Idaho, Moscow, Id., 1973.

Attended many short courses, including ones on:

- Plant Engineering Systems
- Environmental Auditing
- Negotiating Environmental Permits
- Clean Air Act Amendments and Permitting
- Environmental Remediation
- RCRA Compliance
- Management
- Public and Press Relations

AFFILIATIONS

Western Wood Preservers Institute (WWPI)

American Wood Preservers Institute (AWPI)

Mr. Smith was Chairman of the Governmental Affairs Committee, 1993 –1997, earning an Outstanding Service Award. Previously, he was Chairman of the Water Issues Subcommittee of Government Affairs. He was active in AWPI efforts involving lobbying Congress and negotiating with the EPA for issues of importance to the wood preserving industry. He also served on the Executive Committee and Board of Directors. (The AWPI is no longer active.)

National Society of Professional Engineers

Western Environmental Trade Association (WETA)

Intermountain Roundwood Association

Natural Resources Conservation Service --Technical Service Provider

American Wood Protection Association (AWPA)