

NATURAL SYSTEMS INTERNATIONAL

...leaders in applied biotechnology - wastewater, stormwater, reuse, watershed restoration...

STATEMENT OF QUALIFICATIONS

Natural Systems International (NSI) is an engineering firm founded in 1989 with the goal of applying holistic ecological solutions to the problems that arise from the human uses of water. The firm focus is the design and development of energy efficient and cost effective natural systems. NSI offers progressive options for water master planning, wastewater treatment and reuse, stormwater treatment and reuse, water supply, and watershed restoration. NSI provides comprehensive specialized engineering services in the area of biological wastewater treatment systems, using the natural ecologies of ponds (wastewater lagoons), marshes (constructed wetlands), prairies, grasslands (land application/irrigation), and woodlands and forests (irrigation). Additionally the firm provides engineering design services for stormwater best management and low impact applications. NSI is also experienced in the design of water supply systems for small communities and developments. With associates in Boston, MA; Pittsburgh, PA; Columbus, OH; and San Ramon, CA; NSI is able to provide personal service to our clients throughout the United States and internationally.

Because of the exploding interest in the field and our proven experience, NSI has undertaken natural treatment projects in 40 states, Canada, Mexico, Costa Rica, Panama, the Bahamas, Fiji, India, China, Cambodia, Afghanistan, and Australia. NSI has had the privilege of working with many Native Americans tribes throughout the U.S. including the Shoshone, the Arapaho, the Navajo, the Lakota Sioux, and the Tesuque Pueblo.

NSI is particularly effective in providing engineering and construction administration services to small communities (< 50,000 people) for regional decentralized wastewater treatment systems, stormwater treatment systems, reuse systems, and watershed restoration projects. The firm will often participate in an integrated design process with other design professionals, allowing us to achieve significant savings for our clients by integrating building, siting and landscape design with wastewater collection, treatment and reuse, and stormwater management.

NSI boasts a rare depth and diverse range of experience that equals or exceeds even the largest national engineering firms. Since 1989, NSI has designed, developed studies, specified and observed construction, on more than 500 projects varying in design flow from 450 gallons per day (gpd) to 1.1 million gpd. We have firmly established our reputation for innovation and excellence with state and local regulatory agencies throughout the United States. Placing extra emphasis on both creativity and economics, NSI specializes in the implementation of natural treatment system designs using native plant species to treat municipal, commercial, residential, industrial, and agricultural wastewater, as well as mine tailings, landfill leachate, storm run-off, potable water, septage, and sludge.

We are in constant communication with other leading experts in the field, and are often asked to provide assistance to the environmental regulatory community in the development of guidelines for the design and permitting of various natural wastewater treatment systems. With other experts, we are quite literally “writing the book” for the foundation of a new environmental remediation industry. Our work has been featured in a PBS documentary, in the New York Times, in leading trade publications such as Metropolis, Architectural Record, Green Source and Southwest Contractor. Two of the firm’s founders, Craig Campbell and Michael Ogden, have written a textbook titled “Constructed Wetlands in the Sustainable Landscape” that was published by John Wiley and Sons. The text has recently been translated into Chinese.

3600 Cerrillos Road, Suite 1102 Santa Fe, NM 87507
t 505.988.7453 — f 505.988.3720
www.naturalsystemsinternational.com



NSI

NSI has been a leader in the design of wastewater and storm water reuse projects for the Federal Government, municipalities, developments, commercial facilities, and single residences. NSI was the first firm to have total reuse projects (for irrigation and/or flushing waster closets) in New Mexico, Nevada, New Jersey, Washington D.C., and Virginia. NSI has been the engineering firm of record on many LEED projects that involved varying degrees of reuse of both wastewater and stormwater.

Our holistic approach requires more than the understanding of treatment and reuse, our staff is experienced in water supply and master planning issues. We possess a substantial understanding of the regulatory and permitting processes, and have a wealth of experience with public meetings and hearings. Our client's require a responsive firm capable of quickly executing a project and obtaining the necessary permits. We take pride in our ability to provide state-of-the-art engineering services.

