



SILVER WOLF

Consulting & Engineering, Inc.

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DANIEL E. WOLF, VICE PRESIDENT, C.I.H., P.E.

Profile

- ❖ Mr. Wolf has 20 years of experience in assessment and remediation of contaminated groundwater and soil, industrial hygiene, indoor air quality, hazardous waste management and industrial waste treatment. His experience includes design, installation and operation of ground water and soil remediation systems, project and construction management, preparation and professional certification of Contamination Assessment Reports, Remedial Action Plans, RI/FS Reports, construction plans and specifications, IAQ sampling and surveys, engineering design documents, health and safety plans, and SPCC plans
- ❖ As an EH&S Manager, Mr. Wolf is responsible for providing senior technical review and oversight for engineering design and construction on remedial installations and civil construction projects, managing industrial hygiene projects, and for providing senior technical review for complex health and safety issues.
- ❖ Qualified and experienced Industrial Hygienist, Certified by the Board of American Industrial Hygiene and a successful 20-plus year track record in the Occupational Safety and Health profession.
- ❖ Provides expert occupational safety and health consultations and expert witness services.
- ❖ Demonstrated accuracy in researching hazardous work practices, conditions and safety standard violations.

Certifications and Designations

- ❖ American Board of Industrial Hygiene
 - Certified Industrial Hygienist (CIH), Serial No. 8228, Issued 2001
- ❖ Department of Professional Regulation
 - Professional Engineer: Florida #46774, Alabama #21165, South Carolina #17455, Georgia # 27168
- ❖ Florida Licensed General Contractor (GC) #62568

Education

Colorado School of Mines, Golden, CO
B.S. – Chemical Engineering, 1984

Skills Summary

- Airborne Sampling of Gases, Vapors and Aerosols – Worker Exposure / OSHA.
- Indoor Air Quality Investigations – Commercial and Residential.
- Asbestos Surveys on buildings and structures per EPA and OSHA.
- Health and Safety Plans for petroleum and hazardous waste sites
- Design and construction of pilot plant to assess acid mine drainage containing heavy metals
- Design, construction, and operation of pilot plant to assess treatability of solvent and heavy metal contaminated groundwater.
- Design of activated carbon treatment system for remediation of PAH contaminated groundwater.
- Ventilation Assessments – General and local exhaust measurement, assessment & design
- Noise Assessments – Occupational and Community Noise Measurement
- Confined space entry management and oversight for chemical tank cleaning and 72-inch underground pipeline inspection
- Potent Compound Airborne Sampling of Pharmaceutical Drugs – Worker Exposure
- Design, construction, and operation of bench scale activated sludge reactors to assess treatability of complex cyanide waste and organic acids generated by wet oxidation processes.
- Evaluation and design modifications of a treatment system for a printed circuit board plant effluent. Processes included precipitation, clarification, ultrafiltration, and sludge dewatering.
- Design and operation of wash water recycle systems for golf courses, car washes, food manufacturing plants, and auto parts recycling.

Professional Affiliations and Memberships

- ❖ American Industrial Hygiene Association – Since 2001
- ❖ Society of Professional Engineering - Since 1988

Professional Experience

- **Remedial Action Plans, Florida**

Project Manager responsible for preparation, review, and certification of over 200 Remedial Action Plans, in accordance with Florida Department of Environmental Protection (FDEP) regulations. System designs have included soil excavation and treatment, groundwater pumping, groundwater modeling, numerous treatment methods including air stripping, activated carbon absorption, chemical precipitation, filtration, settling, liquid/liquid separation, pH adjustment, free product recovery, air sparging, groundwater circulation, soil venting, bioremediation and in-situ treatment methods.

- **Contamination Assessment Reports, Florida**

Project Manager responsible for assessment, data reduction, ground water modeling, and report preparation for numerous projects throughout Florida. Many of these site investigations included Initial Remedial Action tasks in the form of free product recovery or soil excavation. Sites assessed include retail petroleum facilities, bulk terminals and commercial fleet facilities.

- **Indoor Air Quality Investigation/Mold Survey**

Project Manager responsible for investigation of two-story city hall building. Investigation included indoor air quality investigation (relative humidity, temperature, carbon dioxide, carbon monoxide,

HVAC survey, surface moisture readings, etc.) and microbiological sampling in 10 areas. Sampling included 10 agar samples and two lift samples. Work also included investigation of water intrusion and extensive evaluation of building roof, walls, and flooring.

- **Mold Survey**

Project Manager for mold survey/evaluation of two 4000 square foot + residential homes. Work involved conducting relative humidity, temperature, surface moistures and microbiological sampling. An extensive evaluation of the HVAC system was performed. Roof, walls and flooring were inspected for moisture intrusion and mold growth.

- **Indoor Air Quality Investigation/Mold Survey**

Project Manager responsible for investigation of two-story city hall building. Investigation included indoor air quality investigation (relative humidity, temperature, carbon dioxide, carbon monoxide, HVAC survey, surface moisture readings, etc.) and microbiological sampling in 10 areas. Sampling included 10 agar samples and two lift samples. Work also included investigation of water intrusion and extensive evaluation of building roof, walls, and flooring.

- **Mold Survey**

Project Manager for mold survey of 3500 square foot residence. Work included complete IAQ survey and microbiological sampling. Performed detailed analysis of structure utilizing as-built drawings and visual inspection. Provided specifications and plan to remove existing mold and replace damaged areas.

- **Mold Remediation Inspection/Oversight**

Performed inspection of mold remediation project during removal of walls, flooring, and cleaning/drying of structural components of residential unit. Work included application of microbicide and moisture proof coatings. Surface moisture readings were collected. Provided oversight of work and strategies for moisture prevention. Prepared completion report for remediation.

- **IAQ Surveys/Sampling**

Performed numerous IAQ surveys including sampling/testing of carbon monoxide, silica dust, nuisance dust, potassium hydroxide, mercury, aldehydes, chemical dusts, respirable dusts, ketones, solvents, BETX compounds, heavy metals, alcohols, acrylates, and numerous pharmaceutical compounds.

- **Soil Remediation, Florida**

Project Manager responsible for ex-situ remediation of 8,000 tons of hazardous soil contaminated with chlorinated solvents and rodenticides. Design involved an innovative ex-situ venting process. Air was pulled through soil piles using vacuum blower and routed to an activated carbon absorption system. Cleanup goals were achieved ahead of schedule and after FDEP authorization the clean soil was returned to the original excavation pits.

- **Remedial Construction - Florida**

Project Engineer/Project Manager for over 100 remedial construction projects in Florida. Responsibilities included contract preparation/negotiation, scheduling, field supervision, subcontractor

management, preparation of construction plans, specifications, and health & safety. Work included construction of both soil and groundwater remediation systems for petroleum, hazardous waste, and industrial sites.

Employment History

- 2003 – Present:** **Silver Wolf Consulting and Engineering, Inc.**
Provide industrial hygiene services, asbestos consulting, environmental services and remediation.
- 2004-2006** **Professional Engineer, EDS, Ocala, Florida.** Design and operation of wash water recycle systems for golf courses, car washes, food manufacturing plants, and auto parts recycling. Processes included biological submerged fixed film and trickling filters, aeration, clarification, ozonation, filtration, and coagulation.
- 1994-1998** **Regional Engineering and Construction Manager, Handex, Mount Dora, Florida.**
Responsible for engineering, industrial hygiene and construction in six regional offices including staffing, training and policy implementation. Manager of regional waste management department. Regional engineering responsibilities included deliverable QA/QC, technical consulting, and project economic analysis. Handled multimillion-dollar projects and contract negotiations. Prepared and reviewed certified engineering design documents and construction plans and specifications. Prepared health and safety plans and conducted safety meetings. Responsible for regional waste tracking, transportation and disposal. Performed air sampling and industrial hygiene services.
- 1996-1998** **Manager, Engineering and Hydrogeology, Florida Groundwater Services, Inc., Tampa, Florida.**
Profit and Loss responsibility for two million dollar environmental consulting division, which provided environmental and civil engineering. Managed a diverse staff of engineers, geologists, technicians, graphics and administrative staff. Managed large and complex assessment and remediation projects. Technical responsibilities included preparation of engineering design documents, air quality sampling, ventilation system analysis and design, health and safety plan preparation, and hazardous waste management.
- 1990-1994** **Vice President, Engineering, Tower Environmental, Inc., Florida**
Responsible for startup of engineering and construction divisions. Hired, trained and directed 20 engineers, technicians, graphics and administrative staff in engineering and environmental project management and technical support. Developed procedures and protocols for engineering design, and construction. Designed and implemented project tracking and scheduling system that significantly improved workflow and revenues.
- 1987-1990** **Engineering Department Manager, Delta Environmental Consultants, Inc., Tampa, Florida.**
Responsible for developing a new engineering division. Grew division to 20 engineers involved in civil and environmental consulting. Developed and implemented company wide standard operating procedures for design and construction engineering. Member of corporate technical consulting group. Designed and managed groundwater and wastewater treatment systems involving activated carbon, air stripping, ozonation, oil/water

separation, gravity settling, ultrafiltration, reverse osmosis, chemical oxidation and filtration. Conducted indoor air quality sampling, industrial audits and hazardous waste management.

1984-1987

Project Engineer, J and A Associates, Inc., Golden, Colorado.

Provided engineering support for multi million dollar wet oxidation pilot plant. Designed and operated bench scale bioreactors to assess treatability of complex waste streams. Operated pilot plant to analyze treatability of solvents and heavy metals in groundwater. Technologies included air stripping, ultrafiltration, activated carbon adsorption, and chemical precipitation/ filtration.