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STEVEN E. NEPERUD

130 Hinton Avenue
Knoxville, Tennessee 37917 (865) 776-3008

EDUCATION: M.S., Water Resources Development/Environmental Engineering, University of Tennessee, 1978
B.S., Environmental Health, University of Tennessee, 1975
Fundamentals of Groundwater Protection, Geraghty & Miller Engineers, Inc., 1983
Stormwater Management for Engineers and Planners, Georgia Tech, 1985
Hazardous Waste Remediation and Emergency Response, Roane State Community College, 1989
Environmental Regulations (RCRA/CERCLA/SARA), Roane State Community College, 1990
UST Management and Risk Reduction, Roane State Community College, 1990
Environmental Regulatory Overview, Hazmat Environmental Group, 1991
Hazardous Waste Management/RCRA Compliance, Hazmat Environmental Group, 1992
U.S. Army Corps of Engineers Quality Assurance/Quality Control Course for Contractors, 1995
Reason/ Root Cause Analysis- British Nuclear Fuels Inc. 2003

PROFESSIONAL EXPERIENCE:

2010 to Present **Energx, LLC**
Waste Certification Program

Waste Certification program development for a large-scale Decontamination and Decommissioning project for the Argonne National Laboratory in Chicago, Illinois. Project includes development and implementation of a waste certification program for Low-Level radioactive waste to be shipped to the Nevada Test Site for disposal. Specific activities include development of all program documents and operations clearance for acceptance of the Argonne laboratory D&D waste in accordance with the Nevada Test Site Waste Acceptance Criteria.

2005 to 2008 **UNIVERSITY of TENNESSEE -THOMPSON/BOLING ARENA**
Arena Management Office

General assistance to the Arena Manager for all preparations and maintenance of a 22,000 seat arena and assembly center. Duties included preparations for all activities associated with men's and women's basketball games, concerts, trade shows, and conventions. Activities included all preventive maintenance, game -time requirements, and all show and concert logistical issues.

2004 to 2005 **SPECTRUM, INC., OAK RIDGE, TENNESSEE**
Project Development

Business development and technical support for various projects for the Department of Energy, Department of Defense, and the Tennessee Valley Authority. These projects support the audits for instrumentation support , environmental compliance, and waste management.

1999 to 2003 **BNFL Inc., OAK RIDGE, TENNESSEE**
Environmental Engineer, Compliance Support Division

General environmental compliance oversight for a multi-million dollar former DOE nuclear facility decontamination and decommissioning project at the East Tennessee Technology Park (ETTP) located in Oak Ridge, Tennessee. Specific functions included serving as Waste Certification Official (WCO) for all activities relating to shipments of classified material and low-level waste to DOE's Nevada Test Site (NTS) for disposal. Also responsible for regulatory compliance coordination for other solid waste disposal activities, including asbestos and PCB wastes, at other government and commercial hazardous waste disposal facilities. Oversight of regulatory compliance activities for various radiological and non-radiological air emissions and wastewater discharges. Coordinator for BNFL's annual reporting under EPA's NESHAPs and EPCRA programs. Additional duties include business development for long-term future projects in both government and private sectors.

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1996 - 1999 **CONSOLIDATED ECOSYSTEMS, INCORPORATED; KNOXVILLE, TENNESSEE**
Operations Manager

Responsible for day-to-day operations and all technical and administrative duties for the Con-Eco office established in Knoxville in 1996 to serve several large segments of the southeast. Specific responsibilities included: (1) general business development in the environmental remedial action markets in both the government and private sectors; (2) preparation/coordination of technical proposals, cost estimates, and bid specifications for targeted remedial action projects; (3) health, safety, and quality assurance oversight for all remedial action contracts awarded to Con-Eco in the Knoxville Office's business area; and (4) overall project management responsibilities for selected remedial action projects.

1992 - 1996 **FERGUSON HARBOUR INCORPORATED (FHI); OAK RIDGE, TENNESSEE**
Branch Office Manager/Regional Business Development Manager/Government Program Manager

Responsible for all technical and administrative management activities for FHI's remedial action and emergency response projects assigned to the Oak Ridge Regional Office. In addition, served as FHI's corporate business development manager for the natural gas pipeline industry market and for all federal and state government environmental restoration project opportunities. Business development assignments involved establishing initial client contacts with numerous state and federal government agencies and private sector corporations, developing bid opportunities for specific projects, coordinating the preparation of cost estimates for competitive bids, and managing proposal preparation activities for more extensive projects

FHI Government Program Manager responsibilities includes acting as official FHI corporate liaison to government agencies and to representatives of government operations contractors to implement subcontract teaming programs in an effort to expand FHI's emergency response, industrial maintenance, and remedial action construction capabilities to the federal and state government sectors, principally to the Departments of Defense, Energy, and Interior; and the Tennessee Department of Environment and Conservation (TDEC).

1990 - 1992 **TENNECO GAS; KNOXVILLE, TENNESSEE**
Environmental Supervisor

Management and administration responsibility for all environmental compliance activities for the East Tennessee Natural Gas Company, a regional subdivision of Tenneco Gas. Specific responsibilities included complex regulatory compliance planning and negotiations within RCRA, CERCLA/SARA, and the federal Clean Air and Clean Water Acts; and follow-on comprehensive management responsibility for all environmental restoration projects. Other corporate duties include complete management responsibility for all general systems operations programs specifically undertaken to comply with regulations pursuant to RCRA, CERCLA, TSCA, Tennessee's Underground and Above-ground Storage Tank (UST/AST) regulatory programs, the Tennessee National Pollutant Discharge Elimination System (NPDES), Tennessee's air emissions permitting programs (including Title V permitting), and compliance with state and federal occupational health and safety requirements.

1989 - 1990 **PAI CORPORATION; OAK RIDGE, TENNESSEE**
Chief Environmental Engineer/Deputy Program Manager

Served as Assistant Program Manager for PAI's contracts for Environmental, Health and Safety, and Quality Assurance technical and administrative support to the Department of Energy in Oak Ridge (ORO), San Francisco (SAN), Las Vegas (NV) and elsewhere. Responsibility for technical and administrative management of multiple task assignments for health, safety, environment, quality assurance, database management, and general engineering support services under several major PAI contracts with the Department of Energy, DOE's principal operations contractors, and Department of Defense agencies. As PAI's Chief Environmental Engineer, backed up the principal ESH&QA program manager for technical supervisory responsibility for up to 40 full-time and part-time technical associates. In addition to the contract program management functions, also served as project manager for numerous specific tasks assigned by DOE in their environmental, safety and health, quality assurance, and health physics program areas.

Examples include:

- (1) Environmental, health physics, and multi functional ESH&QA compliance and management

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- appraisals of DOE's operations contractors,
- (2) Development of management and technical oversight (appraisal) programs,
- (3) preparation of environmental, safety and health, and quality assurance program documentation for DOE contractors,
- (4) Preparation of site environmental monitoring program plans for DOE contractors,
- (5) Preparation of site Spill Prevention, Control and Countermeasures (SPCC) plans,
- (6) Numerous technical reviews of various types of environmental protection documents (EISs, EAs, RI/FSs, RFIs, NPDES permit applications, etc).
- (7) Development of operational compliance strategies for underground storage tank systems.
- (8) Comprehensive compliance reviews at DOE SAN facilities to confirm compliance with the RCRA Land Disposal Restriction (LDR) regulations.

1987 - 1989 **METROPOLITAN KNOX SOLID WASTE AUTHORITY; KNOXVILLE, TN**
Project Manager

Organized the initial formation of the Solid Waste Authority and formed the project team; had primary responsibility for all financial matters relating to consultants and all Authority personnel, including overall project budget control. Directed all solid waste management programs for the Authority. Had specific management responsibility for the development of a proposed 900 ton-per-day waste-to-energy regional incinerator facility to be located in Knoxville. Worked with design and other technical consultants on every phase of the planning and implementation of the regional incinerator project. Acted as the principal communications liaison between Board of Directors and all consultants, and acted as the official technical spokesman for the Authority to city and county government personnel. Also acted as expeditor and troubleshooter in areas relating to work performed by consultants and for all interactions with environmental regulatory agencies and members of the general public.

1980 - 1987 **KNOX COUNTY, TENNESSEE**
Director, Wastewater and Solid Waste Division

Directed all water quality control, wastewater discharge, and solid waste disposal compliance activities for the county. Coordinated communications with other county agencies and state regulators on sediment control regulations, erosion control, air emissions, odor and vector control, noise, and other environmental and health and safety issues. Planned, organized and directed the professional, administrative and technical activities of the water, wastewater, and solid waste program staff. Formulated the initial water, wastewater, and solid waste administrative policies for the county. Directed the development, justification, and presentation of the annual program budget to the elected county administrators. Directed the environmental sanitation facilities operated by county personnel or under contract to professional operators. Consulted and advised the Metropolitan Planning Commission on matters of environmental sanitation within the county. Evaluated the effectiveness of the county's water, wastewater and solid waste administrative control programs, directed the preparation of numerous administrative and special reports, and monitored county compliance with all applicable state and federal pollution control regulations and water quality standards.

1979 - 1980 **THE CARBORUNDUM COMPANY; KNOXVILLE, TENNESSEE**
Environmental Engineer, Environmental Systems Division

Conducted site surveys of erected and installed equipment. Oriented operating and customer maintenance personnel on preventive maintenance and operating instructions. Made recommendations for formal operations and maintenance procedures and provided technical feedback on troubleshooting activities. Conducted pollution control systems tests for water quality parameters. Reported on construction services, field problems, and on equipment performance issues. Provided liaison, operations instructions, and documentation of performance during equipment start-up phase. Provided on-site technical surveys, maintenance recommendations, and troubleshooting services in support of various Division equipment operations and ancillary installations. Furnished documentation of quantitative test results of equipment capacities in relation to functional objectives.

1977 - 1978 **UNIVERSITY OF TENNESSEE, WATER RESOURCES RESEARCH CENTER,**
KNOXVILLE, TENNESSEE
Environmental Engineering Graduate Research Assistant

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Conducted research on water quality of the Fort Loudon reservoir at Knoxville, Tennessee. Duties involved manual sampling, hydrography and laboratory analysis, operation and maintenance of remote water quality monitors, and data assimilation and analysis. Developed procedures and methodology for a comprehensive stormwater runoff study at several flood-prone sites in Knoxville, Tennessee. This research was funded by the Department of Interior's Office of Water Research and Technology.

PROFESSIONAL: American Gas Association - Environmental Affairs Council
Government Refuse Collection and Disposal Association (GRCDA) - International Board

PUBLICATIONS: The Effects of Clearcutting on the Hydrology of Forested Watersheds (Masters Thesis)