

## **EAM Environmental 7 Analytical Management, Inc.**

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### **Resume of Sven R. Pavlovics**

#### **SYPNOSIS**

Sven R. Pavlovics, R.E.M. has accumulated over 25 years of experience in the environmental and analytical sciences. Mr. Pavlovics provide environmental chemistry expertise and analytical services to numerous applications throughout his career. He designed, operated and managed environmental analytical and microbiological laboratories and systems. He both fixed-base and mobile, for the analysis of herbicides, pesticides, volatile organics, metals and inorganic. He designed and operated analytical systems monitoring ground and surface water quality u and conduced numerous geochemical studies He has designed and operated water treatment systems, chemical feed systems, remote sampling systems and remote analytical systems and laboratories for environmental applications His goals have always been rooted in understanding the true interpretation and limitation on environmental sampling and analysis systems. His experience ranged from conducting and managing industrial hygiene surveys and unknown chemical mixture compatibility testing to contamination assessments and was water treatment of most major groups of contaminants. Mr. Pavlovics has developed through the years into project manager managing environmental compliance industrial/governmental clients and real estate transactions totaling more than \$1 million gross revenues per year. He has managed engineers, geologist, biologists, microbiologists, chemists and technicians while responsible for managing growth, creating backlogs and improving P/L statements. He designs and implements marketing programs believed in teamwork and perpetually demonstrates team-building skills. Mr. Pavlovics served as projects manager and senior scientist conducting assessments, air/soil and groundwater quality studies, remedial treatability studies, remediation system monitoring, analytical system design and Operation. Mr. Pavlovics conducted projects ranging from waste chemical characterization, drum inventory and disposal, waste classification, environmental auditing, industrial hygiene surveys, indoor air quality assessments, risk assessments and intrinsic bioremediation studies to industrial fuel distribution system management, health and safety training, HAZWOPER training and administrative hearing technical advisor. As group manager, Mr. Pavlovics integrated a variety of professional resources to provide expertise to the group in continuously providing cost effective, up to date solutions for the environmental projects.

Mr. Pavlovics provided consulting expertise to a non0for0profit origination for the implantation of a water quality monitoring and analysis laboratory in Latvia. Mr. Pavlicis assessed finding sources for the project and implemented the project through the Latvian Environmental Ministry. Mr. Palvlivis participated in a team funded by USAID and managed by CH2Mhill-Inernational to conduct a technical evaluation of Moldova's agricultural deployment. Mr. Pavlovics

conducted lectures and laboratory inspection to assess Moldova's environmental analytical laboratory capabilities.

#### **REGISTRATIONS AND AFFILIATIONS**

- National Registry of Environmental Professional
- American Chemical Society
- American Society for Microbiology
- OSHA - 40-hour training
- EPA Emergency Response Contract Training
- OSHA-8 hour supervisory training
- Fraternitas Livonica

#### **EDUCATION**

- Graduate studies towards MS/Environmental Engineering/Geology (groundwater modeling), Florida Atlantic University.
- Graduate Studies towards MS Chemistry, University of Illinois in Chicago,
- BS/Chemistry, University of Illinois in Chicago
- Undergraduate Studies in Engineering, Wright College,
- Undergraduate Studies in microbiology, William Rainey Junior Harper College,
- Clean Air Act Amendments, 1990, University of Florida, TREEO
- ISO 14000 ANSI.ASTM Seminar,
- Fluent in English, German and Latvian Languages,
- Seminars on capillary chromatography presented by Dr, Friedman,
- Consulting Liability Training
- Management Information Systems Training,
- Shipley Proposal Development Training,
- Shipley Proposal Development Training,
- Contract Administration Training
- Leadership Seminars (Peters, Covey, etc.)
- Negotational Skills I and II
- Technical Writing Skills I and II
- GTGS and GT Log Training
- CPR/First Aid

#### **TECHNICAL EXPERIENCE**

##### **Quality Assurance/Quality Control Management**

Designed, implemented and managed Comprehensive Quality Assurance Plans and Site-specific Quality Assurance Project Plans in accordance with numerous state and deferral agencies. Planned and prepared QA plans for companies and firms conducting environmental investigation and remediation projects under RCRA, CERCLA and State programs. Conducts QA audits and investigations of treatments storage and disposal facilities, analytical laboratories and environmental data packages. QA/QC officer for regional projects and responsible for the QA objectives and goals for all data collection activities. Consulted in the application of the Data Quality Objectives Process for numerous

clients. Designed implemented and managed data collection and management systems and databases. Constructed a document review summary for comment of EPA's interpretation of MCL's for an Industrial Group. Participated in a conducted UIISO 14000 seminars to client how the standards apply to their respective industries. Designed NELAC laboratory QA programs.

#### **Microbiological Laboratory**

Conducted microbiological investigations, air sampling, indoor air quality and ambient sampling and analysis for mold, bacteria, toxicity studies, and bioassay studies. Designed and implemented and EMPAT proficient mold taxonomy laboratory.

#### **Field and Laboratory Environmental Analytical Chemistry**

Designed, implemented and managed several environmental analytical systems and laboratories, both fixed-base and mobile, for the analysis of metals, PCS's, mercury, nutrients, inorganic, solvents, petroleum constituents and dioxins in solid, semi-solid, gaseous and aqueous matrices, as appropriate. Conducted field investigations using spectrophotometers, gas chromatographs, atomic absorption spectrometry, wet chemistry and X-Ray fluorescence spectrophotometers in accordance with USEPA accepted methodologies. He is skilled in the use of numerous varieties of portable and laboratory analyzers and instruments. He provided environmental chemistry consulting expertise for NPDES permits, soil characterization and classification, transportation and disposal, soil gas sampling and air sampling analysis projects. Deigned, implemented and managed environmental analytical laboratories including the hiring of stag and managing all aspects of laboratory operations and responsible for P.L. Mr. Pavlovics conducted laboratory audits and analytical laboratory operations to determine capabilities, QA/QC procedures/methods and experience of staff. He designed and implemented business plans for marketing, contracting and sales of analytical services.

Mr. Pavlovics designed implanted and manages an indoor air quality laboratory conducting microbial and chemical analysis of air samples. The laboratory participates in the American Industrial Hygiene Association's Environmental Microbiology Proficiency Analytical Testing program and exceeds AIHA's proficiency requirements.

Mr. Pavlovics experience includes hazardous wastewater and groundwater treatment systems operations; optimization and troubleshooting utilizing large scale carbon adsorption, air stripping clarification, flocculation, sedimentation precipitation, multi-media filtration and ion-exchange resin technologies.

#### **Chemical Hazard Assessments, Risk Assessments, Intrinsic Bioremediation Studies and Satirical Analyses**

Directed and managed multi-faceted sampling and analysis programs for several different compounds, biota and matrices for the determination of contaminants, contaminant extent, environmental risk, cleanup criteria and industrial hygiene studies. Managed technical phases of several Superfund projects, including large abandoned manufacturing facility decontamination and deactivation that included soil and liquid waters characterization, treatment or disposal. Mr. Pavlovics contaminant assessment and remediation experience includes PCS's

mercury, heavy metals, acids and caustic plating solutions, acid contaminated soils herbicides and pesticides, petroleum based compounds and solvents in solids, groundwater and air matrices. He applied the PBCA process (ASTM Emergency Standard Guide for Risk-Based Corrective Action at Petroleum Release Sites (ES 98-94) at several sites throughout the United States. Mr. Pavlovics designed, implemented and managed several intrinsic bioremediation data collection projects for petroleum and chlorinated solvent contaminated sites. Evaluated site data statically to determine the confidence levels associated with stat set. Evaluated background concentrations and how they apply to special site data. Conducted mixing zone calculations for groundwater/surface water interfaces.

#### **ERCS/CERCLA/RCRA Experience**

Mr. Pavlovics served as senior field chemist and hazardous materials specialist on numerous USEPA Emergency Response Contract Services projects. These projects included hydrofluoric, hydrochloric and sulfuric acid releases, sodium hydroxide and peroxide releases, boron trifluoride tank leaks, mercury releases, abandoned plating facility assessments, pesticide and herbicide releases and several PCB releases. Mr. Pavlovics has conducted environmental chemical assessments using gas chromatographs and USEPA methodologies, atomic absorption spectrophotometers mass spectrometers and several wet chemistry techniques.

#### **Health and Safety, Industrial Hygiene, Indoor Air Quality**

Mr. Pavlovics developed and implemented health and safety program for an office of 50 environmental professionals. HE has completed health and safety training for USEPA ERCS projects. Mr. Pavlovics, serving as field chemist, was responsible for health and safety, and toxicological evaluations and subsequent health and safety level and equipment specifications at numerous hazardous chemical contamination assessment and remediation projects. He has conducted industrial hygiene studies in hospitals and industrial facilities, designing and implementing indoor air quality chemical and microbiological assessments. He has participated in OSHA inspections and past responsibilities included OSHA compliance pertaining to a variety of industrial preparations Conducted RCRA HAZWOPER and Right-to-Know training at large agricultural. Industrial corporations (4000 employees). He prepared 40-hour hazardous waste operation course annuals and conducted 40-hour training sessions.

#### **Project Management, Division and Program Management**

Mr. Pavlovics provided technical assistance to project managers conducting petroleum contamination assessments and remediation projects. His responsibilities included: sampling plan design, monitoring well location determinations (grid, statistic, confidence). Sampling methods and training, sampling equipment decontamination, QA/QC, data interpretation, remedial feasibility evaluations, air stripper tower design, health and safety protocols.

Mr. Pavlovics responsibilities as project manager included: marketing, client management, sale proposal development, budget strategy, contracting, scheduling, designing and conducting technical scope of work, data validation, data validation, data interpretation and reporting, invoicing and accounts receivable. Mr. Pavlovics' annual

management budget exceeded \$1 million. His approach to project/client management was to assimilate to each project the most technically competent and economical team of civil, chemical and environmental engineers, geologists, chemists, microbiologists, hydro geologists, certified industrial hygienists and professional from academia.

Mr. Pavlovics teamed with clients in developing environmental compliance strategies and programs. He managed numerous LUST sites and developed a 3-year management strategy to eliminate all LUST's. Mr. Pavlovics proceeded to implement and complete the program, which was completed 30% under budget. Phases that were studied included budgets, technical approach to environmental non-compliance issues, economical risk over time vs. environmental risk and quarterly environmental technical and financial reports to management.

Mr. Pavlovics was responsible for the hiring and management of a team of professional engineers, geologists, biologists, chemists and microbiologists to conduct environmental consulting services. His responsibilities included proposal development, applied rates, project plan development, project scheduling and staffing, sub-contracting, health and safety, QA/QC, technical approach, permitting, client development and training seminars. His team conducted over \$2 million of environmental consulting services.