

Mr. Harold (Ed) E. von Dran Jr.

Registered Professional Environmental Engineer / #92737 / Texas, 2003

Certified Energy Manager / 19647 / 2012

PROFESSIONAL EXPERIENCE SUMMARY:

Over 39 years of experience in Environmental & Mechanical Engineering, Project Management, Government Acquisitions and Electronic System repair. Mr. von Dran has extensive Program / Project Management experience in all facets of the environmental studies, remedial design, cleanup and regulatory compliance. His experience includes mechanical engineering, Industrial Hygiene, and Occupational Health & Safety. Project Management skills include Project Planning, Contract Administration, Statement of Work writing, Cost Estimating, Proposal Preparation & Evaluation, Negotiations and Environmental Document Writing & Review. Project Engineer, Data and Configuration Control Manager for projects ranging in size up to \$500 million. Experienced with regulatory agencies in Federal, State, County and City Governments. Mr. von Dran is recognized as an expert by the TX Railroad Commission and in US Circuit Court.

Expert Witness

Beginning in 2007, Mr. von Dran has represented clients before the TX Railroad Commission and Circuit courts. Experience includes both written and oral representations before administrative judges in numerous cases. Cases include noise pollution, environmental contamination from runoff, environmental trespass and facility design and condition assessment.

August 2005 – Present – Alpha Terra Engineering, Inc.

Mr. von Dran is the president and chief engineer of a service disabled veteran owned small business focused on environmental support to the Department of Defense, Veteran's Administration, and public & private sector clients. ATEI has conducted work in 8 countries and 38 states providing critical infrastructure assessment of more than 20,000 military housing and dormitory units.

Mr. von Dran has prepared more than 1000 Spill Prevention Control and Countermeasure plans, Environmental Assessments, Stormwater Pollution Prevention Plans, for oil and gas production and saltwater disposal units. Additionally, Mr. von Dran has completed Naturally Occurring Radiological Material, sound and environmental studies, various permits and OSHA health and safety inspections for energy industry facilities.

Mr. von Dran has designed several natural gas fueling stations, saltwater disposal surface facilities, and several civil engineering projects for San Antonio City Public Service.

Currently, Mr. von Dran is engaged in the design of an Oncology treatment center, expansion of the Emergency Department, construction of offices, replacement of air handlers, and renovation of several streets, parking lots, and utilities.

February 2003 – December 2004 - MACTEC Engineering and Consulting, San Antonio, TX. Mr. von Dran was the deputy Program Manager for Operations of the MACTEC 4P+

AFCEE contract and the Lackland AFB A&E design contracts. As the deputy, Mr. von Dran oversaw the day-to-day operations of these contracts, guided other Project Managers (PM) in Air Force PM methodologies, procedures, and managed projects under both contracts. Mr. von Dran directed performance and contractual compliance on Task Orders valued at over \$17 million. In support of the Lackland AFB design contract, Mr. von Dran was responsible for overall performance of 20 Delivery Orders valued at \$2.5million. In addition to the two primary responsibilities, Mr. von Dran conducts Phase I & II environmental site assessments and supports the Texas Commission for Environmental Quality.

December 2001 – January 2003 - SpecPro, San Antonio, TX -

Mr. von Dran was the Program Manager for the Life Support Ensemble integration and testing program for the F-22 Raptor program. He was responsible for the testing and evaluation of the modified Air Crew Ensemble used by F-15 & F16 flight crews. Mr. von Dran was also charged with developing business opportunities for the SpecPro environmental operations division in the San Antonio area. Mr. von Dran was the Program Manager and senior technical reviewer and team leader for the development of an Air Force Technical Order for the new Air Force Life preserver Unit (LPU-38)

WPI PROJECT EXPERIENCE:

Air Force Center for Environmental Excellence: General Systems Engineering and Integration (GSE&I) Support, Engineer. November 1999 to November 2002. Mr. von Dran provided technical services, which includes system design evaluations, cost projections and schedule and logistics evaluation.

2002 - Camp Stanley – Mr. von Dran was given the task to evaluate and update the comprehensive program schedules and cost estimates for all 76 active environmental sites. This project required Mr. von Dran to rework an intricate compliance plan schedule to comply with RCRA 3008H order and to develop detailed cost estimates to support the schedules. All 76 cost estimates and an intricate 500 line integrated master schedule in less than eight weeks.

2001 - Kelly USA, Air Force Base Conversion Agency – Mr. von Dran was temporarily assigned to the former Kelly AFB (now known as Port San Antonio) to optimize the utilization of the GSA contract for the company. Additionally, Mr. von Dran was charged with the oversight and management of the soil disposal contract between the Air Force and the Port oversight contractor, EG&G. Mr. von Dran developed a master schedule concept, which incorporates the entire base cleanup program. This master schedule process is recognized as setting a new standard in performance tracking.

1999 – Conceptual Design - Mr. von Dran completed a conceptual design scheme for the cleanup of off-base contamination over an eight (8) square mile area.

2000 – 2001 - Program Execution Support for McClellan AFB, CA. Mr. von Dran was the subject matter expert charged with development of 15 scopes of work to support the McClellan AFB environmental program. Additionally, Mr. von Dran trained four WPI staff members in the correct methods for preparing AFCEE Statements of work.

2000 - Acquisition Support for AFCEE EMCOS Contract. This project involved participation as an Air Force acquisition team member. Mr. von Dran assisted in the development of the Statement of Work, industry research and feedback, proposal instructions,

and development of evaluation criteria (sections L & M). Mr. von Dran led a multi-disciplined team of senior WPI staff to evaluate the proposed sample task.

2000 – Program Execution Support for Griffiss AFB, NY. Mr. von Dran was tasked with costing and programming support for the closure program at the former Griffiss AFB, NY. This project involved development of numerous scopes of work and associated cost estimates.

2000 – Program Planning Support. Mr. von Dran was tasked with evaluation of the final groundwater remedy for the former Plattsburg AFB, NY. The task involved evaluation of the chosen cleanup scheme and development of a cost model to support solicitation and execution of the cleanup

OTHER RELEVANT EXPERIENCE:

November 1996 to November 1999. President. Bull’s Eye Enterprises, Inc., San Antonio, Texas. Mr. von Dran founded a small environmental assessment firm upon retirement from the Air Force. Responsibilities included business development, fieldwork, report preparation and presentation, as well as financial responsibilities for the business. Project experience included Phase I Environmental Site Assessments, phase II Site Assessments, and Geophysical Site Assessments.

July – September 1998 - Geophysical Assessment at March AFB, CA. Mr. von Dran was the principal investigator for a 12-acre geophysical survey to locate the source of a sewer leak. Raw sewage was reported in an environmental groundwater recovery system and was further contaminating the shallow aquifer. The result of the survey located two forced main sewer lines and numerous potential breaks in the clay and asbestos cementitious pipe. Additionally, the survey located fiber optic, gas lines, and several unmarked utilities in the survey area.

August 1999 Geophysical Assessment of Laughlin AFB TX. Mr. von Dran was contracted to survey four primary locations and to mark all found utilities. Mr. von Dran used a multi-frequency electromagnetic profiler to clear the utilities. Several unknown / unmapped subsurface features were located, including an unmarked fuel hydrant line in the Petroleum Oil and Lubricants storage yard. Base and project personnel lauded this project as the largest drilling effort at Laughlin without a single utility strike ever.

July 1996 – November 1999. Phase I Environmental Site Assessments. During this time Mr. von Dran conducted over two dozen phase I ASTM compliant ESAs. Sites ranged from postage stamp size lots to a 200 acre ranch. The outcome of the survey yielded a wetlands survey, a cultural resources assessment, and an Environmental Assessment of the military installation. Additional surveys involved siting analysis for telephone repeater towers, former gas station sites, and development of a housing subdivision.

February 1999 – August 1999 Soil Remediation. Mr. von Dran managed a \$2.5 million soil remediation project at the former England AFB in central Louisiana. He was the principal author for the work plan, quality assurance project plan, and health and safety plans. The scope of the project involved cleaning up contaminated soil along the route of the fuel hydrant distribution system.

January – March 1997 – Geophysical Assessment of a major oil refinery in Port Arthur Texas. This project consisted of a 30-acre geophysical survey of a refinery perimeter. Six

discrete areas comprising approximately 10 % of the perimeter of the refinery were studied using a high-powered single frequency geophysical tool. A survey grid was placed through rough brush and tidal marshlands. Measurements were taken to facilitate a subsurface resistivity map of the area. Mr. von Dran used the Surfer modeling program to analyze survey results. Survey results indicated numerous locations with increased conductivity indicative of potential contamination.

February 1994 to November 1996. Team Leader and Project Manager. Directorate of Environmental Management, Kelly AFB, Texas. Responsible for the development and execution of five environmental services contracts with an aggregate value of \$75 million. Project Manager for the Long Term Operations and Monitoring Program. RCRA Compliance Program Manager responsible for annual site characterization. Developed a comprehensive Basewide Remedial Assessment and worked as part of the team charged with negotiation of the Compliance Plan. Supervised a diverse team of engineers, physical scientists and field technicians.

February 1994 to November 1996. Basewide Remedial Assessment. Directorate of Environmental Management, Kelly AFB, Texas. This project involved RCRA compliance sampling and CERCLA Long Term Monitoring for the entire base as well as outfall sampling and toxicity testing for Leon Creek. The annual budget ranged from \$2.5 - \$3.9 million. Mr. von Dran was given the task of providing a holistic view of the environmental condition of the 4900+ acre Air Logistics Center. This project encompassed oversight of and environmental contractor and supervision of a five member staff charged with the annual Groundwater and surface water assessment. The well network at Kelly AFB consists of approximately 1100 active monitoring wells and 125 extraction wells dispersed throughout the installation and the surrounding community and covering 52 Installation Restoration Program sites, 60 Petroleum sites, and 11 groundwater extraction and treatment systems for those sites.

February 1994 to November 1996. Long Term Operations. Directorate of Environmental Management, Kelly AFB, Texas. Mr. von Dran was charged with supervision of five field hands and a support contractor to operate and maintain 11- groundwater extraction and treatment systems, four-bioventing sites, a soil vapor extraction site and a free product recovery system. During Mr. von Dran's tenure, he implemented an efficiency- monitoring program, which added flow meters to all systems and individual recovery wells. This information was used to optimize the groundwater model and capture zone models for the remediation systems.

February 1994 to November 1996. Planning and Programming. Directorate of Environmental Management, Kelly AFB, Texas – Mr. von Dran prepared budgetary estimates and programming documents to support the Basewide Remedial Assessment, Long Term Operations and Monitoring, personnel requirements, and various support functions. The total annual budget managed by Mr. von Dran averaged around \$5 million.

February 1994 to November 1996. Acquisition Services. Directorate of Environmental Management, Kelly AFB, Texas – Mr. von Dran prepared Statements of Work, solicitation packages, and conducted 4 primary source selections while at Kelly AFB. Using the acquisition skills developed while in the Defense Logistics Agency, Mr. von Dran prepared three service contract packages for laboratory analysis, drilling, and soil disposal services.

Working closely with the base contracting office, Mr. von Dran conducted the service acquisitions to support a need for specific services which would have been too costly through a general support contractor.

February 1994 to November 1996. Well Drilling Program. Directorate of Environmental Management, Kelly AFB, Texas – Mr. von Dran developed a monitoring well repair, replacement and abandonment program. In conjunction with the Basewide Remedial Assessment and stand-alone drilling contract, Mr. von Dran implemented a monitoring well inspection program and maintenance program. The inspection phase was conducted either during routine water level checks or sampling.

February 1994 to November 1996. Design. Directorate of Environmental Management, Kelly AFB, Texas – Mr. von Dran designed and managed the construction of an additional UV/OX treatment plant, a RCRA compliant soil management facility, a heavy equipment decontamination facility, and an equipment storage yard.

October 1992 to November 1996. Adjunct Environmental Instructor. USAF School of Aerospace

Medicine, Brooks AFB, Texas. January 1992 to January 1994. Project Manager and Section Chief. The Air Force Center of Environmental Excellence, Brooks AFB, Texas.

October 1988 to January 1992. Systems Acquisition Engineer and Program Manager. Defense Plant Representative Office, Tucson, Arizona. Program Manager for the Maverick Missile System, The Rosette Scan Seeker, Angle Rate Bomb Site, HEDI, & LEAP “Star Wars” programs. Support and Systems Safety Engineer for the Phoenix, AMRAAM, & TOW missile systems.

September 1976 to October 1988. Photographic System Repair Technician. Various Audio Visual

Organizations, CONUS & OCONUS.

AFFILIATIONS:

Society of American Military Engineers (SAME) American Society of Mechanical Engineers (ASME) Friends of Scouting

OTHER:

Languages: English, German

Security Clearance: Secret

EDUCATION: (Degree/Specialty/Institution/Year Earned)

M.S. Environmental Science, University of Texas at San Antonio, 2002

B.S., Mechanical Systems Engineering, Wright State University, 1988

A.A., Photographic Systems Technology, Air Force Institute of Technology, 1984

Specialized Training

Certified Facility Manager Training

Nuclear Hazards Training Course

Mold assessor

Air Force Installation Restoration Program Course

8-hour annual HAZWOPER refresher

System Safety Management

Hydrogen Sulfide Safety Training

Independent Government Estimating Process

Office Contract Analyst

Cost Reimbursement Contracting

Principles and Practices of Project Management

Remedial Action Cost Engineering and

Requirements

Hazardous Materials Management Survey
Training Course

USAF Bio Environmental Engineering Course

Adjunct Faculty AF School of Aerospace
Medicine

40 hour HAZWOPER

Optimizing Techniques, Taguchi Methods

8-hour annual HAZWOPER refresher

Edited 08/13/2015

US Air Force Officer Training School

TSCA 8-hour seminar

NASA Specification soldering

RCRA 8-hour Hazardous Waste Training
Program

Energy Manager Training Course

OSHA 8-hour Manager & Supervisor Course