



**James P. Pastorick, CQM**  
**Professional Qualifications**

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Jim Pastorick is an Unexploded Ordnance (UXO) Technician with over eighteen years of active Explosive Ordnance Disposal (EOD) and UXO experience. He has served in various missions as an officer in U.S. armed forces EOD including Officer-in-Charge of an EOD unit deployed in the Mediterranean Sea and tasked with providing emergency EOD response to the Sixth Fleet. Since leaving the military he has continued his EOD activities as Senior UXO Project Manager for UXB International, Inc. and IT Corporation and as President of the specialty UXO consulting companies Geophex UXO, Ltd. and UXO Pro, Inc.

Mr. Pastorick is currently serving on the National Research Council Committee on Disposal of Non-Stockpile Chemical Warfare Material (CWM). This important committee is investigating ways to safely handle and dispose of UXO containing CWM in an efficient manner to allow cost-effective cleanup of non-stockpile CWM burial sites. He is also a member of the ITRC UXO Work Team where he develops and presents UXO training courses and assists in the development of technical guidance documents related to UXO technical issues of interest to state regulators.

**Education**

B.A., Journalism, The University of South Carolina, Columbia, South Carolina; 1980

**Additional Training:**

EOD Technician, U.S. Naval School of EOD, Indian Head, Maryland; 1986

U.S. Navy Diver and Salvage Officer, Naval Diving and Salvage Training Center, Panama City, Florida; 1982

40-Hour OSHA Hazardous Waste Operator Training (with annual refreshers)

8-Hour OSHA Hazardous Waste Supervisor Health and Safety Training

Department of Energy Radiation Worker II

CPR

**Registrations/Certifications**

Certified Surface Blaster, State of Virginia; 1990

EOD Technician, U.S. Navy, 1986

Deep Sea Diver, U.S. Navy, 1982

Certified Quality Manager (CQM) #8236, 2004, American Society for Quality

**Experience and Background**

*1999 - Present*

*President, Geophex UXO, Ltd and UXO Pro, Inc., Alexandria, Virginia*

Mr. Pastorick is President of this UXO consulting company that assists private sector clients and state governments in the planning, management, and quality assurance (QA) of UXO investigation and cleanup projects. Specifically, Mr. Pastorick reviews and develops written comments on MEC-related technical documents, attends technical and public meetings to provide technical support to state regulator Project Managers, and performs site visits to ensure that work is being performed in accordance with the approved work plan.

TEMPLATE = SECY-028

SECY-02

Mr. Pastorick is currently serving as the UXO technical consultant to the State of Alaska Department of Environmental Conservation (ADEC) on the cleanup of the former **U.S. Naval Base on Adak Island**, the former **Fort Glenn on Umnak Island** and the former World War II facility on **Amchitka Island**. Previous projects for ADEC have included the former **Gerstle River Expansion Area**, near Delta Junction, and former Department of Defense facilities on **St. Lawrence Island, Kodiak Island**, and at **Dutch Harbor**. The **Adak UXO cleanup** has recently reached a milestone with the transfer of property from the U.S. Navy to a Native American corporation. This land transfer required the completion and signing of the first Record of Decision (ROD) for a Superfund UXO site.

He is also managing contracts in support of the Environmental Quality Board (EQB) of Puerto Rico on the cleanup of **Vieques Island** and in support of the Arizona Department of Environmental Quality (ADEQ) in support of the investigation and cleanup of **Camp Navajo**. In Puerto Rico Mr. Pastorick is providing technical support to EQB on the cleanup of the former **Vieques Naval Bombing Range and former Naval Ammunition Support Detachment**. These two project sites are currently undergoing remediation by the U.S. Navy and their contractors. Mr. Pastorick provides technical consulting services directed toward achieving an adequate cleanup of the island to permit the planned end use of the property by Puerto Rico and the Municipality of Vieques. In Arizona he is managing a Geophex UXO employee in assisting ADEQ in the oversight of the National Guard and U.S. Army Corps of Engineers (USACOE) cleanup of UXO contaminated areas of **Camp Navajo**.

Mr. Pastorick has recently completed providing UXO technical support to Laing/Village LLC on the cleanup of a portion of the **former Lowry Bombing and Gunnery Range** in Aurora, Colorado. On this project he supervised another Geophex UXO employee in working with the client, the contractor and Colorado State regulators in devising and implementing a UXO removal project which would allow the property to be used for residential development. This work resulted in the successful issuance of a letter from the Colorado State regulators certifying that the work done is adequate for reuse of the property for residential development.

He has also provided extensive UXO technical support to a legal team working for **Panama** to assess the cleanup of UXO in the former **Canal Zone and on San Jose Island**. In Panama Mr. Pastorick provided technical support to lawyers retained by Panama to help them evaluate the condition of property formerly used by the DoD. This evaluation consisted of conventional UXO contamination in the Canal Zone Ranges and chemical weapons contamination on San Jose Island. He investigated and documented the ordnance contamination at both locations and presented the findings to high-ranking delegations from the U.S., Panama, and the United Nations.

UXO Pro has recently begun providing UXO technical support to the Alabama Department of Environmental Management (ADEM) and the Texas Commission on Environmental Quality (TCEQ). Since beginning the ADEM support work in March 2005 Mr. Pastorick has been providing technical consulting to ADEM Project Managers on the base closure and site reuse project at **Fort McClellan**, the active facility MEC cleanup at **Redstone Arsenal**, and on the non-stockpile chemical ordnance live-fire area at the **Camp Sibert Formerly Used Defense Site**. For the Texas state regulators he has provided similar technical consulting services for the **Pantex, Camp Bowie, Camp Swift and Camp Maxey Formerly Used Defense Sites**.

#### **1991 - 1998**

##### ***Senior UXO Project Manager, IT Corporation, Pittsburgh, Pennsylvania***

Responsible for management and supervision of projects concerning investigation and remediation of sites contaminated with explosives and UXO for federal government and industrial clients. Specific experience includes the following:

UXO Technical manager for the base closure environmental restoration of **Fort Ord, California** performed under the USACOE Sacramento District Total Environmental Restoration Contract (TERC). UXO was encountered routinely during the environmental restoration work at Fort Ord and Mr. Pastorick was responsible for ensuring the safe detection, removal and disposal of UXO interfering with the restoration work. UXO was encountered and handled safely during site investigations, fence and pipeline installations,

and landfill excavations. Mr. Pastorick worked closely with USACOE and California Department of Toxic Substances Control (DTSC) as he developed the Fort Ord UXO Program Management Plan and individual Site Specific UXO Plans.

UXO Technical Manager for the environmental restoration field activities performed under the USACOE Southeast Division TERC at **Redstone Arsenal** and **Fort McClellan, Alabama**. This work required the development of an overall UXO Program Plan and Site Specific Plans, including procedures for handling UXO containing CWM, and periodic monitoring of site workers to ensure compliance with the plans. UXO was routinely encountered on these sites during intrusive operations including well drilling, cutting access roads through wooded areas, and while excavating.

UXO Technical Manager during environmental restoration activities on **Wake Island**. This work, performed for the U.S. Navy NAVFAC Pacific Division, required the development of UXO safety plans for the live U.S. and Japanese ordnance expected to be encountered on this World War II battle site. U.S. 5-in. projectiles, U.S. bombs and U.S. anti-aircraft rounds were discovered and marked for later disposal. Mr. Pastorick also developed and supervised a diving plan for the underwater inspection of the **Peacock Point debris pile**. This required planning and implementing the work for a five-person SCUBA team to perform an underwater inspection of the trash pile and to document the inspection with still and video cameras. The documentation of the inspection is being used to determine whether or not the debris pile should be removed as part of the environmental restoration of Wake Island.

UXO Technical Manager for the remediation of various U.S. Army World War II encampments in the vicinity of **Nome, Alaska** for USACOE. This project required developing an overall UXO Safety Plan to allow work to safely be conducted at these remote sites. UXO Specialists were provided, under Mr. Pastorick's supervision, to inspect each site prior to work being performed to determine if UXO was a potential hazard. The UXO Specialists then provided UXO safety support to those sites determined to potentially contain UXO to ensure the safety of the field workers.

Project Manager for the thermal decontamination of an explosively contaminated building and its associated external wastewater sump for USACOE at the **U.S. Army Depot Activity, Umatilla, Oregon**. This former TNT process building had been dismantled and gross decontaminated by water washing. Mr. Pastorick directed a team of UXO Specialists in the restacking and open burning of the building and components in accordance with the Scope of Work requirements. The same team built a remote excavation apparatus, designed by Mr. Pastorick, and used it to remotely excavate the TNT contaminated sludge from the wastewater sump. Approximately 500-lb. of removed explosive sludge was transported to the facility burn area and burned. The contaminated sump was then loaded with charcoal and an air injection system, designed by Mr. Pastorick, and in accordance with the Scope of Work requirements, and was burned to decontaminate it for removal and disposal.

Project Manager and onsite supervisor of the geophysical site survey and the removal and disposal of landmines at the USACOE **Fort Belvoir Engineer Proving Ground, Virginia**.

Project Manager for the base closure UXO survey of **Fort George G. Meade, Maryland**. Duties included the development of all project plans and coordinating the survey, location, removal, and disposal of UXO from 1,400 acres of this former tank training area in support of the DOD Base Closure and Realignment Program. Mr. Pastorick supervised all phases of this large UXO remediation project including site mapping using Global Positioning System (GPS) interfaced with Autocad and a computerized database.

Project Manager for the UXO survey of a 50-acre area of the former **Fort Sheridan, Illinois** in support of the USACOE under the DoD Base Realignment and Closure Program.

Project Manager for the explosives investigation at the former **Chemical Insecticide Corporation in Edison, New Jersey**. This USACOE project required development of field sampling and analysis methods to identify buried deposits of black powder, which had previously caused two accidental detonations during drilling by another contractor. The sampling and analysis methods developed by Mr.

Pastorick were successfully implemented and the construction of a landfill cap and venting system were successfully completed.

UXO Technical Manager for the UXO removal and disposal of a surface-dumping site at the **U.S. Naval Weapons Station, Yorktown, Virginia**. This site was used for the disposal of mixed scrap and UXO and over 4,300 UXO, including 743 large naval mines, were recovered and disposed of.

UXO Technical Manager for the UXO removal and disposal of six surface disposal pits at the **U.S. Department of Energy's (DOE) Tonopah Test Range in Nevada**. UXO and debris were removed and disposed of from the six pits. UXO including more than 20,700 antipersonnel bomblets, 2,000-lb., 1,000-lb., and 500-lb. bombs, large artillery projectiles, and missile components were disposed of by detonation or explosive cutting. Demilitarized UXO and large amounts of decontaminated scrap were sold by the DOE to a local scrap dealer for recycling.

#### ***1989 - 1991***

##### ***Senior UXO Project Manager, UXB International, Inc., Chantilly, VA***

Responsible for management and supervision of UXO and explosive-related projects for prime contractors working under U.S. Department of Defense (DOD) contracts. Specific project experience includes the following:

Managing USACOE explosive waste and UXO remediation projects at the **former Naval Ammunition Depot, Hastings, Nebraska** and the **former Temecula Practice Bombing Range, Orange County, California**. Specific duties performed include conducting site visits, project cost estimating and accounting, work plan and safety plan development, monitoring field activities to ensure compliance with requirements, and development of project final reports.

Managing investigations to determine the amount and type of UXO contamination remaining at the USACOE projects at the **former Kingsbury Ordnance Plant, LaPorte, Indiana**; the **former Pantex Ammunition Plant, Amarillo, Texas**; and the **former Sioux Ammunition Depot, Sidney, Nebraska**.

Managing UXO site clearance and safety escort services during soil sampling and well drilling operations at USACOE UXO projects at **Umatilla Army Depot Activity, Oregon**; **Fort Sheridan, Illinois**; **Savanna Army Depot Activity, Illinois**; **Milan Army Ammunition Plant, Tennessee**; **Cornhusker Army Ammunition Plant, Nebraska**; **Fort Jackson, South Carolina**; and **Sierra Army Depot, California**.

Managing and supervising field operations on USACOE projects involving hazardous and toxic materials and requiring Level "B" personal protective equipment including the decanting and removal of explosive Lead Azide Sludge from 55 gallon storage drums at the **Savanna Army Depot Activity, Illinois** and testing for toxic military chemical agents at **Umatilla Army Depot Activity, Oregon**; **Aberdeen Proving Ground, Maryland**, and **Fort Sheridan, Illinois**.

Conducting an underwater live firing range clearance at **Tuno Knob, Denmark**. Mr. Pastorick provided planning, management, and supervision of eight UXO Specialist/Divers performing the location, identification, and disposal of UXO at this former target area. The removal and disposal of over 500 UXO and the removal and salvaging of two former Danish Navy warships that were used as targets was accomplished.

#### ***1981 - 1989***

##### ***Naval Officer and EOD Technician/Diver, U.S. Navy, Various Commands***

Responsibilities and achievements include managing, directing and supervising personnel assigned to a variety of units from five-person EOD teams to fifty-person shipboard divisions, and maintaining all equipment assigned including specialized EOD tools and diving life-support systems. Completed two Western Pacific deployments and one Mediterranean deployment as Diving Officer and EOD Team Officer-In-Charge. Conducted frequent EOD training and operational deployments, and advanced to final

rank of Lieutenant Commander.

**1978 - 1981**

***Photojournalist, The Columbia Record, Columbia, South Carolina***

Responsibilities and achievements include reporting on news, sports, and feature stories for a daily newspaper using photographs supplemented by written articles. 1980 South Carolina Photojournalist of the Year. Developed exceptional writing skills under deadline pressure.

**1972 - 1976**

***Enlisted Service, U.S. Navy Seabees, Various Commands.***

**Publications**

Carberry, John B. et. al., 2004, *Assessment of the Army Plan for the Pine Bluff Non-Stockpile Facility*, National Research Council Board on Army Science and Technology, National Academy Press, Washington, DC.

Carberry, John B. et. al., 2002, *Systems and Technologies for the Treatment of Non-Stockpile Chemical Warfare Materiel*, National Research Council Board on Army Science and Technology, National Academy Press, Washington, DC.

Carberry, John B. et. al., 2001, *Disposal of Neutralent Wastes*, National Research Council Board on Army Science and Technology, National Academy Press, Washington, DC.

Carberry, John B. et. al., 1991, *Disposal of Chemical Agent Identification Sets*, National Research Council Board on Army Science and Technology, National Academy Press, Washington, DC.

Pastorick, J. P., 1994, "Ordnance, Explosive Waste, and Unexploded Ordnance," *Protecting Personnel at Hazardous Waste Sites*, W. F. Martin and S. P. Levine, ed., 2nd ed., Butterworth-Heinemann, Stoneham, Massachusetts, pp. 404-421.

○ Pastorick, J. P., 1993, "Detection, Retrieval, and Disposal of Unexploded Ordnance at U.S. Military Sites," *Handbook: Approaches for the Remediation of Federal Facility Sites Contaminated with Explosive or Radioactive Wastes*, U.S. Environmental Protection Agency (EPA), Office of Research and Development, Washington, DC (EPA/625-R-93-013).

Pastorick, J. P., 1993, "Critical Considerations for Project Sites Containing Unexploded Ordnance," *Remediation Journal*, vol. 3, No. 2, pp. 221-232 and *Federal Facilities Environmental Journal*, Vol. 4, No. 1, pp. 81-92.

Pastorick, J. P., J. Bern, and F. Adeshina, 1992, "Ranking Combined UXO/CSM/HTW Sites Requiring Restoration: An Initial Protocol," presented at the *Annual Explosive Safety Seminar of the Department of Defense Explosive Safety Board*, Anaheim, California.