

**Senior Project Advisor- William T. "Billy" Poe, President, Explosive Service International**

Billy. Poe has over forty (40) years of hazardous materials and explosive experience focusing on demolition, disposal, manufacturing, training, explosive and hazardous material regulatory experience, vent and burn of hazardous materials, as well as, explosives and hazardous materials safety. He is a graduate of the United States Army-Hazardous Devices School in Huntsville, Alabama (Bomb Technician course). He is qualified in both state and federal court as an expert witness on the aforementioned explosive topics and techniques. He serves as the current President of Explosive Service International (ESI) with over twenty-eight (28) years of business specializing in explosive and hazardous materials work in the United States and abroad. While serving as the Commander of the Louisiana State Police-Hazardous Materials and Explosive Unit, Mr. Poe developed, authored and implemented the State of Louisiana's first hazardous materials regulations under the states "Right to Know" legislation in 1978. Consequently, he authored and implemented the State of Louisiana's first explosive regulations in 1979. He oversaw the enforcement of these explosive and hazardous materials regulations throughout the state during his twenty-two year tenure with the Louisiana State Police.

He developed ESI's Explosive Safety course currently approved by the Louisiana State Police and serves as ESI lead explosive instructor. Mr. Poe holds ESI's Louisiana "Explosive Manufacturer" license, as well as, Federal explosive license as a "Responsible Person". Mr. Poe also holds a forty (40) hour hazardous materials (Hazwoper) certification. He managed a two (2) year multi-million dollar EPA Region VI project to recover hazard class 1.1, 1.3 & 1.4 commercial explosives, military ordnance, smokeless and black propellant powder and fireworks in the aftermath of hurricanes Katrina and Rita.. During this contract, Mr. Poe compiled EPA reports, oversaw field operations and managed ESI Explosive Technicians conducting removal operations of hazardous materials and explosives throughout the state of Louisiana, Mississippi and Texas. He is a critical ESI team member and senior explosive advisor for this project.

**Explosive Project Manager-William "Jason" Poe, Vice President, Explosive Service International.** Jason Poe has over twenty-two (22) years of explosives and hazardous materials experience with specific emphasis on commercial and industrial explosive demolition, disposal, marine salvage and hazardous materials remediation, management and emergency response.

He is the current Vice President of Explosive Service International, overseeing all explosive projects for the company. His duties include the management of ESI's Louisiana based explosive manufacturing facility. His experience includes in depth experience with explosive regulations (State of Louisiana and Federal-ATFE), as well as, federal and state DOT regulatory experience regarding hazardous materials. He routinely oversees simultaneous complex explosive projects

coordinating operations with ESI's customers. As a Senior Explosive and Hazardous Materials Technician with the Louisiana State Police-Emergency Services Unit (Retired), he managed, remediated and regulated complex hazardous materials incidents as the state of Louisiana's on scene coordinator for hazardous materials. He is a graduate of the United States Army-Hazardous Devices School in Huntsville, Alabama (Bomb Technician course). He enforced the state of Louisiana's explosive regulations as a certified Bomb Technician regulating the commercial explosive industry across the state of Louisiana. He holds ESI's Louisiana Explosive "User" license, as well as, ESI's Federal explosive license as a "Responsible Person". He is a certified forty (40) hour hazardous material technician (Hazwoper) instructor, as well as, Explosive Instructor recognized by the Louisiana State Police to teach ESI's Louisiana explosive safety course. He has conducted and managed numerous on-site explosive disposals through "Open Burn" to include the Explo Systems, Inc. magazine explosion disposal by open burning over 15,000 lbs. of propellant powder at Camp Minden in October 2012, as well as, the open burning of 1,500 lbs. of TNT and Ammonium Picrate for the Louisiana Military Department in August of 2014 at Camp Minden, La. Additionally, his commercial explosive disposal experience also includes emergency response to explosive incidents for various environmental and explosive contractors including United States Environmental Services, USA Environmental and PIKA International in Louisiana and across the United States. Throughout his tenure with the Louisiana State Police and ESI, he has conducted and managed on-site disposal of explosives and hazardous materials around the state of Louisiana for the Louisiana Department of Environmental Quality Louisiana State University, Southern University New Orleans, McNeese State University and The Environmental Protection Agency. He currently serves as one of the two ESI explosive safety consultants for Weston Solutions working under contract for the Environmental Protection Agency (EPA) at Camp Minden, La. He has worked directly for the EPA conducting explosive, propellant and munition remediation operations during hurricanes Katrina and Rita for ESI. Furthermore, as a Manager, Explosive and Hazardous Materials Technician, he has managed ESI's operations on numerous large scale hazardous materials emergency response incidents as a contractor to The EPA. He is listed as an ESI critical team member for this project and will combine his experience with the CERLA and RCRA experience of the Project Manager (Matthew Salinger) to provide project management for this project.

**Project Manager-Matthew Salinger, Environmental Quality Management, (EPA ERRS contractor).** *Mr. Salinger has twenty-eight (28) years of experience in the environmental field, managing Environmental Protection Agency (EPA) CERCLA and RCRA sites.* His experience includes 25 years managing groundwater remediation, oil spill cleanup, pesticide warehouse fire response and remediation, radiation cleanups, anthrax disinfection, dioxin/PCP/creosote

removal, secure-landfill construction, lead contamination removal, abandoned drum removal, and hazardous material spills on land and in water. He has worked for the United States Environmental Protection Agency (EPA) ERRS and ERCS contractors for 24 years in EPA Region 6, has been a T&D Coordinator for 3 years, and has been an EPA approved Response Manager for over 20 years. He has extensive experience regarding EPA regulatory requirements and has managed the cleanup of over thirty-five (35) Superfund sites across Region 6. He has directed over 50 engineering, removal, remediation, and O&M projects valued at over \$50,000,000. His direct management experience has led him to supervise field crews ranging in size to 350 people for over 50 projects. He has performed and overseen ambient air monitoring per EPA methods, as well as, prepared the supporting documents. He has supervised all site activities such as: collecting field samples; assuring chain-of-custody; selecting analytical tests and analytical laboratories; organizing and interpreting data used for waste characterization and remedial planning; preparing sampling quality assurance plans; coordinating transportation and disposal of hazardous waste; supervising heavy equipment, operators and laborers; evaluating and selecting subcontractors; managing project costs; preparing all field paperwork; and coordinating with local, state and federal regulatory agencies including USEPA, USDOT, USCG, LDEQ, ODEQ, TCEQ, TGLO, and NMED. Mr. Salinger is also currently 40 hour hazwoper certified. He is considered a Key Person and critical to the successful management of this ESI project. His management experience with management of EPA CERCLA and RCRA superfund sites will be combined with the explosive experience of ESI's Explosive Project Manager (Jason Poe) and Safety Manager (Ken Williams) to provide unprecedented management for this project.

**Senior Project Technical Advisor-Bob Hayes, El Dorado Engineering, Inc.** Mr. Hayes has over sixteen (16) years of professional experience with specific emphasis on managing large multi-million dollar turnkey design/build explosive disposal facility projects. He is the current President of El Dorado Engineering. His expertise includes combustion, thermodynamics, heat transfer and formation and control of emissions. He has extensive experience with burners, furnaces, air handling systems, controls, instrumentation and safety systems at industrial and research facilities. He has conducted numerous process hazards analysis and explosive characterization testing. He performs energetic materials testing, design and implementation of El Dorado's equipment around the world. He has fielded countless El Dorado designed explosive disposal units to include Contained Burn Chambers and Kiln Explosive Waste Incinerators for both private clients as well as the U.S. and foreign allied governments. The development of low NOx burner applications in industrial furnaces and low emission reduction technologies has been a focus of his career in the explosive industry. He will serve as a

Program/Project Manager for the systems engineering scope of this project and is considered a critical member of ESI's team.

**Safety Manager - Kenyon Williams, Explosive Service International.**

Mr. Williams has served as Explosive Service International's (ESI) primary safety manager since his retirement from the United States Army after forty-one (41) years of explosive safety experience in 2013. He currently holds both a State of Louisiana Explosive license and Federal Explosive license for ESI. During his tenure with the US Army, he served in many distinguishing roles with the US Army's Technical Center for Explosives Safety (USATCES) to include Associate Director, Chief of the Risk Management Division, Chief of the Development and Production and Program Manager for Underground Testing. Most recently, he supervised three (3) Divisions with approximately 45 employees engaged in professional and technical work of explosives safety, chemical agent, and unexploded ordnance cleanup in support of Head Quarters, Department of the Army. He directly performed tasks that included the Army approval of US Army explosives, chemical agent, and explosives clean-up safety site plans which included many Army demolition and burning grounds operations. Mr. Williams also was appointed by the Army to the Department of Transportation, as the Army Hazard Classifier and was responsible for maintaining the Department of Defense's Joint Hazard Classification System which contains over 20,000 ammunition and explosives items and is used to ship Class 1 materials worldwide. His leadership experience included a position as the US Army alternate Board Member on the Department of Defense Explosives Safety Board (DDESB). In this role, he assisted the DDESB with the promulgation of DOD explosives safety standards such as the DA Pam 385-64 and DOD 4145.26-M making him extremely knowledgeable of the explosives safety and health requirements for ammunition and explosives disposal work. He was also appointed as the as the US Army's Hazard Classifier to the Department of Transportation. Based on his extensive ammunition and explosives experience, he was called on to represent the U.S. Army in support of the U.S. State Department with conducting explosives safety training in Lebanon and Egypt. He was also called on by the DDESB to assist in explosives accident investigations in Ukraine and Tanzania. In addition, he has participated on and led Army investigation teams investigating Army explosives accidents in CONUS.

His directly relevant project experience with open burning of propellant powder is extensive and began with his duty station at Lone Star Army Ammunition Plant in Texarkana, TX. During his tenure at Lone Star Army Ammunition Plant, he was the government safety manager overseeing the safe explosives manufacturing of over two (2) million pounds of Hazard Division 1.1 and 1.3 explosives. His extensive "Open Burn" experience includes supervising the open

burning of over 500,000lbs of propellant and pyrotechnic powders and other military explosives annually. In addition to preparing explosives safety site plans for burning ground operations, Mr. Williams has performed Job Safety Analysis, prepared explosives licenses, prepared SOP's identified PPE requirements, conducted safety inspections of operations, monitored air contaminants, performed grounding and bonding tests, investigated explosive accidents and trained worker's on safety and health regarding explosives. At Kwajalein Missile Range, Kwajalein, Marshall Islands, Mr. Williams was a ground safety engineer and part of these duties involved the safe disposal of World War II unexploded ordnance and safely conducting reef blasting operations with demolition explosives. In 2003, Mr. Williams was assigned to a special Army team reviewing explosives operations in Iraq. Based on visiting nine sites in Iraq, Mr. Williams briefed the Commanding General of Central Forces Land Component Command (CFLCC) on the need to establish a special Army team to manage and safely dispose of Captured Enemy Ammunition. Based on this experience, Mr. Williams returned to USATCES and led the development of the Army explosives safety standards for storing Captured Enemy Ammunition which still exists today. Mr. Williams deployed to Afghanistan in 2010, where he functioned as the Explosives Safety Manager for HQ U.S. Forces, Afghanistan, in Kabul, Afghanistan providing technical assistance for disposal operations and visiting numerous Forward Operating Bases to inspect and provide technical assistance for U.S. Army ammunition storage operations. Mr. Williams has extensive explosives disposal through "Open Burn", as well as, critical explosive safety oversight experience. Mr. Williams "Open Burn" experience will be combined with the experience of the ESI Explosive Project Manager (Jason Poe), Project Manager (Matthew Salinger), Material Removal and Transportation Supervisor (Frank Czjakowski) and Material Disposal Manager (Richard Crain) to provide daily oversight for on-site disposal of explosive materials utilizing open burning in a large scale on a continuous process flow environment. As such, he is listed as a Key Person for this project and his experience makes him a critical member to ESI's team.

**Compliance Manager-Michael Hebert, SEMS Inc.**

**Mr. Michael J. Hebert** (Compliance Manager) is the Vice President of Construction/Remediation Services for SEMS and is a resident of Louisiana. He received his Bachelor of Science Degree in Construction from Louisiana State University in 1989 and has over 25 years of experience in industrial and environmental services for both governmental and industrial clients. Mr. Hebert actively manages projects involving environmental construction, waste management, and maintenance activities. Prior to joining SEMS, Mr. Hebert managed the Remediation and Environmental Construction Group for Clean Harbors' South Region (12 state

region), was a Senior Project Manager for Shaw Environmental & Infrastructure Group, was a Regional Project Development Manager for Clean Harbors Environmental Services, was an Operations Manager for Clean Harbors/Laidlaw Environmental, and was a Project Manager for IT Corporation (later acquired by Shaw E&I). Mr. Hebert has extensive experience in the management of remediation and waste management projects including procurement, project controls/cost-schedule, administration/project accounting, evaluation of remedial/waste management alternatives, safety, regulatory compliance, and understanding and implementing technical specifications. Mr. Hebert also has 40 Hour Hazardous Waste Operations (HAZWOPER) Training.

**Material Removal and Transportation Supervisor-Frank Czjakowski, Explosive Service International**

Mr. Czjakowski is a former US Navy Seal (Warrant Officer 4 retired) with over forty (40) years of Explosive Experience both in a combat environment, as well as, the commercial explosive industry. Previous roles and responsibilities include Senior Project and Program Management, Technical Writer, Senior Instructor, Demolition Supervisor, Explosives and Construction Safety Manager. He is qualified as an OSHA 500 Trainer, as well as, currently licensed Louisiana explosive license holder with ESI. He also possesses a current Federal explosive license with ESI and is forty (40) hour hazwoper certified. His relevant work experience includes curriculum development, planning, managing and execution of technical project development for all facets of explosive ordnance disposal, storage and transportation. He has operated in the field for most of his explosive career successfully managing projects that included reactive materials, military and commercial explosives, as well as, military munitions and firing systems. He directly prepared plans, procedures and SOP's for de-mining and disposing of explosives derived from battle area clearance of the Explosive Remnants of War (ERM).

He has Managed over 35 major US Government explosive projects, as well as, many commercial mixed HAZWASTE projects involving unexploded ordnance, explosive constituents and various toxic chemicals. His extensive experience in proper explosive storage configurations, as well as, improper storage configurations in less than ideal conditions is extremely relevant to his assignment for this project. His experience makes him a Key Person on this project and a critical member of the ESI team.

### **Material Disposal Supervisor-Richard Crain, Explosive Service International**

Mr. Crain has over forty-five (45) years of explosive experience specializing in explosive disposal. In 1983 he designed, permitted and developed the first and only permitted Thermal Treatment Storage and Disposal (TSD) Facility for Explosives and Reactive Waste in the United States. He developed explosive disposal techniques and procedures for "Open Burning" that are currently used by several government and explosive contractors to this day. In 1984 he facility formerly known as R&D Fabricating and Manufacturing Colfax, La (now owned and operated by Clean Harbors Colfax Facility) was issued a TSD permit by the Environmental Protection Agency (EPA). His TSD facility was later issued a permit by the Louisiana Department of Environmental Quality (LDEQ). During his tenure at his TSD facility, Mr. Crain disposed of through "Open Burn" approximately 500,000 pounds of reactive waste, explosives, military propellant powder annually. He also provided explosive disposal services to the Mexican Government outside the United States in Mexico on a large scale basis disposing of thousands of pounds of explosives in Mexico annually over a six (6) year period. He is a senior explosive manager with ESI, as well as, one of ESI's explosive instructors approved by the Louisiana State Police to teach ESI's Explosive Safety course. Mr. Crain is currently licensed with ESI both as a Louisiana explosive license holder, as well as, a federal explosive license holder. His current certifications also include forty (40) hour hazardous material (Hazwoper). He has extensive experience supervising explosively trained personnel and has operated in challenging conditions in the field under less than ideal circumstances around the world. He has successfully managed as many as 250 people simultaneously working on complex explosive projects throughout the United States and abroad. His over forty (40) years of explosive disposal experience is vital to the success of this project. He is listed as a key person and is a critical member of ESI's team.

### **Explosive Service International; Explosive Technicians**

Explosive Service International, (ESI) Explosive Technicians far exceed the RFP requirements regarding years of experience and operational abilities. Each explosive technician is licensed both with the Louisiana State Police, as well as, the Alcohol, Tobacco, Firearms and Explosives as a blaster and employee possessor. They manufacturer, store and utilize over 200,000 lbs. of explosives annually at our Louisiana based explosive manufacturing facility. Subsequently, "All" ESI explosive technicians have conducted "Open Burn" disposal operations in a field type environment. Our employees safely work with explosives on a daily full-time basis year round. ESI technicians have directly contributed to our twenty-eight (28) years of accident free explosive work. The average combined experience of our explosive technicians exceeds (15)

years of operational explosive experience. All of our ET's routinely work in harsh, less than ideal conditions on a routine basis. They are self-motivated and routinely work with little to no supervision on complex explosive projects in both a maritime and land based environment. As Louisiana law requires, our explosive technicians are familiar with all State and Federal regulations governing explosives to include safe operations, explosive magazine inventory records and transportation and storage requirements.

**Mr. Brian Sullivan, P.E.** (Environmental Manager) is the New Orleans Branch Manager for SEMS who received his Bachelor of Science Degree in Civil Engineering from Louisiana State University in 1995. He is a Louisiana resident and Louisiana Licensed Professional Civil Engineer (LA 29090) with 19 years of environmental experience. Mr. Sullivan is a U.S. Army veteran of Operation Desert Shield Desert Storm. Mr. Sullivan's military experience included explosives, demolitions, and combat obstacles training and missions. Mr. Sullivan received his Combat Engineer (12 B) training at Fort Leonard Wood, Missouri and his Combat Engineer experience as a part of the U.S. Army's 1<sup>st</sup> Cavalry Division. He has directed work entailing subsurface investigations, groundwater monitoring, risk assessment, corrective action plan development, air monitoring, hazardous and non-hazardous waste removal, mechanical and civil construction. He has significant experience with Louisiana state environmental contracts including RCRA and CERCLA Sites. Specifically, Mr. Sullivan manages existing contracts for the following sites: Delatte Metals Superfund Site, Bayou Bonfouca Superfund Site, and Madisonville Creosote Works Superfund Site. He is a Certifying Engineer for waste rejection and removal activities at WMI Landfills. Mr. Sullivan previously served as a project manager on commercial and federal remedial projects, emergency oil spill/hazardous material response and as a response manager on federal remedial projects (Regions 6, 9, and 10 under the U.S. EPA ERRS contract), receiving the only perfect 100 score on his Project Evaluation Report from the USEPA. Other pertinent training/certification includes the following: Response Manager Certification from USEPA; 40 Hour Hazardous Waste Operations (HAZWOPER) Trained; Sergeant (E-5) Combat Engineer, 155<sup>th</sup> Armor Brigade Mississippi Army National Guard and 1<sup>st</sup> Cavalry Division of Fort Hood; National Defense Service Ribbon; and Platoon Leader Development Course (PLDC), United States Army, Fort Hood.

**Senior Environmental Advisor-Rick Frandsen, P.E., El Dorado Engineering, Inc.,** Mr. Frandsen has over twenty-six (26) years of professional experience focused on permitting activities and air modeling for RCRA environmental permits and associated risk assessment. He has extensive experience in combustion/dispersion modeling and vapor dispersion modeling. He currently serves as the Vice President of El Dorado charged with project management to include the



contract executions and milestones. As a manager, he has performed air modeling of stacks, open burning, open detonations and rocket motor firings. He has performed air modeling for potential accidents involving chlorine, MCA and methanol at large chemical facilities. He has also performed air modeling and environment risk assessments for accident involving propellants and explosives involved in storage related incidents. He has overseen the implementation of El Dorado's equipment around the world. His RCRA permitting and modeling experience is crucial to the success of this project. He is considered a critical team member of the ESI team on this project.

**Senior Combustion Advisor-Jacob Peart, P.E., El Dorado Engineering, Inc.** Mr. Peart *has over fifteen years of professional experience associated with mechanical and combustion processes.*

He directed systemization of a 120 million dollar hazardous waste processing facility that included the demilitarization of chemical munition items. He is a lead engineer on the installation of a contained burn system for tactical rocket motors, and has worked on the development of an ISO containerized furnace. He is the holder of six patents, having managed innovative combustion processes for companies. His knowledge and experience with combustion processes are valuable to the success of this project, and he is critical member of ESI's team.

**Mechanical Advisor-Morgan Frampton, El Dorado Engineering, Inc.** Mr. Frampton serves as El Dorado's main lead mechanical field engineer, and is *highly experienced with all aspects of design and installation for El Dorado's Contained Burn Chambers and Explosive Waste Incinerators.* He has served as a design engineer, project manager, and lead field engineer on complex equipment and systems used for demilitarization and other processing of energetic materials. His additional demilitarization experience includes Transportable Flashing Furnace design and field engineer for a magnesium recovery and processing plant. He is responsible for combustion and thermal analyses for a contained burn system for tactical rocket motors. His hands-on experience and design knowledge make him a critical member of ESI's team.

**Senior Electrical Advisor-Nathan Glick, P.E., El Dorado Engineering, Inc.** Mr. Glick has *over thirty-eight (38) years of profession experience with demilitarization, controls, and instrumentation.* He has served as El Dorado's Chief Electrical Engineer since their inception in 1981. His experience includes hazardous waste management systems; explosives and hazardous waste incineration systems and air pollution controls; instrumentations and control of machinery; installation of controls and instrumentation in processing plants in the United States, Europe, and Asia. He has provided controls and instrumentation for Contained Burn

Chambers, as well as Transportable Flashing Furnaces. He has provided training for operators of facilities world-wide.

**Field Installation Advisor-Glenn Johnson, El Dorado Engineering, Inc.** Mr. Johnson has over twenty nine (29) years of electrical installation experience. He is a Master Electrician, with specific experience in designing, fabricating, and installing electrical control panels and processes. He is also highly experienced with PLC and HMI programming and development. He has served as the Field Installation Specialist on numerous projects, including Contained Burn Chamber projects, Explosive Waste Incinerator projects, and Transportable Flashing Furnace projects. He is highly experienced in installations in potentially explosive and hazardous environments.