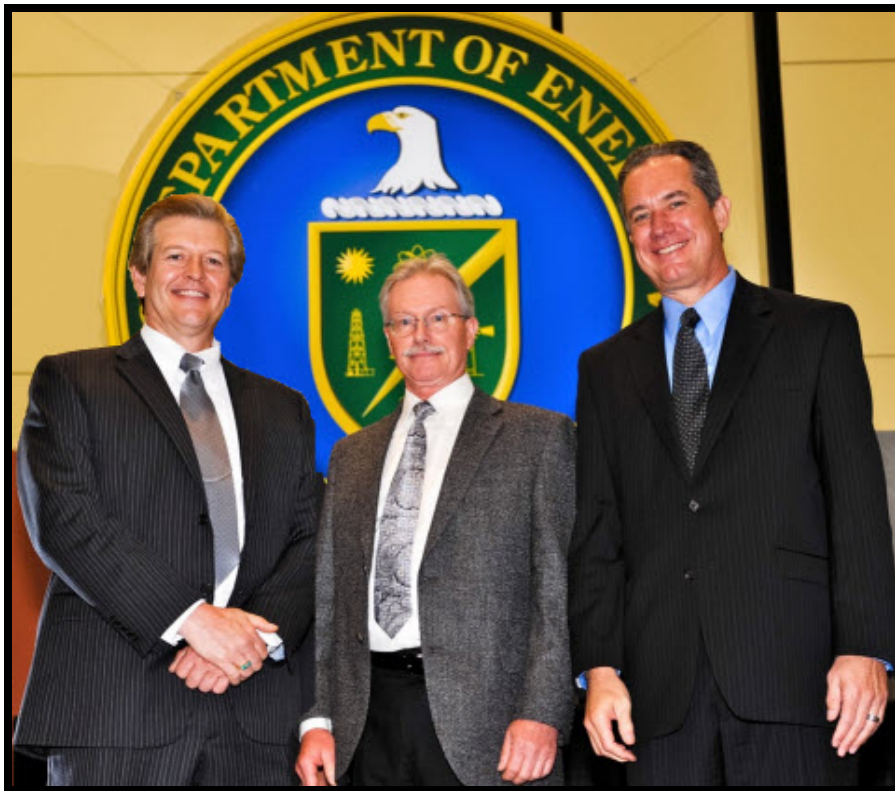




Company Information and Statement of Capabilities

April 2016

2010 DOE Small Business of the Year



*L to R; Glenn Cox and Michael Kirkpatrick of Edgewater, and Bill Valdez,
DOE Principal Deputy Director of the Office of Economic Impact and Diversity
at the 2010 DOE Small Business of the Year award ceremony.*

Our current Statement of Capabilities can be found at:

www.EdgewaterTech.net

INTRODUCTION

Edgewater Technical Associates, LLC (“Edgewater”) is a small Northern New Mexico company founded in Los Alamos, New Mexico in 2003 to support the Los Alamos National Laboratory. Starting with less than 10 employees, over the last twelve years Edgewater has grown to a company of nearly 200 employees supporting U.S. Department of Energy (DOE) sites across the complex and the U.S. commercial nuclear industry. From our starting days until now, *Edgewater provides expert assistance to organizations performing hazardous operations where quality, safety, and regulatory compliance are essential.*

Our expertise spans numerous areas of DOE, National Nuclear Security Administration (NNSA), and commercial nuclear activities. We have provided assistance with nuclear operations, engineering, Safety Basis, waste management, environmental, maintenance, and D&D support. Edgewater has provided personnel for general staff augmentation contracts as well as specialists working to improve quality, safety, and human performance in hazardous and highly regulated work environments. Edgewater has a proven record of proficiency in recruiting, staffing, and managing both project and staff augmentation contracts and is currently performing contracts valued at over \$30M per year.

Our strong technical capabilities are derived from the extensive nuclear experience of Edgewater’s management and senior staff. In addition to our DOE/NNSA expertise (which includes DOE HQ and EM support), we have also supported the U.S. Nuclear Regulatory Commission (NRC), the private extractive industry, and International Atomic Energy Agency (IAEA) activities. This support encompasses regulatory compliance, Integrated Safety Management (ISM) principles, human performance improvement strategies, and multidisciplinary engineering services.

CORE COMPETENCIES

Edgewater provides a wide range of services as described in the remainder of this document, but our core competencies are as follows:

- Multidiscipline Engineering Services
- Nuclear Operations Support
- Waste/D&D Operations Support
- Formality of Operations
- Operational Readiness Preparation
- Safety Basis Support
- Environmental Remediation and Regulatory Support
- Maintenance and Work Planning
- Training and Procedures

MULTIDISCIPLINE ENGINEERING SERVICES

Edgewater offers a full suite of engineering services ranging from initial design to operating systems engineering. Major support disciplines include architectural, chemical, civil, electrical, mechanical, 3-D CAD, and I&C, as well as industry specialties such as Nuclear Safety, Criticality Safety, Fire Protection Engineering, High Explosives, Nondestructive Assay (NDA), and radiological engineering support. Edgewater personnel have performed Vital Safety System assessments and served as designated VSS System Engineers at multiple DOE nuclear facilities.

NUCLEAR, WASTE, AND D&D OPERATIONS SUPPORT

Edgewater has provided operations support to nuclear and high-hazard activities including Category-2 nuclear facilities, accelerator, explosive, biological, gas plant, and radiological/hazardous material shipping facilities. Our integrated support has encompassed equipment operator, control room operator, and operations supervisor activities in integrated areas of day-to-day operations, emergency preparedness, safety basis and environmental regulatory compliance, training, procedures, and formality of operations. We have provided facility managers, senior supervisory watch, technical advisors, conduct of operation mentors, and full readiness preparation teams to multiple nuclear and high-hazard facilities within the DOE complex. We have also provided senior technical support for corrective action plan development and implementation in response to audit and DNFSB findings, facility audits, and supported facility startup/restart activities.

Edgewater has also provided operational support to industrial, radiological, RCRA, and TSCA waste facilities, and deactivation and decommissioning activities. We have handled and ensured the proper disposal of materials ranging from Transuranic, Low Level Waste (LLW), Mixed LLW, RCRA and TSCA Hazardous wastes, radioactive liquid waste, and environmental remediation sites (CERCLA), and supported the D&D of radiological and CERCLA/RCRA structures. Our support has encompassed project planning, waste generation, handling, segregation, characterization, certification, packaging, and shipping operations, as well as integrated areas of day-to-day operations, emergency preparedness, safety basis and environmental regulatory compliance, training, procedures, and formality of operations. We have provided project superintendents, shift managers, and technical advisors for DOT, EPA, CERCLA, RCRA, Consent Order, and Federal Facility Agreement support.

OPERATIONAL READINESS PREPARATION AND FORMALITY OF OPERATIONS

Edgewater’s senior staff of operations experts has supported facility readiness preparation for numerous Implementation Validation Reviews (IVRs), Operational Readiness Reviews (ORRs), and Contractor Readiness Assessments (CRAs). Our personnel regularly monitor activities and operations, support services, and the execution of roles and responsibilities to assure operationally compliant readiness and full implementation of all safety management programs and processes required to support safe and compliant operations. Rather than only assessing compliance, Edgewater personnel have provided “Find it and Fix it” teams, to identify and then correct problem areas in a range of functional areas which typically include:

Safety Basis	Maintenance Planning	Radiation Protection	Environmental Management
Conduct of Operations	Waste Management	Safeguards and Security	Emergency Operations
Training and Qualification	Issues Management	Engineering	Abnormal Events
Procedures	Industrial Health and Safety	Facility Planning	Quality Assurance

Formality of Operations is an essential element of any readiness preparation and ongoing operations, regardless of facility classification. Edgewater has provided extensive DOE O 421.1 Conduct of Operations program development and implementation at numerous facilities across the DOE complex. Our staff of senior experts has developed or enhanced ConOps programs, developed and implemented ConOps training, provided on-shift mentoring, and performed ConOps audits and assessments, all in support of DOE P 450.4 Integrated Safety Management (ISM) principles. We have also supported conduct of engineering, maintenance, and training programs at nuclear, environmental, and D&D facilities.

SAFETY BASIS SUPPORT

Edgewater has provided a wide range of 10CFR830 and DOE-STD-3009 or DOE-STD-3011 Safety Basis and Authorization Basis support including the analysis, development, and implementation of DSAs, TSDs, BIOS, TSRs and HASPs. Edgewater personnel have performed hazard analysis, accident analysis, Design Feature and SSC selection, and Control Set selection and development (TSRs). A senior Edgewater manager currently serves as the facility Safety Basis Manager for a DOE TRU Waste processing facility.

Edgewater had performed multiple compliance assessments of overall safety basis implementation, as well as TSR compliance, Specific Administrative Control selection process, and USQ implementation. We have provided USQ developers and USQ training and qualification. In concert with LANL, NNSA, EFCOG, and the University of California Berkley, Edgewater managed and performed the design and development of a DOE/NNSA complex-wide Safety Basis Academy (SBA) to establish a comprehensive, integrated training program to train and qualify Safety Analysts in nuclear, accelerator, explosives, and chemical Safety Basis design and development.

ENVIRONMENTAL REMEDIATION AND REGULATORY SUPPORT

Edgewater has provided senior subject matter experts to support facility management with environmental program and compliance issues at DOE facilities across the complex. We have provided regulatory interpretation and strategic planning for negotiations and interface with DOE, State, and Federal regulators. This support typically includes strategic planning, oversight, compliance assessment, and management/supervision of daily operations of environmental sites and regulated outfalls. We have supported environmental remediation sites involving TRU, LLW, Mixed LLW, radioactive liquid, RCRA, and TSCA wastes.

We have provided subject matter expertise on issues ranging from characterization programs to RCRA, CERCLA, Consent Order, storm water, New Mexico Hazardous Waste Act, Natural Resource Damage (NRD), National Pollution Discharge Elimination and Groundwater Discharge permitting, Air Quality Act, Air Quality Control Regulations, and the New Mexico Solid Waste Act.

Additionally we have provided on-site worker-level support for material handling, tracking, characterization, radiological classification, and certification for waste disposal at all US commercial and DOE waste disposal and treatment sites. We have performed RCRA determinations, TSDF profile development, asbestos and beryllium determination, and WAC compliance evaluations, as well as waste packaging and transportation activities required to support shipments to WIPP, NNSA, Energy Solutions, Perma-Fix, US Ecology, and Waste Control Specialists, and the Oak Ridge Environmental Management Waste Management Facility (EMWMF).

MAINTENANCE AND INTEGRATED WORK PLANNING

Edgewater personnel are expert in the Integrated Work Planning process. Edgewater provides senior work planning and scheduling resources to Operations, Maintenance and Construction activities and have been instrumental in the successful execution of hundreds of work planning jobs, ranging from preventive maintenance tasks to nuclear and non-nuclear facility modifications, construction, and D&D projects.

Our planners have led senior work review groups, interfaced with management and procurement, performed planning, scheduling, cost estimating, job hazard analysis, field walkdowns, and pre-job briefs. Edgewater has also developed and delivered Person in Charge (PIC) qualification training for work package supervisors.

TRAINING AND PROCEDURES DEVELOPMENT AND IMPLEMENTATION

Edgewater is expert in the formal application of the Systematic Approach to Training (SAT) and associated personnel qualification requirements mandated by DOE/NNSA and DOE Order 426.2. We have developed, managed, and implemented complete training and qualification programs for a wide variety of high-hazard programs including nuclear facility operations personnel, nuclear safety analyst and USQ preparers, waste facility operations personnel, waste packaging and transportation personnel, systems engineers, radiological engineers, procurement personnel, and fire departments responsible for nuclear facility emergency response. We have performed complete review and assessments of DOE facility site-wide training and qualification programs and developed and implemented corrective action training program improvement plans.

Ideally, training and procedures programs are integrated to achieve efficiency and maximize human performance. Procedures should contain appropriate detail based on the importance and complexity of each task, while recognizing the training, qualification, and skill of personnel performing the activity. We are expert in the application of DOE and industry standards for technical writing, and understand the logistical and managerial requirements associated with supporting procedures organizations in an integrated approach with training and qualification programs. This integration produces user-friendly, well-written procedures and work instructions that become key components of human reliability, required for complex, hazardous, or highly regulated environments.

FULL LISTING OF DEMONSTRATED AREAS OF EXPERTISE

Edgewater's demonstrated areas of expertise include:

- Multidiscipline Engineering Services including Nuclear Safety, Criticality Safety, Fire Protection Engineering, High Explosives, and Nondestructive Assay (NDA)
- Safety Basis: Analysis, Development, Implementation, USQ, Assessment, and Training
- Senior Management Oversight, Supervisory Watch, and Mentoring
- Nuclear Facility Management, Operations, and Maintenance Support
- Formality of Operations
- Operational Readiness Preparation
- Audits and Assessments
- Nuclear Facility Startup/Restart Support
- Project Management and Project Controls
- Maintenance Planning and Scheduling
- Work Control
- Corrective Action Plan Development, Implementation, and Strategic Planning
- Environmental Management, Regulatory Compliance, Remediation Planning, and Programmatic Support
- Environmental Data Analysis and Human Health and Ecological Risk Assessment
- National Environmental Policy Act (NEPA) Compliance Environmental Corrective Action, Independent Scientific Peer Review, and Compliance Expert Witness Services
- Environmental Property Transfer
- Natural Resource Damage Assessment Planning and Implementation
- Stakeholder/Public Involvement
- Federal, State and Local Environmental Permitting
- Solid Waste and Hazardous Waste Management
- NQA-1 Quality Assurance
- Lean Six Sigma using DMAIC and DMADV
- Deactivation and Decommissioning Planning and Programmatic Support
- Safety and Industrial Hygiene
- DOE O 421.1 Conduct of Operations
- Rad-Waste Packaging and Transportation
- DOE O 426.2 Training and Qualification Program Design and Implementation (formerly 5480.20A)
- Safety and Industrial Hygiene
- Technical Writing
- Technical support for the DOE Office of Intelligence and Counterintelligence (DOE-IN)

SITES AND ORGANIZATION WE HAVE SUPPORTED

Our primary focus involves engineering and human performance enhancements in the areas of safety management and regulatory compliance, primarily at facilities involving nuclear and other hazardous operations. Edgewater has demonstrated that expertise in various capacities for the following sites or organizations:

- Depleted Uranium Hexafluoride Conversion Facility (DuF6), Portsmouth OH
- DOE Office of Intelligence and Counterintelligence (DOE-IN), [via LANL] Los Alamos, NM
- Duncan Recycling and Refining Company (DR2), Duncan, OK
- East Tennessee Technology Park (ETTP), Oak Ridge, TN
- Hanford CH2MHILL Plateau Remediation Company (PRC), Hanford WA
- Hanford Tank Waste Treatment and Immobilization (Vitrification) Plant (WTP), Hanford, WA
- Hanford Washington River Protection Solutions (WRPS), Hanford, WA
- International Thermonuclear Experimental Reactor (ITER) [via LANL] Los Alamos, NM
- Lawrence Livermore National Laboratory (LLNL) Livermore, CA
- Los Alamos National Laboratory (LANL) Los Alamos, NM
- Nevada National Security Site (NNSS), previously the Nevada Test Site (NTS) Las Vegas, NV
- NNSA Livermore Site Office (LSO) Livermore, CA
- NNSA Los Alamos Site Office (LASO) Los Alamos, CA
- Nuclear Fuel Services Inc, (NFS) Erwin Nuclear Fuel Plant (NRC) Erwin, TN
- NuScale Power Inc., Corvallis, OR
- Oak Ridge National Laboratory (ORNL) Oak Ridge, TN
- Sandia National Laboratories (SNL) Albuquerque, NM
- Savannah River Site (SRS) Aiken, SC
- Separations Process Research Unit (SPRU) Disposition Project (DP), Niskayuna, NY
- The Environmental Council of the States (ECOS)
- TRU Waste Processing Center (TWPC), Oak Ridge, TN
- US Nuclear Regulatory Commission (NRC)
- Waste Isolation Pilot Plant (WIPP), Carlsbad, NM
- Westinghouse Electric Company's LLC (WEC) Hematite Decommissioning Project (NRC) Festus, MO

EDGEWATER STAFFING PHILOSOPHY

Edgewater is committed to recruiting and maintaining a staff of highly skilled professionals to support our customers. In keeping with this objective, we offer highly competitive employee benefits including paid holidays and personal time off; group medical, dental, short and long-term disability, life insurance, and a company-matching 401(k) account. We understand the dual responsibility of attending to the needs of our staff, as well as to the needs of our customers. We know that satisfied employees provide superior customer service. Edgewater is an Equal Opportunity Employer with an Affirmative Action Program.

SECURITY CLASSIFICATION

Edgewater has a DOE "Q" FOCI (Top Secret Foreign Ownership, Control, or Influence) designation, and many of our employees maintain active "Q" or "L" clearances.

QUALITY ASSURANCE

Edgewater maintains an NQA-1-compliant quality assurance program.

SMALL BUSINESS CERTIFICATION

Edgewater is registered with the Central Contractor Registration (CCR) as a Small Business under the following North American Industry Classification System (NAICS) codes:

- 541330 *Engineering Services Awarded Under National Policy Act of 1992*
- 541611 *Administrative Management and General Management Consulting Services*
- 541614 *Process, Physical Distribution, and Logistics Consulting Services*
- 541618 *Other Management Consulting Services*
- 541620 *Environmental Consulting Service*
- 541690 *Other Scientific and Technical Consulting Services*
- 541712 *Research and Development in the Physical, Engineering and Life Sciences*
- 541990 *All Other Professional, Scientific, and Technical Services*
- 561210 *Facilities Support*
- 561311 *Employment Placement Agency*
- 561320 *Temporary Help Services*
- 562910 *Remediation Services (Environmental)*
- 611430 *Professional and Management Development Training*
- 611699 *All Other Miscellaneous Schools and Instruction*

Edgewater is proud to have been awarded the US Department of Energy 2010 DOE Small Business of the Year Award.

CONCLUSION

Edgewater has a wide range of capabilities based on the extensive DOE, commercial nuclear, and private industry experience of its management and senior staff. We offer best-in-class support of complex and hazardous operations in the areas of human performance, regulatory compliance, environmental management and engineering support. Our skilled personnel have the proven ability to provide a comprehensive and synergistic approach to supporting safe, efficient, and compliant operations in complex and hazardous environments.

We believe that our past, present, and future success is grounded in our fundamental commitment to excellence. We make a long-term commitment to every client we support and recognize that their success and satisfaction are the only meaningful measures of our success. Edgewater is committed to excellence, quality, superior service, and to the success of our clients.

Please contact us if you would like to receive additional information or meet with an Edgewater representative. We welcome the opportunity to discuss how our Edgewater team may serve you.

Thank you for your consideration of Edgewater.

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