

Tetra Tech, Inc.
Environmental Advisory Services

GSA Schedule: GS-10F-0062N
Contract Period: (Option 1) 1 November 2007 - 31 October 2012
(Plus three additional 5-year options)
Special Item Numbers (SINs) 899-1, 3, 7, and 8

Description of Services

899-1 (and 899-1RC) - Environmental Consulting Services
899-3 (and 899-3RC) - Environmental Training Services
899-7 (and 899-7RC) - Geographical Information Systems (GIS) Services
899-8 (and 899-8RC) - Remediation and Reclamation Services

Authorized Negotiators:

Christopher J. Pike, Program Manager

(412) 921-8861
chris.pike@tetrattech.com

Janet M. Mandel, CFCM

(301) 528-3034
janet.mandel@tetrattech.com

Contacts:

Gabrielle Koscielski, Contract Manager

(301) 528-3066
gabrielle.koscielski@tetrattech.com

Debbie Pyron, Program Administrator

(803) 641-4928
debbie.pyron@tetrattech.com

Ruth Garland, Financial Administrator

(803) 641-6329
ruth.garland@tetrattech.com

Service Area Descriptions:

899-1 (and 899-1RC) - Environmental Consulting Services

Tetra Tech provides a wide range of environmental consulting services. These services include planning and documentation services for the development, planning, facilitation, coordination, and documentation of and/or for environmental initiatives covered under Executive Orders such as EO 13423 and include expertise in areas of chemical, radiological, and/or hazardous materials. Tetra Tech services also include ISO 14001 Environmental Management System (EMS) and sustainable performance measure development. Additional expertise includes extensive National Environmental Policy Act (NEPA) documentation expertise for the full range of activities including Categorical Exclusions, Environmental Assessments, Environmental Impact Statements, and all associated public involvement activities. Tetra Tech can also

support specialized environmental studies related to endangered species, wetlands, watershed, and other natural resource management plans; Coastal Zone Management Act (CZMA) compliance; archeological and/or cultural resource management plans; environmental regulatory development; and economic and socioeconomic studies. Tetra Tech also provides Homeland Security solutions including biochemical protection; crime prevention; risk analysis; identification and mitigation of threats; and vulnerability assessments. Extensive expertise in the review, audit, and implementation and management of EMS and other compliance and contingency plans and performance measures; permitting support; development of SPCC plans; pollution prevention surveys and Community Right to Know Act reporting. Tetra Tech also has expertise in advisory services in support of agency environmental programs involving areas such as hazardous materials spills; MSDS, biological/medical data sheets; implementation and management of toll-free numbers and hotlines; environmental regulations and environmental policy/procedure updates. Tetra Tech can also assist in all areas of waste management consulting services including waste related data collection, feasibility studies and risk analyses, RCRA/CERCLA site investigations, hazardous and/or non-hazardous exposure assessments, waste characterization and source reduction studies, review and recommendation of waste tracking and handling systems, development of waste management plans and surveys as well as waste minimization and pollution prevention initiatives, and review of technologies related to waste management.

- ***Environmental Impact Statements and Assessments under the National Environmental Policy Act (NEPA)*** – Formulates defensible NEPA strategies, conducts environmental sustainability analyses, describes the proposed action and identifies possible alternative actions, drafts Notices of Intent (NOI), prepares public involvement plans and facilitates public meetings, assists in consultations with regulatory agencies, provides analytical support in all major environmental disciplines, conducts cumulative effects analysis, performs mitigation planning and monitoring, prepares Finding of No Significant Impact (FONSI) and Record of Decision (ROD) documents, and provides litigation support.
- ***License Renewal and Licensing Support to Commercial Nuclear Power Industry under NEPA*** – NRC regulation 10 CFR 51 requires an applicant for nuclear plant license renewal to submit an environmental report with its application. Tetra Tech has extensive NEPA experience in license renewal dating from 1991, beginning with participation in industry review and comment on draft changes to NRC's environmental requirements for license renewal. Tetra Tech also has extensive experience in the preparation of licensing documents (NEPA-like) for commercial nuclear facilities including new generation reactors as well as reactor related facilities requiring NRC oversight (e.g., fuel fabrication facilities). Vast experience in site selection, alternatives analyses, field investigations, modeling, and radiological services.
- ***Endangered Species and/or Wetland Compliance*** – Field surveys, research, analysis, and preparing concise documentation to ensure compliance with federal, state, and local regulations. Compliance analysis and documentation include Coastal Zone Management Act and natural resource management plans; threatened and endangered species surveys; Endangered Species Act Section 7 consultations; and Habitat Conservation Plans; community surveys; wildlife surveys; habitat assessment, conservation, and restoration; wetland delineation and functional value assessment; stream characterization and assessment; and mitigation planning.
- ***Archeological and/or Cultural Resources Management*** – Experience complying with Section 106 of the National Historic Preservation Act. Activities included Phase I, II, and III archeological investigations and architectural inventories. Identifies significant cultural resources and assesses the potential for impacts to these resources. Supports State Historic Preservation Office (SHPO) consultations; performs cultural resource surveys, artifact analysis and curation, and archival studies; prepares historic preservation plans and nominations for the National Register of Historic Places (NRHP), excavation mitigations; and monitors construction in historically significant areas.
- ***Economic, Technical, and/or Risk Analysis*** – Expertise in the use of economic impacts models, including Regional Economics Model Inc.(REMI), and Regional Input-Output Modeling System II. Analyzes taxes, employment, and socioeconomic resources, including housing, public utilities, education, fire and police protection, offsite land use, transportation, historic and archaeological resources, and environmental justice. Experience in conducting both human health and ecological risk assessments. Develops specialized computer models and statistical tools that integrate field data in order to evaluate the effects associated with these chemicals. Our experience includes environmental fate and transport modeling and the estimation of potential adverse impacts to human health or populations of terrestrial and aquatic species. Our risk assessments are central to permitting and operational decisions and have successfully withstood the highest scrutiny. Specific computer models that Tetra Tech staff uses include RADTRAN, MEPAS, RESRAD, GENII, and MACCS2. Analyses the consequences of the transport of radioactive materials for various federal agencies by compilation and evaluation of data gathered during the remedial investigation and previous investigations to determine the site-specific hydrogeologic setting, the presence of contaminants at sampled locations, the generalized extent of contamination, and the characterization of subsurface materials that influence the movement, fate, and transport of contaminants and the affect of possible remedial measures.
- ***Environmental Program*** – Provides strategic planning services to improve client environmental compliance programs' effectiveness and cost efficiency.
- ***Environmental Regulation*** – Provides planning, development, and technical guidance in the preparation of environmental regulations, assisting clients in developing regulatory language that addresses unique circumstances at their facilities.
- ***Environmental Management Systems (EMS)*** – Tetra Tech offers a unique integrated approach to successfully implement an Environmental Management Systems that includes EMS training and coaching services integrated with proven technology tools to facilitate efficient EMS workflow, document management and data management.

- ***Occupational Radiation Protection and Industrial Hygiene and Safety*** – Provides proven support for the development and implementation of government and commercial client programs to implement regulatory requirements related to radiation protection and radiological emergency preparedness. Our staff has extensive experience in the development, implementation, and management of compliant radiation protection programs at industrial, commercial power reactor, DOD and DOE weapons production and environmental restoration sites and facilities. Tetra Tech staff have served in management and supervisory capacities for both NRC- (10 CFR 20) and DOE- (10 CFR 835) based operational radiation protection programs. Our staff have implemented and overseen radiation protection programs for both DOE-sponsored and NRC-licensed activities, and provided technical support to both DOE and NRC regulatory agencies. Our health physicists have conducted radiological surveys for NRC-regulated facilities and provided recommendations for follow-up actions. They have performed SSO/RSO duties for a number of field activities, including site characterization studies, environmental restoration projects and remedial actions in support of site release.
- ***Radiological Risk*** – Performed radiological human health and ecological risk assessments for active and inactive facilities. These radiological risk assessments include environmental fate and transport modeling, the calculation of potential adverse impacts to human health or populations of terrestrial and aquatic species. Tetra Tech uses computer models including MEPAS, RESRAD, GENII, and MACCS2, to develop risk assessments that support decisions regarding facility operation, closure, and cleanup.
- ***Develop Plans to Meet Environmental Regulations*** – Supports various federal agencies in the development of environmental compliance guidance plans and programs. Tetra Tech has developed and implemented Quality Assurance Oversight Programs for environmental activities, which included oversight of all environmental activities including compliance with federal and state regulations. This support has included information briefs designed to help site operators understand and comply with complex environmental regulations, development of graphic-aided guidance documents, technical review of work by others, training personnel, and development of compliance databases for mixed and hazardous waste management.
- ***Environmental Compliance Audits and Industrial Hygiene and Safety Compliance Audits*** – Provides comprehensive environmental audits and assessments for the Departments of Energy, Transportation, Defense, Interior, and Agriculture, the EPA, Federal Energy Regulatory Commission (FERC) and the Postal Service. Our staff has expertise in radiation protection, inactive waste sites, CERCLA investigations, hazardous wastes, geology/hydrogeology, air pollution, surface water pollution, environmental quality assurance/quality control, and environmental management systems.
- ***Compliance Management Planning*** – Supports government, commercial nuclear, and industrial clients in strategic planning, site selection services, evaluating site environmental compliance programs, establishing environmental compliance management programs, and preparing environmental reports for submittal to federal agencies. Our staff is involved with formal partnering initiatives at projects within EPA Regions 4, 5, and 6. The "team concept" endorsed by the partnering initiatives is key to many of our successes. Project teams comprise Navy, Federal and State regulators, contractor personnel, and other stakeholders.
- ***Pollution Prevention Surveys*** – Performs numerous pollution prevention surveys in order to reduce the amount of hazardous and toxic wastes generated and shipped off-site for treatment and disposal. We have developed pollution prevention profiles for federal facilities that outlined protocols undertaken to implement pollution prevention at those facilities and have developed technical reports on pollution prevention techniques.
- ***Compliance Effects of Process Modifications*** – Assists clients in determining the compliance implications of process and technology changes in waste management operations. Activities include modifying permits and compliance agreements to reflect the substitution of vitrification for stabilization as the treatment for uranium-contaminated electroplating sludges and the downscaling of the stabilization process for scrubber blowdown associated with mixed waste incinerator operations.
- ***Hazard and Exposure Assessments*** – Supports government and nuclear industry clients in assessing workplace hazards and personnel exposures associated with waste management operations. Activities included evaluating chemical and radiological hazards in the workplace, identifying ventilation and PPE requirements, implementing workplace-monitoring programs, determining compatibility between waste storage and packaging, and developing emergency preparedness procedures.
- ***Management and Operation of Recycling Programs*** – Develops strategies that emphasize recycling for the various waste types and pre-planning demolition activities to maximize material recovery. Incorporates federal and state solid waste and recycling requirements into the strategy.
- ***Waste Characterization Studies*** – Performs numerous waste investigation and characterization studies. Provides input to Mixed Waste Inventory Reports and STPs, assesses the technical capabilities of client sites for disposal of mixed low-level waste, characterizes and certifies waste, and prepares permit applications for hazardous and mixed waste management facilities. Conducts appraisals to examine the hazardous waste and mixed waste characterization programs. Activities include identifying RCRA solid waste and ensuring determination of proper waste codes, compliance with treatment/disposal facility waste acceptance criteria, compatibility with other waste, status as mixed waste, and determination of applicable treatment standards for land disposal.
- ***Review of Technologies and Processes Impacting Waste Management*** – Evaluates candidate mixed waste treatment technologies for various DOE sites. Participates in the preferred option selection process during the preparation of STPs by identifying treatment options for mixed low-level waste and screening the options against selection criteria. Assists in assessing alternative treatments for High Level Waste (HLW) and sodium-bearing waste. Also evaluates alternative cesium removal technologies for the salt portion of HLW. Extensive experience in vitrification process for HLW.
- ***Review and Recommendation of Waste Tracking or Handling*** – Supports developing waste management tracking systems. Performs site characterization, provides laboratory support services, and prepares communication and training materials

- **Development of Waste Management Plans** – Extensive experience in developing waste management plans. Activities include plans for the removal of lead-contaminated soil, segregate waste into hazardous and non-hazardous components, minimizing the volume of hazardous waste for treatment and disposal. Activities include the first-ever closure of HLW tanks in the U.S, preparing Tier I and II closure documents under DOE Order 435.1, and decontaminated and decommissioned of a reactor coolant pump facility, and provided closeout surveys of military sites. Successfully performed Final Surveys using both MARSSIM and NUREG/CR-5849 protocols at five sites and performed site characterization surveys at over a dozen locations.
- **Radioactive/Mixed Waste Management** – Supports clients in radioactive and mixed waste management under RCRA, TSCA, and AEA (DOE 435.1) requirements. Extensive experience in the development, implementation, and management of compliant radiation protection and waste management programs at industrial, commercial power reactor, DOD and DOE weapons production and environmental restoration facilities. Assists in the negotiation and implementation of compliance agreements addressing RCRA, CERCLA, and TSCA waste management issues, including RCRA land disposal restrictions, RCRA facility design and operating standards, CERCLA release prevention and response, and TSCA storage prohibitions. Develops STPs required under the Federal Facility Compliance Act. Provides technical support in the preparation of permit applications and closure plans for mixed waste management facilities and radiological performance assessments for radioactive waste disposal. Assists in resolving RCRA-related issues affecting the acceptability of DOE HLW in the proposed national geologic repository.
- **Threat/Vulnerability Assessment** – Provides proven support for the identification and assessment of a facility against threats including chemical and biological attacks, bombing, and other terrorist threats. Our staff has extensive experience in performing threat and vulnerability assessments to evaluate the potential for terrorist threat and providing employee training and emergency planning. Identifies and evaluates the susceptibility of a facility to a wide range of threats that could result in injury, illness, property damage, and or disruption of operations. These evaluations consist of two components: a threat assessment and a vulnerability assessment.
- **Threat Assessment** – Determines the potential for a terrorist threat and the probable attack methods against your facility. Potential threats are evaluated from two potential sources.
 - *Direct Threat* - threat directed specifically against your facility or any of your facility's tenants.
 - *Indirect Threat* - threat directed against neighboring facilities.
- **Vulnerability Assessment** – Assesses the physical security, infrastructure, and operational readiness of your facility to deter, mitigate, and respond to any terrorist incident or attack whether direct or indirect. This involves evaluating your existing programs, processes and controls to respond to threat.
- **Emergency Planning** – Details how the facility will prepare for, respond to, and recover from a terrorist incident or attack. 1) Emergency escape procedures and escape route assignments. 2) Procedures for personnel who stay behind to perform shut down operations. 3) Personnel accountability procedures. 4) Rescue and medical duties 5) Reporting procedures 6) Names of persons to be contacted for further information.

899-3 (and 899-3RC) - Environmental Training Services

Tetra Tech has been developing and performing customized and off-the-shelf environmental training activities for federal government clients since 1985. We have trained personnel and contractors from the U.S. Environmental Protection Agency (EPA), U. S. Coast Guard, U.S. Departments of Energy, Defense, Transportation, and Interior, as well as the, Central Intelligence Agency, and U.S. Postal Service. In addition, Tetra Tech has trained staff from a wide range of emergency rescue, first responders, and various fire and rescue operations from local and state supported operations.

- **Off-the-Shelf Courses** - Performs needs assessments, and develops and presents customized as well as generic OSHA, RCRA, SARA, DOT, DHS and NRC-required training to industries, utilities, and local government agencies. Other compliance-related courses developed and offered by Tetra Tech include Hazard Communication (29 CFR 1910.120); HAZWOPER (29 CFR 1919.120 e), Emergency Response (29 CFR 191.120 q), Hazardous Energy Control - Lock Out/Tag Out (29 CFR 1910.147); Personal Protective Equipment (29 CFR 1910.132); Hearing Conservation (29 CFR 1910.95); Respiratory Protection (29 CFR 1910.134); Bloodborne Pathogens (29 CFR 1910.1030); and Permit Required Confined Space (29 CFR 1910.146); 8-hour HAZWOPER Supervisors course (29 CFR 1910.120); 8-hour, 12- hour, and 16-hour courses for Emergency Planning Right-to-Know Facility Coordinators (SARA Title III); 16-hour Train-the-Trainer offered alone or in conjunction with other courses; 8-hour On-Scene Incident Command System Training; ICS 300 Intermediate Incident Command System, ICS 400 Advanced Incident Command System, Incident Management Team Exercises, hazardous waste sampling and site characterization, Risk Assessment and Accident Investigation/Root Cause Analysis.
- **Computer Based Course** - Creates client-specific electronic web-sites, documents, and manuals. We have the capabilities to design and create secure, password-protected web-based training programs.
- **Customized Course Development** - We have developed over a dozen topic-specific programs and presently teach 22 different courses. Tech can design training programs using proven Systematic Approach to Training (SAT) processes (ADDIE). We have personnel with the expertise to customize your required training ensuring your personnel are taught all of the vital information they need.
- **Employee Training** – Tetra Tech supports customers project-specific statements of work to meet specific agency needs. Tetra Tech tailors its response to specifically address the agency request. Tetra Tech does not have an off the shelf price list for training classes or materials. Examples of Homeland Security training services available include Bomb Threat Awareness, Mail Handler, Security Guard, and Emergency training.

- *Bomb Threat Awareness*- Focuses on training the entire staff on how to respond to a bomb threat. Assists facility managers by providing options such as evacuation, general search by all employees, specific search by trained response teams or a combination of these three options.
- *Mail Handler*- Train mail handlers on the hazards associated with opening and handling the mail, and how to recognize and mitigate the risks.
- *Security Guard Training*- instructs security guards on how to screen personnel for the presence of hazardous material. Teaches guards how to recognize the possibility that an attack is either about to occur or is occurring.

899-7 (and 899-7RC) - Geographical Information Systems (GIS) Services

Tetra Tech offers a full range of Geographic Information Systems (GIS) services to support and enhance environmental and engineering projects, including GIS-based spatial analysis, custom web-based application design, and enterprise system development. Tetra Tech GIS services and products enable clients to become more informed decision makers, reducing project risks and improving data integrity.

- *Mapping and Cartography* – Tetra Tech employs GIS to illustrate complex environmental datasets through visually concise maps, conceptual site models, and other graphics. GIS map products are customized to suit client and project needs, from letter-sized report graphics to large format plots for posters and presentation material. These GIS products integrate a variety of different spatial datasets often from multiple sources in a single platform.
- *Spatial Data Analysis* – Tetra Tech uses industry-standard software to integrate, analyze, and display diverse types of data on centralized, but access-distributed platforms, including custom GIS tools, management systems, and web-enabled applications. Data analysis is routinely performed in 3-D and 4-D environments for terrain and subsurface applications.
- *Cultural Resources Assessment* – At Tetra Tech NUS, GIS is utilized to analyze and portray historic and archaeological resources to evaluate potential project impacts and visual/aesthetic effects.
- *Site Selection / Project Impact Analyses* – Tetra Tech uses GIS to compile site-specific data and evaluate alternative locations and/or routes (e.g., transmission corridor analysis). Data are queried to identify locations that meet site selection criteria and rank sites based on environmental considerations.
- *Natural Resource Planning* – Tetra Tech develops and applies GIS methods to range planning, resource management and hazardous material control to improve decision making.
- *Migration Pattern Analysis* – Tetra Tech utilizes GIS and spatial databases to map chemical concentrations and physical parameters for site characterization, risk assessment, remedial system design, and cleanup operations.
- *Pollution Analysis* – Tetra Tech uses GIS as an interface to statistical and predictive models for delineation of groundwater flow, pollution plumes, and airflow patterns.
- *Emergency Preparedness Planning* – Tetra Tech uses GIS as a visual aid to assist in risk assessment communications, define possible land use scenarios, and address environmental concerns in specific communities or ecological systems; analyze potential exposure pathways; and integrate demographic data. Multiple layers of data can be combined to produce thematic maps, impact estimates, and evacuation studies.
- *Remote Sensing / Vegetation Analysis* – GIS is utilized at Tetra Tech for multispectral analysis and vegetation detection using remote sensing tools, including image analysis and classification of aerial photography and satellite imagery.
- *Database and Application Design / Management* – Tetra Tech develops fully integrated relational database/GIS applications using ESRI products, driven by SQL Server and Oracle database management systems. Tetra Tech implements web, desktop, tablet and mobile GIS products using a variety of software platforms, such as ArcGIS Server, ArcGIS Engine, ArcGIS Desktop, ArcPad and Google web-based APIs.

899-8 (and 899-8RC) – Remediation and Reclamation Services

Tetra Tech is a recognized leader in the hazardous waste remediation industry. We perform the full range of services required to remediate hazardous waste sites, and inactive waste sites. These have included site surveys, site investigations, risk assessments, feasibility studies, remedial design and engineering, remedial construction, site closure, and site restoration. Tetra Tech NUS's remediation services include:

- ✓ Brownfields redevelopment, including environmental site assessment and remedial action planning and implementation
- ✓ Hazardous materials management, including support for the permitting, manifesting, transporting, and disposing of hazardous waste off-site
- ✓ Remedial and removal action planning, including feasibility studies, records of decision, and environmental engineering and cost analyses
- ✓ Remedial and removal actions, including excavation and disposal of contaminated soil and design, installation, and operation of soil and groundwater remediation systems

- ✓ Identification, assessment, and design and implementation of emerging and innovative site characterization and remediation technologies
- ✓ Natural resource damage assessment and restoration
- ✓ Underground and aboveground oil storage tank removal and replacement
- ✓ Resource Conservation and Recovery Act (RCRA) facility investigations, and corrective measure selection and implementation
- ✓ Installation of monitoring wells, and long term monitoring/long term operation support
- ✓ Soil and groundwater testing
- ✓ Regulatory agency coordination, communication, and negotiation support
- **Remediation Technologies** - Tetra Tech has experience implementing the following technologies:
 - In Situ Biological Treatment
 - Bioventing
 - Enhanced Bioremediation
 - Phytoremediation
 - In Situ Physical/Chemical Treatment
 - Chemical Oxidation
 - Electrokinetic Separation
 - Fracturing
 - Soil Flushing
 - Soil Vapor Extraction
 - Solidification/Stabilization
 - In Situ Thermal Treatment
 - Thermal Treatment
 - Ex Situ Biological Treatment
 - Biopiles
 - Composting
 - Landfarming
 - Slurry Phase Biological Treatment
 - Ex Situ Physical/Chemical Treatment (Assuming Excavation)
 - Chemical Extraction
 - Chemical Reduction/Oxidation
 - Dehalogenation
 - Separation
 - Soil Washing
 - Solidification/Stabilization
 - Ex Situ Thermal Treatment (assuming excavation)
 - Hot Gas Decontamination
 - Incineration
 - Open Burn/Open Detonation
 - Pyrolysis
 - Thermal Desorption
 - Landfill Cap
 - Landfill Cap Enhancements/Alternatives
 - Other Treatment
 - Excavation, Retrieval, and Off-Site
- **Ground Water, Surface Water, and Leachate Treatment Technologies**
 - In Situ Biological Treatment
 - Enhanced Bioremediation
 - Monitored Natural Attenuation
 - Phytoremediation
 - In Situ Physical/Chemical Treatment
 - Air Sparging
 - Bioslurping
 - Chemical Oxidation
 - Directional Wells
 - Dual Phase Extraction

- Thermal Treatment
- Hydrofracturing Enhancements
- In-Well Air Stripping
- Passive/Reactive Treatment Walls
- Ex Situ Biological Treatment
 - Bioreactors
 - Constructed Wetlands
- Ex Situ Physical/Chemical Treatment (assuming pumping)
 - Adsorption/Absorption
 - Advanced Oxidation Processes
 - Air Stripping
 - Granulated Activated Carbon (GAC)/Liquid Phase Carbon Adsorption
 - Ground Water Pumping/Pump and Treat
 - Ion Exchange
 - Precipitation/Coagulation/Flocculation
 - Separation
 - Sprinkler Irrigation
- Containment
 - Physical Barriers
 - Deep Well Injection
- Air Emissions/Off-Gas Treatment
 - Biofiltration
 - High Energy Destruction
 - Membrane Separation
 - Oxidation
 - Scrubbers
 - Vapor Phase Carbon Adsorption
- **Excavation, Removal and Disposal of Hazardous Waste** - Tetra Tech perform the full range of services required to remediate hazardous waste sites, inactive waste sites, radioactive waste sites, and low-level radioactive waste sites. Our experience includes some of the largest and most challenging restoration projects nationwide. Services available for hazardous liquids, solids & sludge waste streams associated with power generations plants, distribution networks & service garages. Waste disposed include TSCA, PCB contaminated material equipment, pipe debris, waste waters from boiler or turbine blade cleaning processes, acid/caustic sludge from plant maintenance, spill cleanup waste streams, oil contaminated soils, and other hazardous materials.
- **Wetland Restoration** - Tetra Tech provides a complete range of service options for the preservation, enhancement, restoration, and creation of terrestrial and aquatic ecosystems. Our team of experienced restoration specialists provides expert restoration planning and design, permitting, implementation, and evaluation. We maximize the potential for ecological function and value in a cost-effective way by providing practical, innovative services for evaluating, restoring, and rehabilitating disturbed and degraded ecological resources.
- **Emergency Response Clean-Up** - Tetra Tech has provided emergency response and preparedness mission related to chemical or hazardous material releases, natural disasters, and man-made hazards, and has performed more than 1,000 emergency responses nationwide. Capabilities include land and water emergency spill response for petroleum and chemical products, hazardous materials, waste and bio-hazardous waste, disaster recovery and cleanup. Tetra Tech maintains a network of fully trained and experienced emergency response staff, able to provide 24-hour, seven-day-per-week response services. We also maintain a fleet of response vehicles and warehouses filled with specialized equipment and supplies. Tetra Tech workers have logged 12-hour shifts, seven days a week, for weeks at a time during major national emergencies. We have provided emergency response support for such incidents as industrial plant explosions, chemical fires, train derailments, oil spills, pipeline ruptures, clandestine drug laboratory operations, other hazardous materials releases, chemical and biological agent incidents, and natural disasters, such as floods and hurricanes.
- **UST/AST Removal Services** - Tetra Tech provides turnkey operations for underground storage tank (UST) and aboveground storage tank (AST) removal services. Tetra Tech has coordinated and managed UST/AST removals for a variety of federal, industrial and public sector clients. Services often include conducting interim activities and submitting UST/AST removal reports to regulatory agencies. Tetra Tech has removed hundreds of UST/AST nationwide. Tanks have been located in military, industrial and commercial sites, and airports. After a tank has been removed, soil and ground-water samples are collected and analyzed as required by state regulations. Samples are analyzed for benzene, toluene, ethyl benzene, xylene, lead, or polyaromatic hydrocarbons.
- **Air Monitoring** - Tetra Tech provides air consulting services for all aspects of air quality management to ensure compliance with local, state and federal requirements of the Clean Air Act (CAA). Services available preparation of several permits, prepare and negotiate permit terms and conditions, assistance in NESHAP, MACT and RMP standards in order to determine regulatory applicability and meet their complex requirements. Tetra Tech also prepares emission inventories, fee emission reports and other permit-required reports, air program audits and inspections, stack testing oversight, contractor review and preparation and/or review of testing bid specifications, as well as assisting with agency meetings and negotiations.
- **UXO** - Tetra Tech NUS's experts provide munitions response services, including the detection and disposal of munitions and explosives of concern (MEC) in the United States, internationally, and underwater. Tetra Tech continues to develop and implement new technologies and

approaches to improve the quality, reduce the cost, and increase the capacity of its munitions response services, establishing itself as a leading provider of safe, high-quality, affordable munitions response services. Tetra Tech has experience disposing of a variety of military munitions items including unexploded ordnance (UXO), discarded military munitions (DMM), propellants, fuzes, munitions constituents (MC), recovered chemical warfare materiel (RCWM), and other materials potentially presenting an explosive hazard (MPPEH) in varying degrees of viability.

- **Land Reclamation Services** - From brownfields revitalization to urban infill projects to ground-up development, Tetra Tech offers proven performance and state-of-practice services from acquisition due diligence through final permitting and construction oversight of site improvements. We have partnered on thousands of mixed-use, retail, commercial, residential, resort, and public facility projects, and we can provide integrated services that streamline the development process. We also provide planning, design, and construction services for development-related transportation projects that embrace smart-growth sustainable development principles.
- **Water Treatment** - Tetra Tech offers a complete line of water treatment turnkey services from RO media replacement & cleaning to temporary mobile water treatment systems to operating contracts, designed to help water treatment system operate efficiently. Our services include all aspects of water quality and quantity management, including water treatment facilities (membrane and reverse osmosis [RO] filtration, conventional treatment, disinfection), distribution systems including pipelines and pump stations, and water reuse.

Price List:

If the agency Contracting Officer chooses to purchase from these SINs on a labor hour basis, the resultant task/delivery order shall specify the not-to-exceed price, the labor category(ies) proposed (with the hourly rates for each), and any other direct costs (ODCs). Additional labor categories for SIN 899-8 (and 899-8RC) (on site remediation personnel) are listed in Table 2. The agency Contracting Officer will negotiate pricing of ODCs with the Tetra Tech Contracting Officer. Rates include .75% Industrial Funding Fee (IFF).

**Table 1. Price List/Labor Categories for Year 6 through 10.
Prices good 11/01/2007 thru 11/01/2012**

| Labor Category | Government Hourly Rate* | | | | |
|-----------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|
| | Year 6 11/01/2007 to 10/31/2008 | Year 7 11/01/2008 to 10/31/2009 | Year 8 11/01/2009 to 10/31/2010 | Year 9 11/01/2010 to 10/31/2011 | Year 10 11/01/2011 to 10/31/2012 |
| Senior Program/Project Manager | 180.57 | 186.89 | 193.43 | 200.20 | 207.20 |
| Mid-level Program/Project Manager | 155.50 | 160.95 | 166.58 | 172.41 | 178.44 |
| Project Manager | 133.94 | 138.63 | 143.48 | 148.50 | 153.70 |
| Scientist VII | 180.57 | 186.89 | 193.43 | 200.20 | 207.20 |
| Scientist VI | 155.50 | 160.95 | 166.58 | 172.41 | 178.44 |
| Scientist V | 133.94 | 138.63 | 143.48 | 148.50 | 153.70 |
| Scientist IV | 115.44 | 119.48 | 123.66 | 127.99 | 132.47 |
| Scientist III | 99.50 | 102.99 | 106.59 | 110.32 | 114.18 |
| Scientist II | 85.83 | 88.84 | 91.95 | 95.17 | 98.50 |
| Scientist I | 74.08 | 76.67 | 79.35 | 82.13 | 85.01 |
| Engineer VII | 180.57 | 186.89 | 193.43 | 200.20 | 207.20 |
| Engineer VI | 155.50 | 160.95 | 166.58 | 172.41 | 178.44 |
| Engineer V | 133.94 | 138.63 | 143.48 | 148.50 | 153.70 |
| Engineer IV | 115.44 | 119.48 | 123.66 | 127.99 | 132.47 |
| Engineer III | 99.50 | 102.99 | 106.59 | 110.32 | 114.18 |
| Engineer II | 85.83 | 88.84 | 91.95 | 95.17 | 98.50 |
| Engineer I | 74.08 | 76.67 | 79.35 | 82.13 | 85.01 |
| Professional Specialist VII | 133.94 | 138.63 | 143.48 | 148.50 | 153.70 |
| Professional Specialist VI | 115.44 | 119.48 | 123.66 | 127.99 | 132.47 |
| Professional Specialist V | 99.50 | 102.99 | 106.59 | 110.32 | 114.18 |
| Professional Specialist IV | 85.83 | 88.84 | 91.95 | 95.17 | 98.50 |
| Professional Specialist III | 74.08 | 76.67 | 79.35 | 82.13 | 85.01 |
| Professional Specialist II | 63.95 | 66.19 | 68.51 | 70.91 | 73.39 |
| Professional Specialist I | 55.30 | 57.23 | 59.24 | 61.31 | 63.46 |
| Administrative Support VI | 63.42 | 65.64 | 67.94 | 70.32 | 72.78 |
| Administrative Support V | 56.06 | 58.02 | 60.05 | 62.15 | 64.33 |
| Administrative Support IV | 49.56 | 51.29 | 53.09 | 54.95 | 56.87 |
| Administrative Support III | 43.84 | 45.38 | 46.97 | 48.61 | 50.31 |
| Administrative Support II | 38.84 | 40.20 | 41.61 | 43.07 | 44.57 |
| Administrative Support I | 34.41 | 35.62 | 36.86 | 38.15 | 39.49 |

*The rates for each year are effective beginning November 1st of that year and continuing through October 31st of the following year.

**Table 2. Additional Labor for SIN 899-8 (and 899-8RC) Remediation Personnel.
Prices good 11/01/2007 thru 11/01/2012**

| Labor Category | Government Hourly Rate* | | | | |
|--------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|
| | Year 6 11/01/2007 to 10/31/2008 | Year 7 11/01/2008 to 10/31/2009 | Year 8 11/01/2009 to 10/31/2010 | Year 9 11/01/2010 to 10/31/2011 | Year 10 11/01/2011 to 10/31/2012 |
| Construction Project Manager | 95.52 | 98.86 | 102.32 | 105.91 | 109.61 |
| Field Superintendent | 88.40 | 91.49 | 94.70 | 98.01 | 101.44 |
| Supervisor | 64.95 | 67.22 | 69.57 | 72.01 | 74.53 |
| Transportation/Disposal Coord. | 41.76 | 43.22 | 44.74 | 46.30 | 47.92 |
| Foreman | 46.89 | 48.54 | 50.23 | 51.99 | 53.81 |
| Mechanic | 41.57 | 43.02 | 44.53 | 46.09 | 47.70 |
| Welder | 41.19 | 42.63 | 44.13 | 45.67 | 47.27 |
| Electrician | 61.11 | 63.25 | 65.46 | 67.75 | 70.12 |
| Equipment Operator | 50.33 | 52.09 | 53.92 | 55.81 | 57.76 |
| Carpenter | 48.41 | 50.10 | 51.86 | 53.67 | 55.55 |
| Truck Driver | 42.16 | 43.64 | 45.16 | 46.74 | 48.38 |
| Lead Recovery Tech. (Laborer) | 43.53 | 45.05 | 46.63 | 48.26 | 49.95 |
| Clerk | 34.87 | 36.09 | 37.35 | 38.66 | 40.02 |

*The rates for each year are effective beginning November 1st of that year and continuing through October 31st of the following year.

Labor Category Descriptions:

| Labor Category | Description |
|--|---|
| Senior Program Manager/ Project Manager | Responsible for overall management direction and coordination of a project for multiple tasks and locations. Has profit and loss responsibility, performance goals, client satisfaction, cost and quality control. Typically requires an advance degree and at least 10-12 years of experience. |
| Mid-level Program/ Project Manager | Responsible for all personnel, scheduling, coordination of daily tasks, field activities in a single location. Responsibilities include customer relations, operations and related activities; has profit and loss responsibility. Typically requires a MS degree in engineering and 8-10 years of experience. |
| Project Manager | Responsible for all personnel, scheduling, coordination of daily tasks, field activities in a single location. Responsibilities include customer relations, operations and related activities; has profit and loss responsibility. Typically requires a MS degree in engineering and 6 years of experience. |
| Scientist VII | Is a recognized expert in the field of practice. Responsible for planning and conducting science studies, analysis on projects. Serves as technical project leader; ensures technical accuracy on all project assignments. May supervise or direct work assignments for lower level scientists. Typically requires a MS or Ph.D. degree plus 15 or more years of experience and supervisory responsibilities. |

Labor Category Descriptions:

| Labor Category | Description |
|----------------|---|
| Scientist VI | Is a recognized expert in the field of practice. Responsible for planning and conducting science studies, analysis on projects. Serves as technical project leader; ensures technical accuracy on all project assignments. May supervise or direct work assignments for lower level scientists. Typically requires a MS or Ph.D. degree plus 12 or more years of experience and supervisory responsibilities. |
| Scientist V | Is a recognized expert in the field of practice. Responsible for planning and conducting science studies, analysis on projects. Serves as technical project leader; ensures technical accuracy on all project assignments. May supervise or direct work assignments for lower level scientists. Typically requires a MS or Ph.D. degree plus 10 or more years of experience and supervisory responsibilities. |
| Scientist IV | Is a scientist in the respective field of practice. Responsible for planning and conducting science studies, analysis on projects. Serves as technical project leader; ensures technical accuracy on all project assignments. May supervise or direct work assignments for lower level scientists. Typically requires a BS degree plus 8 or more years of experience and supervisory responsibilities. |
| Scientist III | Performs non-routine assignments related to science projects of substantial variety and complexity. Compiles and computes a variety of data. May analyze test data, develop or prepare descriptive charts, figures, or matrices; test specifications or make recommendations regarding these items. May be assisted by lower level scientists. Typically requires a BS degree and a minimum of 8 years of experience, or an MS degree plus 5 years of experience. |
| Scientist II | Under general supervision, performs all the tasks of Scientist I, and is able to analyze and interpret data. Is able to accurately describe and provide technical support involving scientific services. Typically requires a BS degree in science field or related specialty and has a minimum of 3 years of experience. |
| Scientist I | Under close supervision, performs general scientific assignments. This is an entry-level position typically requiring a BA degree in a science field or equivalent and a minimum 0 to 3 years of experience. |
| Engineer VII | Serves as a technical leader / supervisor for engineering projects of large scope and complexity and is an expert in the field. May supervise or direct the work activities of engineers and technicians. Typically requires an advanced degree or Ph.D. in engineering, registration as a Professional Engineer, and 10 or more years of experience. May have project management and task order delivery responsibility. |
| Engineer VI | Serves as a technical leader / supervisor for engineering projects of large scope and complexity and is an expert in the field. May supervise or direct the work activities of engineers and technicians. Typically requires an advanced degree or Ph.D. in engineering, registration as a Professional Engineer, and 8 or more years of experience. May have project management and task order delivery responsibility. |
| Engineer V | Serves as a technical leader for engineering projects of large scope and complexity as an expert in the field. May supervise or direct the work activities of lower level engineers and technicians. Typically requires an advanced degree or Ph.D. in engineering, registration as a Professional Engineer, and 8 or more years of experience. May occasionally have project management responsibility. |

Labor Category Descriptions:

| Labor Category | Description |
|-----------------------------|--|
| Engineer IV | For engineering projects of moderate scope and complexity, independently develops programs, plans and specifications for engineering projects. Typically requires a BS in engineering, MS is preferable and a registration as a Professional Engineer, and a minimum of 8 years of experience. |
| Engineer III | For projects of moderate scope and complexity, independently develops programs, plans and specifications for engineering projects. Typically requires a BS in engineering, MS in engineering preferable and a registration as a Professional Engineer, and a minimum of 8 years of experience. |
| Engineer II | Under general direction, prepares programs, plans and specifications for engineering projects. May work independently on projects or assists senior engineers on projects of greater scope or complexity. Requires a BS degree in engineering, minimum of 5 years of experience, and may have EIT certification. |
| Engineer I | Under general supervision, prepares program and plan specifications for engineering projects. Identifies and develops approaches and plans to remedy issues within engineering design and analysis projects. Requires a BS in engineering, a minimum of 2 years experience and may have EIT certification. |
| Professional Specialist VII | Highest level of consultant/technical expert within field of practice. May supervise or direct work assignments for lower level personnel. Typically requires a BS degree, MS degree is preferable plus 10 or more years of experience and supervisory capability. |
| Professional Specialist VI | Relevant experience includes, but is not limited to, substantial knowledge of analytical techniques, experience in gathering data to solve complex technical problems (e.g., requirements definition, operations research, modeling), and team leader responsibilities. Duties may include analysis of complex problems, definition of functional requirements, operations research, modeling, process analysis and design, developing and providing training materials, and providing daily supervision. Requires a BS degree, MS preferable and ten 10 or more years experience. |
| Professional Specialist V | Is a recognized expert in the field of practice. Responsible for planning and conducting projects. Serves as technical project leader; ensures technical accuracy on all project assignments. May supervise or direct work assignments for lower level personnel. Typically requires a BS degree plus 10 or more years of experience and supervisory responsibilities. MS degree is preferable. |
| Professional Specialist IV | Performs non-routine and complex assignments involving responsibility for planning and conducting a complete project. May direct and supervise lower level personnel. Typically requires a BS and minimum of 8 years of experience. |
| Professional Specialist III | Performs non-routine assignments of substantial variety and complexity. Compiles and computes a variety of data. May be assisted by lower level technicians. Typically requires a BS degree and a minimum of 5 years experience. |
| Professional Specialist II | Under general supervision, evaluates, selects, and applies standard techniques, procedures, and criteria related to field of practice. Typically requires a BS degree and a minimum of 3 years of experience. |
| Professional Specialist I | Entry-level position performs simple routine tasks under close supervision within field of practice. Typically requires a BS degree and a minimum of 0 to 3 years of experience. |

Labor Category Descriptions:

| Labor Category | Description |
|----------------------------|---|
| Administrative Support VI | Requires a high school diploma and twelve (12) years applicable experience with an associate's degree preferable. Maintains records and other files, prepares and edits routine correspondence, assists in the preparation of presentation graphics, schedules meetings, and schedules and coordinates travel. Supports the development of contract deliverables and reports by developing and updating graphic presentations to improve the quality and enhance the usability of these documents. Assists with conducting investigations related to program planning requirements. Assists with preparation and submission of reports on a recurring basis. Extensive knowledge of company and customer policies and procedures. |
| Administrative Support V | Requires a high school diploma and nine (9) years applicable experience with an Associate's degree preferable. Maintains records and other files, prepares and edits routine correspondence, assists in the preparation of presentation graphics, schedules meetings, and schedules and coordinates travel. Supports the development of contract deliverables and reports by developing and updating graphic presentations to improve the quality and enhance the usability of these documents. Assists with conducting investigations related to program planning requirements. Assists with preparation and submission of reports on a recurring basis. Extensive knowledge of company and customer policies and procedures. |
| Administrative Support IV | Requires a high school diploma and seven (7) years applicable experience. Maintains records and other files, prepares and edits routine correspondence, assists in the preparation of presentation graphics, schedules meetings, and schedules and coordinates travel. Supports the development of contract deliverables and reports by developing and updating graphic presentations to improve the quality and enhance the usability of these documents. Assists with conducting investigations related to program planning requirements. Assists with preparation and submission of reports on a recurring basis. Extensive knowledge of company and customer policies and procedures. |
| Administrative Support III | Requires a high school diploma and four (4) years of direct or related experience with an Associate's degree preferable performing one or more of the following tasks: Produces data to develop financial forecasts and other financial reporting. Assists with preparation of financial forecasts and other financial reporting. Assists with conducting investigations related to program planning requirements. Assists with preparation and submission of reports on a recurring basis. |
| Administrative Support II | Requires a high school diploma and four (3) years applicable experience maintaining records and other files. Prepares and edits routine correspondence, assists in the preparation of presentation graphics, schedules meetings, and schedules and coordinates travel. Supports the development of contract deliverables and reports by developing and updating graphic presentations to improve the quality and enhance the usability of these documents. Extensive knowledge of company and customer policies and procedures. |
| Administrative Support I | Requires high school diploma and one (1) year experience. Relevant experience includes, but is not limited to, clerk/assistant type work. |

Additional information can be found directly from the contractor, please click on the link below to order directly.

Contractor: [Tetra Tech, Inc.](#) [GS-10F-0062N]