

MEC^X, LLC

GSA Catalog of Services

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1.1 Company Information

MECX, L L C

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1.2 Contract Information

Contract Number: GS-10F-0328R
Schedule #: 899 Environmental Advisory Services

Engineering Services

MECX offers consulting, engineering, remediation and scientific services to the federal government, municipalities, industry, and commercial entities. MECX has successfully and consistently shown its commitment to excellence, responsiveness, safety and delivery of technically sound environmental solutions driven by client needs. Thus, MECX personnel take an active interest in understanding our client's business needs.

SIN #: 899 2 Environmental Consulting

Environmental Audits

MECX can provide teams of professional environmental compliance auditors to provide 3rd party auditing of facilities. The audits included air programs, water programs, pesticide programs, solid and medical waste, hazardous substances and chemicals, hazardous waste, environmental response, emergency planning and community Right-to-Know programs, HazMat Transportation, cultural resource management, natural resource management, storage tank programs, petroleum, oil and lubricant (POL) management and toxic substances.

Compliance audits followed the audit methodology guidance found in ISO 19011, Guidelines for Quality and Environmental Management Systems Auditing. Additionally, audits were based on the U.S. TEAM Guide and its State Supplements as produced by the Engineering Research and Development Center (ERDC), Construction Engineering Research Laboratory (CERL) of the Army Corp of Engineers.

Chemistry Consulting

MECX's environmental chemistry consulting staff has supported environmental site investigations, remedial programs, risk assessments and environmental litigation cases since the mid-1980s. We have direct experience with sample collection, environmental laboratory analyses, project management, data validation and data interpretation and defense. MECX environmental chemists have supported a wide range of clients in the following areas: Project Planning and Development, Project Execution, Chemistry and Data Quality Related Services, and Laboratory Program Management.

Compliance Assistance

MECX can perform spill prevention control and countermeasure (SPCC) compliance inspections and prepared SPCC plans as a follow up to the compliance audits. Under the responsible care of a MECX Professional Engineer(s) registered in 26 States, a comprehensive SPCC plan can be prepared in accordance with the current 40 CFR 112 guidelines. These plans include industry-accepted best-management practices for oil storage facilities and required recordkeeping sections. MECX personnel utilized AutoCAD to create detailed site plans which include all of regulatory-required plan features.

SIN #: 899 8 Remediation Services

Remediation Capabilities

MECX understands that thorough and careful planning and execution is critical to obtaining regulatory closure of contaminated sites. MECX personnel have extensive experience conducting remedial investigations, performing feasibility studies, performing treatability studies/pilot tests, managing remedial design and construction projects, operating and monitoring the progress of remedial systems, negotiating site cleanup objectives and obtaining closure from regulatory agencies. MECX has unique proven expertise in designing, installing and operating innovative remedial approaches to treat soil, sludge, groundwater and wastewater. MECX’s specialties are in innovative oxidation designs including In-Situ chemical oxidation (ISCO), engineered excavations and enhance soil vapor extraction systems.

1.3 Company Overview

MECX, LLC, (MECX) is a world-renown technology-based team of solution providers. We offer consulting, engineering, remediation and scientific services to industrial, commercial and governmental organizations. MECX has successfully and consistently shown its commitment to excellence, responsiveness, safety and delivery of technically sound environmental solutions driven by client needs. Thus, MECX personnel take an active interest in understanding our client’s business needs and objectives.

MECX specilizes in a wide variety of in-situ remediation technologies for the remediation of saturated soil and groundwater. We bundle appropriate technologies to cost-effectively and rapidly remediate affected subsurface regions. Our technologies are applicable for in-situ remediation of organic contamination by fuels, solvents (chlorinated and non-chlorinated) and pesticides. Our oxidation technologies oxidize contaminants to carbon dioxide and water through application methods that cost significantly less than conventional in-situ environmental remediation technologies.

MECX is also highly specialized in in-door air quality assessments (including mold/mildew, asbestos and radon) and due diligence processes.

By successfully bundling our technologies with our strategic alliance partner’s technologies, MECX is able to provide an enhanced total package of unique and innovative environmental remediation solutions.

1.4 Terms and Conditions

Task Order Amount
\$100-\$199K

Discounts
1%

\$200-\$299K	2%
\$300-\$399K	3%
\$400-\$499K	4%
\$500+	5%
Payment in 10 days or less	1%

1.5 Labor Categories and Descriptions

Category	Descriptions
Principal	MECX's principals each have over 20 years experience in engineering and environmental remediation. MECX principals are registered professional engineers and are committed to doing whatever it takes to get the job done.
Project Manager	The project managers at MECX are highly efficient at facilitating the delivery of on-time, cost-effective solutions which meet or exceed client's needs and expectations. MECX project managers have 5-20 years of management experience.
Engineer	MECX has a staff of multi-disciplined engineers to cover a broad array of project assignments from design to bench-scale testing to full implementation. MECX has 5 registered professional engineers, who hold licenses in over 30 states.
Scientist	MECX has a broad array of scientists; chemists, geologists, database managers, wildlife ecologists, and environmental scientists, with specific expertise in remediation, site investigation, Phase I and Phase II site assessment, regulatory compliance, quality assurance and data validation who compliment the engineering and project management staff in executing project specifications.
Air Monitoring Technician	Air monitoring technicians are available to collect a variety of samples including asbestos, mold and indoor air quality samples.
Administrative Assistant	MECX administrative staff support project managers, engineers, and scientists in producing letters, reports, spreadsheets, documents, and organized files so the technical staff can focus on the technical aspect of the projects.

1.6 Labor Rate Schedule

Category	GSA Hourly Rate
Principal	135

Project Manager V	130
Project Manager IV	125
Project Manager III	120
Project Manager II	115
Project Manager I	105
Engineer V	95
Scientist V	95
Engineer IV	85
Scientist IV	85
Engineer III	75
Scientist III	75
Engineer II	65
Scientist II	65
Engineer I	55
Scientist I	55
Air Monitoring Technician	45
Sr. Administrative Assistant	45

1.7 Equipment Rate Schedule

Item	Units	Unit Cost			
		Days	Weeks	Months	Each
MISCELLANEOUS					
PID/FID	day/wk/month	\$100	\$400	\$1,400	\$0
XRF	day	\$250	\$0	\$0	\$0
Misc. Expendable Supplies	day/wk/month	\$50	\$200	\$700	\$0
Ice	each	\$0	\$0	\$0	\$2
Hydrating Fluids	day/wk/month	\$20	\$80	\$320	\$0
Disposable Gloves	each	\$0	\$0	\$0	\$20
Paper Towels	each	\$0	\$0	\$0	\$2
Drum	each	\$0	\$0	\$0	\$60
Digital Camera	day/wk/month	\$20	\$80	\$350	\$0
Confined Space Entry Eq.	day/wk/month	\$70	\$280	\$980	\$0
Draeger Kit	day/wk/month	\$55	\$220	\$770	\$0
LEL Meter	day/wk/month	\$15	\$60	\$210	\$0
Caution Tape/Roll	each	\$0	\$0	\$0	\$30
Alconox	each	\$0	\$0	\$0	\$15
Deionized Water/Gallon	each	\$0	\$0	\$0	\$2
Disposable Tubing-50 ft	each	\$0	\$0	\$0	\$75
Duct Tape Roll	each	\$0	\$0	\$0	\$8
Field Log Book	each	\$0	\$0	\$0	\$10
First Aid Kit	each	\$0	\$0	\$0	\$30

Flags (set of 100)	each	\$0	\$0	\$0	\$15
Foil/Roll	each	\$0	\$0	\$0	\$5
Garbage Bags/Box	each	\$0	\$0	\$0	\$15
Poly Lining 50' Roll	each	\$0	\$0	\$0	\$35
Personal Protective Eq/Person	day/wk/month	\$30	\$120	\$420	\$0
Walkie Talkie Set	day/wk/month	\$20	\$80	\$280	\$0
100' Poly Rope	each	\$0	\$0	\$0	\$5
Work Gloves	each pair	\$0	\$0	\$0	\$20
Decon (soap, buckets, brushes)	each	\$0	\$0	\$0	\$10
Safety Signs	each project	\$0	\$0	\$0	\$50
Rain Suit	each	\$0	\$0	\$0	\$40
Tarp (10' x 10')	each	\$0	\$0	\$0	\$20
GROUNDWATER					
Water Sampling Kit	day	\$300	\$0	\$0	\$0
Level indicator	day/wk/month	\$35	\$140	\$490	\$0
Disposable Bailer	each	\$0	\$0	\$0	\$10
Well Pump	day/wk/month	\$80	\$320	\$1,120	\$0
2-inch slug	day/wk/month	\$25	\$100	\$350	\$0
Troll Data Logger	day/wk/month	\$150	\$600	\$2,100	\$0
pH Meter	day/wk/month	\$20	\$80	\$280	\$0
Salinity/Temp/Cond. Meter	day/wk/month	\$50	\$200	\$700	\$0
SOIL					
Mini-RAM	day/wk/month	\$75	\$300	\$1,050	\$0
Hammer drill	day/wk/month	\$100	\$400	\$1,400	\$0
Soil Sampling Kit	day	\$80	\$0	\$0	\$0
Soil Color Chart	day/wk/month	\$5	\$20	\$70	\$0
IAQ					
A.C. Refill	each	\$0	\$0	\$0	\$320
High Volume Air Pump	day/wk/month	\$10	\$36	\$126	\$0
Low Volume Air Pump	day/wk/month	\$12.50	\$50	\$175	\$0
Air Sampling Kit	day/wk/month	\$20	\$0	\$0	\$0
Microscope Kit	day/wk/month	\$100	\$400	\$1,400	\$0
Asbestos Bulk Sample Kit	day/wk/month	\$40	\$160	\$560	\$0
IAQ Meter	day	\$175	\$0	\$0	\$0
Moisture Meter	day	\$50	\$0	\$0	\$0
SVE					
SVE Blowers	day/wk/month	\$150	\$600	\$2,000	\$0
Magnahelic Guages	day/wk/month	\$10	\$40	\$140	\$0
Anemometer	day/wk/month	\$10	\$40	\$140	\$0
Velocity Meter	day/wk/month	\$50	\$200	\$700	\$0
CO ₂ Meter	day/wk/month	\$40	\$160	\$560	\$0

ISCO					
DO Meter	day/wk/month	\$20	\$80	\$280	\$0
Gas Fueled Generator	day/wk/month	\$55	\$220	\$770	\$0
YSI Combination Meter	day/wk/month	\$100	\$400	\$1,400	\$0
Well-Head Assembly (In Use)	(day/wk/month) / wellhead	\$15	\$60	\$210	\$0
5-Port Manifold (In Use)	(day/wk/month) / manifold	\$20	\$80	\$280	\$0
Well-Head Assembly (Standby)	(day/wk/month) / wellhead	\$8	\$35	\$115	\$0
5-Port Manifold (Standby)	(day/wk/month) / manifold	\$10	\$40	\$140	\$0
10' Section of PVC Lance	each	\$0	\$0	\$0	\$5
Drum Pump and Hoses	day/wk/month	\$20	\$80	\$280	\$0
Air Compressors	day/wk/month	\$25	\$100	\$350	\$0
Elec. Drum Mixer & Drum	day/wk/month	\$20	\$80	\$280	\$0
Mobile Mini Reagent Storage	day/wk/month	\$0	\$0	\$500	\$0
Drum Dolly/Hand Truck	day/wk/month	\$15	\$60	\$210	\$0
ISCO Tools	day/wk/month	\$25	\$100	\$350	\$0
MECX Van	day/wk/month	\$120	\$600	\$2,100	\$0
Clothes/per person/project	each person/project	\$0	\$0	\$0	\$50
ISCO Trailer	day/wk/month	\$80	\$320	\$1,120	\$0
Equipment Box for Shipping/Storage	each	\$0	\$0	\$0	\$120
Water Hose	each	\$0	\$0	\$0	\$40
Electric Extension Cord	each	\$0	\$0	\$0	\$15
Tanker Truck Rental	month	\$0	\$0	\$1,000	\$0
Bulk Delivery Pump	month	\$0	\$0	\$1,000	\$0
Mis Bulk Delivery Equipment	month	\$0	\$0	\$1,000	\$0
Thermocoupler/Connectors	each	\$0	\$0	\$0	\$50
100' Thermocoupler Wire	each	\$0	\$0	\$0	\$20
Thermocoupler Data Logger	each project	\$0	\$0	\$0	\$550
EZ-Up Shelter	day/wk/month	\$25	\$120	\$350	\$0
Peroxide Hydrometer	day/wk/month	\$4	\$20	\$75	\$0
Perimeter Fencing	day/wk/month	\$20	\$100	\$350	\$0
Sand	each 50 lb bag	\$0	\$0	\$0	\$3
Reflux Containment	application well	\$0	\$0	\$0	\$10
1" Reinforced Hose	per linear foot	\$0	\$0	\$0	\$2.50
Fire Hose Rental	100' section	\$30	\$150	\$450	\$0
Fire-Hose Adapters	set	\$0	\$0	\$0	\$150

Power Inverter (750 W)	each	\$10	\$60	\$200	\$0
Battery Pack for Scanner	each	\$0	\$0	\$0	\$350
Riser & quick connect (sacrificed)	each	\$0	\$0	\$0	\$75
Drum Hydrogen Peroxide (35%)	50 gal @ 35%	\$0	\$0	\$0	\$260
Bulk Hydrogen Peroxide (17.5%)	lb @ 17.5%	\$0	\$0	\$0	\$0.20
Bulk Hydrogen Peroxide (35%)	lb @ 35%	\$0	\$0	\$0	\$0.30
Ferrous Sulfate	50 lb bag	\$0	\$0	\$0	\$15
Hydrochloric Acid	1 gal @ 31%	\$0	\$0	\$0	\$5
Sodium Persulfate	55 lb bag	\$0	\$0	\$0	\$100
Calcium Dioxide/Permeox	Lb.	\$0	\$0	\$0	\$10