ATTACHMENT A

ENVIRONMENTAL SERVICES CONTRACT
COST SHEET

COST SHEET

Vendors shall list rates for staff and resources on the following pages. Vendor selection will be based, in part, on overall capabilities. KDHE encourages all interested Vendors to be as inclusive as possible to indicate a better representation of their capabilities and allow KDHE to provide a more objective review.

Because of the nature of the projected scopes of work to be performed under this contract, at a minimum, the Vendor will be required to complete all line items in Sections 1 through 5 of this Attachment, unless otherwise indicated ("*"), in order for a review to be performed. The Vendor may complete Sections 6 through 8 as applicable for the corresponding request for proposal (RFP) module or modules they choose to bid. However, if a Vendor chooses to bid only on Module C: Risk Assessment, Section 8 of Attachment A will be the only requirement.

1. Labor classifications

The Vendor shall state a firm, fixed price per hour for the following labor classifications:

- Professional 5 Associate Level (contract management, associate level review of projects)
- Professional 4 Senior Level (senior project management, licensed professional engineer, licensed professional geologist)
- Professional 3 Design Level (design engineer)
- Professional 2 Project Level (project manager, project geologist)
- Professional 1 Staff Level (staff engineer, field geologist, environmental scientist, health and safety supervisor)
- Technical 4 Senior Technician (construction foreman, sr. environmental technician)
- Technical 3 Technician (environmental technician, remediation technician)
- Technical 2 Drafting/CAD (draftsman)
- Technical 1 Clerical

Labor rates shall be inclusive of all overhead charges, administrative costs and profit. For staff performing field activities, labor rates shall further include Level D PPE. Rates will be listed for actual staff employed by the Vendor at the time of the bid submission.

CLASSIFICATION	RATES PER HOUR			
	INITIAL 2 YEARS	OPTION YEAR 3	OPTION YEAR 4	OPTION YEAR 5
Professional 5	$145.00	$151.00	$154.00	$158.50
Professional 4	$145.00	$151.00	$154.00	$158.50
Professional 3	$120.00	$125.00	$127.50	$131.00
Professional 2	$70.00	$75.00	$75.00	$75.00
Professional 1	$60.00	$65.00	$65.00	$65.00
Technical 4	$55.00	$60.00	$60.00	$60.00
Technical 3	$50.00	$50.00	$50.00	$50.00
Technical 2	$45.00	$45.00	$45.00	$45.00
Technical 1	$35.00	$35.00	$35.00	$35.00

A statement of qualification shall be provided for each staff member associated with a particular classification(s). Licensed Professionals must meet the State of Kansas Board of Technical Professions requirements. All other professionals, at a minimum, shall have a bachelor's degree in an environmental field of study to be considered a "Professional." The official station location must also be defined for each

staff member. For personnel and equipment mobilizations from out of state, reimbursement for travel time and mileage is expected to begin at the office closest to the site unless approved by KDHE.

KDHE shall reimburse on a "straight time" basis, therefore the Vendor should schedule to minimize overtime liabilities. The minimum time increment claimed for reimbursement shall be one quarter of an hour.

KDHE shall reimburse for the scope of work performed, not by the Vendor's staff title. For example, the same staff member may perform Project Geologist work to coordinate all project activities, perform site supervision as a Field Geologist and collect groundwater samples as an Environmental Technician. This staff member would bill hours at three different labor rates as defined above. Another example would be a licensed Engineer who bills at Design Engineer rates for remedial system design and as a Staff Engineer while performing routine field activities.

1.1 Per Diem

The Vendor shall state a firm, fixed price per diem for a single person as well as multi person drill crews. Lodging, food, and expenses shall be included in the per diem rate. Per diem is only applicable if an overnight stay is required. The per diem rate also applies to any subcontractors as indicated below.

VENDOR	RATE PER DAY
Single Person	$150.00
SUBCONTRACTOR	**RATE PER DAY**
Single Person	$160.00
Two Person Field Crew	$300.00
Three Person Field Crew* (optional)	$ nb

There will be no labor charge for standby when it is necessary for a Vendor to remain on site, e.g., over the weekend. KDHE assumes that once site activities are initiated, work will continue onsite until completed. If work activities on long term projects must be interrupted for weekends, additional mobilizations will not be allowed without prior agreement and approval by KDHE. Per diem rates will be in effect. Lodging receipts will be required if per diem is requested.

2. Equipment rental and material supply

The Vendor shall state a firm, fixed price per hour, per day, per week, per month and/or per mile as specified for the equipment and materials listed in this attachment. The Vendor is expected to stock standard equipment normally used to complete the tasks and activities identified in this RFP. Any overhead charges or pass-through costs must be built into the line item rates.

Miscellaneous supplies and minor items of equipment are considered to be part of the Vendor's inventory to perform business and are not considered reimbursable. In order for miscellaneous supplies to be considered for reimbursement, prior approval must be received in writing from the KDHE Ordering Officer and the item purchased will be reimbursed for cost plus the applicable surcharge rate described below. Detailed (itemized and dated) invoices must be submitted for KDHE to consider reimbursement for any item purchase.

The listing of equipment and material on the following pages may be expanded by KDHE depending on site requirements. The Vendor may also submit a supplemental listing of equipment available that may be applicable to perform work outlined in this RFP. Any supplement equipment listing provided must include line items rates.

The Vendor must ensure that all equipment (rented or owned by the Vendor) is in proper working order prior to mobilization to a site. KDHE will not pay labor, travel costs, or per diem in situations where the Vendor arrives at a site with equipment that is not in proper working order.

Equipment or other items not listed in the below line items will be reimbursed at cost plus the following surcharge rates. The surcharge rate will be applied to the project total not on individual line items. The Vendor shall obtain a minimum of three written bids for purchases made or subcontracted that are in excess of $500.00 per item, unless otherwise specified by KDHE in the specific work request. A detailed invoice for all rental equipment must be submitted to KDHE for reimbursement consideration.

SURCHARGE DESCRIPTION	SURCHARGE PERCENTAGE
Items less than $5,000	10%
Items between $5,000 and $25,000	8%
Items greater than $25,000	6%

Prices listed in this attachment represent not to exceed amounts. The Vendor may utilize lower line item costs when preparing proposals for specific scopes of work. If a lower line item amount is awarded with a proposal, that amount will represent the maximum allowable reimbursement.

SUPPORT VEHICLE	COST PER MILE	COST PER DAY	COST PER WEEK
Automobile	$0.60	$60.00	$300.00
Light Duty Pickup	$0.70	$70.00	$400.00
Heavy Duty Pickup[1]	$0.80	$80.00	$500.00
	$	$	$
	$	$	$

[1] - *¾ ton or larger and includes use of a trailer.*

Support vehicle rates quoted above shall include all maintenance, fuel, insurance and incidental fees and charges such as parking and tolls. The Vendors will be reimbursed a daily or weekly vehicle use rate plus mileage. Daily and weekly use rates shall include local mileage while performing the job duties. Mileage will be reimbursed for mobilization from the official station of the vehicle to and from the job site according to Google® Maps or similar mapping tool.

PROTECTIVE CLOTHING	COST PER PERSON PER DAY
Level A	$2,000.00
Level B	$800.00
Level C	$100.00

Note: Costs associated with Level D PPE shall be covered with the labor rates and per well sampling costs.

EQUIPMENT RATE	COST PER DAY	COST PER WEEK	COST PER MONTH
Drum (55 gallon)	$50.00	$50.00	$50.00
Photoionization Detector (10.2 to 11.6 eV)	$75.00	$375.00	$1500.00
X-Ray Fluorescence (XRF) Analyzer	$550.00	$1600.00	$6500.00
LEL Meter	$75.00	$375.00	$1500.00
Dissolved Oxygen Meter	$75.00	$375.00	$1500.00
Oxygen/Carbon Dioxide Meter(s)	$75.00	$375.00	$1500.00
Colorimetric Tube Pump	$15.00	$75.00	$300.00
GAC Drum	$850.00	$NA	$NA

Purchase-only Equipment	COST	COST	
Colorimetric Tubes	PER TUBE	PER BOX OF 10	
Draeger Tubes, CO_2	$4.00	$40.00	
Draeger Tubes, O_2	$4.00	$40.00	
Draeger Tubes, TPH	$4.00	$40.00	
Tedlar Bags	$16.00	160.00	
Drum (55 gallon)	$55.00	NA	

Well sampling	COST
Non-dedicated Standard Well Sampling Equipment[1] (disposable bailers, line, gloves, etc.)	$____85.00_____PER WELL
Non-dedicated Low-Flow Well Sampling Equipment[1] (tubing, pump, meters, gloves, etc.)	$___150.00_____PER WELL
Well Sampling w/Hydrasleeves and Supplies (gloves, line, etc.)	$____120.00_____PER WELL
Well Sampling Supplies w/Dedicated Equipment* (gloves, etc.)	$__70.00_____PER WELL

1 - Well sampling equipment rates shall include electronic water level indicator, interface probe, submersible pumps, peristaltic pumps, bladder pumps, tubing, and filters as necessary. Rates above also include ice, coolers, sample containers, etc. that may not be covered with the analytical costs.

MISCELLANEOUS ITEMS*	COST PER DAY	COST PER WEEK	COST PER MONTH	PURCHASE
20 ft. absorbent booms	$NA	$NA	$NA	$200.00
Over Pack drums	$NA	$NA	$NA	$325.00
Decon trough	$150.00	$500.00	$NA	$NA
SVE blower	$75.00	$300.00	$1000.00	$NA
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$

*OPTIONAL EQUIPMENT RATES – Includes mobilization and labor

HEAVY EQUIPMENT*	COST PER HOUR	COST PER DAY	COST PER WEEK
Bobcat*	$230.00	$350.00	$1500.00
Back Hoe*	$300.00	$600.00	$1600.00
Grader*	$350.00	$700.00	$1800.00
Dump Truck*	$	$	$
Vacuum Truck*	$	$	$
Tanker Truck*	$	$	$
Frac Tank*	$	$	$

* = Optional bid item

3. Sampling and Analysis

3.1 Laboratory Analysis

All analysis must be performed by a laboratory with current certification from the Kansas Health and Environment Laboratory (KHEL) Certification Program for those parameters which KDHE offers certification (see Attachment E).

The analytical costs proposed shall be inclusive of all material costs associated with collection, preservation, transportation, analysis, and sample disposal (e.g., sample containers, bags, ice, coolers, shipping costs, etc.). Line item costs must include any markup costs for subcontracting.

PARAMETER	MATRIX	METHOD	TURNAROUND TIME				
			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY
HAZARDOUS WASTE CHARACTERIZATION (SW-846)							
Flash Point	Soil/Water	1010	$80.00	$80.00	$60.00	$40.00	$40.00
	Soil/Water	1020A	$80.00	$80.00	$60.00	$40.00	$40.00
Corrosivity, pH	Water	9040B	$20.00	$20.00	$15.00	$10.00	$10.00
Corrosivity, pH	Soil/Waste	9045C	$30.00	$30.00	$22.50	$15.00	$15.00
Corrosivity toward Steel	Soil/Water	1110	$NB	$NB	$NB	$NB	$NB
Reactive Cyanide	Soil/Water	Vol. TC (Ch.7.7.3)	$100.00	$100.00	$75.00	$50.00	$50.00
Reactive Sulfide	Soil/Water		$100.00	$100.00	$75.00	$50.00	$50.00
TCLP Extraction	Soil/Water	1311	$150.00	$150.00	$150.00	$50.00	$50.00
TCLP VOCs	Soil/Water	8260B	$NA	$NA	$105.00	$70.00	$70.00
TCLP SVOCs	Soil/Water	8270C	$NA	$NA	$255.00	$170.00	$170.00
TCLP Pesticides	Soil/Water	8081B	$NA	$NA	$NA	$110.00	$110.00
TCLP Herbicides	Soil/Water	8151A	$NA	$NA	$NA	$180.00	$180.00
TCLP Metals	Soil/Water	6010D	$NA	$NA	$73.50	$49.00	$49.00
TCLP Mercury	Soil/Water	7470A	$NA	$NA	$37.50	$25.00	$25.00
SPLP	Soil/Waste	1312	$150.00	$150.00	$150.00	$50.00	$50.00
Paint Filter Liquids Test	Soil/Water	9095	$30.00	$30.00	$22.50	$15.00	$15.00
METALS							
Individual Metals	Soil/Water	6010D	$14.00	$14.00	$10.50	$7.00	$7.00
	Soil/Water	6020B	$24.00	$24.00	$18.00	$12.00	$12.00

PARAMETER	MATRIX	METHOD	TURNAROUND TIME				
			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY
Chromium, hex	Soil/Water	7196A	$60.00	$60.00	$45.00	$30.00	$30.00
	Soil/Water	7199	$NA	$NA	$NA	$NA	$NA
	Soil/Water	3500-CR	$60.00	$60.00	$45.00	$30.00	$30.00
Mercury	Soil	7470A	$50.00	$50.00	$37.50	$25.00	$25.00
Mercury	Water	7471B	$50.00	$50.00	$37.50	$25.00	$25.00
Mercury (low level)	Soil/Water	1631	$180.00	$180.00	$135.00	$90.00	$90.00
INORGANICS							
Cyanide, Total	Soil/Water	9010B,C	$88.00	$88.00	$66.00	$44.00	$44.00
	Soil/Water	9012A,B	$70.00	$70.00	$52.50	$52.50	$35.00
Cyanide, Amendable	Soil/Water	9010B,C	$88.00	$88.00	$66.00	$44.00	$44.00
	Soil/Water	9012A,B	$70.00	$70.00	$52.50	$35.00	$35.00
Cyanide, Extraction	Oil/Solids	9013	NA	NA	NA	NA	NA
Total Organic Halides	Water	9020B	$150.00	$150.00	$112.50	$75.00	$75.00
	Water	9022	$150.00	$150.00	$112.50	$75.00	$75.00
Acid Soluble & Insoluble Sulfides	Soil/Water	9030B	NA	NA	NA	NA	NA
	Soil/Water	SM4500-S	$50.00	$50.00	$37.50	$25.00	$25.00
Sulfate	Soil/Water	9035	$30.00	$30.00	$22.50	$15.00	$15.00
	Soil/Water	9036	$30.00	$30.00	$22.50	$15.00	$15.00
	Soil/Water	9038	$50.00	$50.00	$37.50	$25.00	$25.00
pH	Soil/Water	9040B	$20.00	$20.00	$15.00	$10.00	$10.00
	Soil/Waste	9045C	$30.00	$30.00	$22.50	$15.00	$15.00
Specific Conductance	Soil/Water	9050C	$30.00	$30.00	$22.50	$15.00	$15.00
Anions By Chromatography	Soil/Water	300	$30.00	$30.00	$22.50	$15.00	$15.00
Phenols	Soil/Water	9065	$90.00	$90.00	$67.50	$45.00	$45.00
	Soil/Water	9066	$70.00	$70.00	$52.50	$35.00	$35.00
Total Recoverable Oil and Grease	Water	9070	$100.00	$100.00	$75.00	$50.00	$50.00
Oil and Grease Extraction	Sludge/ Sediment	9071A	$80.00	$80.00	$60.00	$40.00	$40.00
Cation Exchange Capacity	Soil	9080	NA	NA	NA	NA	NA
	Soil	9081	$170.00	$170.00	$127.50	$85.00	$85.00
Chloride	Soil/Water	9250	NA	NA	NA	NA	NA
	Soil/Water	9251	$40.00	$40.00	$30.00	$20.00	$20.00
	Soil/Water	9252	NA	NA	NA	NA	NA
	Soil/Water	9056	$30.00	$30.00	$22.50	$15.00	$15.00
Perchlorate	Water	331	$700.00	$700.00	$525.00	$437.50	$350.00
	Water	332	NA	NA	NA	NA	NA
	Soil/Water	6850	NA	NA	NA	NA	NA
	Soil/Water	6860	NA	NA	NA	NA	NA
Nitrogen, Ammonia	Soil/Water	350.1, 350.2 or 350.3	$40.00	$40.00	$30.00	$20.00	$20.00
	Soil/Water	SM 4500	$60.00	$60.00	$45.00	$30.00	$30.00

PARAMETER	MATRIX	METHOD	TURNAROUND TIME				
			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY
Nitrogen, Nitrate	Soil/Water	300	$30.00	$30.00	$22.50	$15.00	$15.00
	Soil/Water	9056	$30.00	$30.00	$22.50	$15.00	$15.00
	Water	353.2 or 353.3	$30.00	$30.00	$22.50	$15.00	$15.00
	Water	352.1	NA	NA	NA	NA	NA
	Water	SM 4500	NA	NA	NA	NA	NA
Nitrogen, Nitrite	Soil/Water	9056	$30.00	$30.00	$22.50	$15.00	$15.00
	Soil/Water	300	$30.00	$30.00	$22.50	$15.00	$15.00
	Water	353.2	$30.00	$30.00	$22.50	$15.00	$15.00
	Water	354.1	NA	NA	NA	NA	NA
Nitrogen, Nitrate + Nitrite	Water	351.3	NA	NA	NA	NA	NA
	Water	353.2	$30.00	$30.00	$22.50	$15.00	$15.00
Orthophosphate	Water	365.1, 365.2 or 365.4	$60.00	$60.00	$45.00	$30.00	$30.00
Total Phosphorous	Water	365.1, 365.2 or 365.4	$60.00	$60.00	$45.00	$30.00	$30.00
Total Dissolved Solids	Water	2540C	$30.00	$30.00	$22.50	$15.00	$15.00
Total Suspended Solids	Water	160.2	$30.00	$30.00	$22.50	$15.00	$15.00
Biochemical Oxygen Demand (BOD)	Water	405.1	$76.00	$76.00	$57.00	$38.00	$38.00
Chemical Oxygen Demand (COD)	Water	410.2, 410.3, or 410.4	$60.00	$60.00	$45.00	$30.00	$30.00
Hardness	Water	2340B	$50.00	$50.00	$37.50	$25.00	$25.00
Acidity	Water	SM 2310	$40.00	$40.00	$30.00	$20.00	$20.00
Total Organic Carbon (TOC)	Soil/Water	9060	$70 water $120 Soil	$70 water $120 Soil	$52.50 W $90 soil	$35. water $60 soil	$35. water $60 soil
Alkalinity	Water	SM 2320	$40.00	$40.00	$30.00	$20.00	$20.00
	Water	310.1 or 310.2	NA	NA	NA	NA	NA
Salinity	Soil/Water	SM 2520	NA	NA	$45.00	$30.00	$30.00
Turbidity	Water	SM 2130	NA	NA	$30.00	$20.00	$20.00
PETROLEUM HYDROCARBON							
LRH	Soil	Kansas Modified 8015	$90.00	$90.00	$67.50	$45.00	$45.00
LRH	Water		$90.00	$90.00	$67.50	$45.00	$45.00
MRH	Soil		$110.00	$110.00	$82.50	$55.00	$55.00
MRH	Water		$110.00	$110.00	$82.50	$55.00	$55.00
HRH	Soil		$110.00	$110.00	$82.50	$55.00	$55.00
HRH	Water		$110.00	$110.00	$82.50	$55.00	$55.00
TPH	Air	TO-17	$597.00	$398.00	$248.00	$218.00	$199.00
Viscosity	NAPL	ASTM D-445 A&B	NA	NA	$150.00	$112.50	$75.00
Density (specific gravity)	NAPL	ASTM 1298	NA	NA	$70.00	$52.50	$35.00

PARAMETER	MATRIX	METHOD	TURNAROUND TIME				
			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY
VOLATILE ORGANIC COMPOUND (VOC)							
Full List (low level)	Soil	8260 SIM	NA	NA	NA	NA	NA
	Water	8260 SIM	NA	NA	NA	NA	NA
Full List	Soil	8260	$140.00	$140.00	$105.00	$70.00	$70.00
	Water	8260	$140.00	$140.00	$105.00	$70.00	$70.00
Full List (Terracore or Equivalent)	Soil	5035	NA	NA	NA	NA	$12.00
Full List	Air	TO-3	$324.00	$216.00	$162.00	$118.00	$108.00
		TO-15	$600.00	$418.00	$261.00	$229.00	$209.00
		TO-15 SIM	$765.00	$510.00	$382.00	$280.00	$255.00
		TO-17 (passive)	$600.00	$418.00	$261.00	$229.00	$209.00
		TO-17 (active)	$600.00	$400.00	$300.00	$220.00	$200.00
EDB	Water	8011	$120.00	$120.00	$90.00	$60.00	$60.00
BTEX, 1,2 DCA, MtBE, Naphthalene,	Water	8260	$70.00	$70.00	$52.50	$52.50	$35.00
BTEX, 1,2 DCA, MtBE, Naphthalene, EDB	Soil	8260	$80.00	$80.00	$60.00	$40.00	$40.00
BTEX, 1,2 DCA, MtBE, Naphthalene, EDB	Air	TO-14A	$600.00	$418.00	$261.00	$229.00	$209.00
BTEX, 1,2 DCA, MtBE, Naphthalene, EDB	Air	TO-15	$600.00	$400.00	$300.00	$220.00	$200.00
BTEX, 1,2 DCA, MtBE, Naphthalene, LRH	Water	8260	$100.00	$100.00	$75.00	$50.00	$50.00
Full List, LRH	Water	8260	$230.00	$230.00	$172.50	$115.00	$115.00
BTEX, 1,2 DCA, MtBE, EDB.	Air	TO-3	$324.00	$212.00	$132.50	$118.00	$108.00
SEMIVOLATILE ORGANIC COMPOUND (SVOC)							
PAHs	Soil/Water	8270 SIM	$150.00	$150.00	$112.50	$75.00	$75.00
	Soil/Water	8310	$400.00	$400.00	$300.00	$200.00	$200.00
Semi-Volatiles	Soil/Water	8270	$340.00	$340.00	$255.00	$170.00	$170.00
Dioxins & Furans	Soil/Water	8280	$1400.0	$1400.0	$1050.0	$840.00	$700.00
	Soil/Water	8290	$1400.0	$1400.0	$1050.0	$840.00	$700.00
Carbonyls	Soil/Water	8315A	NA	NA	NA	NA	NA
Chlorinated Hydrocarbons	Soil/Water	8121	$400.00	$400.00	$300.00	$200.00	$200.00
Nonvolatile Solvents	Soil/Water	8321	NA	NA	NA	NA	NA
Nitroaromatics	Soil/Water	8091	NA	NA	NA	NA	NA
Nitroaromatics	Soil/Water	8330	NA	NA	$380.00	$285.00	$190.00
Tetrazene	Soil/Water	8331	NA	NA	NA	NA	NA

PARAMETER	MATRIX	METHOD	TURNAROUND TIME

			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY
SVOCs Capillary Column	Soil/Water	8410	NA	NA	NA	NA	NA
Semi-Volatiles	Air	TO-13	$1020.0	$680.00	$510.00	$373.00	$340.00
PESTICIDES, HERBICIDES, PCB							
Organochlorine Pesticides	Soil/Water	8081	NA	$220.00	$165.00	$110.00	$110.00
Organophosphorous Pesticides	Soil/Water	8141	NA	$280.00	$210.00	$140.00	$140.00
Herbicides	Soil/Water	8151	NA	NA	NA	NA	NA
	Soil/Water	8321	NA	NA	NA	NA	NA
PCBs	Soil/Water	8082	$140.00	$140.00	$105.00	$70.00	$70.00
DRINKING WATER							
EDB	Water	504.1	$120.00	$120.00	$95.00	$65.00	$65.00
EDB & DBCP	Water	504.1	$120.00	$120.00	$95.00	$65.00	$65.00
VOCs	Water	502.2	NA	NA	NA	NA	NA
VOCs	Water	524.2	$180.00	$180.00	$135.00	$95.00	$95.00
Metals	Water	200.7 or 200.8	$25.00	$25.00	$20.00	$20.00	$15.00
Mercury	Water	245.1	$50.00	$50.00	$37.50	$30.00	$30.00
Chromium, hex	Water	218.4	$180.00	$180.00	$135.00	$95.00	$95.00
Cyanide	Water	335	$70.00	$70.00	$52.50	$40.00	$40.00
Sulfate	Water	375.2 or 375.4	$30.00	$30.00	$22.50	$20.00	$20.00
Phenol	Water	420.1 or 420.2	$80.00	$80.00	$80.00	$45.00	$45.00
Chloride	Water	325.2 or 325.3	$30.00	$30.00	$22.50	$15.00	$15.00
Perchlorate	Water	314	NA	NA	NA	NA	NA
TOC	Water	5310C	$70.00	$70.00	$52.50	$35.00	$35.00
Turbidity	Water	180.1	$40.00	$40.00	$30.00	$25.00	$25.00
RADIOCHEMICAL							
Gross Alpha/Beta	Soil/Water	900	NA	NA	NA	$80.00	$70.00
	Soil/Water	9310	NA	NA	NA	$80.00	$70.00
Radium Total Alpha-Emitting Radium Isotopes	Soil/Water	903	NA	NA	NA	$140.00	$122.50
Radium Total Alpha-Emitting Radium Isotopes	Soil/Water	9315	NA	NA	NA	$150.00	$131.25
Ra-226 by radon emanation	Soil/Water	903	NA	NA	NA	$150.00	$131.25
	Soil/Water	9315	NA	NA	NA	$160.00	$140.00
Ra-228	Soil	904	NA	NA	NA	$150.00	$131.25
	Water	904	NA	NA	NA	$150.00	$131.25
	Soil	NA	NA	NA	NA	NA	NA
	Water	9320	NA	NA	NA	$150.00	$131.25
Radon, Liquid Scintillation	Soil	SM 7500-Rn	NA	NA	NA	NA	NA

PARAMETER	MATRIX	METHOD	TURNAROUND TIME				
			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY

Radon, Liquid Scintillation	Water	SM 7500-Rn	NA	NA	NA	$140.00	$131.25
Carbon-14, Liquid Scintillation	Soil/Water	NA	NA	NA	NA	NA	$175.00
Tritium Liquid Scintillation	Soil/Water	906	NA	NA	NA	$120.00	$105.00

SUMMA CANISTER (COST PER CAN)	INDIVIDUAL CERTIFICATION	BATCH CERTIFICATION	FLOW VALVE REGULATOR	
1 Liter	$45.00	NA	$25.00	
6 Liter	$45.00	NA	$25.00	

GEOPHYSICAL/GEOTECHNICAL PARAMETERS	METHOD	COST PER SAMPLE
Atterberg Limits	ASTM D4318	$65.00
Plasticity Index		$65.00
Compaction (Standard Proctor)		$155.00
Sieve Analysis (unwashed)	ASTM D422	$75.00
Sieve Analysis (washed over #200 sieve)	ASTM D422	$35.00
Sieve Analysis (passing #200 sieve only)	ASTM D422	$45.00
Permeability/Hydraulic Conductivity (falling-head)	ASTM D5084	$205.00
Permeability/Hydraulic Conductivity (constant-head)	ASTM D2434	$140.00
Soil Bulk Density	ASTM D2937	$65.00
Particle Density	ASTM D854	$included with soil bulk density
Porosity (total)		$10.00
Porosity (air filled)		$10.00
Porosity (water filled)		$10.00
Soil Classification (USCS)		$145.00
Moisture Content	ASTM D2216	$10.00
Soil pH		$25.00
Total Organic Carbon	ASTM D2974	$40.00
Specific Gravity	ASTM D854	$40.00

3.2 Mobile Laboratory

Mobilization costs shall be per mile from the official station of the equipment. Mobilization costs shall further include all associated costs with transporting the equipment and operator/crew to and from the site. No separate staff hours or other expenses will be paid for mobilizing to and from the sites. Local mobilization+ (50 miles or less) shall be a lump sum amount.

Line item costs associated with on-site analytical work are for labor and analysis only and do not include sample collection costs which are covered elsewhere in the contract.

MOBILIZATION	STATION LOCATION	COST PER MILE	LUMP SUM+ Per Day	LUMP SUM+ Per Week
Mobile Laboratory	Madison Wisconsin	$ 3.75	NA	NA

ANALYTICAL TECHNOLOGY	COST PER HOUR	COST PER DAY	COST PER WEEK
Gas Chromatograph	$ 180.00	$1800.00	$9000.00
Gas Chromatograph/Mass Spectrometer	$180.00	$1800.00	$9000.00

3.2 Other Analysis

Costs associated with other analytical technologies will be project specific. Please refer to Sections 6 through 8 for a list of additional analytical items.

4. Investigation and Well Installation

Vendors shall utilize equipment with specifications to complete work in an efficient manner. Failure to perform effectively will jeopardize future work requests. Vendors must define the equipment type and information related to equipment capabilities. If the Vendor has multiple pieces of equipment with similar performance capabilities (e.g., rigs) with differing rates, each piece of equipment should be its own line time and additional sheets may be provided as necessary.

Supplemental field activities (e.g., aquifer testing, geophysical surveys, etc.) not listed in the below line items may be expanded by KDHE depending on site requirements. Additional tasks requested by KDHE will be reimbursed at cost plus the applicable surcharge rates described above in Section 2.

4.1 Mobilization

Mobilization costs shall be per mile from the official station of the equipment. Mobilization costs shall further include all associated costs with transporting the equipment and operator/crew plus one support vehicle to and from the site. No staff hours or other expenses will be paid for mobilizing to and from the sites. Local mobilization+ (50 miles or less) shall be a lump sum amount.

EQUIPMENT TYPE	STATION LOCATION	COST PER MILE	LUMP SUM+ Per Day	LUMP SUM+ Per Week
Auger Boring Rig	Manhattan, KS	$4.00	$210.00	$1100.00
Air Rotary Rig	Olsburg, KS	$6.50	$650.00	$3000.00
Mud Rotary Rig	Olsburg, KS	$6.50	$650.00	$3000.00
Direct Push	Manhattan, KS	$ 3.00	$ 108.00	$ 540.00

Note: Include city and state if not located in Kansas

4.2 Subsurface Drilling

Subsurface drilling costs shall be per foot and must include labor, completion of soil borings, decontamination, subsidiary equipment and supplies, associated soil sampling; discrete or continuous, on-site disposal of investigation derived waste and off-site disposal of clean drilling media.

DRILLING EQUIPMENT	BORINGS ≤ 75 FEET COST PER FOOT	BORINGS > 75 FEET COST PER FOOT
Auger Rig		
Discrete sampling at specified intervals	$10.50	$11.50
Continuous soil sampling	$10.50	$11.50
w/o soil sampling	$10.00	$11.00
Air or Mud Rotary Rig		
Soil samples collected from drill cuttings	$16.50	$14.50
w/o soil sampling	$16.50	$14.50

4.3 Direct Push

Direct push costs shall be a lump sum amount. Investigation utilizing direct push methods may include collection and screening of groundwater samples, soil gas survey (e.g., post-run tubing vapor sampling, etc.), and/or collection of continuous or discrete soil samples. Direct push equipment costs must include rig, rods, decontamination, labor, on-site disposal of investigation derived waste or off-site disposal of clean drilling media, and any other sampling equipment or supplies necessary to complete tasks.

DIRECT PUSH EQUIPMENT	LUMP SUM	
	PER DAY	PER WEEK
Direct Push Sampling Equipment	$1500.00	$7500.00
Electrical Conductivity Probe	$1550.00	$7510.00
Membrane Interface Probe	$2050.00	$10100.00
Hydraulic Profile Tool	$1850.00	$9050.00
Laser Induced Fluorescence (LIF)	$NA	$NA
Soil Vapor Implant per well*	$ 130.00	NA

** - optional*

4.4 Monitoring Well Installation

All monitoring well installation costs shall be per foot based on inside diameter of the well and must include all blank casing, screen, gravel pack, annular seal, grout, other installation costs, labor, and disposal of investigation derived waste.

Micro-well/piezometer installation assumes installation of a 2" inside diameter prepack or micro-monitoring well/temporary piezometer using direct push technology. Installation costs for this line item must include probing, casing, screen, gravel pack, annular seal, grouting, and labor.

	COST PER FOOT		
WELL INSTALLATION	1" ID WELL	2" ID WELL	4" ID WELL
Auger Drilling	$8.25	$10.00	$19.50
Air Rotary Drilling	$8.25	$10.00	$19.50
Mud Rotary Drilling	$8.25	$10.00	$19.50
Micro-well/Piezometer	$8.25	$10.00	NA

Note: KDHE may request larger diameter well installations based on site requirements; however, all cost inclusions will still apply.

4.4.1 Monitoring Well Completion

Well completion costs shall be per well and must include monitoring well pad, appropriate vault, water tight j-plug, locking protective cover for above-grade completions, completion of WWC-5 forms, labor, and disposal of investigation derived waste. Separate lines items should be provided for above-grade and flush-mount completions. KDHE may request a metal frame form left in place be used to protect well pads in high traffic areas and/or protective bumpers (bollards) be installed to protect above-grade completions. Line items cost for protective bollards must include a high-visible yellow or orange paint and installation.

MONITORING WELL COMPLETION PER WELL	ABOVE-GRADE	FLUSHMOUNT
1" ID Monitoring Well	$160.00	$175.00
2" ID Monitoring Well	$180.00	$200.00
4" ID Monitoring Well	$280.00	$280.00
Protective Bollards (3 per well completion)	$200.00	NA
Metal Protective Frame for Well Pad	$200.00	$200.00

Note: KDHE may request larger diameter well completions based on site requirements; however, all cost inclusions will still apply.

4.4.2 Monitoring Well Development

All wells must be properly developed no less than 24 hours after completion. Well development shall involve removal of at least the amount of any water added during the drilling and installation activities plus five times the well volume. The well volume is considered to be, for development purposes, the volume of standing water within the well casing, and the volume within the filter pack with an assumed porosity of 30%. Well development requires surging or agitating water within the screened interval to affect development of the filter pack and any formation skin by pumping rapidly and intermittently at various depths within the screened interval using a downhole pump, use of a surge block or bailer, and/or air-lift pumping; other development methods may be approved by KDHE on a site-specific basis. Well development costs shall be per well and must include all labor, necessary equipment to complete the task, and disposal of development water.

WELL DIAMETER	COST PER WELL	
	BORINGS ≤ 75 FEET	BORINGS > 75 FEET
1" Well	$75.00	$90.00
2" Well	$80.00	$110.00
4" Well	$100.00	$250.00

Note: KDHE may request larger diameter well development based on site requirements; however, all cost inclusions will still apply.

4.5 Soil Boring/Monitoring Well Plugging, Abandonment, and Repairs

Soil borings and monitoring wells will be plugged and properly abandoned in accordance with K.A.R. 28-30-7. Soil boring/monitoring well plugging costs shall be per foot and must include labor and all plugging materials and equipment necessary to permanently plug the boring or well. Monitoring well abandonment costs shall be per well and must include all necessary labor and equipment to remove the wellhead, pad, and all related materials down to the required depth of three feet, soil and debris handling, restoration, and completion of WWC-5P forms. Separate lines items should be provided for paved and unpaved areas.

Monitoring well repair costs shall be per well and separate line items should be provided for paved and unpaved areas.

ACTIVITY	Cost		
Soil Boring Plugging - Per Foot	$6.50		
	1" ID WELL	2" ID WELL	4" ID WELL
Monitoring Well Plugging – Per Foot	$ 1.00	$2.50	$5.00
Monitoring Well Abandonment – Paved Surface – Per Well	$ 100.00	$165.00	$180.00
Monitoring Well Abandonment – Unpaved Surface – Per Well	$95.00	$155.00	$170.00
Removal/Replacement of Vault and Pad – Paved Surface – Per Well	$240.00	$250.00	$270.00
Removal/Replacement of Vault and Pad – Unpaved Surface – Per Well	$210.00	$240.00	$250.00
Replace Vault Lid – Per Well	$35.00	$45.00	$55.00

4.6 Disposal for Special or Hazardous Waste

Disposal costs associated with water and soil collected during soil boring or monitoring well drilling, well development, well purging, aquifer testing, excavation, groundwater sampling, and soil gas testing will be determined on a site-specific basis prior to actual disposal. The method and location must meet all applicable regulations and will require the approval of the KDHE Project Manager or Ordering Officer. The Vendor will be responsible for obtaining signatures for all disposal authorizations for disposal of wastes associated with these activities. Disposal costs will be based on cost plus the applicable surcharge rate discussed in Section 2 for subcontract or disposal facility pricing.

5. Geophysical Logging – Optional*

Vendors shall provide line items costs to perform geophysical logging. Line item costs must include all necessary equipment, supplies, decontamination, labor, all appropriate documentation and reporting requirements, field logs, etc., and any markup costs for subcontracting.

FIELD ACTIVITY	COST PER FOOT
0 – 50 feet below ground surface	$
51 – 100 feet below ground surface	$
101 – 200 feet below ground surface	$
> 200 feet below ground surface	$

6. MODULE A: State Response Programs (Excluding Storage Tanks)

Vendors shall provide line items costs for Sections 1 through 5 above and any additional equipment, resources, and field activities to complete tasks for state program requirements. Programs may be state or federally funded.

EQUIPMENT	COST PER DAY	COST PER WEEK	COST PER MONTH
Portable Air Stripper	$	$	$
Portable Carbon Vessel	$	$	$
Nitrate Screening Ion Selective Electrode	$	$	$
Chloride Screening Ion Selective Electrode	$	$	$

Property Research Tasks

TASK	COST
Chain of Title – Per Parcel	$400.00
Lien and AUL Search – Per Property	$300.00

7. Module B: Storage Tank Programs

Vendors shall provide line items costs for Sections 1 through 5 and any additional equipment, resources, and field activities to complete tasks per federal program requirements.

8. Module C: Risk Assessment

Vendors shall provide line items costs for performing risk assessment activities.

8.1 Labor

The Vendor shall state a firm, fixed price per hour for the following labor classifications:

- Professional 5 — Associate Level (contract management, technical expert)
- Professional 4 — Senior Level (senior project management, toxicologist, risk assessor)
- Professional 3 — NA
- Professional 2 — Project Level (project manager, mid-level toxicologist or risk assessor)
- Professional 1 — Staff Level (junior toxicologist or risk assessor)
- Technical 4 — Senior Technician
- Technical 3 — Technician (environmental technician, remediation technician)
- Technical 2 — Drafting/CAD (draftsman)
- Technical 1 — Clerical

These rates shall be inclusive of all overhead charges, administrative costs and profit. Rates will be listed for actual staff employed by the Vendor at the time of the bid submission.

CLASSIFICATION	RATES PER HOUR			
	INITIAL 2 YEARS	OPTION YEAR 3	OPTION YEAR 4	OPTION YEAR 5
Professional 5	$	$	$	$
Professional 4	$	$	$	$
Professional 3	$	$	$	$
Professional 2	$	$	$	$
Professional 1	$	$	$	$
Technical 4	$	$	$	$
Technical 3	$	$	$	$
Technical 2	$	$	$	$
Technical 1	$	$	$	$

A statement of qualification shall be provided for each staff member associated with a particular classification(s). The official station location must also be defined for each staff member. For personnel and equipment mobilizations from out of state, reimbursement for travel time and mileage is expected to begin at the office closest to the site unless approved by KDHE.

KDHE shall reimburse on a "straight time" basis, therefore the Vendor should schedule to minimize overtime liabilities. The minimum time increment claimed for reimbursement shall be one quarter of an hour.

8.2 Per Diem

The Vendor shall state a firm, fixed price per diem for a single person as well as multi person drill crews. Lodging, food, and expenses shall be included in the per diem rate. Per diem is only applicable if an overnight stay is required. The per diem rate also applies to any subcontractors.

PER DIEM – PER DAY PER PERSON	$

There will be no labor charge for standby when it is necessary for a Vendor to remain on site, e.g., over the weekend. Per diem rates will be in effect. Timesheets indicating staff hours will be required if per diem is requested.

The use or rental of vehicles, equipment, materials, or other items necessary to complete the tasks will be reimbursed at cost plus the following surcharge rates. Cost associated with vehicle use or rental shall include all maintenance and insurance, as well as incidental fees. There will not be any additional mileage charge. Fuel used will be reimbursed at cost. A detailed invoice for all vehicles, equipment, materials, or other items used or rented must be submitted to KDHE for reimbursement consideration. A detailed receipt must also be submitted for any rented items.

SURCHARGE DESCRIPTION	SURCHARGE PERCENTAGE
Items less than $5,000	10%
Items between $5,000 and $25,000	8%
Items greater than $25,000	6%

Miscellaneous supplies and minor items of equipment are considered to be part of the Vendor's inventory to perform business and are not considered reimbursable.

ATTACHMENT A

ENVIRONMENTAL SERVICES CONTRACT
COST SHEET

COST SHEET

Vendors shall list rates for staff and resources on the following pages. Vendor selection will be based, in part, on overall capabilities. KDHE encourages all interested Vendors to be as inclusive as possible to indicate a better representation of their capabilities and allow KDHE to provide a more objective review.

Because of the nature of the projected scopes of work to be performed under this contract, at a minimum, the Vendor will be required to complete all line items in Sections 1 through 5 of this Attachment, unless otherwise indicated ("*"), in order for a review to be performed. The Vendor may complete Sections 6 through 8 as applicable for the corresponding request for proposal (RFP) module or modules they choose to bid. However, if a Vendor chooses to bid only on Module C: Risk Assessment, Section 8 of Attachment A will be the only requirement.

1. Labor classifications

The Vendor shall state a firm, fixed price per hour for the following labor classifications:

- Professional 5 Associate Level (contract management, associate level review of projects)
- Professional 4 Senior Level (senior project management, licensed professional engineer, licensed professional geologist)
- Professional 3 Design Level (design engineer)
- Professional 2 Project Level (project manager, project geologist)
- Professional 1 Staff Level (staff engineer, field geologist, environmental scientist, health and safety supervisor)
- Technical 4 Senior Technician (construction foreman, sr. environmental technician)
- Technical 3 Technician (environmental technician, remediation technician)
- Technical 2 Drafting/CAD (draftsman)
- Technical 1 Clerical

Labor rates shall be inclusive of all overhead charges, administrative costs and profit. For staff performing field activities, labor rates shall further include Level D PPE. Rates will be listed for actual staff employed by the Vendor at the time of the bid submission.

CLASSIFICATION	RATES PER HOUR			
	INITIAL 2 YEARS	OPTION YEAR 3	OPTION YEAR 4	OPTION YEAR 5
Professional 5	$145.00	$151.00	$154.00	$158.50
Professional 4	$145.00	$151.00	$154.00	$158.50
Professional 3	$120.00	$125.00	$127.50	$131.00
Professional 2	$70.00	$75.00	$75.00	$75.00
Professional 1	$60.00	$65.00	$65.00	$65.00
Technical 4	$55.00	$60.00	$60.00	$60.00
Technical 3	$50.00	$50.00	$50.00	$50.00
Technical 2	$45.00	$45.00	$45.00	$45.00
Technical 1	$35.00	$35.00	$35.00	$35.00

A statement of qualification shall be provided for each staff member associated with a particular classification(s). Licensed Professionals must meet the State of Kansas Board of Technical Professions requirements. All other professionals, at a minimum, shall have a bachelor's degree in an environmental field of study to be considered a "Professional." The official station location must also be defined for each

staff member. For personnel and equipment mobilizations from out of state, reimbursement for travel time and mileage is expected to begin at the office closest to the site unless approved by KDHE.

KDHE shall reimburse on a "straight time" basis, therefore the Vendor should schedule to minimize overtime liabilities. The minimum time increment claimed for reimbursement shall be one quarter of an hour.

KDHE shall reimburse for the scope of work performed, not by the Vendor's staff title. For example, the same staff member may perform Project Geologist work to coordinate all project activities, perform site supervision as a Field Geologist and collect groundwater samples as an Environmental Technician. This staff member would bill hours at three different labor rates as defined above. Another example would be a licensed Engineer who bills at Design Engineer rates for remedial system design and as a Staff Engineer while performing routine field activities.

1.1 Per Diem

The Vendor shall state a firm, fixed price per diem for a single person as well as multi person drill crews. Lodging, food, and expenses shall be included in the per diem rate. Per diem is only applicable if an overnight stay is required. The per diem rate also applies to any subcontractors as indicated below.

VENDOR	RATE PER DAY
Single Person	$150.00
SUBCONTRACTOR	**RATE PER DAY**
Single Person	$160.00
Two Person Field Crew	$300.00
Three Person Field Crew* (optional)	$ nb

There will be no labor charge for standby when it is necessary for a Vendor to remain on site, e.g., over the weekend. KDHE assumes that once site activities are initiated, work will continue onsite until completed. If work activities on long term projects must be interrupted for weekends, additional mobilizations will not be allowed without prior agreement and approval by KDHE. Per diem rates will be in effect. Lodging receipts will be required if per diem is requested.

2. Equipment rental and material supply

The Vendor shall state a firm, fixed price per hour, per day, per week, per month and/or per mile as specified for the equipment and materials listed in this attachment. The Vendor is expected to stock standard equipment normally used to complete the tasks and activities identified in this RFP. Any overhead charges or pass-through costs must be built into the line item rates.

Miscellaneous supplies and minor items of equipment are considered to be part of the Vendor's inventory to perform business and are not considered reimbursable. In order for miscellaneous supplies to be considered for reimbursement, prior approval must be received in writing from the KDHE Ordering Officer and the item purchased will be reimbursed for cost plus the applicable surcharge rate described below. Detailed (itemized and dated) invoices must be submitted for KDHE to consider reimbursement for any item purchase.

The listing of equipment and material on the following pages may be expanded by KDHE depending on site requirements. The Vendor may also submit a supplemental listing of equipment available that may be applicable to perform work outlined in this RFP. Any supplement equipment listing provided must include line items rates.

The Vendor must ensure that all equipment (rented or owned by the Vendor) is in proper working order prior to mobilization to a site. KDHE will not pay labor, travel costs, or per diem in situations where the Vendor arrives at a site with equipment that is not in proper working order.

Equipment or other items not listed in the below line items will be reimbursed at cost plus the following surcharge rates. The surcharge rate will be applied to the project total not on individual line items. The Vendor shall obtain a minimum of three written bids for purchases made or subcontracted that are in excess of $500.00 per item, unless otherwise specified by KDHE in the specific work request. A detailed invoice for all rental equipment must be submitted to KDHE for reimbursement consideration.

SURCHARGE DESCRIPTION	SURCHARGE PERCENTAGE
Items less than $5,000	10%
Items between $5,000 and $25,000	8%
Items greater than $25,000	6%

Prices listed in this attachment represent not to exceed amounts. The Vendor may utilize lower line item costs when preparing proposals for specific scopes of work. If a lower line item amount is awarded with a proposal, that amount will represent the maximum allowable reimbursement.

SUPPORT VEHICLE	COST PER MILE	COST PER DAY	COST PER WEEK
Automobile	$0.60	$60.00	$300.00
Light Duty Pickup	$0.70	$70.00	$400.00
Heavy Duty Pickup[1]	$0.80	$80.00	$500.00
	$	$	$
	$	$	$

[1] - *¾ ton or larger and includes use of a trailer.*

Support vehicle rates quoted above shall include all maintenance, fuel, insurance and incidental fees and charges such as parking and tolls. The Vendors will be reimbursed a daily or weekly vehicle use rate plus mileage. Daily and weekly use rates shall include local mileage while performing the job duties. Mileage will be reimbursed for mobilization from the official station of the vehicle to and from the job site according to Google® Maps or similar mapping tool.

PROTECTIVE CLOTHING	COST PER PERSON PER DAY
Level A	$2,000.00
Level B	$800.00
Level C	$100.00

Note: Costs associated with Level D PPE shall be covered with the labor rates and per well sampling costs.

EQUIPMENT RATE	COST PER DAY	COST PER WEEK	COST PER MONTH
Drum (55 gallon)	$50.00	$50.00	$50.00
Photoionization Detector (10.2 to 11.6 eV)	$75.00	$375.00	$1500.00
X-Ray Fluorescence (XRF) Analyzer	$550.00	$1600.00	$6500.00
LEL Meter	$75.00	$375.00	$1500.00
Dissolved Oxygen Meter	$75.00	$375.00	$1500.00
Oxygen/Carbon Dioxide Meter(s)	$75.00	$375.00	$1500.00
Colorimetric Tube Pump	$15.00	$75.00	$300.00
GAC Drum	$850.00	$NA	$NA

Purchase-only Equipment	COST	COST	
Colorimetric Tubes	PER TUBE	PER BOX OF 10	
Draeger Tubes, CO_2	$4.00	$40.00	
Draeger Tubes, O_2	$4.00	$40.00	
Draeger Tubes, TPH	$4.00	$40.00	
Tedlar Bags	$16.00	160.00	
Drum (55 gallon)	$55.00	NA	

Well sampling	COST
Non-dedicated Standard Well Sampling Equipment[1] (disposable bailers, line, gloves, etc.)	$____85.00_____PER WELL
Non-dedicated Low-Flow Well Sampling Equipment[1] (tubing, pump, meters, gloves, etc.)	$___150.00_____PER WELL
Well Sampling w/Hydrasleeves and Supplies (gloves, line, etc.)	$____120.00_____PER WELL
Well Sampling Supplies w/Dedicated Equipment[*] (gloves, etc.)	$__70.00_____PER WELL

1 - Well sampling equipment rates shall include electronic water level indicator, interface probe, submersible pumps, peristaltic pumps, bladder pumps, tubing, and filters as necessary. Rates above also include ice, coolers, sample containers, etc. that may not be covered with the analytical costs.

MISCELLANEOUS ITEMS*	COST PER DAY	COST PER WEEK	COST PER MONTH	PURCHASE
20 ft. absorbent booms	$NA	$NA	$NA	$200.00
Over Pack drums	$NA	$NA	$NA	$325.00
Decon trough	$150.00	$500.00	$NA	$NA
SVE blower	$75.00	$300.00	$1000.00	$NA
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$
	$	$	$	$

*OPTIONAL EQUIPMENT RATES – Includes mobilization and labor

HEAVY EQUIPMENT*	COST PER HOUR	COST PER DAY	COST PER WEEK
Bobcat*	$230.00	$350.00	$1500.00
Back Hoe*	$300.00	$600.00	$1600.00
Grader*	$350.00	$700.00	$1800.00
Dump Truck*	$	$	$
Vacuum Truck*	$	$	$
Tanker Truck*	$	$	$
Frac Tank*	$	$	$

* = Optional bid item

3. Sampling and Analysis

3.1 Laboratory Analysis

All analysis must be performed by a laboratory with current certification from the Kansas Health and Environment Laboratory (KHEL) Certification Program for those parameters which KDHE offers certification (see Attachment E).

The analytical costs proposed shall be inclusive of all material costs associated with collection, preservation, transportation, analysis, and sample disposal (e.g., sample containers, bags, ice, coolers, shipping costs, etc.). Line item costs must include any markup costs for subcontracting.

PARAMETER	MATRIX	METHOD	TURNAROUND TIME				
			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY
HAZARDOUS WASTE CHARACTERIZATION (SW-846)							
Flash Point	Soil/Water	1010	$80.00	$80.00	$60.00	$40.00	$40.00
	Soil/Water	1020A	$80.00	$80.00	$60.00	$40.00	$40.00
Corrosivity, pH	Water	9040B	$20.00	$20.00	$15.00	$10.00	$10.00
Corrosivity, pH	Soil/Waste	9045C	$30.00	$30.00	$22.50	$15.00	$15.00
Corrosivity toward Steel	Soil/Water	1110	$NB	$NB	$NB	$NB	$NB
Reactive Cyanide	Soil/Water	Vol. TC (Ch.7.7.3)	$100.00	$100.00	$75.00	$50.00	$50.00
Reactive Sulfide	Soil/Water		$100.00	$100.00	$75.00	$50.00	$50.00
TCLP Extraction	Soil/Water	1311	$150.00	$150.00	$150.00	$50.00	$50.00
TCLP VOCs	Soil/Water	8260B	$NA	$NA	$105.00	$70.00	$70.00
TCLP SVOCs	Soil/Water	8270C	$NA	$NA	$255.00	$170.00	$170.00
TCLP Pesticides	Soil/Water	8081B	$NA	$NA	$NA	$110.00	$110.00
TCLP Herbicides	Soil/Water	8151A	$NA	$NA	$NA	$180.00	$180.00
TCLP Metals	Soil/Water	6010D	$NA	$NA	$73.50	$49.00	$49.00
TCLP Mercury	Soil/Water	7470A	$NA	$NA	$37.50	$25.00	$25.00
SPLP	Soil/Waste	1312	$150.00	$150.00	$150.00	$50.00	$50.00
Paint Filter Liquids Test	Soil/Water	9095	$30.00	$30.00	$22.50	$15.00	$15.00
METALS							
Individual Metals	Soil/Water	6010D	$14.00	$14.00	$10.50	$7.00	$7.00
	Soil/Water	6020B	$24.00	$24.00	$18.00	$12.00	$12.00

PARAMETER	MATRIX	METHOD	TURNAROUND TIME				
			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY
Chromium, hex	Soil/Water	7196A	$60.00	$60.00	$45.00	$30.00	$30.00
	Soil/Water	7199	$NA	$NA	$NA	$NA	$NA
	Soil/Water	3500-CR	$60.00	$60.00	$45.00	$30.00	$30.00
Mercury	Soil	7470A	$50.00	$50.00	$37.50	$25.00	$25.00
Mercury	Water	7471B	$50.00	$50.00	$37.50	$25.00	$25.00
Mercury (low level)	Soil/Water	1631	$180.00	$180.00	$135.00	$90.00	$90.00
INORGANICS							
Cyanide, Total	Soil/Water	9010B,C	$88.00	$88.00	$66.00	$44.00	$44.00
	Soil/Water	9012A,B	$70.00	$70.00	$52.50	$52.50	$35.00
Cyanide, Amendable	Soil/Water	9010B,C	$88.00	$88.00	$66.00	$44.00	$44.00
	Soil/Water	9012A,B	$70.00	$70.00	$52.50	$35.00	$35.00
Cyanide, Extraction	Oil/Solids	9013	NA	NA	NA	NA	NA
Total Organic Halides	Water	9020B	$150.00	$150.00	$112.50	$75.00	$75.00
	Water	9022	$150.00	$150.00	$112.50	$75.00	$75.00
Acid Soluble & Insoluble Sulfides	Soil/Water	9030B	NA	NA	NA	NA	NA
	Soil/Water	SM4500-S	$50.00	$50.00	$37.50	$25.00	$25.00
Sulfate	Soil/Water	9035	$30.00	$30.00	$22.50	$15.00	$15.00
	Soil/Water	9036	$30.00	$30.00	$22.50	$15.00	$15.00
	Soil/Water	9038	$50.00	$50.00	$37.50	$25.00	$25.00
pH	Soil/Water	9040B	$20.00	$20.00	$15.00	$10.00	$10.00
	Soil/Waste	9045C	$30.00	$30.00	$22.50	$15.00	$15.00
Specific Conductance	Soil/Water	9050C	$30.00	$30.00	$22.50	$15.00	$15.00
Anions By Chromatography	Soil/Water	300	$30.00	$30.00	$22.50	$15.00	$15.00
Phenols	Soil/Water	9065	$90.00	$90.00	$67.50	$45.00	$45.00
	Soil/Water	9066	$70.00	$70.00	$52.50	$35.00	$35.00
Total Recoverable Oil and Grease	Water	9070	$100.00	$100.00	$75.00	$50.00	$50.00
Oil and Grease Extraction	Sludge/ Sediment	9071A	$80.00	$80.00	$60.00	$40.00	$40.00
Cation Exchange Capacity	Soil	9080	NA	NA	NA	NA	NA
	Soil	9081	$170.00	$170.00	$127.50	$85.00	$85.00
Chloride	Soil/Water	9250	NA	NA	NA	NA	NA
	Soil/Water	9251	$40.00	$40.00	$30.00	$20.00	$20.00
	Soil/Water	9252	NA	NA	NA	NA	NA
	Soil/Water	9056	$30.00	$30.00	$22.50	$15.00	$15.00
Perchlorate	Water	331	$700.00	$700.00	$525.00	$437.50	$350.00
	Water	332	NA	NA	NA	NA	NA
	Soil/Water	6850	NA	NA	NA	NA	NA
	Soil/Water	6860	NA	NA	NA	NA	NA
Nitrogen, Ammonia	Soil/Water	350.1, 350.2 or 350.3	$40.00	$40.00	$30.00	$20.00	$20.00
	Soil/Water	SM 4500	$60.00	$60.00	$45.00	$30.00	$30.00

PARAMETER	MATRIX	METHOD	TURNAROUND TIME				
			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY
Nitrogen, Nitrate	Soil/Water	300	$30.00	$30.00	$22.50	$15.00	$15.00
	Soil/Water	9056	$30.00	$30.00	$22.50	$15.00	$15.00
	Water	353.2 or 353.3	$30.00	$30.00	$22.50	$15.00	$15.00
	Water	352.1	NA	NA	NA	NA	NA
	Water	SM 4500	NA	NA	NA	NA	NA
Nitrogen, Nitrite	Soil/Water	9056	$30.00	$30.00	$22.50	$15.00	$15.00
	Soil/Water	300	$30.00	$30.00	$22.50	$15.00	$15.00
	Water	353.2	$30.00	$30.00	$22.50	$15.00	$15.00
	Water	354.1	NA	NA	NA	NA	NA
Nitrogen, Nitrate + Nitrite	Water	351.3	NA	NA	NA	NA	NA
	Water	353.2	$30.00	$30.00	$22.50	$15.00	$15.00
Orthophosphate	Water	365.1, 365.2 or 365.4	$60.00	$60.00	$45.00	$30.00	$30.00
Total Phosphorous	Water	365.1, 365.2 or 365.4	$60.00	$60.00	$45.00	$30.00	$30.00
Total Dissolved Solids	Water	2540C	$30.00	$30.00	$22.50	$15.00	$15.00
Total Suspended Solids	Water	160.2	$30.00	$30.00	$22.50	$15.00	$15.00
Biochemical Oxygen Demand (BOD)	Water	405.1	$76.00	$76.00	$57.00	$38.00	$38.00
Chemical Oxygen Demand (COD)	Water	410.2, 410.3, or 410.4	$60.00	$60.00	$45.00	$30.00	$30.00
Hardness	Water	2340B	$50.00	$50.00	$37.50	$25.00	$25.00
Acidity	Water	SM 2310	$40.00	$40.00	$30.00	$20.00	$20.00
Total Organic Carbon (TOC)	Soil/Water	9060	$70 water $120 Soil	$70 water $120 Soil	$52.50 W $90 soil	$35. water $60 soil	$35. water $60 soil
Alkalinity	Water	SM 2320	$40.00	$40.00	$30.00	$20.00	$20.00
	Water	310.1 or 310.2	NA	NA	NA	NA	NA
Salinity	Soil/Water	SM 2520	NA	NA	$45.00	$30.00	$30.00
Turbidity	Water	SM 2130	NA	NA	$30.00	$20.00	$20.00
PETROLEUM HYDROCARBON							
LRH	Soil	Kansas Modified 8015	$90.00	$90.00	$67.50	$45.00	$45.00
LRH	Water		$90.00	$90.00	$67.50	$45.00	$45.00
MRH	Soil		$110.00	$110.00	$82.50	$55.00	$55.00
MRH	Water		$110.00	$110.00	$82.50	$55.00	$55.00
HRH	Soil		$110.00	$110.00	$82.50	$55.00	$55.00
HRH	Water		$110.00	$110.00	$82.50	$55.00	$55.00
TPH	Air	TO-17	$597.00	$398.00	$248.00	$218.00	$199.00
Viscosity	NAPL	ASTM D-445 A&B	NA	NA	$150.00	$112.50	$75.00
Density (specific gravity)	NAPL	ASTM 1298	NA	NA	$70.00	$52.50	$35.00

PARAMETER	MATRIX	METHOD	TURNAROUND TIME				
			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY
VOLATILE ORGANIC COMPOUND (VOC)							
Full List (low level)	Soil	8260 SIM	NA	NA	NA	NA	NA
	Water	8260 SIM	NA	NA	NA	NA	NA
Full List	Soil	8260	$140.00	$140.00	$105.00	$70.00	$70.00
	Water	8260	$140.00	$140.00	$105.00	$70.00	$70.00
Full List (Terracore or Equivalent)	Soil	5035	NA	NA	NA	NA	$12.00
Full List	Air	TO-3	$324.00	$216.00	$162.00	$118.00	$108.00
		TO-15	$600.00	$418.00	$261.00	$229.00	$209.00
		TO-15 SIM	$765.00	$510.00	$382.00	$280.00	$255.00
		TO-17 (passive)	$600.00	$418.00	$261.00	$229.00	$209.00
		TO-17 (active)	$600.00	$400.00	$300.00	$220.00	$200.00
EDB	Water	8011	$120.00	$120.00	$90.00	$60.00	$60.00
BTEX, 1,2 DCA, MtBE, Naphthalene,	Water	8260	$70.00	$70.00	$52.50	$52.50	$40.00
BTEX, 1,2 DCA, MtBE, Naphthalene, EDB	Soil	8260	$80.00	$80.00	$60.00	$40.00	$40.00
BTEX, 1,2 DCA, MtBE, Naphthalene, EDB	Air	TO-14A	$600.00	$418.00	$261.00	$229.00	$209.00
BTEX, 1,2 DCA, MtBE, Naphthalene, EDB	Air	TO-15	$600.00	$400.00	$300.00	$220.00	$200.00
BTEX, 1,2 DCA, MtBE, Naphthalene, LRH	Water	8260	$100.00	$100.00	$75.00	$50.00	$50.00
Full List, LRH	Water	8260	$230.00	$230.00	$172.50	$115.00	$115.00
BTEX, 1,2 DCA, MtBE, EDB	Air	TO-3	$324.00	$212.00	$132.50	$118.00	$115.00
SEMIVOLATILE ORGANIC COMPOUND (SVOC)							
PAHs	Soil/Water	8270 SIM	$150.00	$150.00	$112.50	$80.00	$80.00
	Soil/Water	8310	$400.00	$400.00	$300.00	$200.00	$200.00
Semi-Volatiles	Soil/Water	8270	$340.00	$340.00	$255.00	$170.00	$170.00
Dioxins & Furans	Soil/Water	8280	$1400.0	$1400.0	$1050.0	$840.00	$700.00
	Soil/Water	8290	$1400.0	$1400.0	$1050.0	$840.00	$700.00
Carbonyls	Soil/Water	8315A	NA	NA	NA	NA	NA
Chlorinated Hydrocarbons	Soil/Water	8121	$400.00	$400.00	$300.00	$200.00	$200.00
Nonvolatile Solvents	Soil/Water	8321	NA	NA	NA	NA	NA
Nitroaromatics	Soil/Water	8091	NA	NA	NA	NA	NA
Nitroaromatics	Soil/Water	8330	NA	NA	$380.00	$285.00	$190.00
Tetrazene	Soil/Water	8331	NA	NA	NA	NA	NA

PARAMETER	MATRIX	METHOD	TURNAROUND TIME

			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY
SVOCs Capillary Column	Soil/Water	8410	NA	NA	NA	NA	NA
Semi-Volatiles	Air	TO-13	$1020.0	$680.00	$510.00	$373.00	$340.00
PESTICIDES, HERBICIDES, PCB							
Organochlorine Pesticides	Soil/Water	8081	NA	$220.00	$165.00	$110.00	$110.00
Organophosphorous Pesticides	Soil/Water	8141	NA	$280.00	$210.00	$140.00	$140.00
Herbicides	Soil/Water	8151	NA	NA	NA	NA	NA
	Soil/Water	8321	NA	NA	NA	NA	NA
PCBs	Soil/Water	8082	$140.00	$140.00	$105.00	$70.00	$70.00
DRINKING WATER							
EDB	Water	504.1	$120.00	$120.00	$95.00	$65.00	$65.00
EDB & DBCP	Water	504.1	$120.00	$120.00	$95.00	$65.00	$65.00
VOCs	Water	502.2	NA	NA	NA	NA	NA
VOCs	Water	524.2	$180.00	$180.00	$135.00	$95.00	$95.00
Metals	Water	200.7 or 200.8	$25.00	$25.00	$20.00	$20.00	$15.00
Mercury	Water	245.1	$50.00	$50.00	$37.50	$30.00	$30.00
Chromium, hex	Water	218.4	$180.00	$180.00	$135.00	$95.00	$95.00
Cyanide	Water	335	$70.00	$70.00	$52.50	$40.00	$40.00
Sulfate	Water	375.2 or 375.4	$30.00	$30.00	$22.50	$20.00	$20.00
Phenol	Water	420.1 or 420.2	$80.00	$80.00	$80.00	$45.00	$45.00
Chloride	Water	325.2 or 325.3	$30.00	$30.00	$22.50	$15.00	$15.00
Perchlorate	Water	314	NA	NA	NA	NA	NA
TOC	Water	5310C	$70.00	$70.00	$52.50	$35.00	$35.00
Turbidity	Water	180.1	$40.00	$40.00	$30.00	$25.00	$25.00
RADIOCHEMICAL							
Gross Alpha/Beta	Soil/Water	900	NA	NA	NA	$80.00	$70.00
	Soil/Water	9310	NA	NA	NA	$80.00	$70.00
Radium Total Alpha-Emitting Radium Isotopes	Soil/Water	903	NA	NA	NA	$140.00	$122.50
Radium Total Alpha-Emitting Radium Isotopes	Soil/Water	9315	NA	NA	NA	$150.00	$131.25
Ra-226 by radon emanation	Soil/Water	903	NA	NA	NA	$150.00	$131.25
	Soil/Water	9315	NA	NA	NA	$160.00	$140.00
Ra-228	Soil	904	NA	NA	NA	$150.00	$131.25
	Water	904	NA	NA	NA	$150.00	$131.25
	Soil	NA	NA	NA	NA	NA	NA
	Water	9320	NA	NA	NA	$150.00	$131.25
Radon, Liquid Scintillation	Soil	SM 7500-Rn	NA	NA	NA	NA	NA

PARAMETER	MATRIX	METHOD	TURNAROUND TIME				
			24 HOUR	48 HOUR	72 HOUR	7 DAY	14 DAY

Radon, Liquid Scintillation	Water	SM 7500-Rn	NA	NA	NA	$140.00	$131.25
Carbon-14, Liquid Scintillation	Soil/Water	NA	NA	NA	NA	NA	$175.00
Tritium Liquid Scintillation	Soil/Water	906	NA	NA	NA	$120.00	$105.00

SUMMA CANISTER (COST PER CAN)	INDIVIDUAL CERTIFICATION	BATCH CERTIFICATION	FLOW VALVE REGULATOR	
1 Liter	$45.00	NA	$25.00	
6 Liter	$45.00	NA	$25.00	

GEOPHYSICAL/GEOTECHNICAL PARAMETERS	METHOD	COST PER SAMPLE
Atterberg Limits	ASTM D4318	$65.00
Plasticity Index		$65.00
Compaction (Standard Proctor)		$155.00
Sieve Analysis (unwashed)	ASTM D422	$75.00
Sieve Analysis (washed over #200 sieve)	ASTM D422	$35.00
Sieve Analysis (passing #200 sieve only)	ASTM D422	$45.00
Permeability/Hydraulic Conductivity (falling-head)	ASTM D5084	$205.00
Permeability/Hydraulic Conductivity (constant-head)	ASTM D2434	$140.00
Soil Bulk Density	ASTM D2937	$65.00
Particle Density	ASTM D854	$included with soil bulk density
Porosity (total)		$10.00
Porosity (air filled)		$10.00
Porosity (water filled)		$10.00
Soil Classification (USCS)		$145.00
Moisture Content	ASTM D2216	$10.00
Soil pH		$25.00
Total Organic Carbon	ASTM D2974	$40.00
Specific Gravity	ASTM D854	$40.00

3.2 Mobile Laboratory

Mobilization costs shall be per mile from the official station of the equipment. Mobilization costs shall further include all associated costs with transporting the equipment and operator/crew to and from the site. No separate staff hours or other expenses will be paid for mobilizing to and from the sites. Local mobilization+ (50 miles or less) shall be a lump sum amount.

Line item costs associated with on-site analytical work are for labor and analysis only and do not include sample collection costs which are covered elsewhere in the contract.

MOBILIZATION	STATION LOCATION	COST PER MILE	LUMP SUM+ Per Day	LUMP SUM+ Per Week
Mobile Laboratory	Madison Wisconsin	$ 3.75	NA	NA

ANALYTICAL TECHNOLOGY	COST PER HOUR	COST PER DAY	COST PER WEEK
Gas Chromatograph	$ 180.00	$1800.00	$9000.00
Gas Chromatograph/Mass Spectrometer	$180.00	$1800.00	$9000.00

3.2 Other Analysis

Costs associated with other analytical technologies will be project specific. Please refer to Sections 6 through 8 for a list of additional analytical items.

4. Investigation and Well Installation

Vendors shall utilize equipment with specifications to complete work in an efficient manner. Failure to perform effectively will jeopardize future work requests. Vendors must define the equipment type and information related to equipment capabilities. If the Vendor has multiple pieces of equipment with similar performance capabilities (e.g., rigs) with differing rates, each piece of equipment should be its own line time and additional sheets may be provided as necessary.

Supplemental field activities (e.g., aquifer testing, geophysical surveys, etc.) not listed in the below line items may be expanded by KDHE depending on site requirements. Additional tasks requested by KDHE will be reimbursed at cost plus the applicable surcharge rates described above in Section 2.

4.1 Mobilization

Mobilization costs shall be per mile from the official station of the equipment. Mobilization costs shall further include all associated costs with transporting the equipment and operator/crew plus one support vehicle to and from the site. No staff hours or other expenses will be paid for mobilizing to and from the sites. Local mobilization+ (50 miles or less) shall be a lump sum amount.

EQUIPMENT TYPE	STATION LOCATION	COST PER MILE	LUMP SUM+ Per Day	LUMP SUM+ Per Week
Auger Boring Rig	Manhattan, KS	$4.00	$210.00	$1100.00
Air Rotary Rig	Olsburg, KS	$6.50	$650.00	$3000.00
Mud Rotary Rig	Olsburg, KS	$6.50	$650.00	$3000.00
Direct Push	Manhattan, KS	$ 3.00	$ 108.00	$ 540.00

Note: Include city and state if not located in Kansas

4.2 Subsurface Drilling

Subsurface drilling costs shall be per foot and must include labor, completion of soil borings, decontamination, subsidiary equipment and supplies, associated soil sampling; discrete or continuous, on-site disposal of investigation derived waste and off-site disposal of clean drilling media.

DRILLING EQUIPMENT	BORINGS ≤ 75 FEET COST PER FOOT	BORINGS > 75 FEET COST PER FOOT
Auger Rig		
Discrete sampling at specified intervals	$10.50	$11.50
Continuous soil sampling	$10.50	$11.50
w/o soil sampling	$10.00	$11.00
Air or Mud Rotary Rig		
Soil samples collected from drill cuttings	$16.50	$14.50
w/o soil sampling	$16.50	$14.50

4.3 Direct Push

Direct push costs shall be a lump sum amount. Investigation utilizing direct push methods may include collection and screening of groundwater samples, soil gas survey (e.g., post-run tubing vapor sampling, etc.), and/or collection of continuous or discrete soil samples. Direct push equipment costs must include rig, rods, decontamination, labor, on-site disposal of investigation derived waste or off-site disposal of clean drilling media, and any other sampling equipment or supplies necessary to complete tasks.

DIRECT PUSH EQUIPMENT	LUMP SUM	
	PER DAY	PER WEEK
Direct Push Sampling Equipment	$1500.00	$7500.00
Electrical Conductivity Probe	$1550.00	$7510.00
Membrane Interface Probe	$2050.00	$10100.00
Hydraulic Profile Tool	$1850.00	$9050.00
Laser Induced Fluorescence (LIF)	$NA	$NA
Soil Vapor Implant per well*	$ 130.00	NA

* - *optional*

4.4 Monitoring Well Installation

All monitoring well installation costs shall be per foot based on inside diameter of the well and must include all blank casing, screen, gravel pack, annular seal, grout, other installation costs, labor, and disposal of investigation derived waste.

Micro-well/piezometer installation assumes installation of a 2" inside diameter prepack or micro-monitoring well/temporary piezometer using direct push technology. Installation costs for this line item must include probing, casing, screen, gravel pack, annular seal, grouting, and labor.

	COST PER FOOT		
WELL INSTALLATION	1" ID WELL	2" ID WELL	4" ID WELL
Auger Drilling	$8.25	$10.00	$19.50
Air Rotary Drilling	$8.25	$10.00	$19.50
Mud Rotary Drilling	$8.25	$10.00	$19.50
Micro-well/Piezometer	$8.25	$10.00	NA

Note: KDHE may request larger diameter well installations based on site requirements; however, all cost inclusions will still apply.

4.4.1 Monitoring Well Completion

Well completion costs shall be per well and must include monitoring well pad, appropriate vault, water tight j-plug, locking protective cover for above-grade completions, completion of WWC-5 forms, labor, and disposal of investigation derived waste. Separate lines items should be provided for above-grade and flush-mount completions. KDHE may request a metal frame form left in place be used to protect well pads in high traffic areas and/or protective bumpers (bollards) be installed to protect above-grade completions. Line items cost for protective bollards must include a high-visible yellow or orange paint and installation.

MONITORING WELL COMPLETION PER WELL	ABOVE-GRADE	FLUSHMOUNT
1" ID Monitoring Well	$160.00	$175.00
2" ID Monitoring Well	$180.00	$200.00
4" ID Monitoring Well	$280.00	$280.00
Protective Bollards (3 per well completion)	$200.00	NA
Metal Protective Frame for Well Pad	$200.00	$200.00

Note: KDHE may request larger diameter well completions based on site requirements; however, all cost inclusions will still apply.

4.4.2 Monitoring Well Development

All wells must be properly developed no less than 24 hours after completion. Well development shall involve removal of at least the amount of any water added during the drilling and installation activities plus five times the well volume. The well volume is considered to be, for development purposes, the volume of standing water within the well casing, and the volume within the filter pack with an assumed porosity of 30%. Well development requires surging or agitating water within the screened interval to affect development of the filter pack and any formation skin by pumping rapidly and intermittently at various depths within the screened interval using a downhole pump, use of a surge block or bailer, and/or air-lift pumping; other development methods may be approved by KDHE on a site-specific basis. Well development costs shall be per well and must include all labor, necessary equipment to complete the task, and disposal of development water.

WELL DIAMETER	COST PER WELL	
	BORINGS ≤ 75 FEET	BORINGS > 75 FEET
1" Well	$75.00	$90.00
2" Well	$80.00	$110.00
4" Well	$100.00	$250.00

Note: KDHE may request larger diameter well development based on site requirements; however, all cost inclusions will still apply.

4.5 Soil Boring/Monitoring Well Plugging, Abandonment, and Repairs

Soil borings and monitoring wells will be plugged and properly abandoned in accordance with K.A.R. 28-30-7. Soil boring/monitoring well plugging costs shall be per foot and must include labor and all plugging materials and equipment necessary to permanently plug the boring or well. Monitoring well abandonment costs shall be per well and must include all necessary labor and equipment to remove the wellhead, pad, and all related materials down to the required depth of three feet, soil and debris handling, restoration, and completion of WWC-5P forms. Separate lines items should be provided for paved and unpaved areas.

Monitoring well repair costs shall be per well and separate line items should be provided for paved and unpaved areas.

ACTIVITY	Cost		
Soil Boring Plugging - Per Foot	$6.50		
	1" ID WELL	2" ID WELL	4" ID WELL
Monitoring Well Plugging – Per Foot	$ 1.00	$2.50	$5.00
Monitoring Well Abandonment – Paved Surface – Per Well	$ 100.00	$165.00	$180.00
Monitoring Well Abandonment – Unpaved Surface – Per Well	$95.00	$155.00	$170.00
Removal/Replacement of Vault and Pad – Paved Surface – Per Well	$240.00	$250.00	$270.00
Removal/Replacement of Vault and Pad – Unpaved Surface – Per Well	$210.00	$240.00	$250.00
Replace Vault Lid – Per Well	$35.00	$45.00	$55.00

4.6 Disposal for Special or Hazardous Waste

Disposal costs associated with water and soil collected during soil boring or monitoring well drilling, well development, well purging, aquifer testing, excavation, groundwater sampling, and soil gas testing will be determined on a site-specific basis prior to actual disposal. The method and location must meet all applicable regulations and will require the approval of the KDHE Project Manager or Ordering Officer. The Vendor will be responsible for obtaining signatures for all disposal authorizations for disposal of wastes associated with these activities. Disposal costs will be based on cost plus the applicable surcharge rate discussed in Section 2 for subcontract or disposal facility pricing.

5. Geophysical Logging – Optional*

Vendors shall provide line items costs to perform geophysical logging. Line item costs must include all necessary equipment, supplies, decontamination, labor, all appropriate documentation and reporting requirements, field logs, etc., and any markup costs for subcontracting.

FIELD ACTIVITY	COST PER FOOT
0 – 50 feet below ground surface	$
51 – 100 feet below ground surface	$
101 – 200 feet below ground surface	$
> 200 feet below ground surface	$

6. MODULE A: State Response Programs (Excluding Storage Tanks)

Vendors shall provide line items costs for Sections 1 through 5 above and any additional equipment, resources, and field activities to complete tasks for state program requirements. Programs may be state or federally funded.

EQUIPMENT	COST PER DAY	COST PER WEEK	COST PER MONTH
Portable Air Stripper	$	$	$
Portable Carbon Vessel	$	$	$
Nitrate Screening Ion Selective Electrode	$	$	$
Chloride Screening Ion Selective Electrode	$	$	$

Property Research Tasks

TASK	COST
Chain of Title – Per Parcel	$400.00
Lien and AUL Search – Per Property	$300.00

7. Module B: Storage Tank Programs

Vendors shall provide line items costs for Sections 1 through 5 and any additional equipment, resources, and field activities to complete tasks per federal program requirements.

8. Module C: Risk Assessment

Vendors shall provide line items costs for performing risk assessment activities.

8.1 Labor

The Vendor shall state a firm, fixed price per hour for the following labor classifications:

- Professional 5 — Associate Level (contract management, technical expert)
- Professional 4 — Senior Level (senior project management, toxicologist, risk assessor)
- Professional 3 — NA
- Professional 2 — Project Level (project manager, mid-level toxicologist or risk assessor)
- Professional 1 — Staff Level (junior toxicologist or risk assessor)
- Technical 4 — Senior Technician
- Technical 3 — Technician (environmental technician, remediation technician)
- Technical 2 — Drafting/CAD (draftsman)
- Technical 1 — Clerical

These rates shall be inclusive of all overhead charges, administrative costs and profit. Rates will be listed for actual staff employed by the Vendor at the time of the bid submission.

CLASSIFICATION	RATES PER HOUR			
	INITIAL 2 YEARS	OPTION YEAR 3	OPTION YEAR 4	OPTION YEAR 5
Professional 5	$	$	$	$
Professional 4	$	$	$	$
Professional 3	$	$	$	$
Professional 2	$	$	$	$
Professional 1	$	$	$	$
Technical 4	$	$	$	$
Technical 3	$	$	$	$
Technical 2	$	$	$	$
Technical 1	$	$	$	$

A statement of qualification shall be provided for each staff member associated with a particular classification(s). The official station location must also be defined for each staff member. For personnel and equipment mobilizations from out of state, reimbursement for travel time and mileage is expected to begin at the office closest to the site unless approved by KDHE.

KDHE shall reimburse on a "straight time" basis, therefore the Vendor should schedule to minimize overtime liabilities. The minimum time increment claimed for reimbursement shall be one quarter of an hour.

8.2 Per Diem

The Vendor shall state a firm, fixed price per diem for a single person as well as multi person drill crews. Lodging, food, and expenses shall be included in the per diem rate. Per diem is only applicable if an overnight stay is required. The per diem rate also applies to any subcontractors.

PER DIEM – PER DAY PER PERSON	$

There will be no labor charge for standby when it is necessary for a Vendor to remain on site, e.g., over the weekend. Per diem rates will be in effect. Timesheets indicating staff hours will be required if per diem is requested.

The use or rental of vehicles, equipment, materials, or other items necessary to complete the tasks will be reimbursed at cost plus the following surcharge rates. Cost associated with vehicle use or rental shall include all maintenance and insurance, as well as incidental fees. There will not be any additional mileage charge. Fuel used will be reimbursed at cost. A detailed invoice for all vehicles, equipment, materials, or other items used or rented must be submitted to KDHE for reimbursement consideration. A detailed receipt must also be submitted for any rented items.

SURCHARGE DESCRIPTION	SURCHARGE PERCENTAGE
Items less than $5,000	10%
Items between $5,000 and $25,000	8%
Items greater than $25,000	6%

Miscellaneous supplies and minor items of equipment are considered to be part of the Vendor's inventory to perform business and are not considered reimbursable.