

VEZDOR

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER DEP15729 PAGE 1

ADDRESS CORRESPONDENCE TO ATTENTION OF

GUY NISBET 304-558-8802

*709054747

304-255-2500 REI CONSULTANTS INC

PO BOX 286

BEAVER WV 25813 ENVIRONMENTAL PROTECTION,

DEPARTMENT OF DIV OF WATER AND WASTE MGT

601 57TH STREET SE CHARLESTON, WV

25304

304-926-0499

		MS OF SALE	SHIP VIA	F.O.B	FREIGHT TERMS
01/25	/2012 TE: 01/31/2	2012	BID C	 PENING TIME	:30PM
LINE	QUANTITY	UOP CAT.	ITEM NUMBER	UNIT PRICE	AMOUNT
		ADDE	NDUM NO. 1		
	ADDENDUM ISSU SCHEDULE AND		RIBUTE Q&A'S AND	REVISED BID	1
	BID OPENING I	ATE REMAIN	S: 01/31/2012 AT	1:30PM.	1
	NO OTHER CHAN	GES			
		END OF	ADDENDUM NO. 1		
001	I	S 9	61-48		
	GENERAL ANALY	SIS OF WAT	ER AND SOIL FIEL	D TESTING	
	***** THIS	IS THE END	OF RFQ DEP157	29 ***** TOTAL:	798,590.50
				<u>.</u>	
				RECE III	
				2012 JAN 31 AN 9:1	3
				TV Punc Divising	
SIGNATURE		SEE RE	VERSE SIDE FOR TERMS AND CO	DATE	
TITLE	fair	EIN	304	-255-2500	1/30/12 S TO BE NOTED ABOVE
Lab	NUEN DESPONDING	55-0668	OT NAME AND ADDRESS	IN SPACE ABOVE LABEL	

GENERAL TERMS & CONDITIONS REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.

2. The State may accept or reject in part, or in whole, any bid.

3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.

- 4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
- 5. Payment may only be made after the delivery and acceptance of goods or services.
- 6. Interest may be paid for late payment in accordance with the West Virginia Code.
- 7. Vendor preference will be granted upon written request in accordance with the West Virginia Code.
- 8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
- 10. The laws of the State of West Virginia and the Legislative Rules of the Purchasing Division shall govern the purchasing process.
- 11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
- 12. BANKRUPTCY: In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
- 13. HIPAA BUSINESS ASSOCIATE ADDENDUM: The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vrc/hipaa.html and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
- 14. CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.
- 15. LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending verify that the vendor is licensed and in good standing with the above entities.
- 16. ANTITRUST: In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or Fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

- 1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
- 2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as EQUAL to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.

3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.

4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130 5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division,

is strictly prohibited (W.Va. C.S.R. §148-1-6.6).

Addendum Q&A - DEP15729

- Q1. What is the matrix for the radiochemistry parameters (Line No.s 83-92)? Are they both aqueous and solid, or just for aqueous matrix?
- A. Both liquid and solid. See revised bid schedule.
- Q2. For those parameters (Line No.) that we will not bid, how should this be indicated on the Vendor's Bid Sheet?
- A. The vendor would leave those lines blank. The DEP is aware that all labs are not certified to conduct all of the analyses requested.
- Q3. Referring to Appendix A Group A, one of the constituents listed is "Dissolved Manganese", yet in the next column the request is for "(Total)" which indicates the State is looking for "all species in the groundwater that contain this element...". Please clarify whether the State is requesting Dissolved Manganese or Total Manganese as Dissolved Manganese requires an additional step prior to preparation and analysis.
- A. This is Total Manganese. See revised bid schedule and revised Appendix B.
- Q4. Will a line item be added for the cost of sample containers and preservatives that may be requested by the department as per page 11?
- A. No. This cost is considered incidental to and included in the cost of each test.
- Q5. Did the WV DEP previously make one award or multiple?

A. Multiple

- Q6. Under step 3-Quality Control It lists that sample duplicates are to be run at a frequency of 1 per 10 and that spikes are to be analyzed at a frequency of 1 per 10. Although that is the case for some general wet chemistry techniques the standard for SW-846 6000 and 8000 series methods is 1 per 20. Is this acceptable?
- A. Yes, for SW-846 methods 1 in 20 or 5% is acceptable frequency for duplicates and spikes. Preference is for matrix spikes and matrix spike duplicates for SW-846 methods.
- Q7. Will sufficient sample be provided to facilitate duplicate and spike QC?
- A. Yes, different labs may require different sample volumes. DEP will provide the volumes needed by the labs.
- Q8. Will WV DEP designate the samples that are to be run as the duplicates and spikes?
- A. If there is some reason to need extra QC for a particular sample, we would want the option to designate certain samples for matrix spikes and/or duplicates.
- Q. 9. There are several routine packages requested by the inspectors that are not included in the bid. Can we add a price for them or just bill them separately out of contract?
- A. No. The vendor is to bid only on what is included in the specifications. Separate contracts exist for other needed routine packages.

ANALYSIS OF WATER AND SOIL DEP15729

Vendor's Bid Sheet

Vendors Name:	REI	CONSULTANTS,	INC.

The DEP reserves the right to request additional information and supporting documentation regarding unit prices when the unit price appears to be unreasonable.

ITEM NO	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT
	7. W. W.					
1	4000	На	SM 4500-H+B	N/A	\$ 6.00	\$ 24,000.00
JA	10	pH (Solid)	SW 9045C	N/A	\$ 6.00	\$ 60.00
2	4000	Hot Acidity	SM 2310B	5 mg/l	S 12.00	\$ 48,000.00
2/	1000	Hot Acidity Alt. Method	N/A	N/A	S N/A	\$ N/A
3	4000	Alkalinity	SM 2320 B	5 mg/L	\$ 10.00	\$40,000.00
3A	1000	Alkalinity Alt. Method	N/A	N/A	\$ N/A	\$N/A
4	500	Hardness	SM 2340B	1 mg/L	\$ 10.00	\$ 10,000.00
4A	100	Hardness Alt, Method	N/A	N/A	Ş N/A	\$N/A
4B	10	Hardness (Solid)	N/A	N/A	S N/A	\$N/A
5	1000	Specific Conductance	SM 2510B	3 uS/cm²	S 10.00	§ 10,000.00
5A	500	Specific Conductance Alt. Method	N/A	NA	\$ N/A	S N/A
6	4000	Sulfate	E 300.0	5 mg/L	§ 12.00	\$ 48,000.00
6A	1000	Sulfate Alt, Method	N/A	N/A	S N/A	\$ N/A
6B	10	Sulfate (Solid)	SW 9056	10 M/KG	\$ 12.00	\$ 120.00
7	20	Sulfide	SW 9034	1 mg/L	\$ 15.00	\$300.00
7/	10	Sulfide Alt. Method	N/A	N/A	\$ N/A	\$ N/A
8	20	Turbidity	E 180.1	1 NTU (higher OK if highly turbid)	\$ 10.00	\$ 200.00
8A	10	Turbidity Alt. Method	N/A	N/A	\$ N/A	\$ N/A
9	300	Bromide	E 300.0	0.1 mg/L	\$ 12.00	\$ 3,600.00
9A	10	Bromide Alt. Method	N/A	1 mg/L	Ş N/A	S N/A
9B	10	Bromide (Solid)	SW 9056	1.0 MG/KG	\$ 12.00	\$ 120.00
10	3000	Chloride	E 300.0	5 mg/L	\$ 12.00	\$ 36,000.00
10A	100	Chloride Alt, Method	N/A	N/A	\$ N/A	\$ N/A
10B	10	Chloride (Solid)	SW 9056	1.0 MG/KG	\$ 12.00	\$ 120.00
11	25	Fluoride	E 300.0	0.2 mg/L	\$ 12.00	\$ 300.00
11A	10	Fluoride Alt. Method	SM 4500- FBC	0.01 MG/L	\$ 12.00	\$ 120.00
11B	10	Fluoride (Solid)	SW 9056	0.5 MG/KG	\$ 12.00	\$ 120.00
12	4000	Fecal Coliform (MF)	SM 9222D	4 cfu/100 mL	\$ 20.00	\$ 80,000.00
12A	1000	Fecal Coliform (MF) Alt. Method	N/A	N/A	\$ N/A	\$N/A
13	100	Fecal Coliform (MPN)	SM 9223B-QT	4 cfu/100 mL	\$ 35.00	\$ 3,500.00
13/	50	Fecal Coliform (MPN) Alt. Method	N/A	N/A	S N/A	S N/A
14	20	Total Coliform	SM 9223B-PA	PRESENT/ABSENT	\$ 20.00	\$ 400.00
15	25	Total Solids	SM 2540B	1 mg/L	\$ 10.00	\$ 250.00
15A	10	Total Solids Alt. Method	N/A	N/A	\$ N/A	ŞN/A
15B	10	Total Solid (Solid)	SM 2540G	1 MG/KG	\$ 10.00	\$100.00
16	3000	Dissolved Solids (TDS)	SM 2540C	1 mg/L	\$ 10.00	\$30,000.00
16A	1000	Dissolved Solids (TDS) Alt. Method	N/A	N/A	\$ N/A	\$ N/A
17	4000	Suspended Solids (TSS)	SM 2540D	3 mg/L	\$ 10.00	\$40,000.00

ITEM NO.	EST: QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUN1"
17A	1000	Suspended Solids (TSS) Alt. Method	N/A		\$ N/A	\$ N/A
18	25	Settleable Solids	SM 2540F		\$ 10.00	\$ 250.00
18A	10	Settleable Solids Alt. Method	N/A	N/A	\$ N/A	\$ N/A
19	25	Volatile Solids	SM 2540E	1 mg/L	\$ 10.00	\$ 250.00
19A	10	Volatile Solids Alt. Method	N/A	N/A	\$ N/A	\$ N/A
19B	10	Volatile solid (Solid)	SM 2540G	1%	\$ 10.00	\$ 100.00
20	25	Percent Solids	SM 2540G		\$ 10.00	\$ 250.00
20A	10	Percent Solids Alt. Method	N/A	N/A	\$ N/A	\$ N/A
-	10	Percent Solids (Solid)	SM 2540G		\$ 10.00	\$ 100.00
20B		Kjeldahl Nitrogen	SM 4500-NORGO		\$ 21.00	\$ 8,400.00
21	400	Kjeldahl Nitrogen Alt. Method	N/A	417.11.0	\$ N/A	\$ N/A
21A	100		SM 4500-NORGO		\$ 21.00	\$ 210.00
21B	10	Kjeldahl Nitrogen (Solid)	N/A		\$ N/A	S N/A
21C	10	Kjeldahl Nitrogen Alt, Method (Solid)	E 350.1	0.1 mg/L	\$ 12.00	\$ 600.00
22	50	Ammonia Nitrogen	N/A	N/A	\$ N/A	S N/A
22A	10	Ammonia Nitrogen Alt. Method	SM 4500-NH3B	AMILIO SEA	\$ 12.00	\$ 120.00
22B	10	Ammonia Nitrogen (Solid)	N/A		\$ N/A	S N/A
22C	10	Ammonia Nitrogen Alt. Method (Solid)		N/A	\$ 30.00	\$ 1,500.00
23	50	Organic Nitrogen	E351.2/350.1	0.5 mg/L N/A	S N/A	\$ N/A
23A	10	Organic Nitrogen Alt, Method	N/A		\$ 12.00	\$ 600.00
24	50	Nitrate-Nitrogen	E300.0	0,05 mg/L N/A	\$ N/A	S N/A
24/	10	Nitrate-Nitrogen Alt, Method	N/A			\$ 600.00
25	50	Nitrite-Nitrogen	E 300.0	0.05 mg/L	\$ 12.00	S N/A
25∧	10	Nitrite-Nitrogen Alt. Method	N/A	N/A	\$ N/A	\$ 120.00
25B	10	Nitrite-Nitrogen (Solid)	SW 9056	0.5 MG/KG	\$ 12.00	
25C	10	Nitrite-Nitrogen Alt. Method (Solid)	N/A	N/A	\$ N/A	\$ N/A
26	400	Nitrite-Nitrate	E 300.0	0.05 mg/L	\$ 12.00	\$ 4,,800.00
26A	100	Nitrite-Nitrate Alt. Method	N/A	N/A	\$ N/A	\$ N/A
26B	10	Nitrite-Nitrate (Solid)	SW 9056	0.2 MG/KG	\$ 12.00	\$ 120.00
26C	10	Nitrite-Nitrate Alt. Method (Solid)	N/A	N/A	\$ N/A	\$ N/A
27	400	Total Phosphorus	SM 4500-PBE	0.01 mg/L	\$ 18.00	\$7,200.00
27A	100	Total Phosphorus Alt. Method	N/A	N/A	\$ N/A	\$N/A
27B	10	Total Phosphorus (Solid)	SW 6010C	1.0 MG/KG	\$ 7.20	\$ 72.00
27C	10	Total Phosphorus Alt. Method (Solid)	N/A	N/A	\$ N/A	S N/A
28	50	Orthophosphate	E 300.0	0.01 mg/L	\$ 12.00	\$ 600.00
28A	10	Orthophosphate Alt. Method	N/A	N/A	S N/A	S N/A
29	50	Total Phosphate	SM 4500-PBE	0.01 mg/L	\$ 18.00	\$ 900.00
29A	10	Total Phosphate Alt. Method	N/A	N/A	S N/A	\$ N/A
29B	10	Total Phosphate (Solid)	SW 6010C	1.0 MG/KG	\$7.20	\$ 72.00
29C	10	Total Phosphate Alt. Method (Solid)	N/A	N/A	SN/A	S N/A
	25	BOD	SM 5210B	2 mg/L	\$20.00	\$500.00
30	10	BOD Alt. Method	N/A	N/A	SN/A	S N/A
30A		BOD-carbonaceous	SM 5210B	2 mg/L	\$ 21.00	\$ 525.00
31	25	BOD-carbonaceous Alt. Method	N/A	N/A	S N/A	S N/A
31A	10		E 410.4	0.5 mg/L	\$ 20.00	\$ 500.00
32	25	COD Alt Mathed	N/A	N/A	S N/A	S N/A
32A	10	COD Alt. Method	SM 5310C	1 mg/L	\$ 21.00	\$ 525.00
33	25	TOC	N/A	N/A	S N/A	\$ N/A
33A	10	TOC Alt, Method		0.05 mg/L	\$ 27.00	\$ 675.00
34	25	MBAS	SM 5540C		S N/A	\$ N/A
34A	10	MBAS Alt. Method	N/A E 420.1	N/A	\$ 34.00	\$ 850.00
35	25	Phenolics	N/A	0.01 mg/L	\$ 34.00 \$ N/A	
35A	10	Phenolics Alt. Method		N/A 0.05 MG/KG		\$ N/A \$ 34.00
35B	10	Phenolics (Solid)	SW 9065		4	\$ 650.00
36	25	Total Cyanide	E 335.4	0.005 mg/L	\$ 26.00	\$ 850.00 \$ N/A
36A	10	Total Cyanide Alt. Method	N/A	N/A	\$ N/A	2 2/1

TEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT.
		Total Cyanide (Solid)	SW9010/9012A	0.04 MG/KG	\$ 26.00	\$ 260.00 \$ 5,200.00
6B	10	Hexavalent Chromium	SM 3500-CRD	0.005 mg/L	\$ 26.00	
37	200	Hexavalent Chromium Alt. Method	N/A	N/A	\$ N/A	\$ N/A
71	10	Hexavalent Chromium (Solid)	SW 7196A	0.005 MG/KG	\$ 26.00	\$ 260.00
37B	10	Hexavalent Chromium (Solid)	E 1664	2 mg/L	\$ 25.00	\$ 625.00
38	25	Oil-Grease	N/A	N/A	S N/A	\$ N/A
38A	10	Oil-Grease Alt. Method	SW 9071	0.001%	\$ 75.00	\$ 750.00
38B	10	Oil-Grease (Solid)	E 446.0	0.5 ug/L	\$ 35.00	\$ 3,500.00
39	100	Chlorophyll A	N/A	N/A	\$ N/A	\$ N/A
39A	20	Chlorophyll A Alt. Method	SM 2120B	5 color units	\$ 12.00	\$ 300.00
40	25	Color (APHA)	N/A	N/A	\$ N/A	\$ N/A
40A	10	Color (APHA) Alt. Method	SM 2120E	10 ADMI value	\$ 50.00	\$1,250.00
41	25	Color (ADMI)	N/A	N/A	\$ N/A	\$ N/A
41A	10	Color Alt. Method	E 335.4	0.005 mg/L	\$ 32.00	\$ 800.00
42	25	Cyanide, Amenable	N/A	N/A	S N/A	\$ N/A
42A	10	Cyanide, Amenable Alt. Method		0.005 mg/L	\$ 32.00	\$ 800.00
43	25	Cyanide, Free (ASTM)	E 335.4 N/A	N/A	\$ N/A	S N/A
43A	10	Cyanide, Free Alt. Method	SM 2310B	1 mg/L	\$ 13.00	\$ 325.00
44	25	Mineral Acidity	Contract Con		\$ N/A	S N/A
44A	10	Mineral Acidity Alt. Method	N/A	N/A	\$ 11.00	\$ 275.00
45	25	Total Acidity	SM 2310B	1 mg/L	S N/A	S N/A
45A	10	Total Acidity Alt. Method	N/A	N/A	3	
46	25	Tot Petroleum Hydrocarbons GRO/DRO (8015)	SW 8015B	0.5 mg/L	\$ 65.00	S 1,625.00
46A		Tot Petroleum Hydrocarbons GRO/DRO	SW 8015B	0.5 MG/KG	§ 65.00	\$ 650.00
	10	(8015) (Solid)	SM 9230C	4 cfu/100 mL	\$ 55.00	\$ 1,375.00
47	25	Fecal Streptococci Fecal Streptococci Alt. Method	N/A	N/A	S N/A	\$ N/A
47A		Fecal Streptococci Ait. Method	SM 9230C	1COL/100ML		\$ 550.00
47B		Fecal Streptococci (Solid)	SM 9223B-QT	1 cfu/100 mL	\$ 55.00	\$ 1,375.00
48	25	Escherichia Coli (Numeric Result)	N/A	N/A	\$ N/A	\$ N/A
48A		E. Coli (Numeric Result) Alt. Method	N/A	1 efu/100 mL	\$ N/A	S N/A
49	100	Enterococci	HACH-BART	CFU/ML	\$ 50.00	\$ 1,000.00
50	20	Iron Bacteria		CFU/ML	\$ 50.00	\$ 1,000.00
51	20	Sulfate Reducing Bacteria	HACH-BART SM 2320B	1 mg/L	\$ 11.00	\$ 275.00
52	25	Bicarbonate (Standard Methods)	N/A	N/A	S N/A	S N/A
52A	10	Bicarbonate Alt. Method	SM 3500-FEI		\$ 30.00	\$ 750.00
53		Ferrous Iron (Standard Methods)		N/A	S N/A	\$ N/A
53A	_	Ferrous Iron Alt. Method	N/A	J mg/L	\$ 21.00	\$ 525.00
54		Dissolved Organic Carbon	SM 5310C	N/A	\$ N/A	S N/A
54/		Dissolved Organic Carbon Alt. Method	N/A		\$ 7.20	\$ 28,800.0
55		Aluminum	E 200.7	0,005 mg/L	\$ N/A	S N/A
55A		Aluminum - Alt, method	N/A	0.3 MG/KG		\$ 72.00
551		Aluminum (Solid)	SW 6010C		\$ 7.20	S 144.00
56		Antimony	E 200.7	0.005 mg/L	0 10 60	S 126.00
56/		Antimony Alt. Method	E 200.8	0.002 MG/		\$ 72.00
561		Antimony (Solid)	SW 6010C	1.0 MG/KG	Ψ	\$ 144.00
-		Arsenic	E 200.7	0.005 mg/L	0 12 60	\$ 126.00
57		Arsenic Alt, Method	E 200.8	0.001 MG/I		Ψ
57/		Arsenic (Solid)	SW 6010C	1.0 MG/KG		\$ 144.00
571			E 200.7	0.005 mg/L	10 00	\$ 126.00
58		Barium Davium Alt Method	E 200.8	0.001 MG/	7 00	\$ 126.00
58,		Barium Alt, Method	SW 6010C	0.20 MG/K	g \$ 7.20	\$ 72.00
58	CO. 11 CO. 12 CO	Barium (Solid)	E 200.8	0.00008 mg/	L \$ 40.00	\$ 800.00 \$ 72.00
-		Beryllium			4 7 00	10 72 00
59		Beryllium Alt. Method	E 200,7	0.002 MG/	S 7.20	\$ 72.00

ITEM NO	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT
60	20	Boron	E 200.7	0.02 mg/L	§ 7.20	\$ 144.00
60A	10	Boron Alt, Method	N/A	N/A	S N/A	\$ N/A
60B	10	Boron (Solid)	SW 6010C	2.0 MG/KG	\$ 7.20	\$ 72.00
61	200	Cadmium	E 200.8	0.00005 mg/L	\$ 12.60	\$ 2,520.00
61A	200	Cadmium Alt, Method	E 200.7	0.0002 MG/L	\$ 7.20	§ 144.00
61B	10	Cadmium (Solid)	SW 6010C	0.1 MG/KG	§ 7.20	\$ 72.00
62	500	Calcium	E 200.7	0.02 mg/L	\$ 7.20	\$ 3,600.00
62A	20	Calcium Alt. Method	N/A	N/A	S N/A	\$ N/A
	10	Calcium (Solid)	SW 6010C	5.0 MG/KG	\$ 7.20	\$ 72.00
62B		Chromium	E 200.7	0.001 mg/J	s 7.20	\$ 144.00
63	20	Chromium Alt, Method	E 200.8	0.001 MG/L	S 12.60	\$ 126.00
63A	10		SW 6010C	0.2 MG/KG	\$ 7.20	\$72.00
63B	10	Chromium (Solid)	E 200.7	0.001 mg/L	\$ 7.20	\$ 144.00
64	20	Cobalt	E 200.8	0.001 Mg/L	S 12.60	\$ 126.00
64A	10	Cobalt Alt. Method	SW 6010C		\$ 7.20	\$ 72.00
64B	10	Cobalt (Solid)	E 200.7	0.2 MG/KG 0.001 mg/L	\$ 7.20	\$ 1,440.00
65	200	Copper	E 200.8	0.001 Mg/L	S 12.60	\$252.00
65A	20	Copper Alt. Method	SW 6010C	0.001 MG/E	\$ 7.20	\$ 72.00
65B	10	Copper (Solid)	E 200.7		\$ 7.20	\$ 21,600.00
66	3000	Iron	N/A	0.01 mg/L	\$ N/A	S N/A
66A	100	Iron Alt. Method		N/A		\$ 72.00
66B	10	Iron (Solid)	SW 6010C	0.5 MG/KG	\$ 7.20	\$ 1,440.00
67	200	Lead	E 200.7	0.00054 mg/L	\$ 7.20 \$ 12.60	\$ 126.00
67A	10	Lead Alt. Method	E 200.8	0.0002 MG/L		\$ 72.00
67B	10	Lead (Solid)	SW 6010C	1.0 MG/KG	Çi	17
68	500	Magnesium	E 200.7	0.05 mg/L	ý.	\$ 3,600.00 \$ 252.00
68A	20	Magnesium Alt, Method	E 200.8	0.05 MG/L	\$ 12.60	\$ 72.00
6813	10	Magnesium (Solid)	SW 6010C	1.0 MG/KG		
69	3000	Manganese	E 200.7	0.005 mg/L	10	\$ 21,600.00
69A	100	Manganese Alt. Method	E 200.8	0.001 MG/L	\$12.60 \$7.20	\$ 1,260.00
69B	10	Manganese (Solid)	SW 6010C	0.2 MG/KG	\$ 20.00	\$ 72.00
70	200	Mercury	E 245.1	0.0001 mg/L		\$ 4,000.00
70A	200	Mercury / Method 1631E	1631E	0.5 ng/L	\$ 44.20	\$ 8,840.00 \$ 200.00
70B	10	Mercury (Solid)	SW 7471B	0.02 MG/KG	\$ 20.00	10
71	20	Molybdenum	E 200.7	0,005 mg/L	\$ 7.20	\$ 144.00
71A	10	Molybdenum Alt, Method	E 200.8	0.001 MG/L	\$ 12.60	\$ 126.00
71B	10	Molybdenum (Solid)	SW 6010C	0.7 MG/KG	\$ 7.20	\$ 72.00
72	200	Nickel	E 200.7	0.005 mg/L	\$ 7.20	\$ 1,440.00
72A	20	Nickel Alt. Method	E 200.8	0.002 MG/L	\$12.60	\$ 252.00
72B	10	Nickel (Solid)	SW 6010C	0.2 MG/KG	\$7.20	\$ 72.00
73	500	Potassium	E 200.7	0.05 mg/L	\$7.20	\$ 3,600.00
73A	20	Potassium Alt, Method	N/A	N/A	\$ N/A	\$ N/A
73B	10	Potassium (Solid)	SW 6010C	2.0 MG/KG	\$ 7.20	\$ 72.00
74	500	Selenium	E 200.7	0,001 mg/L	\$ 7.20	\$ 3,600.00
74/	20	Sclenium Alt, Method	SM3114B/SW7	742M 0.0001 MG/	1\$ 30.00	\$ 600.00
74B	10	Selenium (Solid)	SW 6010C	1.0 MG/KG	\$ 7.20	\$ 72.00
75	200	Silver	E 200.8	0.000072 mg/L	\$ 12.60	\$ 2,520.00
75A	200	Silver Alt, Method	E 200.7	0.002 MG/L	\$ 7.20	\$ 144.00
	10	Silver	SW 6010C	0.1 MG/KG	\$ 7.20	\$ 72.00
75B		Sodium	E 200.7	0.05 mg/L	\$ 7.20	\$ 3,600.00
76	500		N/A	N/A	\$ N/A	S N/A
7/1	20	Sodium Alt, Method	SW 6010C	3.0 MG/KG	\$ 7.20	\$ 72.00
76A	1	loadium (Calid)				
76B	10	Sodium (Solid)				\$ 1,440.00
	1	Sodium (Solid) Strontium Strontium Alt, Method	E 200.7 E 200.8	0.001mg/L 0.001 MG/L	\$ 7.20 \$ 12.60	\$ 1,440.00 \$ 252.00

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT
10000						
78A	10	Thallium Alt. Method	E 200.8	0.002 MG/L	\$ 12.60	\$ 126.00
78B	10	Thallium (Solid)	SW 6010C	1.0 MG/KG	\$ 7.20	\$ 72.00
79	20	Tin	E 200.7	0.02 mg/L	\$ 7.20	\$ 144.00
79A	10	Tin Alt, Method	E 200.8	0.001 MG/L	\$ 12.60	\$ 126.00
79B	10	Tin (Solid)	SW 6010C	1.0 MG/KG	\$ 7.20	\$ 72.00
80	20	Vanadium	E 200.7	0.005 mg/L	\$ 7.20	\$ 144.00
80A	10	Vanadium Alt. Method	E 200.8	0.001 MG/L	\$ 12.60	\$ 126.00
80B	10	Vanadium (Solid)	SW 6010C	0.2 MG/KG	\$ 7.20	\$ 72.00
81	200	Zinc	E 200.7	0.002 mg/L	\$ 7.20	\$ 1,440.00
81A	200	Zinc Alt. Method	E 200.8	0.003 MG/L	\$ 12.60	\$ 252.00
81B	10	Zinc (Solid)	SW 6010C	0.5 MG/KG	\$ 7.20	\$ 72.00
82	200	Metals Prep Cost	E 200.2	N/A	\$ 10.00	\$ 2,000.00
82A	10	Metals Prep Cost (Solid)	SW 3050B	N/A	\$ 15.00	\$ 150.00
83	20	Gross Alpha			\$ 78.00	\$1,560.00
83A	10	Gross Alpha (Solid)			\$ 78.00	\$780.00
84	20	Gross Beta			\$ 78.00	\$ 1,560.00
84A	10	Gross Beta (Solid)			\$ 78.00	\$ 780.00
85	20	Ra-226			\$ 100.00	\$ 2,000.00
85A	10	Ra-226 (Solid)			\$ 100.00	\$ 1,000.00
86	20	Ra-228			\$ 100.00	\$ 2,000.00
86A	10	Ra-228 (Solid)			\$ 100.00	\$ 1,000.00
87	20	Total Uranium			\$75.00	\$ 1,500.00
87A	10	Total Uranium (Solid)			\$100.00	\$ 1,000.00
88	20	Sr-89			\$ 125.00	\$ 2,500.000
88A	10	Sr-89 (Solid)			\$ N/A	\$ N/A
89	20	Sr-90			\$ 125.00	\$2,500.00
89A	10	Sr-90 (Solid)			\$ 150.00	\$ 1,500.00
90	20	Tritium (H3)			\$ 75.00	\$ 1,500.00
90A	10	Tritium (H3) (Solid)			\$ 125.00	\$ 1,250.00
91	20	Ganuna (Cs-137)			\$ 95.00	\$ 1,900.00
91A	10	Gamma (Cs-137) (Solid)			\$ 100.00	\$1,000.00
92	20	Radon			\$75.00	\$1,500.00
92A	10	Radon (Solid)			\$N/A	\$ N/A

		Toxicity Testing - Freshwater Organisms		
		Acute:	14 000 00	٦٥
93	25	Ceriodaphnia	\$ 309.75	\$ 7,743.75
94	10	Daphnia Pulex / D. magna	\$ 309.75	\$ 3,097.50
95	25	Pimephales promelas	\$ 414.75	\$ 10,368.75
		Chronic:		T:
96	25	Ceriodaphnia	\$ 1,044.75	\$26,118.75
97	25	Pimephales promelas (Survival & Growth)	\$ 1,464.75	\$36,618.75
98	200	Analysis of entire "Phase I Parameters" for landfills	\$ 580.00	\$116,000.0

See Appendix A for list,

99	10	Professional staff representation of data in	\$ 110.00 \$ 1,100	.00
ا لالا	10	legal/administrative setting per hour		

00	24	Charleston Office, 601 57th St., SE, Charleston, WV 25304 Teays Office, P.O. Box 662, Teays, WV 25596 Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554 Romney Office, HC 63, Box 2545, Romney, WV 26757 French Creek Office, P.O. Box 38, French Creek, WV 26218 Wheeling Office, 131A Peninsula St., Wheeling, WV 26003 Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010	\$ N/C M-F \$N/C THURS. \$ 200.00 \$ 100.00 \$ N/C TUES.	\$ N/C M-F \$ N/C THURS. \$ 4,800.00 \$ 2,400.00 \$ N/C TUES.
02 03 04 105	24 24 24 24	Romney Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554 Romney Office, HC 63, Box 2545, Romney, WV 26757 French Creek Office, P.O. Box 38, French Creek, WV 26218 Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	\$ 200.00 \$ 100.00 \$ N/C TUES.	\$ 1,800.00 \$ 2,400.00
02 03 04 105	24 24 24 24	Romney Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554 Romney Office, HC 63, Box 2545, Romney, WV 26757 French Creek Office, P.O. Box 38, French Creek, WV 26218 Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	\$ 200.00 \$ 100.00 \$ N/C TUES.	\$ 4,800.00
104	24 24 24	Romney Office, HC 63, Box 2545, Romney, WV 26757 French Creek Office, P.O. Box 38, French Creek, WV 26218 Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	\$ 200.00 \$ 100.00 \$ N/C TUES.	\$ 4,800.00
104	24 24 24	Romney Office, HC 63, Box 2545, Romney, WV 26757 French Creek Office, P.O. Box 38, French Creek, WV 26218 Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	\$ 100.00 \$ N/C TUES.	\$ 2,400.00
104	24	French Creek Office, P.O. Box 38, French Creek, WV 26218 Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	\$ 100.00 \$ N/C TUES.	\$ 2,400.00
104	24	French Creek Office, P.O. Box 38, French Creek, WV 26218 Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	\$ N/C TUES.	
105	24	Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	\$ N/C TUES.	
105				\$ N/C TUES.
				3 N/C TUES.
106	24	ID. 1 hor Office 2211 Ohio Ave. Paykarshurg. WV 26010		
106	24	In the street of the Atlanta Ave Portershurg WV 26010	le vila uno	S N/C WED.
		Parkersburg Onice, 2311 Onio Ave., Faikersburg, 174 20010	\$ N/C WED.	3 17 C 1122 .
			§ N/C M-F	\$ N/C M-F
107	24	Oak Hill Office, 116 Industrial Dr., Oak Hill, WV 25901		
		1	\$ N/C TUES.	\$ N/C TUES.
108	24	Logan Office, 1101 George Kostas Dr. Logan, 25601	***************************************	
<u> </u>		1	\$ N/C THURS.	S N/C THURS
109	24	Philippi Office, 105 S Railroad St. Philippi WV 26416		
		Tw. 1-1-000 - 211 Count St. Wolch 24901	\$ 100.00	\$ 2,400.00
110	24	Welch Office, 311 Court St. Welch 24801		
•	6000	Other locations as Cost Per Mile to pickup site	\$ 1.00	\$ 5,000.00
111	5000	Other locations as Cost ver time to plentip on		
112	10	24 Hour Turn-Around Rush Orders**	\$	# 50%
112		24 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1 1 2 1		
113	10	48 Hour Turn-Around Rush Orders**	\$	# 25%
113				
114	10	72 Hour Turn Around Rush Orders**	\$	# 10%
00000000	30000000			

All unit pricing quoted should be based on standard (not to exceed two weeks) turn-around time.

^{*} For Alternate test methods (and methods for which no MDL is listed), list your current method detection limit for each method

^{**}During emergency situations samples may be requested on a quicker turn-around basis. Enter percent increas over standard turn-around time.

Appendix B - Phase 1 Dectection Monitoring

Constituents for Phase I Detection Monitoring GROUP A: Inorganic Constituents

GROUP A: Inorganic Constit	uents		
COMMON NAME		CAS RN	Bid as package
Acidity	-a ==	(Total)	(Groups A and B combined)
Aluminum		(Total)	
Alkalinity		(Total)	
Ammonia Nitrogen		(Total)	
Antimony		(Total)	
Arsenic)		(Total)	
Barium		(Total)	
Beryllium		(Total)	
Bicarbonates		(mg/l)	
Boron		(Total)	
Cadmium		(Total)	
Chlorides		(Total)	
Chromium		(Total)	
Cobalt		(Total)	
COD		(mg/l)	
Copper		(Total)	
Manganese		(Total)	
Iron		(Total)	
Lead		(Total)	
Magnesium		(Total)	
Mercury		(Total)	
Molybdenum		(Total)	
Nickel		(Total)	
Nitrate		(Total)	
рН		(Std. Units)	
Potassium		(Total)	
Selenium		(Total)	
Silver		(Total)	
Sodium		(Total)	
Specific Conductance		(umhos/cm)	
Sulfate		(Total)	
TDS		(mg/l)	
Thallium		(Total)	
TOC		(mg/l)	
Total Phenolic Materials		(Total)	
TSS		(Total)	
Turbidity		(Total)	
Vanadium		(Total)	
Zinc		(Total)	

In addition to the above, the following parameters should be analyzed: Temperature, (BOD-5-day),flouride and calcium.



RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

Post Office Box 286 • Beaver, WV 25813 • 800.999.0105 304.255.2500 • 304.255.2572(fax)

vebsite: www.reiclabs.com

Improving the environment, one client at a time...

January 16, 2012

Mr. Guy Nisbet
State of West Virginia
Department of Environmental Protection
Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304

SUBJECT: RFQ DEP 15729, "General Analysis of Water and Soil Field Testing"

Dear Mr. Nisbet:

REI Consultants, Inc. (REIC) is pleased to submit this quotation for organic analysis of water and soil/tissue samples, as specified in the subject RFQ. REIC has very successfully and competently provided the requested services for the Department Environmental Protection for the past several years. The following sections of this quotation briefly describe REIC's extensive capabilities and offerings directly related to this procurement. Attached to this letter are a summary table of qualifications for relevant staff, a copy of our DEP lab certifications, our price proposal, an executed Vendor Preference Certificate, and an executed, notarized Purchasing Affidavit.

REIC Capabilities

Staff. REIC's staff includes over 100 accomplished scientists and support staff. The leadership team members are all environmental professionals with extensive experience ranging from research to compliance monitoring. REIC's supportive, quality-targeted management approach has resulted in minimal turnover of key staff throughout the company's history. The qualifications and experience of key staff providing organic analysis services is shown on the attached table. As this summary demonstrates, REIC's staff are very experienced in conducting analysis of environmental samples and interpreting the analytical results.

REIC's lead scientists are very capable of providing expert testimony regarding environmental analysis methods and results. Dr. Clarence Haile, Lab Director, and Mr. Raymond Erickson, Assistant Lab Director have considerable experience providing expert testimony and sworn affidavits.



Facilities and Equipment. REIC's main laboratory a 30,000 square foot facility located at the corporate headquarters near Beckley, West Virginia. The laboratory, built specifically to REIC's specifications, includes dedicated areas for sample login and storage, sample preparation and analysis, and administrative functions, including information management. Our Volatile Organics Laboratory is located in an isolated portion of the facility with a fully isolated and dedicated HVAC system. Our Biological Division, including our bioassay laboratory is located in a separate building on our headquarters campus.

REIC's analytical equipment includes (but is not limited to):

- 12 Gas Chromatographs
- 8 GC/MS Systems
- 2 HPLCs
- 2 ICPs
- 2 ICP/MS
- 3 Ion Chromatographs
- Low Level Selenium Analyzer
- Mercury Analyzer
- Discrete Analyzer
- TOC Analyzer

Laboratory Certifications. REIC's laboratories are accredited to perform a full range of environmental analyses in several states. A copy of our current DEP certifications is attached.

REIC's Value-Added Services.

Courier Services. REIC operates an extensive courier network to deliver sample containers and pick up samples from most clients in our service area. Daily service is available in the Beckley, Charleston, and Huntington areas and points in between. Other major population centers are scheduled for service at least weekly. Most needs outside our normal schedules can be accommodated by simply calling our Sample Custody group. Our courier resources include 7 dedicated vehicles based in West Virginia (5 from our Beckley headquarters and 1 in Charleston) and 2 dedicated vehicles based in Ashland, KY. Three additional vehicles are available to be deployed as needed. For extremely urgent needs, REIC has a light aircraft and a full-time professional pilot available that can land in most small airports in the state.

Emergency Contact. Occasionally client needs arise outside normal business hours. When clients call after hours, they have an option to leave a message in an Emergency Voicemail Box. This mailbox is programmed to call a designated emergency number every 10 minutes until the message is retrieved. REIC makes every effort to be responsive to client emergency needs.

REIC's Price Proposal

REIC's price proposal is attached and presented using the forms specified in the Request for Quotation.

Summary

REIC provides the capabilities and value-added services required by DEP for this program, including expert testimony as needed. Our courier services and emergency contact system ensures outstanding support for successful testing projects. And, REIC proposed to provide these services at the same pricing as previous contracts.

Please do not hesitate to contact me if you have any questions regarding our quotation or need further information.

Sincerely,

Clarence L. Haile, Ph.D.

Executive Vice President/Laboratory Director

REI Consultants, Inc.

REIC Staff Qualifications

Name	Current Position	Qualifications
Dr. Clarence L. Haile	Laboratory Director	PhD in Environmental Chemistry with 34 years research and laboratory management experience
Ray Erickson	Assistant Lab Director	BS in Biochemistry with 28 years laboratory management and research experience
Brenda Barnett	Quality Assurance Officer	BS in Biology with 13 years laboratory/quality assurance experience
Jimmy Suttle	Project Manager	19 years sampling/sample custody/project management experience
Ivan Leef	Inorganics Lab Manager	BS in Chemical Engineering with 23 years laboratory experience
Tammy Church	Organics Lab Manager	BS in Chemistry with 15 years laboratory experience
Dennis Layne	Metals Lab Supervisor	Associate in Science with 15 years metals laboratory experience
Jennifer Dunford	Metals Analyst	BS in Natural Science/Ecology with 8 years laboratory experience
Destiny Duncan	Wet Chemistry Analyst	BS in Biology with 7 years laboratory experience
Jay Jones	Wet Chemistry Supervisor	10 years laboratory experience
Josh Cox	Organic Analyst	AA in Environmental Technology with 12 years laboratory experience
Clayton Scott	Organic Analyst	BS in Environmental Science with 5 years laboratory experience
Allison Ford	Organic Analyst	5 years of laboratory experience
Joy Mullins	Project Manager/ Supervisor, Mid-Ohio Valley Service Center	BS in Chemistry with 15 years of laboratory experience
Erin Bryant	Supervisor, Roanoke Service Center	BS in Biology with 9 years of laboratory experience
Todd Gibson	Supervisor, Shenandoah Service Center	BS in Chemistry with 20 years of laboratory experience
Randy Farley	Field Measurements Supervisor	19 years of experience sampling wastewater, groundwater, and stormwater
Ed Kirk	Biological Division Director	MS in Biology and 17 years of bioassay experience
Mike Lester	Bioassay Laboratory Manager	19 years of bioassay laboratory experience



west virginia department of environmental protection

Division of Water and Waste Management 601 57th Street SE Charleston, WV 25304-2345

Phone: (304) 926-0495 Fax: (304) 926-0497 Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

October 07, 2011

Clarence Haile Laboratory Director REI Consultants, Incorporated PO Box 286 Beaver, WV 25813

Dear Dr. Haile:

Please find enclosed an ATTACHMENT I modifying certification of your facility through September 30, 2012.

Corrections have been made in accordance with observations made by Brenda Barnett.

If you have any questions, and if I can be of further assistance please call me at (304) 926-0499 ext. 1341 or e-mail me at <u>Daniel.T.Arnold@wv.gov</u>.

Sincerely,

Daniel T. Arnold Program Manager

Janiel J. Cold

da

Enclosure:

Attachment I

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER AND WASTE MANAGEMENT

Annual Certified Parameter List

for

REI CONSULTANTS, INCORPORATED

BEAVER, WEST VIRGINIA

PARAMETERS CERTIFIED

NONPOTABLE WATER INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	TECHNOLOGY
Acidity	SM18th2310 B	Titrimetric
Alkalinity	SM18th2320 B	Titrimetric
Ammonia	EPA350.1	Discrete
Bromide	EPA300.0	IC
Chloride	EPA300.0	IC
Chlorine, Residual	SM18th4500-Cl G	Spectrophotometric
Color	SM18th2120 B	Visual Comparison
Color	SM18th2120 E	Colorimetric
Conductance, Specific	SM18th2510 B	Probe
Cyanide, Total	EPA335.4	Spectrophotometric
Cyanide, Amenable to Chlorination	SM18th4500-CN G	Spectrophotometric
Cyanide, WAD	SM18th4500-CN I	Spectrophotometric
Demand, Biochemical(BOD)	SM18th5210B	Probe
Demand, Carbonaceous(CBOD)	SM18th5210B	Probe
Demand, Chemical Oxygen (COD)	EPA410.4	Spectrophotometric
Fluoride	EPA300.0	IC
Hardness, Calcium	SM18th2340 B	Calculation
Hardness, Total	SM18th2340 B	Calculation
Kjeldahl, Total Nitrogen	SM18th4500-NH3 E	Titration
Kjeldahl, Total Nitrogen	EPA351.2	Discrete
Nitrate	EPA300.0	IC
Nitrate-Nitrite	EPA300.0	IC
Nitrite	EPA300.0	IC
Oil & Grease	EPA1664A	Gravimetric
Organic Carbon, Total	SM18th5310 C	Oxidation
Phenolics, Total	EPA420.1 Rev 1978	Manual Spectrophotome

<u>ANALYTE</u>	<u>METHOD</u>	TECHNOLOGY
Phosphate, ortho	EPA300.0	IC
Phosphorus, Total	SW18th4500-P E	Discrete
Silica, Dissolved	EPA200.7	ICP
Solids, Dissolved	SM18th2540 C	Gravimetric
Solids, Settleable	SM18th2540 F	Gravimetric
Solids, Suspended	SM18th2540 D	Gravimetric
Solids, Total	SM18th2540 B	Gravimetric
Solids, Volatile	SM18th2540 E	Gravimetric
Sulfate	EPA300.0	IC
Sulfide	SM18th4500-S2 E	Titrimetric
Sulfite	SM18th4500-SO3 B	Titrimetric
Surfactants (MBAS)	SM18th5540 C	Spectrophotometric
Temperature	SM18th2550 B	
Turbidity	SM18th2130 B	Turbidimetric
Oxygen, Dissolved	SM18th4500-O C	Winkler
Oxygen, Dissolved(Field Test)	SM18th4500-O C	Winkler
рН	SM18th4500-H B	Probe
pH(Field Test)	SM18th4500-H B	Probe
Ammonia	EPA350.1	Distillation
Cyanide	EPA335.4	Distillation
Phenolics	EPA420.1	Distillation
Phosphorus, Total	SM18th4500-P B.5	Digestion
Total Kjeldahl Nitrogen	SM18th4500Norg B	Digestion
Total Kjeldahl Nitrogen	SM18th4500-NH3 B	Distillation

NONPOTABLE WATER TRACE METALS

METAL	<u>METHOD</u>	TECHNOLOGY
Aluminum	EPA200.7 Rev 4.4-1994	ICP
Antimony	EPA200.7 Rev 4.4-1994	ICP
Arsenic	EPA200.7 Rev 4.4-1994	ICP
Barium	EPA200.7 Rev 4.4-1994	ICP
Beryllium	EPA200.7 Rev 4.4-1994	ICP
Boron	EPA200.7 Rev 4.4-1994	ICP
Cadmium	EPA200.7 Rev 4.4-1994	ICP
Calcium	EPA200.7 Rev 4.4-1994	ICP
Chromium	EPA200.7 Rev 4.4-1994	ICP
Cobalt	EPA200.7 Rev 4.4-1994	ICP
Copper	EPA200.7 Rev 4.4-1994	ICP
Gold	EPA200.7 Rev 4.4-1994	ICP
Iron	EPA200.7 Rev 4.4-1994	ICP
Lead	EPA200.7 Rev 4.4-1994	ICP
Magnesium	EPA200.7 Rev 4.4-1994	ICP
Manganese	EPA200.7 Rev 4.4-1994	ICP
Molybdenum	EPA200.7 Rev 4.4-1994	ICP
500		

METAL	<u>METHOD</u>	TECHNOLOGY
Nickel	EPA200.7 Rev 4.4-1994	ICP
Potassium	EPA200.7 Rev 4.4-1994	ICP
Selenium	EPA200.7 Rev 4.4-1994	ICP
Silicon	EPA200.7 Rev 4.4-1994	ICP
Silver	EPA200.7 Rev 4.4-1994	ICP
Sodium	EPA200.7 Rev 4.4-1994	ICP
Strontium	EPA200.7 Rev 4.4-1994	ICP
Thallium	EPA200.7 Rev 4.4-1994	ICP
Tin	EPA200.7 Rev 4.4-1994	ICP
Titanium	EPA200.7 Rev 4.4-1994	ICP
Vanadium	EPA200.7 Rev 4.4-1994	ICP
Zinc	EPA200.7 Rev 4.4-1994	ICP
Antimony	EPA200.8 Rev 5.4-1994	ICP-MS
Arsenic	EPA200.8 Rev 5.4-1994	ICP-MS
Barium	EPA200.8 Rev 5.4-1994	ICP-MS
Beryllium	EPA200.8 Rev 5.4-1994	ICP-MS
Cadmium	EPA200.8 Rev 5.4-1994	ICP-MS
Chromium	EPA200.8 Rev 5.4-1994	ICP-MS
Cobalt	EPA200.8 Rev 5.4-1994	ICP-MS
Copper	EPA200.8 Rev 5.4-1994	ICP-MS
Gold	EPA200.8 Rev 5.4-1994	ICP-MS
Lead	EPA200.8 Rev 5.4-1994	ICP-MS
Manganese	EPA200.8 Rev 5.4-1994	ICP-MS
Molybdenum	EPA200.8 Rev 5.4-1994	ICP-MS
Nickel	EPA200,8 Rev 5.4-1994	ICP-MS
Palladium	EPA200.8 Rev 5.4-1994	ICP-MS
Platinum	EPA200.8 Rev 5.4-1994	ICP-MS
Selenium	EPA200.8 Rev 5.4-1994	ICP-MS
Silver	EPA200.8 Rev 5.4-1994	ICP-MS
Strontium	EPA200.8 Rev 5.4-1994	ICP-MS
Thallium	EPA200.8 Rev 5.4-1994	ICP-MS
Tin	EPA200.8 Rev 5.4-1994	ICP-MS
Titanium	EPA200.8 Rev 5.4-1994	ICP-MS
Vanadium	EPA200.8 Rev 5.4-1994	ICP-MS
Zinc	EPA200.8 Rev 5.4-1994	ICP-MS
Aluminum	SW6020A	ICP-MS
Arsenic	EPA200.9 Rev 2.2-1994	STGFAA
Cadmium	EPA200.9 Rev 2.2-1994	STGFAA
Chromium	EPA200.9 Rev 2.2-1994	STGFAA
Lead	EPA200.9 Rev 2.2-1994	STGFAA
Selenium	EPA200.9 Rev 2.2-1994	STGFAA
Mercury	EPA245.1	CVAA
Mercury	SW7470A	CVAA
Mercury	SW7471A	CVAA
Selenium	SM18th3114 B	GH/AF
Chromium, Hexavalent	SM18th3500-Cr D	Colorimetric
Chromium, Hexavalent	EPA218.6 Rev 3.3-1994	IC

METAL	<u>METHOD</u>	TECHNOLOGY
Metals digestion	SW3020A	Hot Block
Total Recoverable	EPA200.2 Rev -1994	Digestion
Dissolved Metals	EPA200.7 Rev 4.4-1994	
Mercury	EPA245.1	Digestion
Mercury	SW7470A	Digestion
Mercury	SW7471A	Digestion

NONPOTABLE WATER MICROBIOLOGY

GROUP	<u>METHOD</u>	TECHNOLOGY
Fecal Coliform	SM18th9222 D	Membrane Filter
Fecal Coliform	SM18th9223 B	Most Probable Number
Total Coliform	SM18th9222 B	Membrane Filter
Total Coliform	SM18th9223 B	Most Probable Number
Fecal Streptococci	SM18th9230 C	Membrane Filter
Heterotrophic Plate Count (HPC)	SM9215 B	SimPlate
Heterotrophic Plate Count (HPC)	SM9215 E	Membrane Filter

NONPOTABLE WATER VOLATILE ORGANIC CHEMICALS

GROUP	METHOD	TECHNOLOGY
Purgeable Halocarbons	EPA601	GC/ELCD
Purgeable Aromatics	EPA602	GC/PID
Acrolein & Acrylonitrile	EPA603	GC/FID
Purgeables	EPA624	GC/MS
Total Petroleum Hydrocarbons (GRO)	SW8015C	GC/FID
Nonhalogenated Volatiles	SW8015C	GC/FID
Halogenated & Aromatic Volatiles	SW8021B	GC/ELCD/PID
Volatile Organic Compounds	SW8260B	GC/MS
Volatile Organic Compounds	SW5030B	Purge and Trap
Volatile Organic Compounds	SW5035	Purge and Trap, Closed

NONPOTABLE WATER EXTRACTABLE AND SEMI-VOLATILE ORGANIC **CHEMICALS**

GROUP	<u>METHOD</u>	TECHNOLOGY
EDB/DBCP	EPA504	GC/ECD
Phenols	EPA604	GC/FID
Pesticides and PCBs	EPA608	GC/ECD
Base/Neutrals and Acids	EPA625	GC/MS
EDB & DBCP	SW8011	GC/ECD
Total Petroleum Hydrocarbons (DRO)	SW8015C	GC/FID

GROUP	<u>METHOD</u>	TECHNOLOGY
Phenols	SW8041	GC/FID
Organochlorine Pesticides	SW8081B	GC/ECD
Polychlorinated Biphenyls	SW8082A	GC/ECD
Polynuclear Aromatic Hydrocarbons	SW8100	GC/FID
Chlorinated Herbicides	SW8151A	GC/ECD
Semivolatile Organic Compounds	SW8270D	GC/MS
Nitroaromatics and Nitroamines	SW8330	HPLC
Nitroglycerin	SW8332	HPLC
Liquid-Liquid Extraction	SW3510	Separatory Funnel
Waste Dilution	SW3580	
Chlorinated Herbicides	SW8151A	Extraction
Florisil Cleanup	SW3620	Cleanup
Sulfur Cleanup	SW3660	Cleanup
Acid Cleanup	SW3665	Cleanup
Nitroaromatics and Nitroamines	SW8330	Extraction

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GROUP	<u>METHOD</u>	TECHNOLOGY
Fathead minnow	EPA821-R-02-012 2000.0	Acute
Ceriodaphnia dubia	EPA821-R-02-012 2002.0	Acute
Survival & Growth of Fathead Minnow Larval	EPA821-R-02-013 1000.0	Chronic
Survival & Reproduction of Ceriodaphnia	EPA821-R-02-013 1002.0	Chronic

HAZARDOUS WASTE CHARACTERISTICS

PROCEDURE	<u>METHOD</u>	TECHNOLOGY
Corrosivity	SW9045 D	Probe
Corrosivity	SW9040 C	Probe
Ignitability	SW1010	Closed Cup
Reactive Cyanide	Run Total Cyanide by S	W9010/9014
Reactive Sulfide	Run Total Sulfide by SV	W9030B/9034
Paint Filter Test	SW9095B	Gravimetric
TCLP (Metals and Organics)	SW1311 A	Rotating Extractor

SOLID AND CHEMICAL INORGANIC NONMETALS

<u>ANALYTE</u>	METHOD	TECHNOLOGY
рН	SW9045D	Probe
*Acidity	SM18th2310 B	Titrimetric
*Alkalinity	SM18th2320 B	Titrimetric
*Ammonia	EPA350.1	Discrete
*Ammonia	SM18th4500-NH3 E	Titrimetric
*Bromide	EPA300.0	IC
*Chloride	EPA300.0	IC
*Cyanide, Total	EPA335.4	Spectrophotometric
*Demand, Chemical (COD)	EPA410.4	Spectrophotometric
*Fluoride	EPA300.0	IC
*Kjeldahl, Total Nitrogen	EPA351.2	Discrete
*Kjeldahl, Total Nitrogen	SM18th4500-NH3 E	Titrimetric
*Nitrate	EPA300.0	IC
*Nitrate-Nitrite	EPA300.0	IC
*Nitrite	EPA300.0	IC
*Oil & Grease	EPA1664A	Gravimetric
Organic Carbon, Total	SM18th5310 C	Oxidation
*Phenolics, Total	EPA420.1 Rev 1978	Manual Spectrophotometric
*Phosphate, ortho	EPA300.0	IC
Phosphate, Total	SW6010C	ICP
Solids, Total	SM18th2540 G	Gravimetric
Solids, Volatile	SM18th2540 E	Gravimetric
Solids, Volatile	SM18th2540 G	Gravimetric
*Sulfate	EPA300.0	IC
*Ammonia	SM18th4500-NH3 B	Distillation
*Kjeldahl, Total Nitrogen	SM18th4500-Norg B	Digestion
*Kjeldahl, Total Nitrogen	SM18th4500-NH3 B	Distillation
*Modified for soil analysis		

SOLID AND CHEMICAL TRACE METALS

METAL	METHOD	TECHNOLOGY
Aluminum	SW6010C	ICP
Antimony	SW6010C	ICP
Arsenic	SW6010C	ICP
Barium	SW6010C	ICP
Beryllium	SW6010C	ICP
Boron	SW6010C	ICP
Cadmium	SW6010C	ICP
Calcium	SW6010C	ICP
Chromium	SW6010C	ICP
Cobalt	SW6010C	ICP
Copper	SW6010C	ICP
Gold	SW6010C	ICP

METAL	METHOD	TECHNOLOGY
Iron	SW6010C	ICP
Lead	SW6010C	ICP
Magnesium	SW6010C	ICP
Manganese	SW6010C	ICP
Molybdenum	SW6010C	ICP
Nickel	SW6010C	ICP
Potassium	SW6010C	ICP
Selenium	SW6010C	ICP
Silicon	SW6010C	ICP
Silver	SW6010C	ICP
Sodium	SW6010C	ICP
Strontium	SW6010C	ICP
Thallium	SW6010C	ICP
Tin	SW6010C	ICP
Titanium	SW6010C	ICP
Vanadium	SW6010C	ICP
Zinc	SW6010C	ICP
Aluminum	SW6020A	ICP-MS
Antimony	SW6020A	ICP-MS
Arsenic	SW6020A	ICP-MS
Barium	SW6020A	ICP-MS
Beryllium	SW6020A	ICP-MS
Cadmium	SW6020A	ICP-MS
Chromium	SW6020A	ICP-MS
	SW6020A	ICP-MS
Cobalt	SW6020A	ICP-MS
Copper	SW6020A	ICP-MS
Gold	SW6020A	ICP-MS
Lead	SW6020A SW6020A	ICP-MS
Manganese	SW6020A SW6020A	ICP-MS
Molybdenum		ICP-MS
Nickel	SW6020A	ICP-MS
Palladium	SW6020A	ICP-MS
Platinum	SW6020A	20 Salita - 1
Selenium	SW6020A	ICP-MS ICP-MS
Silver	SW6020A	
Strontium	SW6020A	ICP-MS
Thallium	SW6020A	ICP-MS
Tin	SW6020A	ICP-MS
Titanium	SW6020A	ICP-MS
Vanadium	SW6020A	ICP-MS
Zinc	SW6020A	ICP-MS
Arsenic	SW7010	GFAA
Cadmium	SW7010	GFAA
Chromium	SW7010	GFAA
Lead	SW7010	GFAA
Selenium	SW7010	GFAA
Mercury	EPA245.1	CVAA
	Name to the Control of the Control o	

<u>METAL</u>	<u>METHOD</u>	TECHNOLOGY
Mercury	SW7470A	CVAA
Mercury	SW7471B	CVAA
Chromium, Hexavalent	SM18th3500-Cr D	Colorimetric
Chromium, Hexavalent	SW3060	Digestion
Metals	SW3050B	Digestion
Mercury	SW7471B	Digestion

SOLID AND CHEMICAL MICROBIOLOGY

GROUP	<u>METHOD</u>	TECHNOLOGY
Fecal Coliform	SM18th9222 D	Membrane Filter
Fecal Coliform	SM18th9223 B	Most Probable Number
Total Coliform	SM18th9222 B	Membrane Filter
Total Coliform	SM18th9223 B	Most Probable Number
Fecal Streptococci	SM18th9230 C	Membrane Filter

SOLID AND CHEMICAL VOLATILE ORGANIC CHEMICALS

METHOD	TECHNOLOGY
EPA601	GC/ELCD
EPA602	GC/PID
EPA603	GC/FID
EPA624	GC/MS
SW8015C	GC/FID
SW8015C	GC/FID
SW8021B	GC/ELCD/PID
SW8260B	GC/MS
SW5035	Purge and Trap, Closed
	EPA601 EPA602 EPA603 EPA624 SW8015C SW8021B SW8260B

SOLID AND CHEMICAL EXTRACTABLE AND SEMI-VOLATILE ORGANIC **CHEMICALS**

GROUP	METHOD	<u>TECHNOLOGY</u>
EDB/DBCP	EPA504	GC/ECD
Phenols	EPA604	GC/FID
Pesticides and PCBs	EPA608	GC/ECD
Base/Neutrals and Acids	EPA625	GC/MS
EDB & DBCP	SW8011	GC/ECD
Total Petroleum Hydrocarbons (DRO)	SW8015C	GC/FID
Phenols	SW8041	GC/FID
Organochlorine Pesticides	SW8081B	GC/ECD

GROUP	METHOD	TECHNOLOGY
Polychlorinated Biphenyls	SW8082A	GC/ECD
Polynuclear Aromatic Hydrocarbons	SW8100	GC/FID
Chlorinated Herbicides	SW8151A	GC/ECD
Semivolatile Organic Compounds	SW8270D	GC/MS
Nitroaromatics and Nitroamines	SW8330	HPLC
Nitroglycerin	SW8332	HPLC
Liquid-Liquid Extraction	SW3510	Separatory Funnel
Ultrasonic Extraction	SW3550	UE
Waste Dilution	SW3580	
Chlorinated Herbicides	SW8151A	Extraction
Florisil Cleanup	SW3620	Cleanup
Sulfur Cleanup	SW3660	Cleanup
Acid Cleanup	SW3665	Cleanup
Nitroaromatics and Nitroamines	SW8330	Extraction

This laboratory may test **ONLY** for those environmental parameters listed above for compliance reporting purposes. All testing must be by the test method cited in the current application for certification.

Issued on October 07, 2011

This Certification Expires September 30, 2012.

Certificate No 060

Daniel T. Arnold

Janiel J. Cold

Program Manager



NENDOR

BEAVER WV

State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
DEP15729

PAGE

ADDRESS CORRESPONDENCE TO ATTENTION OF

GUY NISBET 304-558-8802

*709054747 304-255-2500 REI CONSULTANTS INC PO BOX 286

25813

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ENVIRONMENTAL PROTECTION,
DEPARTMENT OF
DIV OF WATER AND WASTE MGT
601 57TH STREET SE
CHARLESTON, WV

25304 304-926-0499

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State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

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BEAVER WV 25813

ENVIRONMENTAL PROTECTION,
DEPARTMENT OF
DIV OF WATER AND WASTE MGT
601 57TH STREET SE
CHARLESTON, WV
25304 304-926-0499

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State of West Virginia Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

304-255-2500

Request for Quotation

RFQ NUMBER DEP15729 PAGE

3

ADDRESS CORRESPONDENCE TO ATTENTION OF

GUY NISBET 304-558-8802

*709054747 REI CONSULTANTS INC PO BOX 286 BEAVER WV 25813

ENVIRONMENTAL PROTECTION, DEPARTMENT OF DIV OF WATER AND WASTE MGT 601 57TH STREET SE Ö CHARLESTON, WV 25304 304-926-0499

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Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

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ENVIRONMENTAL PROTECTION,
DEPARTMENT OF
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601 57TH STREET SE
CHARLESTON, WV
25304 304-926-0499

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Request for Quotation

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GUY NISBET 304-558-8802

*709054747 304-255-2500 REI CONSULTANTS INC PO BOX 286

BEAVER WV 25813

ENVIRONMENTAL PROTECTION,
DEPARTMENT OF
DIV OF WATER AND WASTE MGT
601 57TH STREET SE
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State of West Virginia
Department of Administration
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Post Office Box 50130
Charleston, WV 25305-0130

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6

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ENVIRONMENTAL PROTECTION,
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CHARLESTON, WV
25304 304-926-0499

DATE PRINTED TERMS OF SALE SHIP VIA FREIGHT TERMS F.O.B. 01/05/2012 **BID OPENING DATE:** BID OPENING TIME 01/31/2012 01:30PM CAT. LINE QUANTITY UOP ITEM NUMBER UNIT PRICE AMOUNT ANY INDIVIDUAL SIGNING THIS BID IS CERTIFYING THAT: (1) HE OR SHE IS AUTHORIZED BY THE BIDDER TO EXECUTE THE BID OR ANY DOCUMENTS RELATED THERETO ON BEHALF OF THE BIDDER, (2) THAT HE OR SHE IS AUTHORIZED TO BIND THE BIDDER IN A CONTRACTUAL RELATIONSHIP, AND (3) THAT THE BIDDER HAS PROPERLY REGISTERED WITH ANY STATE AGENCIES THAT MAY REQUIRE REGISTRATION. DEP15729 ***** TOTAL: \$790,280.50 ***** THIS IS THE END OF RFQ SEE REVERSE SIDE FOR TERMS AND CONDITIONS SIGNATURE TELEPHONE 304-255-2500 TITLE ADDRESS CHANGES TO BE NOTED ABOVE 55-0668654

Page | 1 AREA OF WORK

Bids should be submitted by vendors in connection with the costs associated with collection from all Department of Environmental Protection (DEP) offices as listed herein. Awards will be made to all laboratories possessing a current valid West Virginia DEP Laboratory Quality Assurance certification for the appropriate categories of parameters and meeting the qualifications listed below. Because of the short holding times for certain parameters and the desire to avoid multiple labs analyzing samples from individual sites, work will be distributed based on proximity of labs to sample collection location, overall costs for parameters being requested, and the ability of labs to analyze all requested parameters (i.e., certified for all requested parameters). Costs to pickup samples from DEP personnel will also be taken into consideration.

Bidding should be done for each analyte within a specific method. Prices should also be given for liquid and solid samples. If vendor is certified for more than one method per parameter, include method#, MDL and cost. Bids must be submitted exactly as per attached bid sheet.

QUALIFICATIONS

The DEP conducts inspections of permitted and non-permitted facilities, investigates complaints, monitors ambient quality of surface water, groundwater and sediments, performs studies, and provides water quality information to the citizens of West Virginia and other government agencies. Legal action based upon analytic results is possible. Therefore, the vendor or vendors selected must have a quality control program in place and meet the following qualifications:

- 1. The laboratory must be certified by the Water Resources Quality Assurance Program. This includes any laboratories to which analyses are subcontracted.
- 2. Be accessible by telephone 24 hours per day, 7 days per week.
- 3. Capable of attending and providing expert testimony in legal proceeding, upon request.
- 4. <u>Proof of certification and staff chemist(s) resume(s) must be provided at the time of bid.</u>

SCOPE

In administering and enforcing most of the pollution control laws of the state, the importance of quality control cannot be overstated. Quality control measures must be strictly adhered to in all phases of sample collection, preservation, transportation, and analysis. The quality control and analytical work, as they relate to the contractor's responsibility, is divided into four (4) major steps:

- STEP 1 Collection of sample from specified office.
- STEP 2 Conduct specified analysis on samples in a timely and professional manner.
- STEP 3 Establishment of continuing program to ensure the reliability of analytical data.
- STEP 4 Legal Testimony

Page | 2

Step 1 - Collection of Samples from Specified Office

The sampling for the DEP shall be conducted by Department personnel. The vendor shall be notified of the date sampling occurs or is to occur and from which DEP office or other location the sample can be obtained. The vendor shall be notified when the sample was taken (time/date) for circumstances when holding times for parameters to be analyzed are less than seven (7) days. The vendor shall indicate the time the sample was obtained from the pickup location and its condition and the time the sample was delivered to the laboratory. The vendor shall be responsible for holding times, preservation of the sample and the internal chain of custody from the time the vendor obtained the sample until the time the analysis is accepted by the Department. The vendor shall also maintain records of the results of analysis for a minimum of five (5) years.

Step 2 - Conduct Specified Analysis on Samples

The methods used by the laboratory for the analysis shall be either; 1) Methods described in 40 CFR-136 or, 2) Test Methods for Evaluating Solid Waste -Physical/Chemical Methods (SW -846) Third Edition with updates. The sampler shall be responsible for specifying either 1 or 2 above. In the event the method is not specified, the laboratory shall contact the sampler for verification of the method to be used.

Vendors must include the method number on the bid sheet. A single analytical method for some parameters isn't adequate, for example, a sample of discharge water from a sewage treatment plant need not have the same precision as a sample from relatively clean oligotrophic waters. If vendor submits bids for an alternate method, the method number and MDL must be included on the bid sheet. If vendors are certified for more than 2 methods for a parameter, the vendor can provide bids and associated information on a separate page.

Vendors must provide a single bid for the cost of the analysis and reporting for the Phase 1 Detection Monitoring constituent lists described Appendix A.

Results of analytical tests must be submitted electronically in a Microsoft Excel (or compatible) format. The electronic results should conform to the DEP program approved template format. Where provided, the vendor must include the WQ ID number with the data submitted. This electronic data submittal requirement may be waived in some circumstances where the number of samples and/or number of analytical tests requested is low. Waiver must be requested prior to data submittal

Analysis of samples is not deemed completed until the data has been submitted to and accepted by DEP. Should the DEP not provide notice of acceptance within four weeks of the date results were mailed, the vendor may consider the data to be acceptable by the Division. The vendor shall be responsible for maintaining preservation of the samples until the holding time is exceeded. Any samples with a sheen, discoloration or odor shall be maintained until DEP's notification that the sample can be properly disposed of. DEP will advise the vendor which samples fall into this category. The vendor shall be responsible for the proper disposal of all samples submitted to them by the DEP unless otherwise notified. The vendor shall dispose of the sample no earlier than four weeks after DEP accepts the results. The results of the analysis shall be submitted to the DEP no more than two (2) weeks after receipt of samples.

Step 3 - Quality Control

Three programs are to be utilized to assure reliable laboratory data: (1) the use—and documentation of standard analytical methods, (2) analysis of duplicate and spiked (where the concept applies) samples at regular intervals each day to check analytical precision and accuracy, and (3) analysis of reference samples at 6 (six) month intervals*. Regardless of which analytical methods are used in a laboratory, the methodology must be carefully documented. Standard methods which have been modified or entirely replaced because of recent advances in the state of art may only be used when it has been given approval in the Federal Register. Documentation of procedures must be clear, honest, and adequately referenced; and the procedures shall be applied exactly as documented. The responsibility for results obtained from these procedures rests with the analyst and supervisor, both as representatives of the firm.

To check the laboratory analytical precision, duplicate analysis of samples shall be performed at regular intervals. Duplicate samples must be carried through the complete analytical process. For all analyses, the interval shall be every tenth (10th) sample. When less than ten (10) samples are tested in one day, at least one duplicate sample shall be analyzed, and that sample must be a DEP sample. The difference between the replicates for each analysis are to be plotted on Shewart precision quality control charts. "Out-of -Control" samples are to be repeated and appropriate steps shall be taken to locate and remedy the error.

To check the laboratory analytical accuracy, samples containing a known addition of the target analyte (spike) shall be analyzed at regular intervals. Spiked samples must be carried through the complete analytical process. For all analyses, the interval shall be every tenth (10th) sample. Where less than ten samples are tested in one day, at least one spiked sample shall be analyzed, and that sample must be a DEP sample. The percent recovery must be plotted out on Shewart accuracy quality control charts. "Out-of-Control" samples are to be repeated and appropriate steps taken to locate and remedy the source of error. The DEP reserves the right to conduct unannounced examinations of the laboratory's records to assure compliance.

Periodic submission of samples with known composition will occur. No notice of this activity will be provided unless results indicate an anomaly.

^{*}These analyses shall be conducted under the vendor's performance evaluation test number through the Analytical Products Group.

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Step 4 - Legal Testimony

The selected vendor or vendors may be requested by the DEP to testify concerning the validity of the laboratory analysis. The vendor will only be required to testify to the following areas:

- 1. Time of notification by Department of sampling and by whom.
- 2. When and where samples were collected by the firm.
- 3. Condition of sample.
- 4. How sample was preserved by the firm.
- 5. Date and time(s) of analysis and by whom.
- 6. Chain of Custody procedures within the laboratory
- 7. Methods used.
- 8. Results of analysis.

At no time will the firm respond to questions concerning interpretation of results. The Department shall reimburse the vendor for the costs of any such testimony. The vendor must provide a detailed invoice of actual costs incurred.

PRIME VENDOR RESPONSIBILITIES

A vendor who is awarded a contract, when performing work under the terms and conditions of this contract, is solely responsible for the satisfactory completion of the work. The vendor shall be responsible for ensuring that any subcontractors have all the necessary permits, certifications (including WV State Laboratory Certification) and insurance to perform the work. DEP will consider the prime vendor to be the sole point of contact with regard to authorized work under the contract, however this provision does not prohibit the DEP from directly contacting subcontractors.

SUBCONTRACTORS

The prime vendor shall not be allowed to subcontract any work or services under this contract to any other person, company, corporation, firm, organization or agency without prior written approval of the DEP. The prime contractor is ultimately responsible for seeing the results submitted electronically and must also provide copies hard or electronic copies of any documentation provided by the subcontractor.

CONFIDENTIALITY

The vendor agrees that any and all data, analyses, materials, reports or other information, oral or written, prepared by the vendor with respect to this requisition shall, except for information which has been made publicly available, be treated as confidential and shall not be utilized, released, published, or disclosed, by the vendor at any time for any purpose whatsoever other than to provide consultation or other service to DEP.

MISCELLANEOUS PROVISIONS

- 1. The vendor shall provide necessary sample containers and field preservatives to the DEP if requested by the Department.
- 2. The DEP may, at their discretion, choose to deliver samples to the vendor's establishment rather than having them picked up by or delivered to the vendor.
- 3. Any updates to the MDLs during the life of this contract shall be provided to the DEP, in writing within one week of the update(s) completion.
- 4. The vendor shall provide at no additional cost, any requested quality control/calibration information associated with a particular sample. Quality control/calibration information includes but is not limited to: values of standards used in calibration, date of last calibration, correlation coefficients of calibration curves, instrument blank values, check standard values, spike/recovery values, duplicate values, dilution volumes, bench sheets, calculations and Shewart quality control charts.
- 5. Notice of any changes to the vendor's certification status with regard to any of the parameters that the vendor is certified to analyze for, must be submitted to DEP, in writing, within ten (10) days of the time of status change.
- 6. The laboratory will provide blank water to the DEP, at no charge, upon request.

Appendix A

Constituents for Phase I Detection Monitoring

GROUP A: Inorganic Constituents

OMMON NAME ²	CAS RN ³	
Acidity	(Total)	
Aluminum	(Total) 3id as package	
Alkalinity	(Total) (Groups A and B combined)	
Ammonia Nitrogen	(Total)	
Antimony	(Total)	
Arsenic	(Total)	
Barium	(Total)	
Beryllium	(Total)	
Bicarbonates	(mg/l)	
Boron	(Total)	
Cadmium	(Total)	
Chlorides	(Total)	
Chromium	(Total)	
Cobalt	(Total)	
COD	(mg/l)	
Copper	(Total)	
Dissolved Manganese	(Total)	
Iron	(Total)	
Lead	(Total)	
Magnesium	(Total)	
Mercury	(Total)	
Molybdenum	(Total)	
Nickel	(Total)	
Nitrate	(Total)	
pH	(Std. Units)	
Potassium	(Total)	
Selenium	(Total)	
Silver	(Total)	
Sodium	(Total)	
Specific Conductance	(umhos/cm)	
Sulfate	(Total)	
TDS	(mg/l)	
Thallium	(Total)	
TOC	(mg/l)	
Total Phenolic Materials	(Total)	
TSS	(Total)	
Turbidity	(Total)	
Vanadium	(Total)	
Zinc	(Total)	

In addition to the above, the following parameters should be analyzed: Temperature, (BOD-5-day), flouride and calcium.

GROUP B: Organic Constituents¹

GROUP D. Organic Constituents	
COMMON NAME ²	CAS RN ³
Acetone	67-64-1
Acrylonitrile	107-13-1
Benzene	71-43-2
Bromochloromethane	74-97-5
Bromodichloromethane	75-27-4
Bromoform; Tribromomethane	75-25-2
Carbon disulfide	75-15-0
Carbon tetrachloride	56 - 23-5
Chlorobenzene	108-90-7
Chloroethane; Ethyl chloride	75-00-3
Chloroform; Trichloromethane	67-66-3
Dibromochloromethane; Chlorodibromomethane	124-48-1
1,2-Dibromo-3-chloropropane;DBCP	96-12-8
1,2,-Dibromoethane; Ethylene dibromide; EDB	106-93-4
o-Dichlorobenzene; 1,2-Dichlorobenzene	95-50-1
p-Dichlorobenzene; 1,4-Dichlorobenzene	106-46-7
trans-1,4-Dichloro-2-butene	110-57-6
1,1-Dichloroethane; Ethylidene chloride	75-34-3
1,2-Dichlorethanel Ethylene dichloride	107-06-2
1,1-Dichloroethylene; 1,1-Dichloroethene;Viny	lic 75-35-4
cis-1,2-Dichlorethylene; cis-1,2-Dichloroethene	156-59-2
trans-1,2-Dichloroethylene; trans-1,2-Dichloroe	th 156-60-5
1,2-Dichloropropane; Propylene dichloride	78-87-5
cis-1,3-Dichloropropene	10061-01-5
trans-1,3-Dichloropropene	10061-02-6
Ethylbenzene	100-41-4
2-Hexanone; Methyl butyl ketone	591-78-6
Methyl bromide; Bromomethane	74-83-9
Methyl chloride; Chloromethane	74-87-3
Methylene bromide; Dibromomethane	74-95-3
Methylene chloride; Dichloromethane	75-09-2
Methyl ethyl ketone; MEK; 2-Butanone	78-93-3
Methyl iodide; Iodomethane	74-88-4
4-Methyl-2-pentanone; Methyl isobutyl ketone	108-10-1
Styrene	100-42-5
1,1,1,2-Tetrachloroethane	630-20-6
1,1,2-Tetrachloroethane	79-34-5
Tetrachloroethylene; Perchloroethylene	127-18-4
Toluene	108-88-3
1,1,1-Trichloroethane; Methyichloroform	71-55-6
1,1,2-Trichloroethane	79-00-5
1,1,2-11101101001111110	.,

Trichloroethylene; Trichloroethene	79-01-6
Trichlorofluoromethane; CFC-ll	75-69-4
1,2,3-Trich1oropropane	96-18-4
Vinyl acetate	108-05-4
Vinyl chloride	75-01-4
Xylenes	1330-20-7

- 1. This list contains volatile organics for which possible analytical procedures provided in EPA Report SW-846 "Test Methods for Evaluating Solid Waste", third edition, November 1986, as revised December 1987, includes Method 8260 and 8011; and metals for which SW-846 provides either Method 6010 or a method from the 7000 series of methods.
- 2. Common names are those widely used in government regulations, scientific publications, and commerce; synonyms exist for many chemicals.
- 3. Chemical Abstracts Service registry number. Where "Total" is entered, all species in the groundwater that contain this element are included.

ANALYSIS OF WATER AND SOIL DEP15729

Vendor's Bid Sheet

Vendors Name:	REI	CONSULTANTS,	INC.	
Tendors Tymner,				

The DEP reserves the right to request additional information and supporting documentation regarding unit prices when the unit price appears to be unreasonable.

TEM NO	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRIĆE	AMOUNT
1	4000	рН	SM 4500-H+B	N/A	\$ 6.00	\$ 24,000.00
_	10	pH (Solid)	SW 9045C	N/A	\$ 6.00	\$ 60.00
1A	4000	Hot Acidity	SM 2310B	5 mg/l	S 12.00	\$ 48,000.00
2	1000	Hot Acidity Alt. Method	N/A	N/A	S N/A	\$ N/A
2۸	1	Alkalinity	SM 2320 B	5 mg/L	\$ 10.00	\$40,000.00
3	4000	Alkalinity Alt. Method	N/A	N/A	S N/A	\$N/A
3/	1000	Hardness	SM 2340B	1 mg/L	\$ 10.00	\$ 10,000.00
4	500	Hardness Alt. Method	N/A	N/A	S N/A	\$N/A
4A	100		N/A	N/A	S N/A	\$N/A
4B	10	Hardness (Solid)	SM 2510B	3 uS/cm²	\$ 10.00	\$10,000.00
_5	1000	Specific Conductance	N/A	NA NA	S N/A	S N/A
5A	500	Specific Conductance Alt. Method	E 300.0	5 mg/L	\$ 12.00	\$ 48,000.00
6	4000	Sulfate	N/A	N/A	\$ N/A	\$ N/A
6A	1000	Sulfate Alt. Method	SW 9056	10 M/KG	\$ 12.00	\$ 120.00
6B	10	Sulfate (Solid)	SW 9036		\$ 15.00	\$ 300.00
7	20	Sulfide	N/A	I mg/L N/A	S N/A	S N/A
71	10	Sulfide Alt. Method	13/11		\$/	- 3 N/A
8	20	Turbidity	E 180.1	1 NTU (higher OK if highly turbid)	\$ 10.00	\$ 200.00
8A	10	Turbidity Alt. Method	N/A	N/A	\$ N/A	\$ N/A
9	300	Bromide	E 300.0	0.1 mg/L	\$ 12.00	\$ 3,600.00
9/	10	Bromide Alt. Method	N/A	1 mg/L	\$ N/A	\$ N/A
9B	10	Bromide (Solid)	SW 9056	1.0 MG/KG	\$ 12.00	\$ 120.00
10	3000	Chloride	E 300.0	5 mg/L	\$ 12.00	\$ 36,000.00
10A	100	Chloride Alt, Method	N/A	N/A	\$ N/A	\$ N/A
10B	10	Chloride (Solid)	SW 9056	1.0 MG/KG	\$ 12.00	\$ 120.00
11	25	Fluoride	E 300.0	0.2 mg/L	\$ 12.00	\$ 300.00
11A	10	Fluoride Alt. Method	SM 4500- FBC		\$ 12.00	\$ 120.00
11B	10	Fluoride (Solid)	SW 9056	0.5 MG/KG	\$ 12.00	\$ 120.00
12	4000	Fecal Coliform (MF)	SM 9222D	4 cfu/100 mL	\$ 20.00	\$ 80,000.00
	1000	Feeal Coliform (MF) Alt. Method	N/A	N/A	\$ N/A	\$ N/A
12A		Fecal Coliform (MPN)	SM 9223B-QT	4 cfu/100 mL	\$ 35.00	\$ 3,500.00
13	100 50	Fecal Coliform (MPN) Alt. Method	N/A	N/A	S N/A	\$ N/A
13/			SM 9223B-PA	PRESENT/ABSENT	\$ 20.00	\$ 400.00
14	20	Total Coliform Total Solids	SM 2540B	1 mg/L	\$ 10.00	\$ 250.00
15	25	Total Solids Alt. Method	N/A	N/A	S N/A	SN/A
15A	10		SM 2540G	1 MG/KG	\$ 10.00	\$ 100.00
15B	10	Total Solid (Solid)	SM 2540C	1 mg/l.	\$ 10.00	\$30,000.00
16	3000	Dissolved Solids (TDS)	N/A	N/A	S N/A	S N/A
16A	1000	Dissolved Solids (TDS) Alt. Method	SM 2540D	3 mg/L	\$ 10.00	\$ 40,000.00

NO.	EST QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUN1
					6 11/2	S N/A
17/	1000	Suspended Solids (TSS) Alt. Method	N/A	N/A	\$ N/A	\$ N/A \$ 250.00
18	25	Settleable Solids	SM 2540F	0.5 MG/L	\$ 10.00	\$ N/A
18A	10	Settleable Solids Alt. Method	N/A	N/A	\$ N/A	
19	25	Volatile Solids	SM 2540E	1 mg/L	\$ 10.00	\$ 250.00
19A	10	Volatile Solids Alt. Method	N/A	N/A	\$ N/A	\$ N/A
19B	10	Volatile solid (Solid)	SM 2540G	1%	\$ 10.00	\$ 100.00
20	25	Percent Solids	SM 2540G	1%	§ 10.00	\$ 250.00
20A	10	Percent Solids Alt. Method	N/A	N/A	S N/A	S N/A
20B	10	Percent Solids (Solid)	SM 2540G	1%	\$ 10.00	\$ 100.00
21	400	Kjeldahl Nitrogen	SM 4500-NORGO	0.1 mg/L	\$ 21.00	\$ 8,400.00
21A	100	Kjeldahl Nitrogen Alt. Method	N/A	N/A	S N/A	\$ N/A
21B	10	Kjeldahl Nitrogen (Solid)	SM 4500-NORGO		S 21.00	\$ 210.00
	10	Kjeldahl Nitrogen Alt, Method (Solid)	N/A	N/A	S N/A	S N/A
21C		Ammonia Nitrogen	E 350.1	0.1 mg/L	§ 12.00	\$ 600.00
22	50		N/A	N/A	S N/A	S N/A
22A	10	Ammonia Nitrogen Alt. Method	SM 4500-NH3B	791.55	\$ 12.00	\$ 120.00
22B	10	Ammonia Nitrogen (Solid)	N/A		\$ N/A	S N/A
22C	10	Ammonia Nitrogen Alt. Method (Solid)		N/A	\$ 30.00	\$ 1,500.00
23	50	Organic Nitrogen	E351.2/350.1	0.5 mg/L N/A	\$ N/A	\$ N/A
23/	10	Organic Nitrogen Alt, Method	N/A	1,000,000,000	-	\$ 600.00
24	50	Nitrate-Nitrogen	E300.0	0.05 mg/L	\$ 12.00 \$ N/A	S N/A
241	10	Nitrate-Nitrogen Alt, Method	N/A	N/A		\$ 600.00
25	50	Nitrite-Nitrogen	E 300.0	0,05 mg/L	\$ 12.00	\$ N/A
25∧	10	Nitrite-Nitrogen Alt. Method	N/A	N/A	\$ N/A	\$ 120.00
25B	10	Nitrite-Nitrogen (Solid)	SW 9056	0.5 MG/KG	\$ 12.00	17
25C	10	Nitrite-Nitrogen Alt. Method (Solid)	N/A	N/A	S N/A	\$ N/A
26	400	Nitrite-Nitrate	E 300.0	0.05 mg/L	\$ 12.00	\$ 4,,800.00
26A	100	Nitrite-Nitrate Alt. Method	N/A	N/A	\$ N/A	Ş N/A
26B	10	Nitrite-Nitrate (Solid)	SW 9056	0.2 MG/KG	\$ 12.00	\$ 120.00
26C	10	Nitrite-Nitrate Alt. Method (Solid)	N/A	N/A	\$ N/A	\$ N/A
27	400	Total Phosphorus	SM 4500-PBE	0.01 mg/L	\$ 18.00	\$7,200.00
27A	100	Total Phosphorus Alt. Method	N/A	N/A	S N/A	\$ N/A
27B	10	Total Phosphorus (Solid)	SW 6010C	1.0 MG/KG	\$ 7.20	\$ 72.00
27C	10	Total Phosphorus Alt. Method (Solid)	N/A	N/A	S N/A	S N/A
28	50	Orthophosphate	E 300.0	0.01 mg/L	\$ 12.00	\$ 600.00
			N/A	N/A	S N/A	S N/A
28A	10	Orthophosphate Alt. Method	SM 4500-PBE	0.01 mg/L	\$ 18.00	\$ 900.00
29	50	Total Phosphate	N/A	N/A	S N/A	S N/A
29A	10	Total Phosphate Alt. Method	SW 6010C	1.0 MG/KG	\$7.20	\$ 72.00
29B	10	Total Phosphate (Solid)	N/A		SN/A	S N/A
29C	10	Total Phosphate Alt. Method (Solid)		N/A	\$20.00	\$ 500.00
30	25	BOD	SM 5210B	2 mg/L	\$ 20.00 \$ N/A	\$ N/A
30A	10	BOD Alt. Method	N/A	N/A	\$ 21.00	\$ 525.00
31	25	BOD-carbonaceous	SM 5210B	2 mg/L	\$ N/A	S N/A
31A	10	BOD-carbonaceous Alt. Method	N/A	N/A		
32	25	COD	E 410.4	0.5 mg/L	\$ 20.00	\$ 500.00
32A	10	COD Alt, Method	N/A	N/A	\$ N/A	\$ N/A
33	25	TOC	SM 5310C	1 mg/L	\$ 21.00	\$ 525.00
33A	10	TOC Alt. Method	N/A	N/A	\$ N/A	\$ N/A
34	25	MBAS	SM 5540C	0.05 mg/L	\$ 27.00	\$ 675.00
34A	10	MBAS Alt. Method	N/A	N/A	\$ N/A	\$ N/A
35	25	Phenolics	E 420.1	0.01 mg/L	\$ 34.00	\$ 850.00
35A	10	Phenolies Alt, Method	N/A	N/A	S N/A	\$ N/A
35B	10	Phenolics (Solid)	SW 9065	0.05 MG/KG	\$ 34.00	\$ 34.00
36	25	Total Cyanide	E 335.4	0.005 mg/L	\$ 26.00	\$ 650.00
	()	Lioun Cyanide	CONTRACTOR NO.	N/A	S N/A	S N/A

TEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT.
						\$ 260.00
	10	Total Cyanide (Solid)	SW9010/9012A	0.04 MG/KG	\$ 26.00	\$ 5,200.00
16B		Hexavalent Chromium	SM 3500-CRD	0.005 mg/L	\$ 26.00	\$ 5,200.00
37	200	Hexavalent Chromium Alt. Method	N/A	N/A	\$ N/A	\$ N/A
37A	10	Hexavalent Chromium (Solid)	SW 7196A	0.005 MG/KG	\$ 26.00	\$ 260.00
37B	10		E 1664	2 mg/L	\$ 25.00	\$ 625.00
38	25	Oil-Grease	N/A	N/A	\$ N/A	\$ N/A
38A_	10	Oil-Grease Alt. Method	SW 9071	0.001%	\$ 75.00	\$ 750.00
38B	10	Oil-Grease (Solid)	E 446.0	0.5 ug/L	S 35.00	\$ 3,500.00
39	100	Chlorophyll A	N/A	N/A	\$N/A	\$ N/A
39A	20	Chlorophyll A Alt. Method	SM 2120B	5 color units	S 12.00	\$ 300.00
40	25	Color (APHA)	N/A	N/A	S N/A	ş N/A
40A	10	Color (APHA) Alt. Method		10 ADMI value	\$ 50.00	\$ 1,250.00
41	25	Color (ADMI)	SM 2120E		\$ N/A	\$ N/A
41A	10	Color Alt. Method		N/A	\$ 32.00	\$ 800.00
42	25	Cyanide, Amenable	E 335.4	0.005 mg/L	S N/A	S N/A
42A	10	Cyanide, Amenable Alt. Method	N/A	N/A	\$ 32.00	\$ 800.00
43	25	Cyanide, Free (ASTM)	E 335.4	0.005 mg/L	Ų.	S N/A
43A	10	Cyanide, Free Alt. Method	N/A	N/A	\$ N/A	S 325.00
	25	Mineral Acidity	SM 2310B	1 mg/L	\$ 13.00	\$ N/A
44	10	Mineral Acidity Alt. Method	N/A	N/A	\$ N/A	
441		Total Acidity	SM 2310B	1 mg/J	\$ 11.00	\$ 275.00
45	25	Total Acidity Alt, Method	N/A	N/A	\$ N/A	\$ N/A
45A 46	10	Tot Petroleum Hydrocarbons GRO/DRO	SW 8015B	0,5 mg/L	\$ 65.00	\$ 1,625.00
46A	25	(8015) Tot Petroleum Hydrocarbons GRO/DRO	SW 8015B	0.5 MG/KG	\$ 65.00	\$ 650.00
	10	(8015) (Solid)	SM 9230C	4 cfu/100 mL	\$ 55.00	\$ 1,375.00
47	25	Fecal Streptococci	N/A	N/A	S N/A	\$ N/A
47A	10	Fecal Streptococci Alt. Method	SM 9230C	1COL/100ML	\$ 55.00	\$ 550.00
47B	10	Fecal Streptococci (Solid)	SM 9223B-QT		\$ 55.00	\$ 1,375.00
48	25	Escherichia Coli (Numeric Result)		N/A	S N/A	S N/A
48A	10	E. Coli (Numeric Result) Alt. Method	N/A	1 efu/100 mL	S N/A	S N/A
49	100	Enterococci	N/A	CFU/ML	\$ 50.00	\$ 1,000.00
50	20	Iron Bacteria	HACH-BART		\$ 50.00	S 1,000.00
51	20	Sulfate Reducing Bacteria	HACH-BART	CFU/ML	\$ 11.00	\$ 275.00
52	25	Bicarbonate (Standard Methods)	SM 2320B	1 mg/L	Ş N/A	S N/A
52A		Bicarbonate Alt. Method	N/A	N/A		\$ 750.00
53	25	Ferrous Iron (Standard Methods)	SM 3500-FEI	0.05 mg/L	\$ 30.00	\$ N/A
53A		Ferrous Iron Alt. Method	N/A	N/A	S N/A	
	25	Dissolved Organic Carbon	SM 5310C	1 mg/L	§ 21.00	Ψ
54		Dissolved Organic Carbon Alt. Method	N/A	N/A	\$ N/A	\$ N/A
54/		Aluminum	E 200.7	0.005 mg/L	\$ 7.20	\$ 28,800.00
55	4000	Aluminum - Alt, method	N/A	N/A	\$ N/A	\$ N/A
55A		Aluminum (Solid)	SW 6010C	0.3 MG/KG		\$ 72.00
551			E 200.7	0.005 mg/L	\$ 7.20	\$ 144.00
56		Antimony	E 200.8	0.002 MG/	L \$ 12.60	\$ 126.00
564		Antimony Alt. Method	SW 6010C	1.0 MG/KG	\$ 7.20	\$ 72.00
561		Antimony (Solid)	E 200.7	0.005 mg/L	\$ 7.20	\$ 144.00
57	20	Arsenic	E 200.8	0.003 Mg/L	0 12 60	\$ 126.00
57/	10	Arsenic Alt. Method	SW 6010C	1.0 MG/KG	\$ 7.20	\$ 72.00
571		Arsenic (Solid)	E 200.7		\$ 7.20	\$ 144.00
58		Barium		0.005 mg/L	10.60	\$ 126.00
58/		Barium Alt. Method	E 200.8	0.001 MG/I	7 30	\$ 72.00
581		Barium (Solid)	SW 6010C	0.20 MG/KG	3 9	\$ 800.00
55		Beryllium	E 200.8	0.00008 mg/		\$ 72.00
59		Beryllium Alt, Method	E 200.7	0.002 MG/	\$ 7.20	\$ 72.00
1 59	Λ 10	Beryllium (Solid)	SW 6010C	0.05 MG/KG	\$ 7.20	\$ 72.00

rem No	EST QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT
100	QUARTITI	grand to the state of the state				
			E 200.7	0.02 mg/L	\$ 7.20	\$ 144.00
50	20	Boron	N/A	N/A	S N/A	\$ N/A
0A	10	Boron Alt. Method	SW 6010C	2.0 MG/KG	\$ 7.20	\$ 72.00
OB	10	Boron (Solid)	E 200.8	0.00005 mg/L	\$ 12.60	\$ 2,520.00
61	200	Cadmium	E 200.7	0.0003 Mg/L	\$ 7.20	\$ 144.00
i1A	20	Cadmium Alt, Method	SW 6010C	0.1 MG/KG	\$ 7.20	\$ 72.00
51B	10	Cadmium (Solid)	1 State 2015		\$ 7.20	\$ 3,600.00
62	500	Calcium	E 200.7	0.02 mg/L N/A	S N/A	\$ N/A
52A	20	Calcium Alt. Method	N/A SW 6010C		\$ 7.20	\$ 72.00
62B	10	Calcium (Solid)	2500	5.0 MG/KG	\$ 7.20	\$ 144.00
63	20	Chromium	E 200.7	0.001 mg/L	\$ 12.60	\$ 126.00
	10	Chromium Alt. Method	E 200.8	0.001 MG/L	φ	\$72.00
63A	10	Chromium (Solid)	SW 6010C	0.2 MG/KG	\$ 7.20	\$ 144.00
63B		Cobalt	E 200.7	0.001 mg/L	\$ 7.20	\$ 126.00
64	20	Cobalt Alt. Method	E 200.8	0.001 MG/L	\$ 12.60	
641	10		SW 6010C	0.2 MG/KG	\$ 7.20	\$ 72.00
64B	10	Cobalt (Solid)	E 200.7	0.001 mg/L	\$ 7.20	\$ 1,440.00
65	200	Copper	E 200.8	0.001 MG/L	S 12.60	\$ 252.00
65A	20	Copper Alt, Method	SW 6010C	0.2 MG/KG	\$ 7.20	\$ 72.00
65B	10	Copper (Solid)	E 200.7	0.01 mg/L	\$ 7.20	\$ 21,600.00
66	3000	Iron	N/A	N/A	S N/A	S N/A
66A	100	Iron Alt, Method		0.5 MG/KG	\$ 7.20	\$ 72.00
66B	10	Iron (Solid)	SW 6010C	A \$1,000 740 E 4 \$1,000 C	\$ 7.20	\$ 1,440.00
67	200	Lead	E 200.7	0.00054 mg/L	\$ 12.60	\$ 126.00
67A	10	Lead Alt. Method	E 200.8	0.0002 MG/L 1.0 MG/KG		\$ 72.00
67B	10	Lead (Solid)	SW 6010C		ψ	\$ 3,600.00
68	500	Magnesium	E 200.7	0.05 mg/L		\$ 252.00
	20	Magnesium Alt, Method	E 200.8	0.05 MG/L	Ψ	\$ 72.00
68A	10	Magnesium (Solid)	SW 6010C	1.0 MG/KG	Ψ	
68B		Manganese	E 200.7	0.005 mg/L	Φ	\$ 21,600.00
69	3000	Manganese Alt. Method	E 200.8	0.001 MG/L	\$12.60	\$ 1,260.00
69A	100		SW 6010C	0.2 MG/KG	\$7.20	\$ 72.00
69B	10	Manganese (Solid)	E 245.1	0,0001 mg/L	\$20.00	\$ 4,000.00
70	200	Mercury	1631E	0.5 ng/L	\$ 44.20	\$ 8,840.00
70A	200	Mercury / Method 1631E	SW 7471B	0.02 MG/KG	\$ 20.00	\$ 200.00
70B	10	Mercury (Solid)		0.005 mg/L	\$ 7.20	\$ 144.00
71	20	Molybdenum	E 200.7	0.003 Mg/L	\$ 12.60	\$ 126.00
71A	10	Molybdenum Alt, Method			\$ 7.20	\$ 72.00
71B		Molybdenum (Solid)	SW 6010C	0.7 MG/KG	\$ 7.20	\$ 1,440.00
72	200	Nickel	E 200.7	0.005 mg/L		\$ 252.00
72A		Nickel Alt, Method	E 200.8	0.002 MG/L		\$ 72.00
721		Nickel (Solid)	SW 6010C		\$7.20	\$ 3,600.00
-	500	Potassium	E 200.7	0.05 mg/L	\$7.20	
73		Potassium Alt. Method	N/A	N/A	\$ N/A	\$ N/A
73/		Potassium (Solid)	SW 6010C	2.0 MG/KG	\$ 7.20	\$ 72.00
73F			E 200.7	0.001 mg/L	\$ 7.20	\$ 3,600.00
74	_	Selenium Alt. Mathed	SM3114B/SW	77742M 0.0001 M	G/I \$ 30.00	\$ 600.00
74/		Selenium Alt, Method	SW 6010C	1.0 MG/KG	\$ 7.20	\$ 72.00
74F		Selenium (Solid)	E 200.8	0.000072 mg/	10 60	\$ 2,520.0
75		Silver	E 200.7	0.002 MG/L	\$ 7.20	\$ 144.00
75/	A 20	Silver Alt. Method	SW 6010C	0.1 MG/KG	\$ 7.20	\$ 72.00
751		Silver	E 200.7	0.1 MG/KG	\$ 7.20	\$ 3,600.0
70		Sodium			\$ N/A	\$ N/A
76		Sodium Alt. Method	N/A	N/A	\$ N/A \$ 7.20	\$ 72.00
76	17.	Sodium (Solid)	SW 6010C	3.0 MG/KG		\$ 1,440.0
73		Strontium	E 200.7	0,001mg/L	4.	\$ 252.00
_		Strontium Alt. Method	E 200.8	0.001 MG		\$ 144.00
77.	7 40	Thallium	E 200.7	0,001 mg/l.	\$ 7.20	3

ITEM NO	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	TRUOMA
110						75 TAX
	10	Thallium Alt. Method	E 200.8	0.002 MG/L	\$ 12.60	\$ 126.00
78/	10	Thallium (Solid)	SW 6010C	1.0 MG/KG	\$ 7.20	\$ 72.00
78B	20	Tin	E 200.7	0.02 mg/L	\$ 7.20	\$ 144.00
79		Tin Alt. Method	E 200.8	0.001 MG/L	\$ 12.60	\$ 126.00
79A	10		SW 6010C	1.0 MG/KG	\$ 7.20	\$ 72.00
79B	10	Tin (Solid)	E 200.7	0.005 mg/L	\$ 7.20	\$ 144.00
80	20	Vanadium Vanadium	E 200.8	0.001 MG/L	\$ 12.60	\$ 126.00
80A	10	Vanadium Alt. Method	SW 6010C	0.2 MG/KG	\$ 7.20	\$ 72.00
80B	10	Vanadium (Solid)	E 200.7	0.002 mg/L	\$ 7.20	\$ 1,440.00
81	200	Zinc	E 200.8	0.002 Mg/L	S 12.60	\$ 252.00
811	20	Zine Alt. Method	The state of the s	0.5 MG/KG	\$ 7.20	\$ 72.00
81B	10	Zine (Solid)	SW 6010C	0.5 No/ Ro	4	*
82	200	Metals Prep Cost	E 200.2	N/A	\$ 10.00	\$ 2,000.00
82A	10	Metals Prep Cost (Solid)	SW 3050B	N/A	\$ 15.00	\$ 150.00
83	20	Gross Alpha			\$ 78.00 \$ 78.00	\$ 1,560.00 \$ 1,560.00
84	20	Gross Beta			\$ 100.00	\$ 2,000.00
85	20	Ra-226			4.	\$ 2,000.00
86	20	Ra-228			\$ 100.00	\$1,500.00
87	20	Total Uranium			\$ 75.00	\$ 2,500.00
88	20	Sr-89			\$ 125.00	\$ 2,500.00
89	20	Sr-90			\$ 125.00	4
90	20	Tritium (H3)			\$ 75.00	\$1,500.00
91	20	Gamma (Cs-137)			\$ 95.00	\$1,900.00
92	20	Radon			\$ 75.00	\$ 1,500.00

		Toxicity Testing - Freshwater Organisms		
		Acute:	\$ 309.75	\$ 7,743.75
93	25	Ceriodaphnia	\$ 309.75	\$ 3,097.50
94	10	Daphnia Pulex / D. magna	9	
95	25	Pimephales promelas	\$ 414.75	\$ 10,368.75
		Chronic:	0.1.044.75	\$ 26,118.75
96	25	Ceriodaphnia	\$ 1,044.75	4.
97	25	Pimephales promelas (Survival & Growth)	\$ 1,464.75	\$ 36,618.75
				10
98	200	Analysis of entire "Phase I Parameters" for landfills	\$ 580.00	\$ 116,000.0

See Appendix A for list.

99	10	Professional staff representation of data in legal/administrative setting per hour	§ 110.00	§ 1,100.00
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100 [0.1	Charleston Office, 601 57th St., SE, Charleston, WV 25304	\$ N/C M-F	\$ N/C M-F
100	24	Charleston Office, 601 57th BE, 613 children, 1		
*		In Off BO Day 662 Trans WV 25596	S N/C M-F	SN/C M-F
101	24	Tenys Office, P.O. Box 662, Tenys, WV 25596	a postation of a	
. 6 m	SEMES No. 1	51 B1 . WV 2654	S N/C THURS.	S N/C THURS
102	24	Pairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554	3, 6	19 .
			Te 200 00	\$ 4,800.00
103	24	Romney Office, HC 63, Box 2545, Romney, WV 26757	\$200.00	3 1/000.00
				i portugi
104	24	French Creek Office, P.O. Box 38, French Creek, WV 26218	\$ 100.00	\$2,400.00

ITEM NO.	EST QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT
105	24	Wheeling Office, 131A Peninsula St., Whe	eling, WV 26	003	SN/C TUESDAY	\$N/C TUESDAY
106	24	Parkersburg Office, 2311 Ohio Ave., Park	ersburg, WV	26010	SN/C WED.	\$N/C WED.
-	ETAL SE				A Child Name	lawa ya n
107	24	Oak Hill Office, 116 Industrial Dr., Oak H	iii, WV 2590	1	\$ N/C M-F	SN/CM-F
. 10				Anda Mariah		(A)
108	24	Logan Office, 1101 George Kostas Dr. Lo	gan, 25601		\$N/C TUES.	\$N/C TUES.
1 - %	* 1					IZ vida muuna
109	24	Philippi Office, 105 S Railroad St. Philip	pi WV 26416		SN/C THURS.	\$ N/C THURS.
3.75						10.2 400 00
110	24	Welch Office, 311 Court St. Welch 24801			\$100.00	\$2,400.00
					\$ 1.00	\$ 5,000.00
111	5000	Other locations as Cost Per Mile to pickup	site		\$ 1.00	\$ 5,000.00
						50% %
112	10	24 Hour Turn-Around Rush Orders**			1	20.0
					 	25% 0/
113	10	48 Hour Turn-Around Rush Orders**	,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
						0% %
	10	72 Hour Turn Around Rush Orders**			1	,

All unit pricing quoted should be based on standard (not to exceed two weeks) turn-around time.

^{*} For Alternate test methods (and methods for which no MDL is listed), list your current method detection limit for each method

^{**} During emergency situations samples may be requested on a quicker turn-around basis. Enter percent increas over standard turn-around time.

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

2	1.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
	2.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
	3.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
	4.	Application is made for 5% resident vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
	5.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
	6.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
	require agains	understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the ements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty as t such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency ucted from any unpaid balance on the contract or purchase order.
	authorithe rec	omission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and lizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid quired business taxes, provided that such information does not contain the amounts of taxes paid nor any other information and by the Tax Commissioner to be confidential.
	and a	penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true ccurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate les during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.
	Bidde	r: RE/ Consultants, Inc Signed: CHSC
	Date:	16 Jan 2012 Title: Executive Via thosiden
	*Check	any combination of preference consideration(s) indicated above, which you are entitled to receive.

RFQ No. DEP 15729

STATE OF WEST VIRGINIA **Purchasing Division**

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE Taken, subscribed, and sworn to before me this 4 day of JANUARY, 20/6 My Commission expires ____ NOTARY PUBLIC **AFFIX SEAL HERE** OFFICIAL SEAL **NOTARY PUBLIC** STATE OF WEST VIRGINIA **ERIN G. MARTIN**

254 REBECCA LANE BEAVER, WV 25813 My commission expires August 15, 2013