



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
 DEP15037

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 CHUCK BOWMAN
 304-558-2157

RFQ COPY
 TYPE NAME/ADDRESS HERE

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
07/22/2010				

BID OPENING DATE: 08/19/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		961-48		
<p>GENERAL ANALYSIS OF WATER AND SOIL FIELD TESTING</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING QUOTATIONS FROM QUALIFIED VENDORS TO PROVIDE THE AGENCY WITH GENERAL ANALYSIS OF WATER AND SOIL PER THE FOLLOWING SPECIFICATIONS, SCOPE OF WORK, TERMS & CONDITIONS, BID REQUIREMENTS, AND THE ATTACHED BID SCHEDULE.</p> <p>EXHIBIT 3</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE UPON AWARD AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30)</p>						

RECEIVED
 2010 AUG 19 AM 9:33
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <i>Chuck Bowman</i>	TELEPHONE 304-842-5285	DATE 08/17/2010
TITLE Director	FSIN 55-0580040	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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 DEPARTMENT OF
 OFFICE OF WATER RESOURCES
 601 57TH STREET SE
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07/22/2010				

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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>OPEN MARKET CLAUSE: THE DIRECTOR OF PURCHASING MAY AUTHORIZE A SPENDING UNIT TO PURCHASE ON THE OPEN MARKET, WITHOUT THE FILING OF A REQUISITION OR COST ESTIMATE, ITEMS SPECIFIED ON THIS CONTRACT FOR IMMEDIATE DELIVERY IN EMERGENCIES DUE TO UNFORESEEN CAUSES (INCLUDING BUT NOT LIMITED TO DELAYS IN TRANSPORTATION OR AN UNANTICIPATED INCREASE IN THE VOLUME OF WORK.)</p> <p>QUANTITIES: QUANTITIES LISTED IN THE REQUISITION ARE APPROXIMATIONS ONLY, BASED ON ESTIMATES SUPPLIED BY THE STATE SPENDING UNIT. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACT SHALL COVER THE QUANTITIES ACTUALLY ORDERED FOR DELIVERY DURING THE TERM OF THE CONTRACT, WHETHER MORE OR LESS THAN THE QUANTITIES SHOWN.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Chuck Bowman</i>	TELEPHONE 304-842-5285	DATE 08/17/2010
TITLE Director	FEIN 55-0580040	ADDRESS CHANGES TO BE NOTED ABOVE

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VENDOR

SHIP TO

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

DATE PRINTED 07/22/2010	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
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BID OPENING DATE: **08/19/2010** **BID OPENING TIME 01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>TO CONTACT YOU REGARDING YOUR BID: FAX: 304-842-5351</p> <p>-----</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY): William Kirk or Tenley Miller</p> <p>-----</p>						
<p>***** THIS IS THE END OF RFQ DEP15037 ***** TOTAL:</p>						<p><u>See Attached</u></p>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304-842-5285	DATE 08/17/2010
TITLE Director	FEIN 55-0580040	ADDRESS CHANGES TO BE NOTED ABOVE

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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 lab 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.

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. Proof of certification and staff chemist(s) resume(s) must be provided at the time of bid.

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

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 complete the column in Appendix A with the method # associated with methods that have current MDLs that meet or are below the maximum MDL listed for each parameter. 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 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 in the bid sheet.

Results of analytical tests must be submitted electronically in a Microsoft Excel (or compatible) 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.

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.

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 DEP will provide all sample containers and field preservatives.
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 - Method

Item No.	Parameter	Associated MDL*	Method #	Alt Method #	Alt MDL
1	pH	N/A	SM4500 H+B	9045	N/A
2	Hot Acidity	5 mg/L	2310B		
3	Alkalinity	5 mg/L	2320B		
4	Hardness	1 mg/L	2340C		
5	Specific Conductance	3 μ S/cm ²	120.1		
6	Sulfate	5 mg/L	D516-02	300.0	0.05
7	Sulfide	1 mg/L	4500 S-F	9030	1.0
8	Turbidity	1 NTU (higher OK if highly turbid)	180.1		
9	Bromide	1 mg/L	300.0		
10	Chloride	5 mg/L	4500 CLB	300.0	0.15
11	Fluoride	0.2 mg/L	300.0		
12	Fecal Coliform (MF)	4 col/100 ml	9222D		
13	Fecal Coliform (MPN)	4 col/100 ml	9223B		
14	Total Solids	1 mg/L	2540B		
15	Dissolved Solids (TDS)	1 mg/L	2540C		
16	Suspended Solids (TSS)	3 mg/L	2540D		
17	Settleable Solids	0.5 mg/L	2540F		
18	Volatile Solids	1 mg/L	160.4		
19	Percent Solids	1%	2540G		
20	Kjeldahl Nitrogen	0.5 mg/L	4500NorgB		
20A	Kjeldahl Nitrogen (alt. method)	0.1 mg/L			
21	Ammonia Nitrogen	0.1 mg/L	D6919-03	4500N H3C	0.10
22	Organic Nitrogen	0.5 mg/L	4500NorgB		
23	Nitrate-Nitrogen	0.05 mg/L	300.0		
24	Nitrite-Nitrogen	0.05 mg/L	300.0		
25	Nitrite-Nitrate	0.05 mg/L	300.0		
25A	Nitrite-Nitrate (alt method)	0.01 mg/L			
26	Total Phosphorus	0.02 mg/L	4500 P-E		
26A	Total Phosphorus (alt. method)	0.005 mg/L			
27	Orthophosphate	0.01 mg/L	300.0		
28	Total Phosphate	0.01 mg/L	4500 P-E		

Appendix A - Method (Continued)

Item No.	Parameter	Associated MDL	Method #	Alt Method #	Alt MDL
29	BOD	1 mg/L	5210B		
30	BOD-carbonaceous	1 mg/L	5210B		
31	COD	0.5 mg/L	410.4		
32	TOC	1 mg/L	5310C		
33	MBAS	0.05 mg/L	5540C		
34	Phenolics	0.01 mg/L	420.1		
35	Total Cyanide	0.005 mg/L	4500 CNF	4500CND	
36	Hexavalent Chromium	0.005 mg/L	3500 CrD		
37	Oil-Grease	0.1 mg/L	1664A		
38	Chlorophyll A (Standard Methods)	0.5 mg/L			
39	Color (APHA)	5 color units	2120B		
40	Color (ADMI)	10 ADMI value			
41	Cyanide, Amenable (40 CSR 136)	0.005 mg/L	4500 CNI		
42	Cyanide, Free (ASTM)	0.01 mg/L	4500 CNF		
43	Mineral Acidity (Standard Methods)	1 mg/L	2310B		
44	Total Acidity (Standard Methods)	1 mg/L	2310B		
45	Tot Petroleum Hydrocarbons GRO/DRO (WVTPH/8015B)	0.5 mg/L	8015		
46	Fecal Streptococci (Standard Methods)	4 col/100 mL	-----		
47	Escherichia Coli (Numeric Result)	1 col/100 mL	9223B		
48	Bicarbonate (Standard Methods)	1 mg/L	2320B		
49	Ferrous Iron(Standard Methods)	0.05 mg/L	200.7		
50	Unionized Ammonia (46 CSR 1)	0.1 mg/L	D6919-03		
51	Dissolved Organic Carbon (Standard Methods)	1 mg/L	5310C		
52	Particulate Organic Carbon (Standard Methods)	1 mg/L	5310C		

Appendix A - Method (Continued)

Metals (Dissolved or Total) (dissolved metals will be field filtered)

Item No.	Parameter	Associated MDL (mg/L)	Method #	Alt Method #	Alt MDL
53	Aluminum	0.005	200.8	200.7	0.009
54	Antimony	0.005	200.8	200.7	0.015
55	Arsenic	0.005	200.8	200.7	0.007
56	Barium	0.005	200.7	200.8	0.0015
57	Beryllium	0.001	200.8	200.7	0.003
58	Boron	0.02	200.7	200.8	0.003
59	Cadmium	0.0002	200.8	200.7	0.002
60	Calcium	0.02	200.7	200.8	0.01
61	Chromium	0.001	200.8	200.7	0.006
62	Cobalt	0.001	200.8	200.7	0.007
63	Copper	0.001	200.8	200.7	0.005
64	Iron	0.01	200.7	200.8	0.005
65	Lead	0.001	200.8	200.7	0.005
66	Magnesium	0.05	200.7	200.8	0.01
67	Manganese	0.005	200.8	200.7	0.007
68	Mercury	0.5 (ng/L)		Method 1631-E	
68A	Mercury (alt. method)	0.0001	245.1		0.0001
69	Molybdenum	0.005	200.8	200.7	0.01
70	Nickel	0.005	200.8	200.7	0.006
71	Potassium	0.05	200.7	200.8	0.01
72	Selenium	0.001	200.8	200.7	0.004
73	Silver	0.0002	200.8	200.7	0.002
74	Sodium	0.05	200.7	200.8	0.01
75	Thallium	0.001	200.8	200.7	0.01
76	Tin	0.02	200.7	200.8	0.01
77	Vanadium	0.005	200.8	200.7	0.008
78	Zinc	0.002	200.8	200.7	0.002

Appendix A - Method (Continued)

Radiochemistry

Item No.	Parameter	Associated MDL	Method #	Alt Method #	Alt MDL
80	Gross Alpha				
81	Gross Beta				
82	Ra - 226				
83	Ra -228				
84	Total Uranium				
85	Sr-89				
86	Sr-90				
87	Tritium (H3)				
88	Gamma (Cs-137)				
89	Radon				

Toxicity Testing - Freshwater organisms

Item No.	Test	Est. #	Method #
	Acute:		
90	Ceriodaphnia	25	2002.0
91	Daphnia Pulex / D. magna	10	2021.0
92	Pimephales promelas	25	2000.0
	Chronic:		
93	Ceriodaphnia	25	1002.0
94	Pimephales promelas (Survival & growth)	25	1000.0
95	Pimephales promelas (Survival & teratogenicity)	25	1001.0

ANALYSIS OF WATER AND SOIL

DEP15037

Vendor's Bid Sheet

Vendors Name: Reliance Laboratories, 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.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
1	4000	pH	\$ 5.00	\$
2	4000	Hot Acidity	\$ 7.00	\$
2A	1000	Hot Acidity Alt. Method	\$	\$
3	4000	Alkalinity	\$ 6.00	\$
3A	1000	Alkalinity Alt. Method	\$	\$
4	500	Hardness	\$ 10.00	\$
4A	100	Hardness Alt. Method	\$	\$
5	1000	Specific Conductance	\$ 5.00	\$
5A	500	Specific Conductance Alt. Method	\$	\$
6	4000	Sulfate	\$ 10.00	\$
6A	1000	Sulfate Alt. Method	\$ 9.00	\$
7	20	Sulfide	\$ 12.00	\$
7A	10	Sulfide Alt. Method	\$ 12.00	\$
8	20	Turbidity	\$ 5.00	\$
8A	10	Turbidity Alt. Method	\$	\$
9	25	Bromide	\$ 9.00	\$
9A	10	Bromide Alt. Method	\$	\$
10	3000	Chloride	\$ 10.00	\$
10A	100	Chloride Alt. Method	\$ 9.00	\$
11	25	Fluoride	\$ 9.00	\$
11A	10	Fluoride Alt. Method	\$	\$
12	4000	Fecal Coliform (MF)	\$ 25.00	\$
12A	1000	Fecal Coliform (MF) Alt. Method	\$	\$
13	100	Fecal Coliform (MPN)	\$ 35.00	\$
13A	50	Fecal Coliform (MPN) Alt. Method	\$	\$
14	25	Total Solids	\$ 10.00	\$
14A	10	Total Solids Alt. Method	\$	\$
15	3000	Dissolved Solids (TDS)	\$ 10.00	\$
15A	1000	Dissolved Solids (TDS) Alt. Method	\$	\$
16	4000	Suspended Solids (TSS)	\$ 10.00	\$
16A	1000	Suspended Solids (TSS) Alt. Method	\$	\$
17	25	Settleable Solids	\$ 10.00	\$
17A	10	Settleable Solids Alt. Method	\$	\$
18	25	Volatile Solids	\$ 10.00	\$
18A	10	Volatile Solids Alt. Method	\$	\$
19	25	Percent Solids	\$ 10.00	\$
19A	10	Percent Solids Alt. Method	\$	\$
20	400	Kjeldahl Nitrogen	\$ 20.00	\$

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
20A	100	Kjeldahl Nitrogen Alt. Method	\$	\$
21	50	Ammonia Nitrogen	\$ 15.00	\$
21A	10	Ammonia Nitrogen Alt. Method	\$ 20.00	\$
22	50	Organic Nitrogen	\$ 35.00	\$
22A	10	Organic Nitrogen Alt. Method	\$	\$
23	50	Nitrate-Nitrogen	\$ 12.00	\$
23A	10	Nitrate-Nitrogen Alt. Method	\$	\$
24	50	Nitrite-Nitrogen	\$ 12.00	\$
24A	10	Nitrite-Nitrogen Alt. Method	\$	\$
25	400	Nitrite-Nitrate	\$ 20.00	\$
25A	100	Nitrite-Nitrate Alt. Method	\$	\$
26	400	Total Phosphorus	\$ 15.00	\$
26A	100	Total Phosphorus Alt. Method	\$	\$
27	50	Orthophosphate	\$ 9.00	\$
27A	10	Orthophosphate Alt. Method	\$	\$
28	50	Total Phosphate	\$ 15.00	\$
28A	10	Total Phosphate Alt. Method	\$	\$
29	25	BOD	\$ 20.00	\$
29A	10	BOD Alt. Method	\$	\$
30	25	BOD-carbonaceous	\$ 20.00	\$
30A	10	BOD-carbonaceous Alt. Method	\$	\$
31	25	COD	\$ 20.00	\$
31A	10	COD Alt. Method	\$	\$
32	25	TOC	\$ 20.00	\$
32A	10	TOC Alt. Method	\$	\$
33	25	MBAS	\$ 20.00	\$
33A	10	MBAS Alt. Method	\$	\$
34	25	Phenolics	\$ 20.00	\$
34A	10	Phenolics Alt. Method	\$	\$
35	25	Total Cyanide	\$ 18.00	\$
35A	10	Total Cyanide Alt. Method	\$	\$
36	200	Hexavalent Chromium	\$ 15.00	\$
36A	10	Hexavalent Chromium Alt. Method	\$	\$
37	25	Oil-Grease	\$ 30.00	\$
37A	10	Oil-Grease Alt. Method	\$	\$
38	100	Cholorophyll A (Standard Methods)	\$	\$
38A	20	Cholorophyll A Alt. Method	\$	\$
39	25	Color (APHA)	\$ 10.00	\$
39A	10	Color (APHA) Alt. Method	\$	\$
40	25	Color (ADMI)	\$	\$
40A	10	Color (ADMI) Alt. Method	\$	\$
41A	25	Cyanide, Amenable (40 CSR 136)	\$ 25.00	\$
41A	10	Cyanide, Amenable (40 CSR 136) Alt. Method	\$	\$
42	25	Cyanide, Free (ASTM)	\$ 20.00	\$
42A	10	Cyanide, Free (ASTM) Alt. Method	\$	\$
43	25	Mineral Acidity (Standard Methods)	\$ 7.00	\$
43A	10	Mineral Acidity Alt. Method	\$	\$
44	25	Total Acidity (Standard Methods)	\$ 7.00	\$
44A	10	Total Acidity Alt. Method	\$	\$
45	25	Tot Petroleum Hydrocarbons GRO/DRO (WVTPH/8015B)	\$ 60.00	\$
45A	10	Tot Petroleum Hydrocarbons GRO/DRO (WVTPH/8015B) Alt. Method	\$	\$

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
46	25	Fecal Streptococci (Standard Methods)	\$	\$
46A	10	Fecal Streptococci Alt. Method	\$	\$
47	25	Escherichia Coli (Numeric Result)	\$40.00	\$
47A	10	Escherichia Coli (Numeric Result) Alt. Method	\$	\$
48	25	Bicarbonate (Standard Methods)	\$8.00	\$
48A	10	Bicarbonate Alt. Method	\$	\$
49	25	Ferrous Iron (Standard Methods)	\$20.00	\$
49A	10	Ferrous Iron Alt. Method	\$	\$
50	25	Unionized Ammonia (46 CSR 1)	\$20.00	\$
50A	10	Unionized Ammonia (46 CSR 1) Alt. Method	\$	\$
51	25	Dissolved Organic Carbon (Standard Methods)	\$20.00	\$
51A	10	Dissolved Organic Carbon Alt. Method	\$	\$
52	25	Particulate Organic Carbon (Standard Methods)	\$20.00	\$
52A	10	Particulate Organic Carbon Alt. Method	\$	\$
53	4000	Aluminum	\$10.00	\$
53A	100	Aluminum Alt. Method	\$8.00	\$
54	20	Antimony	\$10.00	\$
54A	10	Antimony Alt. Method	\$8.00	\$
55	20	Arsenic	\$10.00	\$
55A	10	Arsenic Alt. Method	\$8.00	\$
56	20	Barium	\$8.00	\$
56A	10	Barium Alt. Method	\$10.00	\$
57	20	Beryllium	\$10.00	\$
57A	10	Beryllium Alt. Method	\$8.00	\$
58	20	Boron	\$8.00	\$
58A	10	Boron Alt. Method	\$10.00	\$
59	200	Cadmium	\$10.00	\$
59A	20	Cadmium Alt. Method	\$8.00	\$
60	500	Calcium	\$8.00	\$
60A	20	Calcium Alt. Method	\$10.00	\$
61	20	Chromium	\$10.00	\$
61A	10	Chromium Alt. Method	\$8.00	\$
62	20	Cobalt	\$10.00	\$
62A	10	Cobalt Alt. Method	\$8.00	\$
63	200	Copper	\$10.00	\$
63A	20	Copper Alt. Method	\$8.00	\$
64	3000	Iron	\$8.00	\$
64A	100	Iron Alt. Method	\$10.00	\$
65	200	Lead	\$10.00	\$
65A	10	Lead Alt. Method	\$8.00	\$
66	500	Magnesium	\$8.00	\$
66A	20	Magnesium Alt. Method	\$10.00	\$
67	3000	Manganese	\$10.00	\$
67A	100	Manganese Alt. Method	\$8.00	\$
68	200	Mercury	\$50.00	\$
68A	200	Mercury Alt. Method	\$30.00	\$
69	20	Molybdenum	\$10.00	\$
69A	10	Molybdenum Alt. Method	\$8.00	\$
70	200	Nickel	\$10.00	\$
70A	20	Nickel Alt. Method	\$8.00	\$
71	500	Potassium	\$8.00	\$
71A	20	Potassium Alt. Method	\$10.00	\$

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
72	500	Selenium	\$ 10.00	\$
72A	20	Selenium Alt. Method	\$ 8.00	\$
73	200	Silver	\$ 10.00	\$
73A	20	Silver Alt. Method	\$ 8.00	\$
74	500	Sodium	\$ 8.00	\$
74A	20	Sodium Alt. Method	\$ 10.00	\$
75	20	Thallium	\$ 10.00	\$
75A	10	Thallium Alt. Method	\$ 8.00	\$
76	20	Tin	\$ 8.00	\$
76A	10	Tin Alt. Method	\$ 10.00	\$
77	20	Vanadium	\$ 10.00	\$
77A	10	Vanadium Alt. Method	\$ 8.00	\$
78	200	Zinc	\$ 10.00	\$
78A	20	Zinc Alt. Method	\$ 8.00	\$
79	200	Metals Prep Cost *** Total Cost per sample	\$ 15.00	\$
80	20	Gross Alpha	\$	\$
80A	10	Gross Alpha Alt. Method	\$	\$
81	20	Gross Beta	\$	\$
81A	10	Gross Beta Alt. Method	\$	\$
82	20	Ra-226	\$	\$
82A	10	Ra-226 Alt. Method	\$	\$
83	20	Ra-228	\$	\$
83A	10	Ra-228 Alt. Method	\$	\$
84	20	Total Uranium	\$	\$
84A	10	Total Uranium Alt. Method	\$	\$
85	20	Sr-89	\$	\$
85A	10	Sr-89 Alt. Method	\$	\$
86	20	Sr-90	\$	\$
86A	10	Sr-90 Alt. Method	\$	\$
87	20	Tritium (H3)	\$	\$
87A	10	Tritium (H3) Alt. Method	\$	\$
88	20	Gamma (Cs-137)	\$	\$
88A	10	Gamma (Cs-137) Alt. Method	\$	\$
89	20	Radon	\$	\$
89A	10	Radon Alt. Method	\$	\$

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
Toxicity Testing - Freshwater Organisms				
Acute:				
90	25	Ceriodaphnia	\$	\$
91	10	Daphnia Pulex / D. magna	\$	\$
92	25	Pimephales promelas	\$	\$
Chronic:				
93	25	Ceroidaphnia	\$	\$
94	25	Pimephales promelas (Survival & Growth)	\$	\$
95	25	Pimephales promelas (Survival & Teratogenicity)	\$	\$
96	200	Analysis of entire "Phase I Parameters" for landfills	\$400.00	\$
97	10	Professional staff representation of data in legal/administrative setting per hour	\$ 100.00	\$
Collection of samples - costs associated with sample pickup form the following locations:				
98	24	Charleston Office, 601 57th St., SE, Charleston, WV. 25304	\$100.00	\$
99	24	Teays Office, P.O. Box 662, Teays, WV 25596	\$ 100.00	\$
100	24	Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554	\$25.00	\$
101	24	Romney Office, HC 63, Box 2545, Romney, WV 26757	\$ 75.00	\$
102	24	French Creek Office, P.O. Box 38, French Creek, WV 26218	\$ 50.00	\$
103	24	Wheeling Office, 131A Peninsula St., Wheeling, WV. 26003	\$ 75.00	\$
104	24	Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010	\$ 75.00	\$
105	24	Oak Hill Office, 116 Industrial Dr., Oak Hill, WV 25901	\$ 100.00	\$
106	24	Logan Office, 1101 George Kostas Dr. Logan, 25601	\$ 100.00	\$
107	24	Welch Office, 311 Court St. Welch 24801	\$ 100.00	\$
108	24	Other locations as Cost Per Mile to pickup site	\$0.50	\$
109	10	24 Hour Turn-Around Rush Orders**	\$ Analytical Cost X 2.00	\$
110	10	48 Hour Turn-Around Rush Orders**	\$ Analytical Cost X 1.75	\$
111	10	72 Hour Turn Around Rush Orders**	\$ Analytical Cost X 1.50	\$
TOTAL				\$

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

**During emergency situations samples may be requested on a quicker turn-around basis.

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.

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:**
XXX 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.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: William Kirk

Signed: _____

Date: 08/17/2010

Title: Director

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 exceeds 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

Vendor's Name: Reliance Laboratories, Inc.

Authorized Signature: *[Signature]* Date: 08/17/2010

State of West Virginia

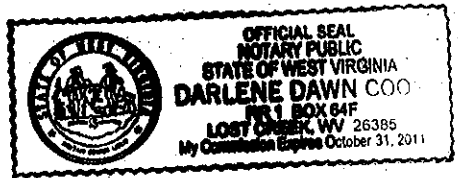
County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 17 day of August, 2010.

My Commission expires October 31, 2011, 2011.

AFFIX SEAL HERE

NOTARY PUBLIC *[Signature]*



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.htm 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 unit to 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 of 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).

LABORATORY CERTIFICATION

Attachment I

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

Annual Certified Parameter List

for

RELIANCE LABORATORIES - BRIDGEPORT
BRIDGEPORT, WEST VIRGINIA

PARAMETERS CERTIFIED

Acidity	SM19th2310 B	Titrimetric
Alkalinity	SM19th2320 B	Titrimetric
Ammonia	SM19th4500-NH3 C	Titrimetric
Ammonia	ASTM D6919-03	IC
Bromide	EPA300.0 Rev. 2.1	IC
Chloride	EPA300.0 Rev. 2.1	IC
Chloride	SM19th4500-Cl B	Titrimetric
Chlorine, Residual	SM19th4500-Cl G	Spectrophotometric
Chlorine, Residual (Field Test)	SM19th4500-Cl G	Spectrophotometric
Color	SM19th2120 B	Visual Comparison
Conductance, Specific	EPA120.1	Probe
Cyanide, Total	SM19th 4500-CN D	Titrimetric
Cyanide, Amenable to Chlorination	SM19th4500-CN F	ISE
Demand, Biochemical Oxygen (BOD)	SM19th5210 B	Probe
Demand, Chemical Oxygen (COD)	EPA410.4 Rev. 2.0	Spectrophotometric
Fluoride	EPA300.0 Rev. 2.1	IC
Hardness, Total	SM19th2340 C	Titrimetric
Kjeldahl, Total Nitrogen	SM19th4500-NH3 C	Titrimetric
Nitrate	EPA300.0 Rev. 2.1	IC
Nitrite	EPA300.0 Rev. 2.1	IC
Oil & Grease	EPA1664 A	Gravimetric
Organic Carbon, Total	SM19th5310 C	Oxidation
Phenolics, Total	EPA420.1 Rev 1978	Manual Spectrophotometric
Phosphorus, Total	SM19th4500 P E	Manual Spectrophotometric
Phosphorus, ortho	EPA300.0 Rev. 2.1	IC
Solids, Dissolved	SM19th2540 C	Gravimetric
Solids, Settleable	SM19th2540 F	Imhoff
Solids, Suspended	SM19th2540 D	Gravimetric
Solids, Total	SM19th2540 B	Gravimetric
Solids, Volatile	EPA160.4	Gravimetric

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Sulfate	ASTMD516-02	Turbidimetric
Sulfate	EPA300.0 Rev. 2.1	IC
Sulfide	SM19th4500-S F	Titrimetric
Surfactants (MBAS)	SM19th5540 C	Spectrophotometric
Temperature	SM19th2550 B	
Turbidity	EPA180.1	Turbidimetric
Oxygen, Dissolved (Field Test)	SM19th4500-O G	Probe
pH	SM19th4500-H B	Probe
pH(Field Test)	SM19th4500-H B	Probe
Ammonia	SM190th4500-NH3 B	Distillation
Cyanide	SM19th4500-CN C	Distillation
Cyanide	SW9010	Distillation
Fluoride	SM19th4500-F B	Distillation
Phosphorus, Total	SM19th4500-P B.5	Digestion
Total Kjeldahl Nitrogen	SM19th4500-Norg B	Digestion
Total Kjeldahl Nitrogen	SM19th4500-NH3 B	Distillation

NONPOTABLE WATER TRACE METALS

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
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
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
Nickel	EPA200.7 Rev 4.4-1994	ICP
Potassium	EPA200.7 Rev 4.4-1994	ICP
Selenium	EPA200.7 Rev 4.4-1994	ICP
Silver	EPA200.7 Rev 4.4-1994	ICP
Sodium	EPA200.7 Rev 4.4-1994	ICP
Thallium	EPA200.7 Rev 4.4-1994	ICP
Tin	EPA200.7 Rev 4.4-1994	ICP
Vanadium	EPA200.7 Rev 4.4-1994	ICP
Zinc	EPA200.7 Rev 4.4-1994	ICP

METALMETHODTECHNOLOGY

Aluminum	EPA200.8 Rev 5.4-1994	ICP
Antimony	EPA200.8 Rev 5.4-1994	ICP
Arsenic	EPA200.8 Rev 5.4-1994	ICP
Barium	EPA200.8 Rev 5.4-1994	ICP
Beryllium	EPA200.8 Rev 5.4-1994	ICP
Boron	EPA200.8 Rev 5.4-1994	ICP
Cadmium	EPA200.8 Rev 5.4-1994	ICP
Calcium	EPA200.8 Rev 5.4-1994	ICP
Chromium	EPA200.8 Rev 5.4-1994	ICP
Cobalt	EPA200.8 Rev 5.4-1994	ICP
Copper	EPA200.8 Rev 5.4-1994	ICP
Iron	EPA200.8 Rev 5.4-1994	ICP
Lead	EPA200.8 Rev 5.4-1994	ICP
Magnesium	EPA200.8 Rev 5.4-1994	ICP
Manganese	EPA200.8 Rev 5.4-1994	ICP
Mercury	EPA200.8 Rev 5.4-1994	ICP
Molybdenum	EPA200.8 Rev 5.4-1994	ICP
Nickel	EPA200.8 Rev 5.4-1994	ICP
Potassium	EPA200.8 Rev 5.4-1994	ICP
Selenium	EPA200.8 Rev 5.4-1994	ICP
Silver	EPA200.8 Rev 5.4-1994	ICP
Sodium	EPA200.8 Rev 5.4-1994	ICP
Strontium	EPA200.8 Rev 5.4-1994	ICP
Thallium	EPA200.8 Rev 5.4-1994	ICP
Tin	EPA200.8 Rev 5.4-1994	ICP
Titanium	EPA200.8 Rev 5.4-1994	ICP
Vanadium	EPA200.8 Rev 5.4-1994	ICP
Zinc	EPA200.8 Rev 5.4-1994	ICP
Mercury	EPA245.1	CVAA
Chromium, Hexavalent	SM19th3500-Cr D	Colorimetric
Total Recoverable Metals	EPA200.7 Rev 4.4-1994	Digestion
Total Metals	EPA200.7 Rev 4.4-1994	Digestion
Dissolved Metals	EPA200.7 Rev 4.4-1994	
Total Recoverable Metals	EPA200.8 Rev 5.4-1994	Digestion
Total Metals	EPA200.8 Rev 5.4-1994	Digestion
Dissolved Metals	EPA200.8 Rev 5.4-1994	

NONPOTABLE WATER VOLATILE ORGANIC CHEMICALSGROUPMETHODTECHNOLOGY

Total Petroleum Hydrocarbons (GRO)	SW8015B	GC/FID
Halogenates & Aromatics	SW8021B	GC/PID/HECD
BTEX	SW8021B	GC/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

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Total Petroleum Hydrocarbons (DRO) Solid Phase	SW8015B SW3535A	GC/FID Extraction

NONPOTABLE WATER MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Fecal Coliform	SM19th9222 D	Membrane Filter
Heterotrophic Plate Count	SM19th9215 B	Pour Plate

HAZARDOUS WASTE CHARACTERISTICS

<u>PROCEDURE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Corrosivity	SW9040 C	Probe
Ignitability	SW1010A	Closed Cup
Reactive Cyanide	Run Total Cyanide by SW9010/9014	
Reactive Sulfide	Run Total Sulfide by SW9030B/9034	
Paint Filter Test	SW9095B	Gravimetric
TCLP (Metals and Organics)	SW1311	Rotating Extractor

SOLID AND CHEMICAL INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
pH	SW9045D	Probe
Ammonia	SM19th4500-NH3 C	Titrimetric
Kjeldahl, Total Nitrogen	SM19th4500-NH3 C	Titrimetric
Phosphorus, Total	SM20th4500-P E	Manual Spectrophotometric
Solids, Total	SM19th2540 B	Gravimetric
Ammonia	SM19th4500-NH3 B (M)*	Distillation
Cyanide, Total	SW9013	Distillation
Cyanide, Total	SW9010	Distillation
Total Kjeldahl Nitrogen	SM19th4500Norg B	Digestion
Total Kjeldahl Nitrogen	SM19th4500-NH3 B	Distillation
Phosphorus, Total	SM19th4500-P B.5 (M)*	Digestion

*Modified for analysis of solid and chemical matrices.

SOLID AND CHEMICAL TRACE METALS

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
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
Iron	SW6010C	ICP
Lead	SW6010C	ICP
Magnesium	SW6010C	ICP
Manganese	SW6010C	ICP
Molybdenum	SW6010C	ICP
Nickel	SW6010C	ICP
Potassium	SW6010C	ICP
Selenium	SW6010C	ICP
Silver	SW6010C	ICP
Sodium	SW6010C	ICP
Vanadium	SW6010C	ICP
Zinc	SW6010C	ICP
Mercury	SW7471A	CVAA
Metals	SW3050B	Digestion

SOLID AND CHEMICAL MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Fecal Coliform	SM19th9222 D	Membrane Filter

SOLID AND CHEMICAL VOLATILE ORGANIC CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Total Petroleum Hydrocarbons (GRO)	SW8015B	GC/FID
Halogenates & Aromatics	SW8021B	GC/PID/HECD
Volatile Organics in Soil	SW5035	Purge and Trap

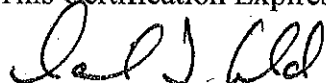
SOLID AND CHEMICAL EXTRACTABLE AND SEMI-VOLATILE ORGANIC
CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Total Petroleum Hydrocarbons (DRO) Ultrasonic Extraction	SW8015B SW3550 C	GC/FID

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.

This Certification Expires April 30, 2011.

Certificate No 158



Issued on August 02, 2010

Daniel T. Arnold
Program Manager

Attachment I

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

Annual Certified Parameter List

for

RELIANCE LABORATORIES - MARTINSBURG
MARTINSBURG, WEST VIRGINIA

PARAMETERS CERTIFIED

LIMITED CHEMISTRY: Sulfate(ASTM D516-90,02), Specific Conductance(EPA120.1 Rev-1982), Oil & Grease(EPA1664 A), Turbidity(EPA180.1 Rev 2.0-1993), Acidity, Hot, Total(SM19th2310 B(4a)), Alkalinity(SM19th2320 B), Hardness, Total(SM19th2340 C), Temperature(SM19th2550 B), Chlorine, Residual(SM19th4500-Cl G), Chloride(SM19th4500-Cl-B), pH(SM19th4500-H B), Oxygen, Dissolved(SM19th4500-O G), Phosphorus, Total(SM19th4500-P B.5 + SM19th4500-P E)

Demand: Oxygen, Chemical, (COD)(EPA410.4 Rev 2.0-1993), Oxygen, Biochemical, (BOD)(SM19th5210 B)

Nitrogen: Ammonia(SM19th4500NH3 B + SM19th4500NH3 C), Nitrite(SM19th4500NO2 B), Nitrate(SM19th4500NO3 D), Kjeldahl, Total, (TKN)(SM19th4500Norg B + SM19th4500NH3 C)

Solids: Total(SM19th2540 B), Dissolved(SM19th2540 C), Suspended(SM19th2540 D), Settleable(SM19th2540 F)

IC

EPA300.0 Rev 2.1-1993 - Chloride, Fluoride, Nitrate, Nitrate-Nitrite, Nitrite, Sulfate

METALS

Miscellaneous: Chromium, Hexavalent(SM19th3500-Cr D)

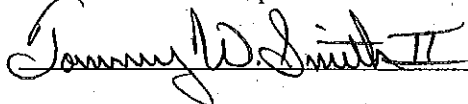
MICROBIOLOGY

MF: Coliform, Fecal(SM19th9222 D)

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.

This Certification Expires November 30, 2010.

Certificate No 181



Issued on December 10, 2009

Tommy W. Smith II
Quality Assurance Officer



*West Virginia Department of Health and Human Resources
Bureau For Public Health
Office of Laboratory Services*

CERTIFIED PARAMETER LIST AND CURRENT STATUS

**Reliance Laboratories, Inc.
10 Benedum Airport Industrial Park
Bridgeport, WV 26330**

Certificate: **00354 CM**
Issue Date: **1/1/2010**
Expiration Date: **12/31/2010**

Group: Microbiology

Method	Status	Description
E. coli (Count)	Certified	Collert MPN
Total Coliforms	Certified	Readicult Coll 100
Fecal Coliforms/E. Coli	Certified	Readicult Coll 100
Heterotrophic Bacteria	Certified	HPC - Pour Plate Method

Group: Trace Metals

Method	Status	Description
Antimony	Certified	
Arsenic	Certified	
Barium	Certified	
Beryllium	Certified	
Cadmium	Certified	
Chromium	Certified	
Copper	Certified	
Lead	Certified	
Mercury	Certified	
Selenium	Certified	
Thallium	Certified	

Group: Inorganics

Method	Status	Description
Cyanide	Certified	
Fluoride	Certified	
Nitrate-N	Certified	
Nitrite-N	Certified	

Group: Organics, Haloacetic Acids (HAA5)

Method	Status	Description
Bromoacetic Acid	Certified	
Chloroacetic Acid	Certified	
Dibromoacetic Acid	Certified	
Dichloroacetic Acid	Certified	
Trichloroacetic Acid	Certified	

This is to certify that the laboratory has been approved to perform the indicated procedures on drinking water in accordance with West Virginia 64CSR 3-13:



*West Virginia Department of Health and Human Resources
Bureau For Public Health
Office of Laboratory Services*

CERTIFIED PARAMETER LIST AND CURRENT STATUS

**Reliance Laboratories, Inc.
10 Benedum Airport Industrial Park
Bridgeport, WV 26330**

**Certificate: 00354 CM
Issue Date: 1/1/2010
Expiration Date: 12/31/2010**

<i>Group: Organics, Trihalomethanes</i>	Method	Status	Description
Bromoform	524.2 R 4.1	Certified	
Bromodichloromethane	524.2 R 4.1	Certified	
Chloroform	524.2 R 4.1	Certified	
Chlorodibromomethane	524.2 R 4.1	Certified	
<i>Group: Organics, Volatile Organic Chemicals</i>	Method	Status	Description
1,1,1-Trichloroethane	524.2 R 4.1	Certified	
1,1,2-Trichloroethane	524.2 R 4.1	Certified	
1,1-Dichloroethylene	524.2 R 4.1	Certified	
1,2,4-Trichlorobenzene	524.2 R 4.1	Certified	
1,2-Dichlorobenzene	524.2 R 4.1	Certified	
1,2-Dichloroethane	524.2 R 4.1	Certified	
1,2-Dichloropropane	524.2 R 4.1	Certified	
1,4-Dichlorobenzene	524.2 R 4.1	Certified	
Benzene	524.2 R 4.1	Certified	
Carbon Tetrachloride	524.2 R 4.1	Certified	
Chlorobenzene	524.2 R 4.1	Certified	
cis-1,2-Dichloroethylene	524.2 R 4.1	Certified	
Dichloromethane	524.2 R 4.1	Certified	
Ethylbenzene	524.2 R 4.1	Certified	
Styrene	524.2 R 4.1	Certified	
Tetrachloroethylene	524.2 R 4.1	Certified	
Toluene	524.2 R 4.1	Certified	
trans-1,2-Dichloroethylene	524.2 R 4.1	Certified	
Trichloroethylene	524.2 R 4.1	Certified	
Vinyl Chloride	524.2 R 4.1	Certified	
Xylenes (Total)	524.2 R 4.1	Certified	

This is to certify that the laboratory has been approved to perform the indicated procedures on drinking water in accordance with West Virginia 64CSR 3-13:



*West Virginia Department of Health and Human Resources
Bureau For Public Health
Office of Laboratory Services*

CERTIFIED PARAMETER LIST AND CURRENT STATUS

**Reliance Laboratories, Inc.
25 Crimson Circle
Martinsburg, WV 25401**

Certificate: **00443 M**
Issue Date: **1/1/2010**
Expiration Date: **12/31/2010**

Group: Microbiology

	Method	Status	Description
Total Coliforms	SM9223B	Certified	Readicult Coli 100
Fecal Coliforms/E. Coli	SM9223B	Certified	Readicult Coli 100

This is to certify that the laboratory has been approved to perform the indicated procedures on drinking water in accordance with West Virginia 64CSR 3-13:



MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230
410-537-3000 • 1-800-633-6101

Martin O'Malley
Governor

Anthony G. Brown
Lieutenant Governor

Shari T. Wilson
Secretary

Robert M. Summers, Ph.D.
Deputy Secretary

SDWA ANNUAL CERTIFIED PARAMETER LIST

Reliance Laboratories, Inc. - Bridgeport
P.O. Box 4657, Benedum Industrial Park Road
Bridgeport, WV 26330-4657

William Kirk
Certificate # 337
EPA ID # WV00042

ANALYTE	METHOD	STATUS
1,1,1-Trichloroethane	EPA 524.2	Certified
1,1,2-Trichloroethane	EPA 524.2	Certified
1,1-Dichloroethylene	EPA 524.2	Certified
1,2,4-Trichlorobenzene	EPA 524.2	Certified
1,2-Dichlorobenzene	EPA 524.2	Certified
1,2-Dichloroethane	EPA 524.2	Certified
1,2-Dichloropropane	EPA 524.2	Certified
1,4-Dichlorobenzene	EPA 524.2	Certified
Antimony	EPA 200.8	Certified
Arsenic	EPA 200.8	Certified
Barium	EPA 200.8	Certified
Benzene	EPA 524.2	Certified
Beryllium	EPA 200.8	Certified
Bromodichloromethane	EPA 524.2	Certified
Bromoform	EPA 524.2	Certified
Cadmium	EPA 200.8	Certified
Carbon Tetrachloride	EPA 524.2	Certified
Chlorobenzene	EPA 524.2	Certified
Chlorodibromomethane	EPA 524.2	Certified
Chloroform	EPA 524.2	Certified
Chromium	EPA 200.8	Certified
cis-1,2-Dichloroethene	EPA 524.2	Certified
Cyanide	SM 4500CN-F	Certified
Copper	EPA 200.8	Certified
Dibromoacetic Acid	EPA 552.3	Certified



MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Secretary

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Deputy Secretary

SDWA ANNUAL CERTIFIED PARAMETER LIST

Reliance Laboratories, Inc. - Bridgeport
P.O. Box 4657, Benedum Industrial Park Road
Bridgeport, WV 26330-4657

William Kirk
Certificate # 337
EPA ID # WV00042

ANALYTE	METHOD	STATUS
Dichloroacetic Acid	EPA 552.3	Certified
Dichloromethane	EPA 524.2	Certified
E. coli (Enumeration)	SM 9223	Certified
E. coli	Readycult	Certified
Ethylbenzene	EPA 524.2	Certified
Fluoride	EPA 300.0	Certified
Heterotrophic Plate Count	SM-9215 B	Certified
Lead	EPA 200.8	Certified
Mercury	EPA 200.8	Certified
Monobromoacetic Acid	EPA 552.3	Certified
Monochloroacetic Acid	EPA 552.3	Certified
Nitrate	EPA 300.0	Certified
Nitrite	EPA 300.0	Certified
Selenium	EPA 200.8	Certified
Styrene	EPA 524.2	Certified
Tetrachloroethylene	EPA 524.2	Certified
Thallium	EPA 200.8	Certified
Toluene	EPA 524.2	Certified
Total Coliforms	Readycult	Certified
Total Trihalomethanes	EPA 524.2	Certified
trans-1,2-Dichloroethene	EPA 524.2	Certified
Trichloroacetic Acid	EPA 552.3	Certified
Trichloroethylene	EPA 524.2	Certified
Vinyl Chloride	EPA 524.2	Certified
(total) Xylenes	EPA 524.2	Certified



MDE

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore MD 21230

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Martin O'Malley
Governor

Shari T. Wilson
Secretary

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Deputy Secretary

SDWA ANNUAL CERTIFIED PARAMETER LIST

Reliance Laboratories, Inc. - Martinsburg
25 Crimson Circle
Martinsburg, WV 25403

William Kirk
Certificate # 336
EPA ID # WV00901

ANALYTE	METHOD	STATUS
E. coli	SM 9223	Certified
Total Coliforms	SM 9223	Certified



LABORATORY STAFF RESUMES

T. MILLER – LABORATORY MANAGER – BRIDGEPORT, WV

M. COFFMAN – ANALYST

A. SEITZ – ANALYST

C. PARKER – ANALYST

C. SHREVES – ANALYST

A. PISKE – ANALYST

T. HANSHAW – ANALYST

A. AUVIL – LABORATORY SUPERVISOR – MARTINSBURG, WV

A. BIXLER - ANALYST

Tenley M. Miller

tmiller@wvdsi.net
RR 3 BOX 244-D1
Bridgeport, WV 26330

EXPERIENCE

Reliance Laboratories, Inc. Bridgeport, WV **Lab Manager May 2005 to Present**

- Development of Standard Operations Manual
- Development of Quality Control Manual
- Supervision of laboratory analysis and personnel
- Hiring and training laboratory personnel
- Assuring annual state certifications and performance evaluations
- Verification of raw data, calculations, and results
- Customer relations with new and existing clients

Reliance Laboratories, Inc. Martinsburg, WV **Lab Supervisor May 2002 to May 2005**

- Coordination of daily laboratory analysis and quality control
- Verification of raw data, calculations, and results
- Cultivation of new clients

Reliance Laboratories, Inc. Bridgeport, WV **Lab Technician May 2000 to May 2002**

- Performed environmental laboratory tests and quality control
- Development of Standard Operating Procedures for methods
- Trained new employees to perform laboratory tests

West Virginia Wesleyan College Chemistry Department **Chemistry Lab Assistant August 1999 to May 2002**

- Preparation of lab experiments, chemicals, and equipment
- Assisted students during lab procedures
- Graded lab reports, data sheets, questions

EDUCATION

West Virginia Wesleyan College Buckhannon, WV
May 2002 Bachelor of Science
Major: Chemistry. Minor: Business Administration

Robert C. Byrd High School
June 1998 Diploma

TECHNICAL EXPERIENCE

Microsoft: Excel, Word, Powerpoint, Access
Adobe Acrobat, ChemSTAT

REFERENCES

Will be furnished upon request.

Misaki Coffman

1631 Hoffman Ave. Clarksburg, WV 26301

304-629-8776

misaki814@hotmail.com

SKILLS

Identifying stream macroinvertebrates, Spectrophotometer, Atomic absorption photometer, Gas chromatograph, Infrared spectrophotometer, Electronic microscope, Energy dispersive X-ray fluorescence spectrometer, Differential scanning calorimetry, Glove box

QUALIFICATIONS

- National qualification in Japan highest level of manager in charge of pollution control for water quality division

- West Virginia's driver's license B.S. ENVIRONMENTAL SCIENCE 2001

WORK EXPERIENCE

May 2005- April 2007 Exxonmobil's branch TONEN CHEMICAL NASU in Japan as a laboratory technician for lithium ion rechargeable batteries' separator

Jan. 2004- April 2005 NASU ENVIRONMENTAL TECHNOLOGY CENTER in Japan as a laboratory technician for water analysis

Oct. 2002- Dec.2003 TOKYO TECHNICAL COLLEGE in Japan as a teaching assistant for environmental technology class

May 2002- July2002 OFFICE OF SURFACE MINING in America as an intern for searching river around abandoned mining

EDUCATION

May 1999- May2001 SALEM INTERNATIONAL UNIVERSITY in America
Environmental science major

April 1997- March1999 TOKYO TECHNICAL COLLEGE in Japan
Environmental Technology major

ACTIVITIES IN THE UNIVERSITY

- Residence Assistant for dormitory
- Volunteer for the GUARDIANS OF THE WEST FORK WATERSHED
- A member of the soccer team
- A member of international cultural activity

HONORS and AWARDS

- MAGNA CUM LAUDE
- DEAN'S LIST
- Who's who among students in American universities and colleges
- All American scholars
- Randolph scholar

Reference

Bruce Edinger, Ph.D

Associate Professor of Biology

Office Phone:304-336-8064

212 Arnett Hall CSC BOX139 West Liberty State College West liberty, WV26074

bedinger@westliberty.edu

Crystal D. Parker

304 Stealey Ave.
Clarksburg, WV 26301
(304) 624-9512

Objective To obtain a laboratory technician position based on my educational and research experiences.

Education

August 1994 to May 1998 **Fairmont State College** Fairmont, WV
Bachelor of Science degree in Biology
GPA: 3.767

Experience

November 1999 to December 1999 *Creative Candles Bridgeport, WV*
Sales Associate
Sold hand-carved candles, ran cash register, stocked shelves, and straightened store area.

July 1998 to August 1998 *CVS Pharmacy Moorefield, WV*
Temporary reset associate
Greeted customers, backfilled planograms, received, and completed price changes.

February 1996 to May 1996 *Fairmont State College Fairmont, WV*
Student tutor
Tutored general biology courses.

January 1996 to June 1996 *Jill Stalnaker Lumberport, WV*
Student tutor
Tutored general science, social studies, and Algebra I in my home.

March 1994 to May 1994 *Upward Bound of Salem-Teikyo University Salem, WV*
Student tutor
Tutored general biology and English.

Honors

Dean's list six semesters
Beta Beta Beta Biological Honorary Society (secretary and president)
Kappa Kappa Psi Honorary Band Fraternity (member, 2 years)
Who's Who Among American Colleges and Universities (one of the top ten at Fairmont State College)
Graduated summa cum laude from Fairmont State College

Personal

Hardworking, dedicated person who enjoys playing the clarinet and spending time with family and friends. In college, I was a member of the band, the Costa Rican Association, and the West Virginia Academy of Science. I presented a poster entitled "Ecological Studies on Fairmont Streams" at the 1997 West Virginia Academy of Science meeting.

Amanda Seitz

150 Harrison St., Clarksburg, WV 26301

Home Phone (609) 290-1276

QUALIFICATIONS: My qualifications span a variety of aspects from providing educational outreach to analytical testing in a laboratory. I have worked along side West Virginia DEP personnel on stream remediation projects and gathered information to be used in a 319-grant proposal that I helped write.

EDUCATION

1995-1999 Southern Regional High School, Manahawkin, NJ. Honor Society, Varsity Softball.
1999-2003 Salem International University, Salem, West Virginia, BS, Environmental Science, Honors, Sports.

EMPLOYMENT

- 2006-2007 **Laboratory Technician – Sturm Environmental Services, Bridgeport, West Virginia**
As evening biologist, specialize in the identification of benthic macroinvertebrates to the level of family and genus. Also perform bacteriological testing of water samples and quality assurance procedures in accordance with EPA requirements, follow lab procedures in use of autoclave, microscope, pH and conductivity meters. Analysis of water samples include: BOD; fecal and total coliform; E. coli; bioassay; dissolved oxygen; TKN; NH₃N; alkalinity, mineral acidity, total hot and cold acidity; settleable solids; heavy metals concentration; ferrous iron tests; hydrogen sulfide tests. Experience in running the Varian AA240z and SpectrAA220z furnace machines and Fisher Scientific Titrator and Sulfur Analyzer in soils department. In soils department, analysis also includes: color/ paste pH, fizz test, sulfur forms, soluble salts, double acid nutrients, bicarbonate phosphorous, neutralizing potential (NP) and modified H₂O₂ NP. Training in the process of core breakdown for testing samples. Record keeping and data reporting.
- 2003-2003 **US. Depart of Interior, OSM Internship, - Guardians of the West Fork Watershed, Salem International University, Salem, West Virginia**
Performed duties of monitoring and sampling streams in the watershed for detection of Acid Mine Drainage and other sources of water quality degradation (WVSOS Level III protocols). Responsibilities included: identification of benthic macro-invertebrates, use of topographic maps, GPS unit, pH, conductivity, flow and dissolved oxygen meters; calculate flow and load values; gather samples for heavy metal concentration analysis; watershed delineation. Also educational outreach to schools, grant research, assist Dept. of Environmental Protection employees in regular field tasks and work on a stream remediation project using a series of wetlands.
- 2002-2002 **Volunteer Intern – Alliance for a Living Ocean, Beach Haven, New Jersey**
As Program Coordinator for Inlet Lore gave presentations to groups at Barnegat Lighthouse State Park discussing topics encompassing water quality, background of the lighthouse and Long Beach Island, “look bucket” for numerous sea creatures. Discussed aspects of water quality, water safety, water testing (hydrometer, pH meter, dissolved oxygen, nitrate kit, sechi disk, rain gauge).
As Assistant Program coordinator for Twilight at the Bay, discussed a different water issue each week at public presentation and gather volunteers to assist in programs.
- 2003-present **Shift Leader / Manager-in-Training, Ruby Tuesday Inc., Clarksburg, WV**
Improve productivity by training, motivating, and delegating daily tasks to qualified team members. Count, record, and reconcile inventory. Handle company funds and proper accounting of company assets. Code and ledger invoices to be entered into the computer. Conduct shift transitions, cleanliness, safety and sanitation checks to ensure proper procedures are followed. Responsible for the overall productivity level within the restaurant through developing each team member's competence and confidence, diagnosing performance problems, correcting unsatisfactory performance, fostering productive working relationships, and provide guidance. Also selected to train staff in opening new stores.
- 2000-2003 Lifeguard, Salem International University, Salem, West Virginia
1996-2002 Lifeguard, Long Beach Township Beach Patrol, Brant Beach, NJ

OTHER PERTINENT TRAINING AND EDUCATION EXPERIENCE:

Certificate of Training from US Dept. of Labor Mine Safety and Health Administration for inexperienced miners for surface /coal/metal operations which included CPR training.

Received certificate from The Watershed Academy Web-Based Training Program (hosted by the EPA) for completion of fifteen internet-based training modules on the fundamentals of watershed management.

West Virginia Save Our Stream Certificate through the WV Dept. of Environmental Protection for completion of stream monitoring training.

Knowledgeable in computer programs such as Microsoft Word, Excel, and Power Point.

Certifications in CPR, First Aid, Emergency Responder, Oxygen Administration, and Automated External Defibrillation (AED).

REFERENCES:

Kristy Davis
79 E. High St. Apt A
Salem, WV 26426
304-782-3480

Crystal Clark, Manager Ruby Tuesday
Rt.1 Box 328
Salem, WV 26426
304-782-4175

Pat Brougham, Professor of Criminal Justice
116 Ridenour St.
Clarksburg, WV 26301
304-641-9389

Lou Schmidt, DEP, Mon Basin Coordinator
Clarksburg, WV 26301
304-783-4836

Christopher K. Shreves

125 Pennsylvania Ave.
Nutter Fort, WV 26301
Cell/Home: (304)-203-0715
iceman061@aol.com

Objective: An employment opportunity which would allow me to utilize my clinical skills and experience, leadership abilities, computer knowledge, and my background in Biology.

Education: **May 2006**
Bachelor of Science in Biology
West Virginia University, Morgantown, West Virginia

Courses taken include:

- Advanced Cellular Biology
- Comparative Anatomy
- Microbiology
- Medical Physics
- Animal Physiology
- Genetics
- Biochemistry

Other courses taken include:

- Analytical Chemistry
- Organic Chemistry I
- Organic Chemistry II
- NMR Structure and Determination

Work Experience:

- 1.) **Scientist in Research and Development**
 - **Wyeth Fort Dodge Animal Health**
 - January 5, 2009- August 28, 2009
 - **Responsibilities:**
 - Vaccine Development
 - Passaging and Harvesting of Virus and Cell Stocks
 - Data Recording and Evaluation
 - Conducted Clinical and Field studies

Research Related Experience:

- 5 years of experience in a biological lab setting while obtaining my Biology degree
- 2 years of experience in a chemistry lab setting while working on a Chemistry degree

Skills:

- Proficient in the use of MS Office, Windows XP, PowerPoint and the Internet.
- Proficient with equipment in the lab setting.

Activities and Awards:

- Youth Group Leader for Our Lady of Perpetual Help Church
- Nominated for National Dean's List

Alys Carey Piske

321 Pinnickinnick Street, Clarksburg, West Virginia, 26301

Home: 304-626-3067 Cell: 304-613-9829

piskeac@ab.edu piskeac@gmail.com

• Objective

- Accomplished, achievement-driven and results-oriented chemist/ biologist seeks employment as a Laboratory Technician at Reliance Laboratories Inc.

• Qualifications

- Superb laboratory skills: have taken upper-level Chemistry courses and conducted in biomedical research and teaching assistant duties
- Excellent computer skills: have taken courses in Computer Science and managing Pharmacy software
- Youthful and yet very mature; willing to learn and grow; passionate about achieving a challenging position that allows meaningful contributions to the health of others
- Persistent and driven: maintained a high GPA, while holding two part-time jobs
- Dynamic personality and satisfactory in speaking Spanish
- Outstanding leadership, interpersonal, planning and communication abilities; great customer service and sales skills.

• Education

- Alderson-Broadus College, 101 College Hill Drive, Philippi, WV (304) 457-1700
 - Bachelor of Science, Chemistry, Cum Laude *May 2010*
 - Bachelor of Science, Biology *Expected August 2010*

• Awards and Achievements

- Overall Academic Grade Point Average: 3.5 on a 4.0 Scale
- Graduated with Cum Laude Honors
- Received Natural Science Writing Award
- Deans List: Fall 2007, Fall 2008, Spring 2009, Fall 2009
- Alderson-Broadus Academic Excellence Scholarship
- Emma Alderson Scholarship
- Anonymous Endowed Scholarship

• Extracurricular

- Louis A. Johnson VA Medical Center Volunteer *(June 2009-Present)*
- Student Government Association, Senior Senator *(August 2009-Present)*
- Alderson-Broadus College Mission Team Member *(August 2009-Present)*
- Students Actively Involved in Leadership Member *(August 2009-Present)*
- American Cancer Society Relay for Life, Team Captain *(2005-2009)*

- **Professional Licenses and Certifications**

- Nationally Certified Pharmacy Technician
 - -PTCB Certified: Issued June 2008, Expires July 2010
- West Virginia State Licensed Pharmacy Technician
 - West Virginia Board of Pharmacy Certified: Issued July 2008, Expires July 2010

- **Work Experience**

- Nationally Certified Pharmacy Technician, Kroger Company, Buckhannon, WV
 - *(June 2008-Current)*
- Alderson-Broaddus College, Resident Assistant, Philippi, WV
 - *(August 2009-Current)*
- West Virginia IDeA Network of Biomedical Research Excellence Intern, Morgantown, WV
 - *(June 2009-July 2009)*
- Teaching Assistant for Chemistry Department, Alderson-Broaddus College, Philippi, WV
 - *(August 2008-May 2009)*
- Pharmacy Trainee, Kroger Company, Buckhannon, WV
 - *(June 2005-Until licensure obtained June 2008)*

- **References**

Dr. Nikki Shay, PharmD.

HC 71 Box 148
Ellamore, WV 26267
304-472-0789 tennisdiva@aol.com

Dr. Candice Pudder, PharmD.

Rt.1 Box 59A
Beverly, WV 26253
304-336-3100 candicejudy20@hotmail.com

Dr. David Aylmer, PhD. *Professor of Chemistry*

304-613-0125 aylmerdm@yahoo.com

Dr. John Enz, PhD. *Professor of Biology/Chair of Natural Science Division*

Alderson-Broaddus College
101 College Hill Road, Philippi, WV 26214
304-457-6245 enzjj@ab.edu

Mrs. Sarah Stevens, M.Ed. *Professor of Mathematics*

Alderson-Broaddus College
101 College Hill Road, Philippi, WV 26214
304-457-6408 stevensse@ab.edu

Mrs. Patricia Marsh B.A., *Educator & Teacher, French, English, WVU*

10 Rustic Drive
Buckhannon, WV 26201
304-472-6909

Tracey Hanshaw

Route 6 Box 157A
Fairmont, WV 26554
(304)-844-7458
(304)-366-6910
tlwbwb30@hotmail.com

OBJECTIVE

To obtain full-time employment which will allow me to utilize my educational background

PROFESSIONAL SKILLS

From the education and work experience I have obtained, I have become proficient in the following areas:

- A) being able to interact with a wide variety of personalities not only with customers, but also with my coworkers and management team.
- B) interacting with customers and utilizing organizational skills while handling numerous other tasks.
- C) being able to be trusted with large sums of money

COMPUTER SKILLS

Proficient in navigating personal computer programs such as Microsoft Windows, Microsoft Word and Works, and PowerPoint to create slide presentations.

Education

A) Fairmont Senior High School, 1 Loop Park, Fairmont, WV 26554 — 1995 to 1999

I graduated with a cumulative GPA of 3.74. I was enrolled in college preparatory classes that included but were not limited to geometry, trigonometry, pre-calculus, two years of general chemistry, two years of advanced placement English, and two years of a foreign language.

Awards and Honors

National Honor Society 1998– 1999

Who's Who Among American High School Students 1996– 1999

B) West Virginia University, Morgantown, WV 26506 — 1999 - 2003

I obtained a Bachelor of Science Degree in Animal and Veterinary Science, which provided a strong background in agriculture and science. The science also included a number of different laboratory exercises that dealt with becoming familiar with different kinds of software to record data sets. I had to become proficient in the following areas that included but were not limited to:

Inorganic Chemistry

Organic Chemistry

Physics

General Biology

Agricultural biochemistry

Animal Physiology

I graduated with a cumulative GPA of 3.36 and I completed 128 semester hours.

TRAINING

1) LABORATORY WORK

In order to become proficient in the laboratory classes I had to learn clinical laboratory analysis as well as learn how to interpret the data that was being analyzed. I achieved this by using a number of laboratory tools including but not limited to:

High powered microscopes

Centrifuges

Scales

Gas chromatography machines

Computer software programs

The computers played a big role in the interpretation of the data. They measured everything from the heartbeat of a sheep injected with epinephrine to the torque and velocity of a moving object.

2) FIELD EXPERIENCE

In addition to the laboratory work, I also experienced hands-on learning. The best display of this would be my work with poultry. I learned about all the aspects of the poultry industry including rearing, reproduction and nutrition. I raised about fifteen broiler chickens from incubation to slaughter. During this time, I learned to mix their feed to obtain maximum growth and weight gain while also providing the best nutritional value for the bird.

AWARDS AND HONORS

Dean's List 2001 - 2003

President's List 2002 - 2003

C) Fairmont State University, Fairmont, WV 26554 — 2003

Attended classes to obtain a background in macro and microeconomics, as well as statistics.

EMPLOYMENT HISTORY

A) Hospitality Coordinator (Hostess), Bob Evans Farms, Whitehall, WV 26554 — 3/99 - 9/01

While employed as a hospitality coordinator the duties included but were not limited to:

Greeting customers when they arrived

Trusted to take large cash pulls from the register in the middle of a shift, while totaling and placing in the hands of a member of the management team

Trusted to balance a cash drawer at the end of a shift, this included cash, coin, credit card receipts, and gift certificates

B) Salesperson (Waitress), Bob Evans Farms, Whitehall, WV 26554 — 9/01 - present

Currently employed as a salesperson, the duties include but are not limited to:

Providing excellent customer service from the very beginning

Being able to organize activities in the most time efficient manner

Being able to complete one task while making time to help others

Handling many customers at one time while making sure each is completely satisfied

REFERENCES

PROFESSIONAL

A) Todd Fancher, General Manager, Bob Evans Farms, Whitehall, WV, (304) 366-9735

B) Robin Smith, Director of the United Way of Marion County, Fairmont, WV, (304) 366-4550

PERSONAL

C) Diane Tennant, Sales Rep, Verizon, Clarksburg, WV, (304) 363-6635

Alison K. Auvil

aauvil@wvdsi.net

5476 Shepherdstown Rd
Martinsburg, WV 25404
(304) 886-7912

Objective

I am seeking to secure a rewarding full-time position within the Laboratory Technical field, where I can excel in a learning environment and apply my knowledge and experience within a challenging position.

Employment

Laboratory Supervisor – Reliance Laboratories, Inc., Martinsburg, WV

June 2003 – Present/FT

Primary Responsibilities: Liaised with businesses and the general public, respond to inquiries regarding analysis results, create and maintain personnel files, compile research and provide exceptional customer service.

Audit Clerk – Direct Mail Processors, Hagerstown, MD

March 2001 – October 2001

Primary Responsibilities: Log information on accounts, make daily deposits, fax clients, receive incoming mail, open, sort into batches and prepare mail for distribution to various departments, and data entry.

Accounting Office Personnel – Wal-Mart, Martinsburg, WV

July 1996 – May 1998

Primary Responsibilities: Assisted customers with past due accounts, appeared in court for insufficient funds accounts, verified large sums of cash, made deposits, data entry, and answered phones

**Education – Medical Assitant Program
Hagerstown Business College, Hagerstown, MD**

October 1999 – Present
Honors – Dean's List

Skills & Qualifications

I have the ability to plan and coordinate a variety of laboratory assignments as well as, prepare a variety of chemical reagents used in the analysis. I am a team player, analytical thinker, and quality oriented:

- ❖ Data review and preparation of reports
- ❖ Operating laboratory equipment properly and safely
- ❖ Implementation of analytical chemistry methods
- ❖ Weighing and measuring with accuracy
- ❖ Ensure that all QA / SOP functions and policies are followed
- ❖ Preparing evaluations by following written and oral direction
- ❖ Analysis of wastewater, drinking water, soils, sludge

➤ Proficient in the following applications: Microsoft Office: Word, Excel, Access, and Outlook

~ References available upon request ~

Adam J. Bixler
378 Vine Circle
Martinsburg, WV 25405
(304) 262-2461

Education:

Graduated- Alliance High School
Alliance, OH
1999, GPA: 3.90

Graduated- Waynesburg College
Waynesburg, PA
Graduated May 11, 2003, GPA: 3.20
BS Biology, General Biology Major, Chemistry Minor

Work Experience:

•Summit Environmental Technologies, Inc., Akron, OH
Laboratory Technician, January 2005- August 2006.

Field Experience:

•Friendship Hill National Historic Site, Smithfield, PA
Independent research project through Waynesburg College.
I collected and tested water samples to determine the effects
of acid mine drainage on the aquatic environment. September 2002-May 2003.



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
 DEP15037

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 CHUCK BOWMAN
 304-558-2157

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
10/27/2010				

BID OPENING DATE: 11/17/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 5 ***** ADDENDUM ISSUED FOR THE WATER/SOIL TESTING CONTRACT TO DISTRIBUTE THE REVISED SPECIFICATIONS, APPENDIX A, APPENDIX B, AND THE NEW BID SCHEDULE PER THE ATTACHED. BID OPENING DATE AND TIME ARE EXTENDED FROM 10/28/10 TO 11/17/2010 AT 1:30 PM. ***** NO OTHER CHANGES *****						
0001	1	LS		961-48		
GENERAL ANALYSIS OF WATER AND SOIL FIELD TESTING						

RECEIVED
 2010 NOV 17 AM 10:27
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Chuck Keefe* TELEPHONE: 304-842-5285 DATE: 11/15/2010

TITLE: Director FEIN: 55-0580040 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

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.htm 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 unit to 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).

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 lab 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. **Proof of certification and staff chemist(s) resume(s) must be provided at the time of bid.**

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

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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 complete the column in Appendix A with the method # associated with methods that have current MDLs that meet or are below the maximum MDL listed for each parameter. 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 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 in the bid sheet.

Results of analytical tests must be submitted electronically in a Microsoft Excel (or compatible) 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.

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 DEP will provide all sample containers and field preservatives.
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.

REVISED PER ADDM# 5

ANALYSIS OF WATER AND SOIL

DEP15037

Vendor's Bid Sheet

Vendors Name: Reliance Laboratories, Inc.

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

Liquid Samples						
ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Dection Level*	UNIT PRICE	AMOUNT
1	4000	pH	SM4500H+B	N/A	\$ 5.00	\$
1A	10	pH (Solid)	9045		\$ 5.00	\$
2	4000	Hot Acidity	SM2310B	5 mg/l	\$ 7.00	\$
2A	1000	Hot Acidity Alt. Method		*	\$	\$
3	4000	Alkalinity	SM2320B	5 mg/L	\$ 6.00	\$
3A	1000	Alkalinity Alt. Method			\$	\$
4	500	Hardness	SM2340C	1 mg/L	\$ 10.00	\$
4A	100	Hardness Alt. Method			\$	\$
4B	10	Hardness (Solid)			\$	\$
5	1000	Specific Conductance	120.1	3 uS/cm ²	\$ 5.00	\$
5A	500	Specific Conductance Alt. Method			\$	\$
6	4000	Sulfate	D516-02	5 mg/L	\$ 10.00	\$
6A	1000	Sulfate Alt. Method	300.0	0.05 mg/L	\$ 9.00	\$
6B	10	Sulfate (Solid)	D516-02	1.0 mg/L	\$ 10.00	\$
7	20	Sulfide	Sm4500S-F	1 mg/L	\$ 12.00	\$
7A	10	Sulfide Alt. Method	9030	1.0 mg/L	\$ 12.00	\$
8	20	Turbidity	180.1	1 NTU (higher OK if highly turbid)	\$ 5.00	\$
8A	10	Turbidity Alt. Method			\$	\$
9	25	Bromide	300.0	1 mg/L	\$ 9.00	\$
9A	10	Bromide Alt. Method	300.0	0.1 mg/L	\$ 9.00	\$
9B	10	Bronide (Solid)	300.0	1 mg/L	\$ 12.00	\$
10	3000	Chloride	SM4500CIB	5 mg/L	\$ 10.00	\$
10A	100	Chloride Alt. Method	300.0	0.15 mg/L	\$ 9.00	\$
10B	10	Chloride (Solid)	SM4500CIB	5 mg/L	\$ 12.00	\$
11	25	Fluoride	300.0	0.2 mg/L	\$ 9.00	\$
11A	10	Fluoride Alt. Method			\$	\$
11B	10	Fluoride (Solid)	300.0	1.0 mg/L	\$ 12.00	\$
12	4000	Fecal Coliform (MF)	SM9222D	4 col/100 mL	\$ 25.00	\$
12A	1000	Fecal Coliform (MF) Alt. Method			\$	\$
13	100	Fecal Coliform (MPN)	SM9223B	4 col/100 mL	\$ 35.00	\$
13A	50	Fecal Coliform (MPN) Alt. Method			\$	\$
14	25	Total Solids	SM2540B	1 mg/L	\$ 10.00	\$
14A	10	Total Solids Alt. Method			\$	\$
14B	10	Total Solide (Solid)			\$	\$
15	3000	Dissolved Solids (TDS)	SM2540C	1 mg/L	\$ 10.00	\$
15A	1000	Dissolved Solids (TDS) Alt. Method			\$	\$
16	4000	Suspended Solids (TSS)	SM2540D	3 mg/L	\$ 10.00	\$
16A	1000	Suspended Solids (TSS) Alt. Method			\$	\$

REVISED PER ADDM# 5

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Dection Level*	UNIT PRICE	AMOUNT
17	25	Settleable Solids	SM2540F	0.5 ml/l	\$ 10.00	\$
17A	10	Settleable Solids Alt. Method			\$	\$
18	25	Volatile Solids	160.4	1 mg/L	\$ 10.00	\$
18A	10	Volatile Solids Alt. Method			\$	\$
18B	10	Volatile Solide (Solid)	160.4	1 mg/kg	\$ 10.00	\$
19	25	Percent Solids	SM2540G	1%	\$ 10.00	\$
19A	10	Percent Solids Alt. Method			\$	\$
19B	10	Percent Solids (Solid)	SM2540G	1%	\$ 10.00	\$
20	400	Kjeldahl Nitrogen	SM4500NorgB	0.1 mg/L	\$ 20.00	\$
20A	100	Kjeldahl Nitrogen Alt. Method			\$	\$
20B	10	Kjeldahl Nitrogen (Solid)	SM4500NorgB	0.1 mg/kg	\$ 20.00	\$
20C	10	Kjeldahl Nitrogen Alt. Method (Solid)			\$	\$
21	50	Ammonia Nitrogen	D6919-03	0.1 mg/L	\$ 15.00	\$
21A	10	Ammonia Nitrogen Alt. Method	SM4500NH3C	0.1 mg/L	\$ 20.00	\$
21B	10	Ammonia Nitrogen (Solid)	SM4500NH3C	0.5 mg/kg	\$ 20.00	\$
21C	10	Ammonia Nitrogen Alt. Method (Solid)			\$	\$
22	50	Organic Nitrogen	SM4500NorgB	0.5 mg/L	\$ 35.00	\$
22A	10	Organic Nitrogen Alt. Method			\$	\$
23	50	Nitrate-Nitrogen	300.0	0.05 mg/L	\$ 12.00	\$
23A	10	Nitrate-Nitrogen Alt. Method			\$	\$
24	50	Nitrite-Nitrogen	300.0	0.05 mg/L	\$ 12.00	\$
24A	10	Nitrite-Nitrogen Alt. Method			\$	\$
24B	10	Nitrite-Nitrogen (Solid)	300.0	0.5 mg/kg	\$ 15.00	\$
24C	10	Nitrite-Nitrogen Alt. Method (Solid)			\$	\$
25	400	Nitrite-Nitrate	300.0	0.05 mg/L	\$ 20.00	\$
25A	100	Nitrite-Nitrate Alt. Method			\$	\$
25B	10	Nitrite-Nitrate (Solid)	300.0	0.5 mg/kg	\$ 25.00	\$
25C	10	Nitrite-Nitrate Alt. Method (Solid)			\$	\$
26	400	Total Phosphorus	SM4500P-E	0.005 mg/L	\$ 15.00	\$
26A	100	Total Phosphorus Alt. Method			\$	\$
26B	10	Total Phosphorus (Solid)	SM4500P-E	0.5 mg/kg	\$ 15.00	\$
26C	10	Total Phosphorus Alt. Method (Solid)			\$	\$
27	50	Orthophosphate	300.0	0.01 mg/L	\$ 9.00	\$
27A	10	Orthophosphate Alt. Method			\$	\$
28	50	Total Phosphate	SM4500P-E	0.01 mg/L	\$ 15.00	\$
28A	10	Total Phosphate Alt. Method			\$	\$
28B	10	Total Phosphate (Solid)	SM4500P-E	0.5 mg/kg	\$ 15.00	\$
28C	10	Total Phosphate Alt. Method (Solid)			\$	\$
29	25	BOD	SM5210B	1 mg/L	\$ 20.00	\$
29A	10	BOD Alt. Method			\$	\$
30	25	BOD-carbonaceous	SM5210B	1 mg/L	\$ 20.00	\$
30A	10	BOD-carbonaceous Alt. Method			\$	\$
31	25	COD	410.4	0.5 mg/L	\$ 20.00	\$
31A	10	COD Alt. Method			\$	\$
32	25	TOC	SM5310C	1 mg/L	\$ 20.00	\$
32A	10	TOC Alt. Method			\$	\$
33	25	MBAS	SM5540C	0.05 mg/L	\$ 20.00	\$
33A	10	MBAS Alt. Method			\$	\$
34	25	Phenolics	420.1	0.01 mg/L	\$ 20.00	\$
34A	10	Phenolics Alt. Method			\$	\$
34B	10	Phenolics (Solid)	420.1	0.5 mg/kg	\$ 20.00	\$
35	25	Total Cyanide	SM4500CND	0.005 mg/L	\$ 18.00	\$
35A	10	Total Cyanide Alt. Method	SM4500CNF	0.005 mg/L	\$ 18.00	\$
35B	10	Total Cyanide (Solid)	SM4500CND	0.10 mg/kg	\$ 20.00	\$

REVISED PER ADDM# 5

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Dection Level*	UNIT PRICE	AMOUNT
36	200	Hexavalent Chromium	SM3500CrD	0.005 mg/L	\$ 15.00	\$
36A	10	Hexavalent Chromium Alt. Method			\$	\$
36B	10	Hexavalent Chromium (Solid)	SM3500CrD	0.5 mg/kg	\$ 20.00	\$
37	25	Oil-Grease	1664A	2 mg/L	\$ 30.00	\$
37A	10	Oil-Grease Alt. Method			\$	\$
37B	10	Oil-Grease (Solid)	1664A	8.53 mg/kg	\$ 30.00	\$
38	100	Cholorophyll A		0.5 mg/L	\$	\$
38A	20	Cholorophyll A Alt. Method			\$	\$
39	25	Color (APHA)	SM2120B	5 color units	\$ 10.00	\$
39A	10	Color (APHA) Alt. Method			\$	\$
40	25	Color (ADMI)		10 ADMI value	\$	\$
40A	10	Color Alt. Method			\$	\$
41A	25	Cyanide, Amenable	SM4500CNI	0.005 mg/L	\$ 20.00	\$
41B	10	Cyanide, Amenable Alt. Method			\$	\$
42	25	Cyanide, Free (ASTM)	SM4500CNF	0.01 mg/L	\$ 18.00	\$
42A	10	Cyanide, Free Alt. Method			\$	\$
43	25	Mineral Acidity	SM2310B	1 mg/L	\$ 7.00	\$
43A	10	Mineral Acidity Alt. Method			\$	\$
44	25	Total Acidity	SM2310B	1 mg/L	\$ 7.00	\$
44A	10	Total Acidity Alt. Method			\$	\$
45	25	Tot Petroleum Hydrocarbons GRO/DRO (8015)	8015	0.5 mg/L	\$ 60.00	\$
45A	10	Tot Petroleum Hydrocarbons GRO/DRO (8015) Alt. Method			\$	\$
45B	10	Tot Petroleum Hydrocarbons GRO/DRO (8015) (Solid)	8015	1 mg/kg	\$ 60.00	\$
46	25	Fecal Streptococci		4 col/100 mL	\$	\$
46A	10	Fecal Streptococci Alt. Method			\$	\$
46B	10	Fecal Streptococci (Solid)			\$	\$
47	25	Escherichia Coli (Numeric Result)	SM9223B	1 col/100 mL	\$ 35.00	\$
47A	10	E. Coli (Numeric Result) Alt. Method			\$	\$
48	25	Bicarbonate (Standard Methods)	SM2320B	1 mg/L	\$ 8.00	\$
48A	10	Bicarbonate Alt. Method			\$	\$
49	25	Ferrous Iron (Standard Methods)	200.7	0.05 mg/L	\$ 20.00	\$
49A	10	Ferrous Iron Alt. Method			\$	\$
51	25	Dissolved Organic Carbon	SM5310C	1 mg/L	\$ 20.00	\$
51A	10	Dissolved Organic Carbon Alt. Method			\$	\$
53	4000	Aluminum	200.8	0.005 mg/L	\$ 10.00	\$
53A	100	Aluminum - Alt. method	200.7	0.009 mg/L	\$ 8.00	\$
53B	10	Aluminum (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
54	20	Antimony	200.8	0.005 mg/L	\$ 10.00	\$
54A	10	Antimony Alt. Method	200.7	0.015 mg/L	\$ 8.00	\$
54B	10	Antimony (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
55	20	Arsenic	200.8	0.005 mg/L	\$ 10.00	\$
55A	10	Arsenic Alt. Method	200.7	0.007 mg/L	\$ 8.00	\$
55B	10	Arsenic (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
56	20	Barium	200.7	0.005 mg/L	\$ 8.00	\$
56A	10	Barium Alt. Method	200.8	0.0015 mg/L	\$ 10.00	\$
56B	10	Barium (Solid)	6010C	0.15 mkg/kg	\$ 10.00	\$
57	20	Beryllium	200.8	0.001 mg/L	\$ 10.00	\$
57A	10	Beryllium Alt. Method	200.7	0.003 mg/L	\$ 8.00	\$
57B	10	Beryllium (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
58	20	Boron	200.7	0.02 mg/L	\$ 8.00	\$
58A	10	Boron Alt. Method	200.8	0.003 mg/L	\$ 10.00	\$

REVISED PER ADDM# 5

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Dection Level*	UNIT PRICE	AMOUNT
58B	10	Boron (Solid)	6010C	0.5 mg/kg	\$ 10.00	\$
59	200	Cadmium	200.8	0.0002 mg/L	\$ 10.00	\$
59A	20	Cadmium Alt. Method	200.7	0.003 mg/L	\$ 8.00	\$
59B	10	Cadmium (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
60	500	Calcium	200.7	0.02 mg/L	\$ 8.00	\$
60A	20	Calcium Alt. Method	200.8	0.01 mg/L	\$ 10.00	\$
60B	10	Calcium (Solid)	6010C	0.50 mg/kg	\$ 10.00	\$
61	20	Chromium	200.8	0.001 mg/L	\$ 10.00	\$
61A	10	Chromium Alt. Method	200.7	0.006 mg/L	\$ 8.00	\$
61B	10	Chromium (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
62	20	Cobalt	200.8	0.001 mg/L	\$ 10.00	\$
62A	10	Cobalt Alt. Method	200.7	0.007 mg/L	\$ 8.00	\$
62B	10	Cobalt (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
63	200	Copper	200.8	0.001 mg/L	\$ 10.00	\$
63A	20	Copper Alt. Method	200.7	0.005 mg/L	\$ 8.00	\$
63B	10	Copper (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
64	3000	Iron	200.7	0.01 mg/L	\$ 8.00	\$
64A	100	Iron Alt. Method	200.8	0.005 mg/L	\$ 10.00	\$
64B	10	Iron (Solid)	6010C	0.50 mg/kg	\$ 10.00	\$
65	200	Lead	200.8	0.001 mg/L	\$ 10.00	\$
65A	10	Lead Alt. Method	200.7	0.005 mg/L	\$ 8.00	\$
65B	10	Lead (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
66	500	Magnesium	200.7	0.05 mg/L	\$ 8.00	\$
66A	20	Magnesium Alt. Method	200.8	0.01 mg/L	\$ 10.00	\$
66B	10	Magnesium (Solid)	6010C	0.50 mg/kg	\$ 10.00	\$
67	3000	Manganese	200.8	0.005 mg/L	\$ 10.00	\$
67A	100	Manganese Alt. Method	200.7	0.007 mg/L	\$ 8.00	\$
67B	10	Manganese (Solid)	6010C	0.50 mg/kg	\$ 10.00	\$
68	200	Mercury	245.1	0.0001 mg/L	\$ 30.00	\$
68A	200	Mercury / Method 1631E	1631	0.5 ng/L	\$ 50.00	\$
68B	10	Mercury (Solid)	7471	0.005 mg/kg	\$ 30.00	\$
69	20	Molybdenum	200.8	0.005 mg/L	\$ 10.00	\$
69A	10	Molybdenum Alt. Method	200.7	0.01 mg/L	\$ 8.00	\$
69B	10	Molybdenum (Solid)	6010C	0.50 mg/kg	\$ 10.00	\$
70	200	Nickel	200.8	0.005 mg/L	\$ 10.00	\$
70A	20	Nickel Alt. Method	200.7	0.006 mg/L	\$ 8.00	\$
70B	10	Nickel (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
71	500	Potassium	200.7	0.05 mg/L	\$ 8.00	\$
71A	20	Potassium Alt. Method	200.8	0.01 mg/L	\$ 10.00	\$
71B	10	Potassium (Solid)	6010C	0.50 mg/kg	\$ 10.00	\$
72	500	Selenium	200.8	0.001 mg/L	\$ 10.00	\$
72A	20	Selenium Alt. Method	200.7	0.004 mg/L	\$ 8.00	\$
72B	10	Selenium (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
73	200	Silver	200.8	0.0002 mg/L	\$ 10.00	\$
73A	20	Silver Alt. Method	200.7	0.002 mg/L	\$ 8.00	\$
73B	10	Silver	6010C	0.10 mg/kg	\$ 10.00	\$
74	500	Sodium	200.7	0.05 mg/L	\$ 8.00	\$
74A	20	Sodium Alt. Method	200.8	0.01 mg/L	\$ 10.00	\$
74B	10	Sodium (Solid)	6010C	0.50 mg/kg	\$ 10.00	\$
75	20	Thallium	200.8	0.001 mg/L	\$ 10.00	\$
75A	10	Thallium Alt. Method	200.7	0.01 mg/L	\$ 8.00	\$
75B	10	Thallium (Solid)	6010C	0.50 mg/kg	\$ 10.00	\$
76	20	Tin	200.7	0.02 mg/L	\$ 8.00	\$
76A	10	Tin Alt. Method	200.8	0.01 mg/L	\$ 10.00	\$

REVISED PER ADDM# 5

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Dection Level*	UNIT PRICE	AMOUNT
76B	10	Tin (Solid)	6010C	0.50 mg/kg	\$ 10.00	\$
77	20	Vanadium	200.8	0.005 mg/L	\$ 10.00	\$
77A	10	Vanadium Alt. Method	200.7	0.008 mg/L	\$ 8.00	\$
77B	10	Vanadium (Solid)	6010C	0.50 mg/kg	\$ 10.00	\$
78	200	Zinc	200.8	0.002 mg/L	\$ 10.00	\$
78A	20	Zinc Alt. Method	200.7	0.002 mg/L	\$ 8.00	\$
78B	10	Zinc (Solid)	6010C	0.10 mg/kg	\$ 10.00	\$
79	200	Metals Prep Cost			\$ 15.00 /sample	\$
79A	10	Metals Prep Cost (Solid)			\$ 15.00 /sample	\$
80	20	Gross Alpha			\$	\$
81	20	Gross Beta			\$	\$
82	20	Ra-226			\$	\$
83	20	Ra-228			\$	\$
84	20	Total Uranium			\$	\$
85	20	Sr-89			\$	\$
86	20	Sr-90			\$	\$
87	20	Tritium (H3)			\$	\$
88	20	Gamma (Cs-137)			\$	\$
89	20	Radon			\$	\$

Toxicity Testing - Freshwater Organisms**Acute:**

90	25	Ceriodaphnia			\$ 275.00	\$
91	10	Daphnia Pulex / D. magna			\$	\$
92	25	Pimephales promelas			\$ 275.00	\$
Chronic:						
93	25	Ceroidaphnia			\$ 800.00	\$
94	25	Pimephales promelas (Survival & Growth)			\$ 800.00	\$

95	200	Analysis of entire "Phase I Parameters" for landfills See Appendix B for list.			\$ 400.00	\$
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96	10	Professional staff representation of data in legal/administrative setting per hour			\$ 100.00	\$
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Collection of samples - costs associated with sample pickup form the following locations:

97	24	Charleston Office, 601 57th St., SE, Charleston, WV 25304			\$ 100.00	\$
98	24	Teays Office, P.O. Box 662, Teays, WV 25596			\$ 100.00	\$
99	24	Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554			\$ 25.00	\$
100	24	Romney Office, HC 63, Box 2545, Romney, WV 26757			\$ 75.00	\$
101	24	French Creek Office, P.O. Box 38, French Creek, WV 26218			\$ 50.00	\$
102	24	Wheeling Office, 131A Peninsula St., Wheeling, WV 26003			\$ 75.00	\$
103	24	Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010			\$ 75.00	\$
104	24	Oak Hill Office, 116 Industrial Dr., Oak Hill, WV 25901			\$ 100.00	\$

REVISED PER ADDM# 5

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method' Dection Level*	UNIT PRICE	AMOUNT
105	24	Logan Office, 1101 George Kostas Dr. Logan, 25601			\$ 100.00	\$
106	24	Welch Office, 311 Court St. Welch 24801			\$ 100.00	\$
107	5000	Other locations as Cost Per Mile to pickup site			\$ 0.50	\$
108	10	24 Hour Turn-Around Rush Orders**		Analytical Cost	\$ 2.00	\$
109	10	48 Hour Turn-Around Rush Orders**		Analytical Cost	\$ 1.75	\$
110	10	72 Hour Turn Around Rush Orders**		Analytical Cost	\$ 1.50	\$
		TOTAL				\$

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.

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.

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.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: William Kirk

Signed: 

Date: 08/17/2010

Title: Director

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

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 exceeds 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

Vendor's Name: Reliance Laboratories, Inc.

Authorized Signature: [Signature] Date: 08/17/2010

State of West Virginia

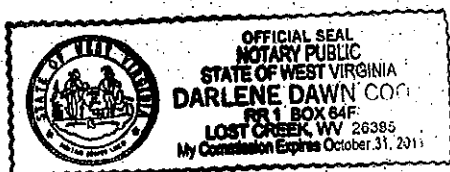
County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 17 day of August, 2010

My Commission expires October 31, 2011, 2011.

AFFIX SEAL HERE

NOTARY PUBLIC Darlene D. Cook



Appendix A - Method

Item No.	Parameter	Associated MDL*	Method #	Alt Method #	Alt MDL
1	pH	N/A	SM4500 H+B	9045	N/A
2	Hot Acidity	5 mg/L	2310B		
3	Alkalinity	5 mg/L	2320B		
4	Hardness	1 mg/L	2340C		
5	Specific Conductance	3 μ S/cm ²	120.1		
6	Sulfate	5 mg/L	D516-02	300.0	0.05
7	Sulfide	1 mg/L	4500 S-F	9030	1.0
8	Turbidity	1 NTU (higher OK if highly turbid)	180.1		
9	Bromide	1 mg/L	300.0		
10	Chloride	5 mg/L	4500 CLB	300.0	0.15
11	Fluoride	0.2 mg/L	300.0		
12	Fecal Coliform (MF)	4 col/100 ml	9222D		
13	Fecal Coliform (MPN)	4 col/100 ml	9223B		
14	Total Solids	1 mg/L	2540B		
15	Dissolved Solids (TDS)	1 mg/L	2540C		
16	Suspended Solids (TSS)	3 mg/L	2540D		
17	Settleable Solids	0.5 mg/L	2540F		
18	Volatile Solids	1 mg/L	160.4		
19	Percent Solids	1%	2540G		
20	Kjeldahl Nitrogen	0.6 mg/L	4500NorgB		
20A	Kjeldahl Nitrogen (alt. method)	0.1 mg/L			
21	Ammonia Nitrogen	0.1 mg/L	D6919-03	4500N H3C	0.10
22	Organic Nitrogen	0.5 mg/L	4500NorgB		
23	Nitrate-Nitrogen	0.05 mg/L	300.0		
24	Nitrite-Nitrogen	0.05 mg/L	300.0		
25	Nitrite-Nitrate	0.05 mg/L	300.0		
25A	Nitrite-Nitrate (alt method)	0.01 mg/L			
26	Total Phosphorus	0.02 mg/L	4500 P-E		
26A	Total Phosphorus (alt. method)	0.005 mg/L			
27	Orthophosphate	0.01 mg/L	300.0		
28	Total Phosphate	0.01 mg/L	4500 P-E		

Appendix A - Method (Continued)

Item No.	Parameter	Associated MDL	Method #	Alt Method #	Alt MDL
29	BOD	1 mg/L	5210B		
30	BOD-carbonaceous	1 mg/L	5210B		
31	COD	0.5 mg/L	410,4		
32	TOC	1 mg/L	5310C		
33	MBAS	0.05 mg/L	5540C		
34	Phenolics	0.01 mg/L	420.1		
35	Total Cyanide	0.005 mg/L	4500 CNF	4500CND	
36	Hexavalent Chromium	0.005 mg/L	3500 CrD		
37	Oil-Grease	0.1 mg/L	1664A		
38	Chlorophyll A (Standard Methods)	0.5 mg/L			
39	Color (APHA)	5 color units	2120B		
40	Color (ADMI)	10 ADMI value			
41	Cyanide, Amenable (40 CSR 136)	0.005 mg/L	4500 CNI		
42	Cyanide, Free (ASTM)	0.01 mg/L	4500 CNF		
43	Mineral Acidity (Standard Methods)	1 mg/L	2310B		
44	Total Acidity (Standard Methods)	1 mg/L	2310B		
45	Tot Petroleum Hydrocarbons GRO/DRO (WVTPH/8015B)	0.5 mg/L	8015		
46	Fecal Streptococci (Standard Methods)	4 col/100 mL			
47	Escherichia Coli (Numeric Result)	1 col/100 mL	9223B		
48	Bicarbonate (Standard Methods)	1 mg/L	2320B		
49	Ferrous Iron(Standard Methods)	0.05 mg/L	200.7		
50	Unionized Ammonia (46 CSR 1)	0.1 mg/L	D6919-03		
51	Dissolved Organic Carbon (Standard Methods)	1 mg/L	5310C		
52	Particulate Organic Carbon (Standard Methods)	1 mg/L	5310C		

Appendix A - Method (Continued)

Metals (Dissolved or Total) (dissolved metals will be field filtered)

Item No.	Parameter	Associated MDL (mg/L)	Method #	Alt Method #	Alt MDL
53	Aluminum	0.005	200.8	200.7	0.009
54	Antimony	0.005	200.8	200.7	0.015
55	Arsenic	0.005	200.8	200.7	0.007
56	Barium	0.005	200.7	200.8	0.0015
57	Beryllium	0.001	200.8	200.7	0.003
58	Boron	0.02	200.7	200.8	0.003
59	Cadmium	0.0002	200.8	200.7	0.002
60	Calcium	0.02	200.7	200.8	0.01
61	Chromium	0.001	200.8	200.7	0.006
62	Cobalt	0.001	200.8	200.7	0.007
63	Copper	0.001	200.8	200.7	0.005
64	Iron	0.01	200.7	200.8	0.005
65	Lead	0.001	200.8	200.7	0.005
66	Magnesium	0.05	200.7	200.8	0.01
67	Manganese	0.005	200.8	200.7	0.007
68	Mercury	0.5 (ng/L)		Method 1631-E	
68A	Mercury (alt. method)	0.0001	245.1		0.0001
69	Molybdenum	0.005	200.8	200.7	0.01
70	Nickel	0.005	200.8	200.7	0.006
71	Potassium	0.05	200.7	200.8	0.01
72	Selenium	0.001	200.8	200.7	0.004
73	Silver	0.0002	200.8	200.7	0.002
74	Sodium	0.05	200.7	200.8	0.01
75	Thallium	0.001	200.8	200.7	0.01
76	Tin	0.02	200.7	200.8	0.01
77	Vanadium	0.005	200.8	200.7	0.008
78	Zinc	0.002	200.8	200.7	0.002

Appendix A - Method (Continued)

Radiochemistry

Item No.	Parameter	Associated MDL	Method #	Alt Method #	Alt MDL
80	Gross Alpha				
81	Gross Beta				
82	Ra - 226				
83	Ra -228				
84	Total Uranium				
85	Sr-89				
86	Sr-90				
87	Tritium (H3)				
88	Gamma (Cs-137)				
89	Radon				

Toxicity Testing - Freshwater organisms

Item No.	Test	Est. #	Method #
	Acute:		
90	Ceriodaphnia	25	2002.0
91	Daphnia Pulex / D. magna	10	2021.0
92	Pimephales promelas	25	2000.0
	Chronic:		
93	Ceriodaphnia	25	1002.0
94	Pimephales promelas (Survival & growth)	25	1000.0
95	Pimephales promelas (Survival & teratogenicity)	25	1001.0

Attachment I

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

Annual Certified Parameter List

for

RELIANCE LABORATORIES - BRIDGEPORT
BRIDGEPORT, WEST VIRGINIA

PARAMETERS CERTIFIED

Acidity	SM19th2310 B	Titrimetric
Alkalinity	SM19th2320 B	Titrimetric
Ammonia	SM19th4500-NH3 C	Titrimetric
Ammonia	ASTM D6919-03	IC
Bromide	EPA300.0 Rev. 2.1	IC
Chloride	EPA300.0 Rev. 2.1	IC
Chloride	SM19th4500-Cl B	Titrimetric
Chlorine, Residual	SM19th4500-Cl G	Spectrophotometric
Chlorine, Residual (Field Test)	SM19th4500-Cl G	Spectrophotometric
Color	SM19th2120 B	Visual Comparison
Conductance, Specific	EPA120.1	Probe
Cyanide, Total	SM19th 4500-CN D	Titrimetric
Cyanide, Amenable to Chlorination	SM19th4500-CN F	ISE
Demand, Biochemical Oxygen (BOD)	SM19th5210 B	Probe
Demand, Chemical Oxygen (COD)	EPA410.4 Rev. 2.0	Spectrophotometric
Fluoride	EPA300.0 Rev. 2.1	IC
Hardness, Total	SM19th2340 C	Titrimetric
Kjeldahl, Total Nitrogen	SM19th4500-NH3 C	Titrimetric
Nitrate	EPA300.0 Rev. 2.1	IC
Nitrite	EPA300.0 Rev. 2.1	IC
Oil & Grease	EPA1664 A	Gravimetric
Organic Carbon, Total	SM19th5310 C	Oxidation
Phenolics, Total	EPA420.1 Rev 1978	Manual Spectrophotometric
Phosphorus, Total	SM19th4500 P E	Manual Spectrophotometric
Phosphorus, ortho	EPA300.0 Rev. 2.1	IC
Solids, Dissolved	SM19th2540 C	Gravimetric
Solids, Settleable	SM19th2540 F	Imhoff
Solids, Suspended	SM19th2540 D	Gravimetric
Solids, Total	SM19th2540 B	Gravimetric
Solids, Volatile	EPA160.4	Gravimetric

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Sulfate	ASTMD516-02	Turbidimetric
Sulfate	EPA300.0 Rev. 2.1	IC
Sulfide	SM19th4500-S F	Titrimetric
Surfactants (MBAS)	SM19th5540 C	Spectrophotometric
Temperature	SM19th2550 B	
Turbidity	EPA180.1	Turbidimetric
Oxygen, Dissolved (Field Test)	SM19th4500-O G	Probe
pH	SM19th4500-H B	Probe
pH(Field Test)	SM19th4500-H B	Probe
Ammonia	SM190th4500-NH3 B	Distillation
Cyanide	SM19th4500-CN C	Distillation
Cyanide	SW9010	Distillation
Fluoride	SM19th4500-F B	Distillation
Phosphorus, Total	SM19th4500-P B.5	Digestion
Total Kjeldahl Nitrogen	SM19th4500-Norg B	Digestion
Total Kjeldahl Nitrogen	SM19th4500-NH3 B	Distillation

NONPOTABLE WATER TRACE METALS

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
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
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
Nickel	EPA200.7 Rev 4.4-1994	ICP
Potassium	EPA200.7 Rev 4.4-1994	ICP
Selenium	EPA200.7 Rev 4.4-1994	ICP
Silver	EPA200.7 Rev 4.4-1994	ICP
Sodium	EPA200.7 Rev 4.4-1994	ICP
Thallium	EPA200.7 Rev 4.4-1994	ICP
Tin	EPA200.7 Rev 4.4-1994	ICP
Vanadium	EPA200.7 Rev 4.4-1994	ICP
Zinc	EPA200.7 Rev 4.4-1994	ICP

METALMETHODTECHNOLOGY

Aluminum	EPA200.8 Rev 5.4-1994	ICP
Antimony	EPA200.8 Rev 5.4-1994	ICP
Arsenic	EPA200.8 Rev 5.4-1994	ICP
Barium	EPA200.8 Rev 5.4-1994	ICP
Beryllium	EPA200.8 Rev 5.4-1994	ICP
Boron	EPA200.8 Rev 5.4-1994	ICP
Cadmium	EPA200.8 Rev 5.4-1994	ICP
Calcium	EPA200.8 Rev 5.4-1994	ICP
Chromium	EPA200.8 Rev 5.4-1994	ICP
Cobalt	EPA200.8 Rev 5.4-1994	ICP
Copper	EPA200.8 Rev 5.4-1994	ICP
Iron	EPA200.8 Rev 5.4-1994	ICP
Lead	EPA200.8 Rev 5.4-1994	ICP
Magnesium	EPA200.8 Rev 5.4-1994	ICP
Manganese	EPA200.8 Rev 5.4-1994	ICP
Mercury	EPA200.8 Rev 5.4-1994	ICP
Molybdenum	EPA200.8 Rev 5.4-1994	ICP
Nickel	EPA200.8 Rev 5.4-1994	ICP
Potassium	EPA200.8 Rev 5.4-1994	ICP
Selenium	EPA200.8 Rev 5.4-1994	ICP
Silver	EPA200.8 Rev 5.4-1994	ICP
Sodium	EPA200.8 Rev 5.4-1994	ICP
Strontium	EPA200.8 Rev 5.4-1994	ICP
Thallium	EPA200.8 Rev 5.4-1994	ICP
Tin	EPA200.8 Rev 5.4-1994	ICP
Titanium	EPA200.8 Rev 5.4-1994	ICP
Vanadium	EPA200.8 Rev 5.4-1994	ICP
Zinc	EPA200.8 Rev 5.4-1994	ICP
Mercury	EPA245.1	CVAA
Chromium, Hexavalent	SM19th3500-Cr D	Colorimetric
Total Recoverable Metals	EPA200.7 Rev 4.4-1994	Digestion
Total Metals	EPA200.7 Rev 4.4-1994	Digestion
Dissolved Metals	EPA200.7 Rev 4.4-1994	
Total Recoverable Metals	EPA200.8 Rev 5.4-1994	Digestion
Total Metals	EPA200.8 Rev 5.4-1994	Digestion
Dissolved Metals	EPA200.8 Rev 5.4-1994	

NONPOTABLE WATER VOLATILE ORGANIC CHEMICALSGROUPMETHODTECHNOLOGY

Total Petroleum Hydrocarbons (GRO)	SW8015B	GC/FID
Halogenates & Aromatics	SW8021B	GC/PID/HECD
BTEX	SW8021B	GC/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

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Total Petroleum Hydrocarbons (DRO)	SW8015B	GC/FID
Solid Phase	SW3535A	Extraction

NONPOTABLE WATER MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Fecal Coliform	SM19th9222 D	Membrane Filter
Heterotrophic Plate Count	SM19th9215 B	Pour Plate

HAZARDOUS WASTE CHARACTERISTICS

<u>PROCEDURE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Corrosivity	SW9040 C	Probe
Ignitability	SW1010A	Closed Cup
Reactive Cyanide	Run Total Cyanide by SW9010/9014	
Reactive Sulfide	Run Total Sulfide by SW9030B/9034	
Paint Filter Test	SW9095B	Gravimetric
TCLP (Metals and Organics)	SW1311	Rotating Extractor

SOLID AND CHEMICAL INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
pH	SW9045D	Probe
Ammonia	SM19th4500-NH3 C	Titrimetric
Kjeldahl, Total Nitrogen	SM19th4500-NH3 C	Titrimetric
Phosphorus, Total	SM20th4500-P E	Manual Spectrophotometric
Solids, Total	SM19th2540.B	Gravimetric
Ammonia	SM19th4500-NH3 B (M)*	Distillation
Cyanide, Total	SW9013	Distillation
Cyanide, Total	SW9010	Distillation
Total Kjeldahl Nitrogen	SM19th4500Norg B	Digestion
Total Kjeldahl Nitrogen	SM19th4500-NH3 B	Distillation
Phosphorus, Total	SM19th4500-P B.5 (M)*	Digestion

*Modified for analysis of solid and chemical matrices.

SOLID AND CHEMICAL TRACE METALS

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
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
Iron	SW6010C	ICP
Lead	SW6010C	ICP
Magnesium	SW6010C	ICP
Manganese	SW6010C	ICP
Molybdenum	SW6010C	ICP
Nickel	SW6010C	ICP
Potassium	SW6010C	ICP
Selenium	SW6010C	ICP
Silver	SW6010C	ICP
Sodium	SW6010C	ICP
Vanadium	SW6010C	ICP
Zinc	SW6010C	ICP
Mercury	SW7471A	CVAA
Metals	SW3050B	Digestion

SOLID AND CHEMICAL MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Fecal Coliform	SM19th9222.D	Membrane Filter

SOLID AND CHEMICAL VOLATILE ORGANIC CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Total Petroleum Hydrocarbons (GRO)	SW8015B	GC/FID
Halogenates & Aromatics	SW8021B	GC/PID/HECD
Volatile Organics in Soil	SW5035	Purge and Trap

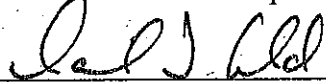
SOLID AND CHEMICAL EXTRACTABLE AND SEMI-VOLATILE ORGANIC
CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Total Petroleum Hydrocarbons (DRO) Ultrasonic Extraction	SW8015B SW3550 C	GC/FID

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.

This Certification Expires April 30, 2011.

Certificate No 158



Issued on August 02, 2010

Daniel T. Arnold
Program Manager

Attachment I

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

Annual Certified Parameter List

for

RELIANCE LABORATORIES - MARTINSBURG
MARTINSBURG, WEST VIRGINIA

PARAMETERS CERTIFIED

LIMITED CHEMISTRY: Sulfate(ASTM D516-90,02), Specific Conductance(EPA120.1 Rev-1982), Oil & Grease(EPA1664 A), Turbidity(EPA180.1 Rev 2.0-1993), Acidity, Hot, Total(SM19th2310 B(4a)), Alkalinity(SM19th2320 B), Hardness, Total(SM19th2340 C), Temperature(SM19th2550 B), Chlorine, Residual(SM19th4500-CI G), Chloride(SM19th4500-CI-B), pH(SM19th4500-H B), Oxygen, Dissolved(SM19th4500-O G), Phosphorus, Total(SM19th4500-P B.5 + SM19th4500-P E)

Demand: Oxygen, Chemical, (COD)(EPA410.4 Rev 2.0-1993), Oxygen, Biochemical, (BOD)(SM19th5210 B)

Nitrogen: Ammonia(SM19th4500NH3 B + SM19th4500NH3 C), Nitrite(SM19th4500NO2 B), Nitrate(SM19th4500NO3 D), Kjeldahl, Total, (TKN)(SM19th4500Norg B + SM19th4500NH3 C)

Solids: Total(SM19th2540 B), Dissolved(SM19th2540 C), Suspended(SM19th2540 D), Settleable(SM19th2540 F)

IC

EPA300.0 Rev 2.1-1993 - Chloride, Fluoride, Nitrate, Nitrate-Nitrite, Nitrite, Sulfate

METALS

Miscellaneous: Chromium, Hexavalent(SM19th3500-Cr D)

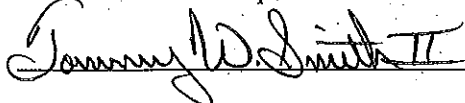
MICROBIOLOGY

MF: Coliform, Fecal(SM19th9222 D).

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.

This Certification Expires November 30, 2010.

Certificate No 181



Issued on December 10, 2009

Tommy W. Smith II
Quality Assurance Officer



*West Virginia Department of Health and Human Resources
Bureau For Public Health
Office of Laboratory Services*

CERTIFIED PARAMETER LIST AND CURRENT STATUS

**Reliance Laboratories, Inc.
10 Benedum Airport Industrial Park
Bridgeport, WV 26330**

Certificate: **00354 CM**
Issue Date: **1/1/2010**
Expiration Date: **12/31/2010**

<i>Group: Microbiology</i>			
	Method	Status	Description
E. coli (Count)	SM9223B-MPN	Certified	Colifert MPN
Total Coliforms	SM9223B	Certified	Readicult Coli 100
Fecal Coliforms/E. Coli	SM9223B	Certified	Readicult Coli 100
Heterotrophic Bacteria	SM9215B	Certified	HPC - Pour Plate Method
<i>Group: Trace Metals</i>			
	Method	Status	Description
Antimony	200.8 R 5.4	Certified	
Arsenic	200.8 R 5.4	Certified	
Barium	200.8 R 5.4	Certified	
Beryllium	200.8 R 5.4	Certified	
Cadmium	200.8 R 5.4	Certified	
Chromium	200.8 R 5.4	Certified	
Copper	200.8 R 5.4	Certified	
Lead	200.8 R 5.4	Certified	
Mercury	200.8 R 5.4	Certified	
Selenium	200.8 R 5.4	Certified	
Thallium	200.8 R 5.4	Certified	
<i>Group: Inorganics</i>			
	Method	Status	Description
Cyanide	SM4500CN-F	Certified	
Fluoride	300.0 R 2.1	Certified	
Nitrate-N	300.0 R 2.1	Certified	
Nitrite-N	300.0 R 2.1	Certified	
<i>Group: Organics, Haloacetic Acids (HAA5)</i>			
	Method	Status	Description
Bromoacetic Acid	552.3 R 1.0	Certified	
Chloroacetic Acid	552.3 R 1.0	Certified	
Dibromoacetic Acid	552.3 R 1.0	Certified	
Dichloroacetic Acid	552.3 R 1.0	Certified	
Trichloroacetic Acid	552.3 R 1.0	Certified	

This is to certify that the laboratory has been approved to perform the indicated procedures on drinking water in accordance with West Virginia 64CSR 3-13:



*West Virginia Department of Health and Human Resources
Bureau For Public Health
Office of Laboratory Services*

CERTIFIED PARAMETER LIST AND CURRENT STATUS

**Reliance Laboratories, Inc.
10 Benedum Airport Industrial Park
Bridgeport, WV 26330**

Certificate: **00354 CM**
Issue Date: **1/1/2010**
Expiration Date: **12/31/2010**

Group: Organics, Trihalomethanes

Method	Status	Description
524.2 R 4.1	Certified	Bromoform
524.2 R 4.1	Certified	Bromodichloromethane
524.2 R 4.1	Certified	Chloroform
524.2 R 4.1	Certified	Chlorodibromomethane

Group: Organics, Volatile Organic Chemicals

Method	Status	Description
524.2 R 4.1	Certified	1,1,1-Trichloroethane
524.2 R 4.1	Certified	1,1,2-Trichloroethane
524.2 R 4.1	Certified	1,1-Dichloroethylene
524.2 R 4.1	Certified	1,2,4-Trichlorobenzene
524.2 R 4.1	Certified	1,2-Dichlorobenzene
524.2 R 4.1	Certified	1,2-Dichloroethane
524.2 R 4.1	Certified	1,2-Dichloropropane
524.2 R 4.1	Certified	1,4-Dichlorobenzene
524.2 R 4.1	Certified	Benzene
524.2 R 4.1	Certified	Carbon Tetrachloride
524.2 R 4.1	Certified	Chlorobenzene
524.2 R 4.1	Certified	cis-1,2-Dichloroethylene
524.2 R 4.1	Certified	Dichloromethane
524.2 R 4.1	Certified	Ethylbenzene
524.2 R 4.1	Certified	Styrene
524.2 R 4.1	Certified	Tetrachloroethylene
524.2 R 4.1	Certified	Toluene
524.2 R 4.1	Certified	trans-1,2-Dichloroethylene
524.2 R 4.1	Certified	Trichloroethylene
524.2 R 4.1	Certified	Vinyl Chloride
524.2 R 4.1	Certified	Xylenes (Total)

This is to certify that the laboratory has been approved to perform the indicated procedures on drinking water in accordance with West Virginia 64CSR 3-13.



*West Virginia Department of Health and Human Resources
Bureau For Public Health
Office of Laboratory Services*

CERTIFIED PARAMETER LIST AND CURRENT STATUS

**Reliance Laboratories, Inc.
25 Crimson Circle
Martinsburg, WV 25401**

Certificate: **00443 M**
Issue Date: **1/1/2010**
Expiration Date: **12/31/2010**

Group: Microbiology

	Method	Status	Description
Total Coliforms	SM9223B	Certified	Readicult Coll 100
Fecal Coliforms/E. Coll	SM9223B	Certified	Readicult Coll 100

*This is to certify that the laboratory has been approved to perform the indicated procedures on drinking water in accordance with
West Virginia 64CSR 3-13:*

MARYLAND DEPARTMENT OF THE ENVIRONMENT
MDE 1800 Washington Boulevard • Baltimore MD 21230
410-537-3000 • 1-800-633-6101

Martin O'Malley
Governor

Shari T. Wilson
Secretary

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Deputy Secretary

SDWA ANNUAL CERTIFIED PARAMETER LIST

Reliance Laboratories, Inc. - Bridgeport
P.O. Box 4657, Benedum Industrial Park Road
Bridgeport, WV 26330-4657

William Kirk
Certificate # 337
EPA ID # WV00042

ANALYTE	METHOD	STATUS
1,1,1-Trichloroethane	EPA 524.2	Certified
1,1,2-Trichloroethane	EPA 524.2	Certified
1,1-Dichloroethylene	EPA 524.2	Certified
1,2,4-Trichlorobenzene	EPA 524.2	Certified
1,2-Dichlorobenzene	EPA 524.2	Certified
1,2-Dichloroethane	EPA 524.2	Certified
1,2-Dichloropropane	EPA 524.2	Certified
1,4-Dichlorobenzene	EPA 524.2	Certified
Antimony	EPA 200.8	Certified
Arsenic	EPA 200.8	Certified
Barium	EPA 200.8	Certified
Benzene	EPA 524.2	Certified
Beryllium	EPA 200.8	Certified
Bromodichloromethane	EPA 524.2	Certified
Bromoform	EPA 524.2	Certified
Cadmium	EPA 200.8	Certified
Carbon Tetrachloride	EPA 524.2	Certified
Chlorobenzene	EPA 524.2	Certified
Chlorodibromomethane	EPA 524.2	Certified
Chloroform	EPA 524.2	Certified
Chromium	EPA 200.8	Certified
cis-1,2-Dichloroethene	EPA 524.2	Certified
Cyanide	SM 4500CN-F	Certified
Copper	EPA 200.8	Certified
Dibromoacetic Acid	EPA 552.3	Certified



MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Martin O'Malley
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Lieutenant Governor

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Deputy Secretary

SDWA ANNUAL CERTIFIED PARAMETER LIST

Reliance Laboratories, Inc. - Bridgeport
P.O. Box 4657, Benedum Industrial Park Road
Bridgeport, WV 26330-4657

William Kirk
Certificate # 337
EPA ID # WV00042

ANALYTE	METHOD	STATUS
Dichloroacetic Acid	EPA 552.3	Certified
Dichloromethane	EPA 524.2	Certified
E. coli (Enumeration)	SM 9223	Certified
E. coli	Readycult	Certified
Ethylbenzene	EPA 524.2	Certified
Fluoride	EPA 300.0	Certified
Heterotrophic Plate Count	SM 9215 B	Certified
Lead	EPA 200.8	Certified
Mercury	EPA 200.8	Certified
Monobromoacetic Acid	EPA 552.3	Certified
Monochloroacetic Acid	EPA 552.3	Certified
Nitrate	EPA 300.0	Certified
Nitrite	EPA 300.0	Certified
Selenium	EPA 200.8	Certified
Styrene	EPA 524.2	Certified
Tetrachloroethylene	EPA 524.2	Certified
Thallium	EPA 200.8	Certified
Toluene	EPA 524.2	Certified
Total Coliforms	Readycult	Certified
Total Trihalomethanes	EPA 524.2	Certified
trans-1,2-Dichloroethene	EPA 524.2	Certified
Trichloroacetic Acid	EPA 552.3	Certified
Trichloroethylene	EPA 524.2	Certified
Vinyl Chloride	EPA 524.2	Certified
(total) Xylenes	EPA 524.2	Certified



MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Deputy Secretary

SDWA ANNUAL CERTIFIED PARAMETER LIST

Reliance Laboratories, Inc. - Martinsburg
25 Crimson Circle
Martinsburg, WV 25403

William Kirk
Certificate # 336
EPA ID # WV00901

ANALYTE	METHOD	STATUS
E. coli	SM 9223	Certified
Total Coliforms	SM 9223	Certified



Amanda Seitz

150 Harrison St., Clarksburg, WV 26301

Home Phone (609) 290-1276

QUALIFICATIONS: My qualifications span a variety of aspects from providing educational outreach to analytical testing in a laboratory. I have worked along side West Virginia DEP personnel on stream remediation projects and gathered information to be used in a 319-grant proposal that I helped write.

EDUCATION

1995-1999 Southern Regional High School, Manahawkin, NJ. Honor Society, Varsity Softball.
1999-2003 Salem International University, Salem, West Virginia, BS, Environmental Science, Honors, Sports.

EMPLOYMENT

- 2006-2007 **Laboratory Technician – Sturm Environmental Services, Bridgeport, West Virginia**
As evening biologist, specialize in the identification of benthic macroinvertebrates to the level of family and genus. Also perform bacteriological testing of water samples and quality assurance procedures in accordance with EPA requirements, follow lab procedures in use of autoclave, microscope, ph and conductivity meters. Analysis of water samples include: BOD; fecal and total coliform; E. coli; bioassay; dissolved oxygen; TKN; NH₃N; alkalinity, mineral acidity, total hot and cold acidity; settleable solids; heavy metals concentration; ferrous iron tests; hydrogen sulfide tests. Experience in running the Varian AA240z and SpectrAA220z furnace machines and Fisher Scientific Titrator and Sulfur Analyzer in soils department. In soils department, analysis also includes: color/ paste ph, fizz test, sulfur forms, soluble salts, double acid nutrients, bicarbonate phosphorous, neutralizing potential (NP) and modified H₂O₂ NP. Training in the process of core breakdown for testing samples. Record keeping and data reporting.
- 2003-2003 **US Depart of Interior, OSM Internship, - Guardians of the West Fork Watershed, Salem International University, Salem, West Virginia**
Performed duties of monitoring and sampling streams in the watershed for detection of Acid Mine Drainage and other sources of water quality degradation (WVSOS Level III protocols). Responsibilities included: identification of benthic macro-invertebrates, use of topographic maps, GPS unit, pH, conductivity, flow and dissolved oxygen meters; calculate flow and load values; gather samples for heavy metal concentration analysis; watershed delineation. Also educational outreach to schools, grant research, assist Dept. of Environmental Protection employees in regular field tasks and work on a stream remediation project using a series of wetlands.
- 2002-2002 **Volunteer Intern – Alliance for a Living Ocean, Beach Haven, New Jersey**
As Program Coordinator for Inlet Lore gave presentations to groups at Barnegat Lighthouse State Park discussing topics encompassing water quality, background of the lighthouse and Long Beach Island, “look bucket” for numerous sea creatures. Discussed aspects of water quality, water safety, water testing (hydrometer, pH meter, dissolved oxygen, nitrate kit, sechi disk, rain gauge).
As Assistant Program coordinator for Twilight at the Bay, discussed a different water issue each week at public presentation and gather volunteers to assist in programs.
- 2003-present **Shift Leader / Manager-in-Training, Ruby Tuesday Inc., Clarksburg, WV**
Improve productivity by training, motivating, and delegating daily tasks to qualified team members. Count, record, and reconcile inventory. Handle company funds and proper accounting of company assets. Code and ledger invoices to be entered into the computer. Conduct shift transitions, cleanliness, safety and sanitation checks to ensure proper procedures are followed. Responsible for the overall productivity level within the restaurant through developing each team member's competence and confidence, diagnosing performance problems, correcting unsatisfactory performance, fostering productive working relationships, and provide guidance. Also selected to train staff in opening new stores.
- 2000-2003 Lifeguard, Salem International University, Salem, West Virginia
1996-2002 Lifeguard, Long Beach Township Beach Patrol, Brant Beach, NJ

OTHER PERTINENT TRAINING AND EDUCATION EXPERIENCE:

Certificate of Training from US Dept. of Labor Mine Safety and Health Administration for inexperienced miners for surface /coal/metal operations which included CPR training.

Received certificate from The Watershed Academy Web-Based Training Program (hosted by the EPA) for completion of fifteen internet-based training modules on the fundamentals of watershed management.

West Virginia Save Our Stream Certificate through the WV Dept. of Environmental Protection for completion of stream monitoring training.

Knowledgeable in computer programs such as Microsoft Word, Excel, and Power Point.

Certifications in CPR, First Aid, Emergency Responder, Oxygen Administration, and Automated External Defibrillation (AED).

REFERENCES:

Kristy Davis
79 E. High St. Apt A
Salem, WV 26426
304-782-3480

Crystal Clark, Manager Ruby Tuesday
Rt.1 Box 328
Salem, WV 26426
304-782-4175

Pat Brougham, Professor of Criminal Justice
116 Ridenour St.
Clarksburg, WV 26301
304-641-9389

Lou Schmidt, DEP, Mon Basin Coordinator
Clarksburg, WV 26301
304-783-4836

Alys Carey Piske

321 Pinnickinnick Street, Clarksburg, West Virginia, 26301

Home: 304-626-3067 Cell: 304-613-9829

piskeac@ab.edu piskeac@gmail.com

• Objective

- Accomplished, achievement-driven and results-oriented chemist/ biologist seeks employment as a Laboratory Technician at Reliance Laboratories Inc.

• Qualifications

- Superb laboratory skills: have taken upper-level Chemistry courses and conducted in biomedical research and teaching assistant duties
- Excellent computer skills: have taken courses in Computer Science and managing Pharmacy software
- Youthful and yet very mature; willing to learn and grow; passionate about achieving a challenging position that allows meaningful contributions to the health of others
- Persistent and driven: maintained a high GPA, while holding two part-time jobs
- Dynamic personality and satisfactory in speaking Spanish
- Outstanding leadership, interpersonal, planning and communication abilities; great customer service and sales skills.

• Education

- Alderson-Broaddus College, 101 College Hill Drive, Philippi, WV (304) 457-1700
 - Bachelor of Science, Chemistry, Cum Laude *May 2010*
 - Bachelor of Science, Biology *Expected August 2010*

• Awards and Achievements

- Overall Academic Grade Point Average: 3.5 on a 4.0 Scale
- Graduated with Cum Laude Honors
- Received Natural Science Writing Award
- Deans List: Fall 2007, Fall 2008, Spring 2009, Fall 2009
- Alderson-Broaddus Academic Excellence Scholarship
- Emma Alderson Scholarship
- Anonymous Endowed Scholarship

• Extracurricular

- Louis A. Johnson VA Medical Center Volunteer *(June 2009-Present)*
- Student Government Association, Senior Senator *(August 2009-Present)*
- Alderson-Broaddus College Mission Team Member *(August 2009-Present)*
- Students Actively Involved in Leadership Member *(August 2009-Present)*
- American Cancer Society Relay for Life, Team Captain *(2005-2009)*

- **Professional Licenses and Certifications**

- Nationally Certified Pharmacy Technician
 - -PTCB Certified: Issued June 2008, Expires July 2010
- West Virginia State Licensed Pharmacy Technician
 - West Virginia Board of Pharmacy Certified: Issued July 2008, Expires July 2010

- **Work Experience**

- Nationally Certified Pharmacy Technician, Kroger Company, Buckhannon, WV
 - *(June 2008-Current)*
- Alderson-Broadus College, Resident Assistant, Philippi, WV
 - *(August 2009-Current)*
- West Virginia IDeA Network of Biomedical Research Excellence Intern, Morgantown, WV
 - *(June 2009-July 2009)*
- Teaching Assistant for Chemistry Department, Alderson-Broadus College, Philippi, WV
 - *(August 2008-May 2009)*
- Pharmacy Trainee, Kroger Company, Buckhannon, WV
 - *(June 2005-Until licensure obtained June 2008)*

Misaki Coffman

1631 Hoffman Ave. Clarksburg, WV 26301

304-629-8776

misaki814@hotmail.com

SKILLS

Identifying stream macroinvertebrates, Spectrophotometer, Atomic absorption photometer, Gas chromatograph, Infrared spectrophotometer, Electronic microscope, Energy dispersive X-ray fluorescence spectrometer, Differential scanning calorimetry, Glove box

QUALIFICATIONS

- National qualification in Japan highest level of manager in charge of pollution control for water quality division

- West Virginia's driver's license B.S. ENVIRONMENTAL SCIENCE 2001

WORK EXPERIENCE

May 2005- April 2007 Exxonmobil's branch TONEN CHEMICAL NASU in Japan as a laboratory technician for lithium ion rechargeable batteries' separator

Jan. 2004- April 2005 NASU ENVIRONMENTAL TECHNOLOGY CENTER in Japan as a laboratory technician for water analysis

Oct. 2002- Dec.2003 TOKYO TECHNICAL COLLEGE in Japan as a teaching assistant for environmental technology class

May 2002- July2002 OFFICE OF SURFACE MINING in America as an intern for searching river around abandoned mining

EDUCATION

May 1999- May2001 SALEM INTERNATIONAL UNIVERSITY in America
Environmental science major

April 1997- March1999 TOKYO TECHNICAL COLLEGE in Japan
Environmental Technology major

ACTIVITIES IN THE UNIVERSITY

- Residence Assistant for dormitory
- Volunteer for the GUARDIANS OF THE WEST FORK WATERSHED
- A member of the soccer team
- A member of international cultural activity

HONORS and AWARDS

- MAGNA CUM LAUDE
- DEAN'S LIST
- Who's who among students in American universities and colleges
- All American scholars
- Randolph scholar

Reference

Bruce Edinger, Ph.D

Associate Professor of Biology

Office Phone:304-336-8064

212 Arnett Hall CSC BOX139 West Liberty State College West liberty, WV26074

bedinger@westliberty.edu

Crystal D. Parker

304 Stealey Ave.
Clarksburg, WV 26301
(304) 624-9512

Objective To obtain a laboratory technician position based on my educational and research experiences.

Education

August 1994 to May 1998 Fairmont State College Fairmont, WV
Bachelor of Science degree in Biology
GPA: 3.767

Experience

November 1999 to December 1999 Creative Candles Bridgeport, WV
Sales Associate

Sold hand-carved candles, ran cash register, stocked shelves, and straightened store area.

July 1998 to August 1998 CVS Pharmacy Moorefield, WV
Temporary reset associate

Greeted customers, backfilled planograms, received, and completed price changes.

February 1996 to May 1996 Fairmont State College Fairmont, WV
Student tutor

Tutored general biology courses.

January 1996 to June 1996 Jill Stalnaker Lumberport, WV
Student tutor

Tutored general science, social studies, and Algebra I in my home.

March 1994 to May 1994 Upward Bound of Salem-Teikyo University Salem, WV
Student tutor

Tutored general biology and English.

Honors

Dean's list six semesters

Beta Beta Beta Biological Honorary Society (secretary and president)

Kappa Kappa Psi Honorary Band Fraternity (member, 2 years)

Who's Who Among American Colleges and Universities (one of the top ten at Fairmont State College)

Graduated summa cum laude from Fairmont State College

Personal

Hardworking, dedicated person who enjoys playing the clarinet and spending time with family and friends. In college, I was a member of the band, the Costa Rican Association, and the West Virginia Academy of Science. I presented a poster entitled "Ecological Studies on Fairmont Streams" at the 1997 West Virginia Academy of Science meeting.

10:00 11/9/06

Christopher K. Shreves

125 Pennsylvania Ave.
Nutter Fort, WV 26301
Cell/Home:(304)-203-0715
iceman061@aol.com

Objective: An employment opportunity which would allow me to utilize my clinical skills and experience, leadership abilities, computer knowledge, and my background in Biology.

Education: May 2006
Bachelor of Science in Biology
West Virginia University, Morgantown, West Virginia

Courses taken include:

- Advanced Cellular Biology
- Comparative Anatomy
- Microbiology
- Medical Physics
- Animal Physiology
- Genetics
- Biochemistry

Other courses taken include:

- Analytical Chemistry
- Organic Chemistry I
- Organic Chemistry II
- NMR Structure and Determination

Work Experience:

- 1.) **Scientist in Research and Development**
 - **Wyeth Fort Dodge Animal Health**
 - January 5, 2009- August 28, 2009
 - **Responsibilities:**
 - Vaccine Development
 - Passaging and Harvesting of Virus and Cell Stocks
 - Data Recording and Evaluation
 - Conducted Clinical and Field studies

Research Related Experience:

- 5 years of experience in a biological lab setting while obtaining my Biology degree
- 2 years of experience in a chemistry lab setting while working on a Chemistry degree

Skills:

- Proficient in the use of MS Office, Windows XP, PowerPoint and the Internet.
- Proficient with equipment in the lab setting.

Activities and Awards:

- Youth Group Leader for Our Lady of Perpetual Help Church
- Nominated for National Dean's List

Tracey Hanshaw

Route 6 Box 157A
Fairmont, WV 26554
(304)-844-7458
(304)-366-6910
tlwbwb30@hotmail.com

OBJECTIVE

To obtain full-time employment which will allow me to utilize my educational background

PROFESSIONAL SKILLS

From the education and work experience I have obtained, I have become proficient in the following areas:

- A) being able to interact with a wide variety of personalities not only with customers, but also with my coworkers and management team.
- B) interacting with customers and utilizing organizational skills while handling numerous other tasks.
- C) being able to be trusted with large sums of money

COMPUTER SKILLS

Proficient in navigating personal computer programs such as Microsoft Windows, Microsoft Word and Works, and PowerPoint to create slide presentations.

Education

A) Fairmont Senior High School, 1 Loop Park, Fairmont, WV 26554 — 1995 to 1999

I graduated with a cumulative GPA of 3.74. I was enrolled in college preparatory classes that included but were not limited to geometry, trigonometry, pre-calculus, two years of general chemistry; two years of advanced placement English, and two years of a foreign language.

Awards and Honors

National Honor Society 1998– 1999

Who's Who Among American High School Students 1996– 1999

B) West Virginia University, Morgantown, WV 26506 — 1999– 2003

I obtained a Bachelor of Science Degree in Animal and Veterinary Science, which provided a strong background in agriculture and science. The science also included a number of different laboratory exercises that dealt with becoming familiar with different kinds of software to record data sets. I had to become proficient in the following areas that included but were not limited to:

Inorganic Chemistry

Organic Chemistry

Physics

General Biology

Agricultural biochemistry

Animal Physiology

I graduated with a cumulative GPA of 3.36 and I completed 128 semester hours.

TRAINING

1) LABORATORY WORK

In order to become proficient in the laboratory classes I had to learn clinical laboratory analysis as well as learn how to interpret the data that was being analyzed. I achieved this by using a number of laboratory tools including but not limited to:

High powered microscopes

Centrifuges

Scales

Gas chromatography machines

Computer software programs

The computers played a big role in the interpretation of the data. They measured everything from the heartbeat of a sheep injected with epinephrine to the torque and velocity of a moving object.

2) FIELD EXPERIENCE

In addition to the laboratory work, I also experienced hands-on learning. The best display of this would be my work with poultry. I learned about all the aspects of the poultry industry including rearing, reproduction and nutrition. I raised about fifteen broiler chickens from incubation to slaughter. During this time, I learned to mix their feed to obtain maximum growth and weight gain while also providing the best nutritional value for the bird.

AWARDS AND HONORS

Dean's List 2001 - 2003

President's List 2002 - 2003

C) Fairmont State University, Fairmont, WV 26554 — 2003

Attended classes to obtain a background in macro and microeconomics, as well as statistics.

EMPLOYMENT HISTORY

A) Hospitality Coordinator (Hostess), Bob Evans Farms, Whitehall, WV 26554 — 3/99 - 9/01

While employed as a hospitality coordinator the duties included but were not limited to:

Greeting customers when they arrived

Trusted to take large cash pulls from the register in the middle of a shift, while totaling and placing in the hands of a member of the management team

Trusted to balance a cash drawer at the end of a shift, this included cash, coin, credit card receipts, and gift certificates

B) Salesperson (Waitress), Bob Evans Farms, Whitehall, WV 26554 — 9/01 - present

Currently employed as a salesperson, the duties include but are not limited to:

Providing excellent customer service from the very beginning

Being able to organize activities in the most time efficient manner

Being able to complete one task while making time to help others

Handling many customers at one time while making sure each is completely satisfied

REFERENCES

PROFESSIONAL

A) Todd Fancher, General Manager, Bob Evans Farms, Whitehall, WV, (304) 366-9735

B) Robin Smith, Director of the United Way of Marion County, Fairmont, WV, (304) 366-4550

PERSONAL

C) Diane Tennant, Sales Rep, Verizon, Clarksburg, WV, (304) 363-6635

Tenley M. Miller

tmiller@wvdsi.net
RR 3 BOX 244-D1
Bridgeport, WV 26330

EXPERIENCE

Reliance Laboratories, Inc. Bridgeport, WV Lab Manager May 2005 to Present

- Development of Standard Operations Manual
- Development of Quality Control Manual
- Supervision of laboratory analysis and personnel
- Hiring and training laboratory personnel
- Assuring annual state certifications and performance evaluations
- Verification of raw data, calculations, and results
- Customer relations with new and existing clients

Reliance Laboratories, Inc. Martinsburg, WV Lab Supervisor May 2002 to May 2005

- Coordination of daily laboratory analysis and quality control
- Verification of raw data, calculations, and results
- Cultivation of new clients

Reliance Laboratories, Inc. Bridgeport, WV Lab Technician May 2000 to May 2002

- Performed environmental laboratory tests and quality control
- Development of Standard Operating Procedures for methods
- Trained new employees to perform laboratory tests

West Virginia Wesleyan College Chemistry Department Chemistry Lab Assistant August 1999 to May 2002

- Preparation of lab experiments, chemicals, and equipment
- Assisted students during lab procedures
- Graded lab reports, data sheets, questions

EDUCATION

West Virginia Wesleyan College Buckhannon, WV
May 2002 Bachelor of Science
Major: Chemistry Minor: Business Administration

Robert C. Byrd High School
June 1998 Diploma

TECHNICAL EXPERIENCE

Microsoft Excel, Word, Powerpoint, Access
Adobe Acrobat, ChemSTAT

REFERENCES

Will be furnished upon request.

WILLIAM FAY KIRK, JR.

BUSINESS:

Post Office Box 4657
Benedum Airport Industrial Park
Bridgeport, WV 26330-0625
reliancelabs@westvirginia.net
304-842-5285/FAX 304-842-5351

RESIDENCE:

Post Office Box 615
Bridgeport, WV 26330
(304) 622-3211

EDUCATION

FAIRMONT STATE COLLEGE

Fairmont, West Virginia 26554
September 1965 - May 1969
Bachelor of Science - Biology

WEST VIRGINIA UNIVERSITY

Morgantown, West Virginia 26505
September 1970 - May 1973
Master of Arts - Biology (Specialization
Environmental Biology, Aquatic Chemistry)

WEST VIRGINIA UNIVERSITY, SCH ENGINEERING (CEU)
MICHIGAN STATE UNIVERSITY, SCH ENGINEERING (CEU)
UNIVERSITY OF KENTUCKY, SCH ENGINEERING (CEU)

HONORS AND ACTIVITIES: President, Beta Beta Beta, National Biological Honorary, Graduate Teaching Assistant and Departmental Instructor, Biology Department, West Virginia University, Recipient of National Science Foundation Fellowship.

EMPLOYMENT

November 1977-
Present

RELIANCE LABORATORIES, INC. (Primary)

Benedum Airport Industrial Park
Post Office Box 4657
Bridgeport, West Virginia 26330-4657

3790 Hedgesville Road, Suite I (Secondary)
Hedgesville, West Virginia 25427

Owner/President-Coordinate all aspects of the laboratories' operation: Corporate management, Purchasing, Technical Development, Quality Control, Marketing, Client Relations and Contracting.

February 1984-
January 1987

ENVIRONMENTAL TREATMENT SERVICE, INC.

401 North Ohio Avenue
Clarksburg, West Virginia 26301
Founder/Vice-President/Technical Director for
development of treatment techniques for oil
and gas well production fluids.

June 1973 -
June 1979

CLARKSBURG WATER BOARD

1001 South Chestnut Street
Clarksburg, West Virginia 26302
Plant Manager-Coordinate Plant Operation
(Water Treatment/Finished Water Distribution,
Laboratory Function, Maintain Water Storage
Facilities and Raw Water Impoundments.

June 1973 -
June 1979

**UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL WEATHER SERVICE**

River District Office
Pittsburgh, Pennsylvania
Weather Observer-Provide climatological data
to regional office for weather forecasting and
record keeping.

June 1972 -
June 1973

CLARKSBURG WATER BOARD

1001 South Chestnut Street
Clarksburg, West Virginia 26302
Chief Chemist-Supervise and coordinate testing
performed by the in-house water quality
laboratory.

EXPERTISE

Independent Environmental Consultant offering
prior experience:

- * Preparation of Phase I & Phase II Environmental
Audits for regulatory purposes,
- * Development of Hydrological Investigations &
Water Quality Surveys for regulatory purposes,
- * Independent Environmental Consultation to
Oil & Gas, Coal & Hard Rock Mining, State &
Federal Government, Heavy Industry,
Agriculture and Business Community.
- * Expert Witness For Environmental Litigation
- * Instructor at the West Virginia Environmental
Training Center
- * Certified Asbestos Inspector, State of West Virginia #A1001233

**AFFILIATIONS
PAST OR PRESENT**

American Water Works Association
Independent Oil & Gas Association West Virginia
West Virginia Surface Mining & Reclamation
Association
American Council of Independent Laboratories
West Virginia Rural Water Association

Alison K. Auvil

aauvil@wvdsi.net

5476 Shepherdstown Rd
Martinsburg, WV 25404
(304) 886-7912

Objective

I am seeking to secure a rewarding full-time position within the Laboratory Technical field, where I can excel in a learning environment and apply my knowledge and experience within a challenging position.

Employment

Laboratory Supervisor – Reliance Laboratories, Inc., Martinsburg, WV

June 2003 – Present/FT

Primary Responsibilities: Liaised with businesses and the general public, respond to inquiries regarding analysis results, create and maintain personnel files, compile research and provide exceptional customer service.

Audit Clerk – Direct Mail Processors, Hagerstown, MD

March 2001 – October 2001

Primary Responsibilities: Log information on accounts, make daily deposits, fax clients, receive incoming mail, open, sort into batches and prepare mail for distribution to various departments, and data entry.

Accounting Office Personnel – Wal-Mart, Martinsburg, WV

July 1996 – May 1998

Primary Responsibilities: Assisted customers with past due accounts, appeared in court for insufficient funds accounts, verified large sums of cash, made deposits, data entry, and answered phones

Education – Medical Assitant Program
Hagerstown Business College, Hagerstown, MD

October 1999 – Present
Honors – Dean's List

Skills & Qualifications

I have the ability to plan and coordinate a variety of laboratory assignments as well as, prepare a variety of chemical reagents used in the analysis. I am a team player, analytical thinker, and quality oriented:

- ❖ Data review and preparation of reports
- ❖ Operating laboratory equipment properly and safely
- ❖ Implementation of analytical chemistry methods
- ❖ Weighing and measuring with accuracy
- ❖ Ensure that all QA / SOP functions and policies are followed
- ❖ Preparing evaluations by following written and oral direction
- ❖ Analysis of wastewater, drinking water, soils, sludge

➤ Proficient in the following applications: Microsoft Office: Word, Excel, Access, and Outlook

~ References available upon request ~

Adam J. Bixler
378 Vine Circle
Martinsburg, WV 25405
(304) 262-2461

Education:

Graduated- Alliance High School
Alliance, OH
1999, GPA: 3.90

Graduated- Waynesburg College
Waynesburg, PA
Graduated May 11, 2003, GPA: 3.20
BS Biology, General Biology Major, Chemistry Minor

Work Experience:

•Summit Environmental Technologies, Inc., Akron, OH
Laboratory Technician, January 2005- August 2006.

Field Experience:

•Friendship Hill National Historic Site, Smithfield, PA
Independent research project through Waynesburg College.
I collected and tested water samples to determine the effects
of acid mine drainage on the aquatic environment. September 2002-May 2003.