



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

Request for Quotation

RFQ NUMBER
DEP15729

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
**GUY NISBET
 304-558-8802**

VENDOR ROOM

*709050714 304-623-6549
**STURM ENVIRONMENTAL SERVICES I
 PO BOX 650
 BRIDGEPORT WV 26330**

SHIP TO

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/05/2012				

BID OPENING DATE: **01/31/2012** 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>INQUIRES:</p> <p>WRITTEN QUESTIONS SHALL BE ACCEPTED THROUGH THE CLOSE OF BUSINESS ON TUESDAY, 01/17/2012. QUESTIONS MAY BE SENT VIA: USPS, FAX, COURIER OR EMAIL. IN ORDER TO ASSURE NO VENDOR RECEIVES AN UNFAIR ADVANTAGE, NO SUBSTANTIVE QUESTIONS WILL BE ANSWERED ORALLY. IF POSSIBLE, EMAIL QUESTIONS ARE PREFERRED. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL WRITTEN ADDENDUM TO BE ISSUED BY THE PURCHASING DIVISION AFTER Q&A DEADLINE HAS LAPSED.</p> <p>ADDRESS INQUIRES TO:</p> <p>GUY NISBET DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON STREET, EAST CHARLESTON, WV. 25305 FAX: 304.558.4115 EMAIL: GUY.L.NISBET@WV.GOV</p>						

RECEIVED
 2012 JAN 31 AM 11:35
 WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>U. L. Hoops</i>	TELEPHONE 304-623-6549	DATE 01/24/12
TITLE VICE PRESIDENT	FEIN 55-0606888	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.html and is hereby made part of the agreement provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
 14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
 15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending 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).



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<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) 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</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>V. Hoops</i>	TELEPHONE 304-623-6549	DATE 01/24/12
TITLE VICE PRESIDENT	FEIN 55-0606888	ADDRESS CHANGES TO BE NOTED ABOVE

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	<p>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 DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM.</p> <p>REV. 05/26/2009</p> <p>EXHIBIT 10</p> <p style="text-align: right;">REQUISITION NO.: DEP15729</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p>					

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ADDENDUM NO.'S: NO. 1 <i>V. Hoops / 27-12</i> NO. 2 NO. 3 NO. 4 NO. 5 I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING. <div style="text-align: right;"> <i>V. L. Hoops</i> SIGNATURE . STURM ENVIRONMENTAL SERVICES COMPANY .. 01/25/12 DATE </div> NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.						

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SIGNATURE	TELEPHONE	DATE
<i>V. L. Hoops</i>	304-623-6549	01/24/12

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VICE PRESIDENT	55-0606888	

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<p>----- <i>Victoria L Hoops</i> -----</p> <p>ANY INDIVIDUAL SIGNING THIS BID IS CERTIFYING THAT: (1) HE OR SHE IS AUTHORIZED BY THE BIDDER TO EXECUTE THE BID OR ANY DOCUMENTS RELATED THERETO ON BEHALF OF THE BIDDER, (2) THAT HE OR SHE IS AUTHORIZED TO BIND THE BIDDER IN A CONTRACTUAL RELATIONSHIP, AND (3) THAT THE BIDDER HAS PROPERLY REGISTERED WITH ANY STATE AGENCIES THAT MAY REQUIRE REGISTRATION.</p>						
<p>***** THIS IS THE END OF RFQ DEP15729 ***** TOTAL:</p>						<p><u>\$715,055.00</u></p>

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SIGNATURE *V.L. Hoops* TELEPHONE **304-623-6549** DATE **01/24/12**

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BID SHEETS

ANALYSIS OF WATER AND SOIL

DEP15729

Vendor's Bid Sheet

Vendors Name: STURM ENVIRONMENTAL SERVICES

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

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT
1	4000	pH	SM 1914520B	N/A	\$ 3	\$ 12000
1A	10	pH (Solid)	1311 9045D		\$ 4	\$ 40
2	4000	Hot Acidity	SM 2310 B(4c)	5 mg/l	\$ 5	\$ 20000
2A	1000	Hot Acidity Alt. Method		*	\$	\$
3	4000	Alkalinity	SM 2320 B	5 mg/L	\$ 5	\$ 20000
3A	1000	Alkalinity Alt. Method			\$	\$
4	500	Hardness	EPA 2340B	1 mg/L	\$ 12	\$ 6000
4A	100	Hardness Alt. Method			\$	\$
4B	10	Hardness (Solid)			\$	\$
5	1000	Specific Conductance	EPA 120.1	3 uS/cm ²	\$ 4	\$ 4000
5A	500	Specific Conductance Alt. Method			\$	\$
6	4000	Sulfate	EPA 300.0	5 mg/L	\$ 6	\$ 24000
6A	1000	Sulfate Alt. Method			\$	\$
6B	10	Sulfate (Solid)			\$	\$
7	20	Sulfide	SM 4500-SF	1 mg/L	\$ 8	\$ 160
7A	10	Sulfide Alt. Method			\$	\$
8	20	Turbidity	SM 2310 B	1 NTU (higher OK if highly turbid)	\$ 4	\$ 80
8A	10	Turbidity Alt. Method			\$	\$
9	300	Bromide	EPA 300.0	0.1 mg/L	\$ 8	\$ 2400
9A	10	Bromide Alt. Method		1 mg/L	\$	\$
9B	10	Bromide (Solid)			\$	\$
10	3000	Chloride	EPA 300.0	5 mg/L	\$ 7	\$ 21000
10A	100	Chloride Alt. Method	SM 4500 ClE		\$ 7	\$ 700
10B	10	Chloride (Solid)			\$	\$
11	25	Fluoride	EPA 300.0	0.2 mg/L	\$ 6	\$ 150
11A	10	Fluoride Alt. Method			\$	\$
11B	10	Fluoride (Solid)			\$ 6	\$ 60
12	4000	Fecal Coliform (MF)	SM 9222D	4 cfu/100 mL	\$ 35	\$ 140000
12A	1000	Fecal Coliform (MF) Alt. Method			\$	\$
13	100	Fecal Coliform (MPN)		4 cfu/100 mL	\$	\$
13A	50	Fecal Coliform (MPN) Alt. Method			\$	\$
14	20	Total Coliform	9223B		\$ 35	\$ 700
15	25	Total Solids	2540 B	1 mg/L	\$ 10	\$ 250
15A	10	Total Solids Alt. Method			\$	\$
15B	10	Total Solid (Solid)			\$ 20	\$ 200
16	3000	Dissolved Solids (TDS)	SM 2540 C	1 mg/L	\$ 10	\$ 30000
16A	1000	Dissolved Solids (TDS) Alt. Method			\$	\$
17	4000	Suspended Solids (TSS)	2540 D	3 mg/L	\$ 10	\$ 40000

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT
17A	1000	Suspended Solids (TSS) Alt. Method			\$	\$
18	25	Settleable Solids	SM 2540 F		\$ 5	\$ 50
18A	10	Settleable Solids Alt. Method			\$	\$
19	25	Volatile Solids	160.4	1 mg/L	\$ 10	\$ 250
19A	10	Volatile Solids Alt. Method			\$	\$
19B	10	Volatile solid (Solid)			\$ 18	\$ 150
20	25	Percent Solids	EPA 160.3	1%	\$ 10	\$ 250
20A	10	Percent Solids Alt. Method			\$ 18	\$ 180
20B	10	Percent Solids (Solid)	1311		\$	\$
21	400	Kjeldahl Nitrogen	SM 4500 NH ₃ N EPA 4500 NH ₃ N	0.1 mg/L	\$ 25	\$ 10000
21A	100	Kjeldahl Nitrogen Alt. Method			\$	\$
21B	10	Kjeldahl Nitrogen (Solid)	4500 Norg. NH ₃ N		\$ 35	\$ 350
21C	10	Kjeldahl Nitrogen Alt. Method (Solid)			\$	\$
22	50	Ammonia Nitrogen	SM 4500 NH ₃ N BCL	0.1 mg/L	\$ 15	\$ 750
22A	10	Ammonia Nitrogen Alt. Method			\$	\$
22B	10	Ammonia Nitrogen (Solid)			\$	\$
22C	10	Ammonia Nitrogen Alt. Method (Solid)	SM 4500 NH ₃ N BCL		\$ 20	\$ 200
23	50	Organic Nitrogen		0.5 mg/L	\$	\$
23A	10	Organic Nitrogen Alt. Method			\$	\$
24	50	Nitrate-Nitrogen	300.0	0.05 mg/L	\$ 8	\$ 400
24A	10	Nitrate-Nitrogen Alt. Method	EPA 353.2		\$ 10	\$ 100
25	50	Nitrite-Nitrogen	300.0	0.05 mg/L	\$ 8	\$ 400
25A	10	Nitrite-Nitrogen Alt. Method	353.2		\$ 10	\$ 100
25B	10	Nitrite-Nitrogen (Solid)			\$	\$
25C	10	Nitrite-Nitrogen Alt. Method (Solid)			\$	\$
26	400	Nitrite-Nitrate	300.0	0.05 mg/L	\$ 15	\$ 6000
26A	100	Nitrite-Nitrate Alt. Method	353.2		\$ 15	\$ 1500
26B	10	Nitrite-Nitrate (Solid)			\$	\$
26C	10	Nitrite-Nitrate Alt. Method (Solid)			\$	\$
27	400	Total Phosphorus	4500-PE	0.01 mg/L	\$ 20	\$ 8000
27A	100	Total Phosphorus Alt. Method			\$	\$
27B	10	Total Phosphorus (Solid)			\$ 25	\$ 250
27C	10	Total Phosphorus Alt. Method (Solid)			\$	\$
28	50	Orthophosphate	SM 4500 PB.5+PE	0.01 mg/L	\$ 8	\$ 400
28A	10	Orthophosphate Alt. Method	300.0	0.05 mg/L	\$ 8	\$ 80
29	50	Total Phosphate	4500 PE+PB.5	0.01 mg/L	\$ 8	\$ 400
29A	10	Total Phosphate Alt. Method			\$	\$
29B	10	Total Phosphate (Solid)			\$	\$
29C	10	Total Phosphate Alt. Method (Solid)			\$	\$
30	25	BOD	SM 5210 B	2 mg/L	\$ 25	\$ 625
30A	10	BOD Alt. Method			\$	\$
31	25	BOD-carbonaceous	5210 B	2 mg/L	\$ 30	\$ 750
31A	10	BOD-carbonaceous Alt. Method			\$	\$
32	25	COD	Hach 8000	0.5 mg/L	\$ 25	\$ 625
32A	10	COD Alt. Method			\$	\$
33	25	TOC	SM 5310 B	1 mg/L	\$ 30	\$ 750
33A	10	TOC Alt. Method			\$	\$
34	25	MBAS	SM 5540 C	0.05 mg/L	\$ 25	\$ 625
34A	10	MBAS Alt. Method			\$	\$
35	25	Phenolics	EPA 420.4	0.01 mg/L	\$ 25	\$ 625
35A	10	Phenolics Alt. Method			\$	\$
35B	10	Phenolics (Solid)			\$	\$
36	25	Total Cyanide	EPA 335.4	0.005 mg/L	\$ 20	\$ 500
36A	10	Total Cyanide Alt. Method			\$	\$

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT
36B	10	Total Cyanide (Solid)		0.01	\$	\$
37	200	Hexavalent Chromium	SM3500-C1D	0.005 mg/L	\$ 20	\$ 4000
37A	10	Hexavalent Chromium Alt. Method			\$	\$
37B	10	Hexavalent Chromium (Solid)			\$	\$
38	25	Oil-Grease	EPA 11664A Grav	7 mg/130	\$ 45	\$ 1125
38A	10	Oil-Grease Alt. Method			\$	\$
38B	10	Oil-Grease (Solid)			\$	\$
39	100	Chlorophyll A		0.5 ug/L	\$	\$
39A	20	Chlorophyll A Alt. Method			\$	\$
40	25	Color (APHA)		5 color units	\$	\$
40A	10	Color (APHA) Alt. Method			\$	\$
41	25	Color (ADMI)		10 ADMI value	\$	\$
41A	10	Color Alt. Method			\$	\$
42	25	Cyanide, Amenable	4500-CNG	0.005 mg/L	\$ 25	\$ 625
42A	10	Cyanide, Amenable Alt. Method			\$	\$
43	25	Cyanide, Free (ASTM)		0.005 mg/L	\$	\$
43A	10	Cyanide, Free Alt. Method			\$	\$
44	25	Mineral Acidity	SM 2310 B	1 mg/L	\$ 5	\$ 125
44A	10	Mineral Acidity Alt. Method			\$	\$
45	25	Total Acidity	2310 B(4a)	1 mg/L	\$ 5	\$ 125
45A	10	Total Acidity Alt. Method			\$	\$
46	25	Tot Petroleum Hydrocarbons GRO/DRO (8015)	SW8015C	0.5 mg/L	\$ 130	\$ 3250
46A	10	Tot Petroleum Hydrocarbons GRO/DRO (8015) (Solid)			\$	\$
47	25	Fecal Streptococci		4 cfu/100 mL	\$	\$
47A	10	Fecal Streptococci Alt. Method			\$	\$
47B	10	Fecal Streptococci (Solid)			\$	\$
48	25	Escherichia Coli (Numeric Result)	9223 B	1 cfu/100 mL	\$ 45	\$ 1125
48A	10	E. Coli (Numeric Result) Alt. Method			\$	\$
49	100	Enterococci		1 cfu/100 mL	\$	\$
50	20	Iron Bacteria	BART		\$ 45	\$ 900
51	20	Sulfate Reducing Bacteria	BART		\$ 45	\$ 900
52	25	Bicarbonate (Standard Methods)	2320 B	1 mg/L	\$ 8	\$ 200
52A	10	Bicarbonate Alt. Method			\$	\$
53	25	Ferrous Iron (Standard Methods)	SM 3500 Fe-D	0.05 mg/L	\$ 10	\$ 250
53A	10	Ferrous Iron Alt. Method			\$	\$
54	25	Dissolved Organic Carbon	5310 B	1 mg/L	\$ 35	\$ 875
54A	10	Dissolved Organic Carbon Alt. Method			\$	\$
55	4000	Aluminum	200.7	0.005 mg/L	\$ 10	\$ 4000
55A	100	Aluminum - Alt. method			\$	\$
55B	10	Aluminum (Solid)	3050B/SW6010B		\$ 18	\$ 180
56	20	Antimony	SM 3113 B	0.005 mg/L	\$ 20	\$ 400
56A	10	Antimony Alt. Method			\$	\$
56B	10	Antimony (Solid)	3050B/SW7010		\$ 28	\$ 280
57	20	Arsenic	3113 B	0.005 mg/L	\$ 20	\$ 400
57A	10	Arsenic Alt. Method			\$	\$
57B	10	Arsenic (Solid)	3050B/SW7010		\$ 28	\$ 280
58	20	Barium	200.7	0.005 mg/L	\$ 10	\$ 200
58A	10	Barium Alt. Method	SW 7010		\$	\$
58B	10	Barium (Solid)	3050B/SW6010B		\$ 18	\$ 180
59	20	Beryllium	200.7	0.00008 mg/L	\$ 20	\$ 400
59A	10	Beryllium Alt. Method	3113 B	0.0003 mg/L	\$ 20	\$ 200
59B	10	Beryllium (Solid)	3050B/SW7010		\$ 28	\$ 280

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT
60	20	Boron	200.7	0.02 mg/L	\$ 10	\$ 200
60A	10	Boron Alt. Method			\$	\$
60B	10	Boron (Solid)	3050B/600B	0.002	\$ 18	\$ 180
61	200	Cadmium	200.7	0.00005 mg/L	\$ 20	\$ 4000
61A	20	Cadmium Alt. Method	3113B	0.0002	\$ 20	\$ 400
61B	10	Cadmium (Solid)	3050B/7010	.50 mg/kg	\$ 28	\$ 280
62	500	Calcium	200.7	0.02 mg/L	\$ 10	\$ 5000
62A	20	Calcium Alt. Method			\$	\$
62B	10	Calcium (Solid)	3050B/6010B		\$ 18	\$ 180
63	20	Chromium	3113B	0.001 mg/L	\$ 20	\$ 400
63A	10	Chromium Alt. Method			\$	\$
63B	10	Chromium (Solid)	3050B/7010/6010B		\$ 28	\$ 280
64	20	Cobalt	200.7	0.001 mg/L	\$ 10	\$ 200
64A	10	Cobalt Alt. Method		0.005	\$ 10	\$ 100
64B	10	Cobalt (Solid)	5W6010B	0.002	\$ 18	\$ 180
65	200	Copper	200.7	0.001 mg/L	\$ 20	\$ 4000
65A	20	Copper Alt. Method	3113B	0.003	\$ 10	\$ 200
65B	10	Copper (Solid)	3050B/7010/6010B		\$ 28	\$ 280
66	3000	Iron	200.7	0.01 mg/L	\$ 10	\$ 30000
66A	100	Iron Alt. Method			\$	\$
66B	10	Iron (Solid)	3050B/6010B	1.5 mg/kg	\$ 18	\$ 180
67	200	Lead	200.7	0.00054 mg/L	\$ 20	\$ 4000
67A	10	Lead Alt. Method		0.001	\$ 20	\$ 200
67B	10	Lead (Solid)	3050B/7010		\$ 28	\$ 280
68	500	Magnesium	200.7	0.05 mg/L	\$ 10	\$ 5000
68A	20	Magnesium Alt. Method			\$	\$
68B	10	Magnesium (Solid)	3050B/6010B		\$ 18	\$ 180
69	3000	Manganese	200.7	0.005 mg/L	\$ 10	\$ 30000
69A	100	Manganese Alt. Method			\$	\$
69B	10	Manganese (Solid)	3050B/6010B	.10 mg/kg	\$ 18	\$ 180
70	200	Mercury	CVAA/EPA-245.1	0.0001 mg/L	\$ 28	\$ 5600
70A	200	Mercury / Method 1631E	1631E Rev 2	0.5 ng/L	\$ 28	\$ 5600
70B	10	Mercury (Solid)	772 Colpar	.50 mg/kg	\$ 36	\$ 360
71	20	Molybdenum	200.7	0.005 mg/L	\$ 10	\$ 200
71A	10	Molybdenum Alt. Method			\$	\$
71B	10	Molybdenum (Solid)	3050B/6010B		\$ 18	\$ 180
72	200	Nickel	200.7	0.005 mg/L .10	\$ 10	\$ 2000
72A	20	Nickel Alt. Method			\$	\$
72B	10	Nickel (Solid)	3050B/6010B		\$ 18	\$ 180
73	500	Potassium	200.7	0.05 mg/L	\$ 10	\$ 5000
73A	20	Potassium Alt. Method			\$	\$
73B	10	Potassium (Solid)	3050B/6010B		\$ 18	\$ 180
74	500	Selenium	3114B	0.001 mg/L	\$ 25	\$ 12500
74A	20	Selenium Alt. Method	3113B	0.0006	\$ 25	\$ 500
74B	10	Selenium (Solid)	3050B/7010	0.0003	\$	\$
75	200	Silver	200.7	0.000072 mg/L	\$ 10	\$ 2000
75A	20	Silver Alt. Method	3113B	0.002	\$ 10	\$ 200
75B	10	Silver	3050B/7010		\$ 28	\$ 280
76	500	Sodium	200.7	0.05 mg/L	\$ 10	\$ 5000
76A	20	Sodium Alt. Method			\$	\$
76B	10	Sodium (Solid)	3050B/5W6010B		\$ 18	\$ 180
77	200	Strontium	200.7	0.001 mg/L	\$ 20	\$ 4000
77A	20	Strontium Alt. Method	5W6010B		\$ 20	\$ 400
78	20	Thallium	279.2	0.001 mg/L	\$ 20	\$ 400

ITEM NO.	EST. QUANTITY	DESCRIPTION	Method #	Method Detection Level*	UNIT PRICE	AMOUNT
78A	10	Thallium Alt. Method			\$	\$
78B	10	Thallium (Solid)	3050B/7010		\$ 28	\$ 280
79	20	Tin	200.7	0.02 mg/L	\$ 10	\$ 200
79A	10	Tin Alt. Method			\$	\$
79B	10	Tin (Solid)	6010B		\$ 18	\$ 180
80	20	Vanadium	200.7	0.006 mg/L	\$ 10	\$ 200
80A	10	Vanadium Alt. Method			\$	\$
80B	10	Vanadium (Solid)	SW6010B		\$ 18	\$ 180
81	200	Zinc	200.7	0.002 mg/L	\$ 10	\$ 2000
81A	20	Zinc Alt. Method			\$	\$
81B	10	Zinc (Solid)	3050B/6006		\$ 18	\$ 180
82	200	Metals Prep Cost			\$ 5	\$ 1000
82A	10	Metals Prep Cost (Solid)			\$ 10	\$ 100
83	20	Gross Alpha *			\$ 50	\$ 1000
83A	10	Gross Alpha (Solid)			\$	\$
84	20	Gross Beta *EXCLUDED W/ALPHA			\$	\$
84A	10	Gross Beta (Solid)			\$	\$
85	20	Ra-226			\$ 90	\$ 1800
85A	10	Ra-226 (Solid)			\$	\$
86	20	Ra-228			\$ 95	\$ 1900
86A	10	Ra-228 (Solid)			\$	\$
87	20	Total Uranium			\$ 125	\$ 2500
87A	10	Total Uranium (Solid)			\$	\$
88	20	Sr-89			\$	\$
88A	10	Sr-89 (Solid)			\$	\$
89	20	Sr-90			\$	\$
89A	10	Sr-90 (Solid)			\$	\$
90	20	Tritium (H3)			\$	\$
90A	10	Tritium (H3) (Solid)			\$	\$
91	20	Gamma (Cs-137)			\$ 140	\$ 2800
91A	10	Gamma (Cs-137) (Solid)			\$	\$
92	20	Radon			\$	\$
92A	10	Radon (Solid)			\$	\$

Toxicity Testing - Freshwater Organisms

Acute:

93	25	Ceriodaphnia	2002.0		\$ 315	\$ 7875
94	10	Daphnia Pulex / D. magna			\$	\$
95	25	Pimephales promelas	2000.0		\$ 415	\$ 10375
Chronic:						
96	25	Ceriodaphnia	1000.0		\$ 1150	\$ 28750
97	25	Pimephales promelas (Survival & Growth)	1000.0		\$ 1475	\$ 36875

98	200	Analysis of entire "Phase I Parameters" for landfills See Appendix A for list.			\$ 700	\$ 140000
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99	10	Professional staff representation of data in legal/administrative setting per hour			\$ 175	\$ 1750
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Collection of samples - costs associated with sample pickup form the following locations:

100	24	Charleston Office, 601 57th St., SE, Charleston, WV 25304	\$ 25	\$ 600
101	24	Teays Office, P.O. Box 662, Teays, WV 25596	\$ 50	\$ 1200
102	24	Fairmont Office, 2031 Pleasant Valley Rd., Fairmont, WV 26554	\$ 50	\$ 1200
103	24	Romney Office, HC 63, Box 2545, Romney, WV 26757	\$ 100	\$ 2400
104	24	French Creek Office, P.O. Box 38, French Creek, WV 26218	\$ 75	\$ 1800
105	24	Wheeling Office, 131A Peninsula St., Wheeling, WV 26003	\$ 150	\$ 3600
106	24	Parkersburg Office, 2311 Ohio Ave., Parkersburg, WV 26010	\$ 100	\$ 2400
107	24	Oak Hill Office, 116 Industrial Dr., Oak Hill, WV 25901	\$ 150	\$ 3600
108	24	Logan Office, 1101 George Kostas Dr. Logan, 25601	\$ 100	\$ 2400
109	24	Philippi Office, 105 S Railroad St. Philippi WV 26416	\$ 75	\$ 1800
110	24	Welch Office, 311 Court St. Welch 24801	\$ 150	\$ 3600
111	5000	Other locations as Cost Per Mile to pickup site	\$ 1.50	\$ 7500
112	10	24 Hour Turn-Around Rush Orders**	\$	# 100%
113	10	48 Hour Turn-Around Rush Orders**	\$	# 50%
114	10	72 Hour Turn Around Rush Orders**	\$	# 25%
TOTAL				\$715,055.00

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

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

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

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

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

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,
X 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:

- X 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:

- X 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: STURM ENVIRONMENTAL SERVICES

Signed: U. L. Hoops

Date: 01/24/12

Title: VICE PRESIDENT

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

RFQ No. _____

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: *Sturm Environmental Services*

Authorized Signature: *[Signature]* Date: *1-25-12*

State of *West Virginia*

County of *Harrison*, to-wit:

Taken, subscribed, and sworn to before me this *25* day of *January*, 20*12*.

My Commission expires *Nov 26*, 20*15*.

AFFIX SEAL HERE

NOTARY PUBLIC *Victoria L. Hoops*



RESUMES

DOUGLAS BENNETT

DOUG EARNED HIS B.A. IN CHEMISTRY FROM GLENNVILLE STATE COLLEGE IN 2004.

IN 2005 HE JOINED STURM ENVIRONMENTAL SERVICES ON OUR EVENING SHIFT AS A CHEMIST IN OUR SPECIALTY CHEMISTRY DEPARTMENT. THAT LAB HANDLES ALL SAMPLES BY TECHNICON ANALYSIS.

DOUG WAS MOVED TO DAY SHIFT AS THE QA/QC OFFICER RESPONSIBLE FOR ALL PROFICIENCY TESTING RELATED TO OUR CERTIFICATION. DOUG ALSO VERIFIES THE ACCURACY OF AND SIGNS ALL THE DATA REPORTS SENT TO OUR CLIENTS.

WE CONSIDER DOUG A VALUABLE MEMBER OF OUR TEAM.

MORGEN M. MILLER

MORGEN GRADUATED FROM WEST VIRGINIA WESLYEAN COLLEGE IN MAY 2007 WITH A BS IN CHEMISTRY. MORGEN JOINED STURM ENVIRONMENTAL SERVICES IN AUGUST 2008 AS OUR EVENING SHIFT CHEMIST. HE QUICKLY BECAME A LEADER AND WAS PROMOTED TO EVENING SHIFT MANAGER.

MORGEN IS RESPONSIBLE FOR COMPLETING AND RECORDING ALL COMPLETED DATE, MAINTAINING THE OPERATION OF VARIOUS LABORATORY ANALYTICAL EQUIPMENT AND SCHEDULING THE WORKLOAD FOR THE EVENING SHIFT PERSONNEL. HE ALSO HAS AN ACTIVE ROLE IN MAINTAINING THE DOCUMENTATION NECESSARY FOR OUR ANNUAL LAB CERTIFICATION. MORGEN IS VERY DETAIL ORIENTED AND EFFICIENT IN COMPLETING ALL ASSIGNMENTS GIVEN TO HIM.

WE CONSIDER MORGEN A KEY MEMBER OF THE SES STAFF.

CERTIFICATION



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304-2345
Phone: (304) 926-0495
Fax: (304) 926-0497

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

September 27, 2011

John W. Sturm
President
Sturm Environmental Services
P.O. Box 650
Bridgeport, WV 26330

Dear Mr. Sturm:

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

Certification for Turbidity has been reinstated.

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

Sincerely,

Daniel T. Arnold
Program Manager
da

Enclosure:

Attachment I

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

Annual Certified Parameter List

for

STURM ENVIRONMENTAL SERVICES BRIDGEPORT, WEST VIRGINIA

PARAMETERS CERTIFIED

NONPOTABLE WATER INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Acidity, Total	SM19th2310 B(4a)	Titrimetric
Alkalinity	SM19th2320 B	Titrimetric
Ammonia	SM19th4500-NH3 C	Titrimetric
Bromide	EPA300.0 Rev. 2.1-1993	IC
Chlorine, Residual	SM19th4500-Cl G	Spectrophotometric
Chlorine, Residual (Field Test)	SM19th4500-Cl G	Spectrophotometric
Chloride	EPA300.0 Rev. 2.1-1993	IC
Chloride	SM19th4500-Cl E	Colorimetric
Conductance, Specific	EPA120.1, Rev. 1982	Probe
Cyanide, Total	EPA335.4, Rev. 1.0-1993	Spectrophotometric
Cyanide, Amenable to Chlorination	SM19th4500-CN G	Spectrophotometric
Demand, Biochemical Oxygen (BOD)	SM19th5210 B	Probe
Demand, Carbonaceous (CBOD)	SM19th5210 B	Probe
Demand, Chemical Oxygen (COD)	HACH8000	Spectrophotometric
Fluoride	EPA300.0 Rev. 2.1-1993	IC
Hardness, Total	SM19th2340 B	Calculation
Kjeldahl, Total Nitrogen	SM19th4500-NH3 C	Titrimetric
Nitrate	EPA353.2, Rev. 2.0-1993	Colorimetric
Nitrate	EPA300.0 Rev. 2.1-1993	IC
Nitrate-Nitrite	EPA353.2, Rev. 2.0-1993	Colorimetric
Nitrate-Nitrite	EPA300.0 Rev. 2.1-1993	IC
Nitrite	EPA353.2, Rev. 2.0-1993	Colorimetric
Nitrite	EPA300.0 Rev. 2.1-1993	IC
Oil & Grease	EPA1664A	SPE/Gravimetric
Organic Carbon, Total	SM19th5310 B	Combustion
Phenolics, Total	EPA420.4 Rev. 1.0-1993	Spectrophotometric
Phosphorus, Total	SM19th4500-P E	Manual Spectrophotometric

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Phosphorus, ortho	SM19th4500-P E	Manual Spectrophotometric
Phosphorus, ortho	EPA300.0 Rev. 2.1-1993	IC
Silica, Dissolved	EPA200.7 Rev 4.4-1994	ICP/Calculation
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
Sulfate	EPA300.0 Rev. 2.1-1993	IC
Sulfide	SM19th4500-S F	Titrimetric
Surfactants (MBAS)	SM19th5540 C	Spectrophotometric
Temperature	SM19th2550 B	
Turbidity	SM19th2130 B	Turbidimetric
Oxygen, Dissolved	SM19th4500-O G	Probe
Oxygen, Dissolved(Field Test)	SM19th4500-O G	Probe
pH	SM19th4500-H B	Probe
pH(Field Test)	SM19th4500-H B	Probe
Ammonia	SM19th4500-NH3 B	Distillation
Cyanide	SM19th4500-CN C	Distillation
Phenol	EPA420.4 Rev. 1.0-1993	Distillation
Phosphorus, Total	SM19th4500-P B.5	Digestion
Total Kjeldahl Nitrogen	SM19th4500Norg 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	SM19th3113B	GFAA
Arsenic	SM19th3113B	GFAA
Barium	EPA200.7 Rev 4.4-1994	ICP
Beryllium	EPA200.7 Rev 4.4-1994	ICP
Beryllium	SM19th3113B	GFAA
Boron	EPA200.7 Rev 4.4-1994	ICP
Cadmium	EPA200.7 Rev 4.4-1994	ICP
Cadmium	SM19th3113B	GFAA
Calcium	EPA200.7 Rev 4.4-1994	ICP
Chromium	EPA200.7 Rev 4.4-1994	ICP
Chromium	SM19th3113B	GFAA
Cobalt	EPA200.7 Rev 4.4-1994	ICP
Copper	EPA200.7 Rev 4.4-1994	ICP
Copper	SM19th3113B	GFAA
Iron	EPA200.7 Rev 4.4-1994	ICP
Lead	SM19th3113B	GFAA
Magnesium	EPA200.7 Rev 4.4-1994	ICP

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
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	EPA200.9 Rev 2.2-1994	STGFAA
Silicon	EPA200.7 Rev 4.4-1994	ICP
Silver	EPA200.7 Rev 4.4-1994	ICP
Silver	SM19th3113B	GFAA
Sodium	EPA200.7 Rev 4.4-1994	ICP
Strontium	EPA200.7 Rev 4.4-1994	ICP
Thallium	SM19th3113B	GFAA
Tin	EPA200.7 Rev 4.4-1994	ICP
Titanium	EPA200.7 Rev 4.4-1994	ICP
Vanadium	EPA200.7 Rev 4.4-1994	ICP
Zinc	EPA200.7 Rev 4.4-1994	ICP
Mercury	EPA245.1	CVAA
Chromium, Hexavalent	SM19th3500-Cr D	Spectrophotometric
Total Metals	EPA200.7 Rev 4.4-1994	Digestion
Total Metals	SM19th3030B	Digestion
Dissolved Metals	EPA200.7 Rev 4.4-1994	
Mercury	EPA245.1	Digestion

NONPOTABLE WATER MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Fecal Coliform	SM19th9222 D	Membrane Filter
Total Coliform	SM19th9223 B	Presence/absence
Total Coliform	SM19th9223 B	Most Probable Number
Fecal Streptococci	SM19th9230 C	Membrane Filter
Heterotrophic Plate Count (HPC)	SM19th9215 B	Pour Plate

WHOLE EFFLUENT TOXICITY

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

HAZARDOUS WASTE CHARACTERISTICS

<u>PROCEDURE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
EP Toxicity	SW1310A	Extraction
TCLP (Metals)	SW1311	Rotating Extractor

SOLID AND CHEMICAL INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
pH	SW9045 D	Probe
Ammonia	SM19th4500-NH3 C	Titrimetric
Kjeldahl, Total Nitrogen	SM19th4500-NH3 C	Titrimetric
Ammonia	SM19th4500-NH3 B (M)*	Distillation
Total Kjeldahl Nitrogen	SM19th4500Norg B	Digestion
Total Kjeldahl Nitrogen	SM19th4500-NH3 B	Distillation

*Modified for analysis of solid and chemical matrices.

SOLID AND CHEMICAL TRACE METALS

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Aluminum	SW6010B	ICP
Antimony	SW7010	GFAA
Arsenic	SW7010	GFAA
Barium	SW6010B	ICP
Barium	SW7010	GFAA
Beryllium	SW6010B	ICP
Beryllium	SW7010	GFAA
Boron	SW6010B	ICP
Cadmium	SW6010B	ICP
Cadmium	SW7010	GFAA
Calcium	SW6010B	ICP
Chromium	SW6010B	ICP
Chromium	SW7010	GFAA
Cobalt	SW6010B	ICP
Copper	SW6010B	ICP
Copper	SW7010	GFAA
Iron	SW6010B	ICP
Lead	SW7010	GFAA
Magnesium	SW6010B	ICP
Manganese	SW6010B	ICP
Molybdenum	SW6010B	ICP
Nickel	SW6010B	ICP
Potassium	SW6010B	ICP
Selenium	SW7010	GFAA
Silicon	SW6010B	ICP
Silver	SW6010B	ICP
Silver	SW7010	GFAA
Sodium	SW6010B	ICP
Strontium	SW6010B	ICP
Thallium	SW7010	GFAA
Tin	SW6010B	ICP
Titanium	SW6010B	ICP

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Vanadium	SW6010B	ICP
Zinc	SW6010B	ICP
Mercury	SW7471A	CVAA
Metals	SW3050B	Digestion
Mercury	SW7471A	Digestion

SOLID AND CHEMICAL MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Fecal Coliform	SM19th9222 D	Most Probable Number

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, 2012.

Certificate No 157



Issued on September 27, 2011

Daniel T. Arnold
Program Manager



West Virginia

Department of Health and Human Resources
Bureau for Public Health
Office of Laboratory Services

Earl Ray Tomblin
Governor

DRINKING WATER LABORATORY CERTIFICATION PROGRAM

Michael J. Lewis, M.D., Ph.D.
Cabinet Secretary

December 2011

Dear Laboratory Director,

RE: Certificate and Certified Parameter List

Enclosed are your 2011 West Virginia Certified Drinking Water Laboratory Certificate and the Certified Parameter List which must accompany the certificate.

The Certified Parameter List delineates those Safe Drinking Water Act contaminants your laboratory is certified to analyze for regulatory compliance. This list has been derived as a result of examination of laboratory's quality assurance manual, proficiency testing water studies, and the Home state certificate and parameter list supplied to this office.

Please review your certificate and certified parameter list and notify our office(s) regarding any errors or discrepancies. Questions concerning the certification policy should be directed to Gregory Young at (304) 965-2694 Ext.2222 for chemistry and Tom Ong at (304) 558-3530 Ext.2710 for microbiology.



STATE OF WEST VIRGINIA

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

Date Issued: **January 01, 2012**
Expiration Date: **December 31, 2012**


Certifies that

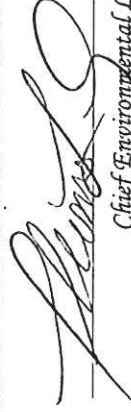
Certification Number: 00172 CM
Sturm Environmental Services
Brushy Fork Road
Bridgeport, WV 26330

Having duly met the requirements of the regulation (64CSR 3-13) for the Certification of Laboratories Analyzing Drinking Water
Is hereby approved as a

State Certified Drinking Water Laboratory

To perform the analyses as indicated on the Certified Parameter List which must accompany this certificate


Laboratory Director


Chief Environmental Laboratory Certification Officer(s)

Surrender Upon Revocation
Certificate Not Transferable
Customers Are Urged To Verify The Laboratory's Current Certification Status
Conspicuously display in the Laboratory with the Certified Parameter List in a location on the premises visible to the public.

Not Valid Unless Embossed



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

CERTIFIED PARAMETER LIST AND CURRENT STATUS

**Sturm Environmental Services
Brushy Fork Road
Bridgeport, WV 26330**

Certificate: **00172 CM**
Issue Date: **1/1/2012**
Expiration Date: **12/31/2012**

Group: Microbiology

	Method	Status	Description
Total Coliforms	SM9223B	Certified	Colilert
Fecal Coliforms/E. Coli	SM9223B	Certified	Colilert
Heterotrophic Bacteria	SM9215B	Certified	HPC - Pour Plate Method

*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:*

Monday, December 12, 2011 00172 CM