



# RELIANCE LABORATORIES, INC.

ENVIRONMENTAL ANALYSTS AND CONSULTANTS

BRIDGEPORT, WV

www.RelianceLabs.net

MARTINSBURG, WV

*Certifications:* WV Department of Health #: 00354, 00433 | WV Department of Environmental Protection #: 158, 181  
MD Department of Environment #: 336, 337 | US Environmental Protection Agency #: WV00042, WV00901

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April 3, 2013

WV Department of Administration  
Purchasing Division  
2019 Washington Street East  
PO Box 50130  
Charleston, WV 25305-0130  
Attn: Frank Whittaker

RE: DEP16028

Please find enclosed the completed Bid for RFQ DEP16028, Water Sampling 250 locations throughout Coal Regions. Reliance Laboratories, Inc. is a WV Certified Laboratory and will be performing all analytical testing parameters. The Benthic Sampling (Item 41) will be performed by Green Rivers, Ryan Gaujot-President. All pricing is listed on Bid Sheet as per solicitation. If you have any questions please feel free to contact me directly at 304-842-5285.

Thank you,

Tenley Miller, President  
Reliance Laboratories, Inc.  
[tmiller@wvdsi.net](mailto:tmiller@wvdsi.net)

04/04/13 10:00:43 AM  
West Virginia Purchasing Division



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

**Solicitation**

NUMBER
DEP16028

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
FRANK WHITTAKER 304-558-2316

VENDOR

\*709045224      304-842-5285  
 RELIANCE LABORATORIES INC  
 PO BOX 4657  
 2044 MEADOWBROOK RD  
 BRIDGEPORT WV 26330

SHIP TO

ENVIRONMENTAL PROTECTION  
 DEPT. OF  
 OFFICE OF MINING & RECLAMATION  
 601 57TH STREET SE  
 CHARLESTON, WV  
 25304      304-926-0499

DATE PRINTED
01/29/2013

BID OPENING DATE: 02/26/2013      BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		961-48		
WATER SAMPLING 250 LOCATIONS THROUGHOUT COAL REGIONS  THE WEST VIRGINIA PRUCHASING DIVISION, ON BEHALF OF THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING BIDS FROM QUALIFIED VENDORS TO PROVIDE WATER TESTING SERVICES PER THE ATTACHED SPECIFICATIONS, BID REQUIREMENTS, TERMS & CONDITIONS AND BID SCHEDULE.						
***** THIS IS THE END OF RFQ    DEP16028 ***** TOTAL:						<u>\$420,000.00</u>

SIGNATURE <i>Leg Mills</i>	TELEPHONE 304-842-5285	DATE 4/3/2013
TITLE <i>President</i>	FEIN 55-0580040	ADDRESS CHANGES TO BE NOTED ABOVE

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

**Bid Schedule  
DEP16028**

The DEP and the State reserve the right to request additional information and supporting documentation regarding unit prices when the unit price appears to be unreasonable. \*Quantities listed are for bidding purposes only.

ITEM NO.	* ESTIMATED QUANTITY	DESCRIPTION	Unit Cost	TOTAL
1.0	3,000 each	Ph	\$0.00	\$ 0.00
2.0	3,000 each	Temperature	\$0.00	\$ 0.00
3.0	3,000 each	Flow	\$0.00	\$ 0.00
4.0	3,000 each	Total hot acidity	\$2.00	\$ 6000.00
5.0	3,000 each	Mineral acidity	\$2.00	\$ 6000.00
6.0	3,000 each	Total alkalinity	\$2.00	\$ 6000.00
7.0	3,000 each	Total Fe	\$5.00	\$ 15000.00
8.0	3,000 each	Dissolved Fe	\$5.00	\$ 15000.00
9.0	3,000 each	Total Mn	\$5.00	\$ 15000.00
10.0	3,000 each	Dissolved Mn	\$5.00	\$ 15000.00
11.0	3,000 each	TSS	\$4.00	\$ 12000.00
12.0	3,000 each	TDS	\$4.00	\$ 12000.00
13.0	3,000 each	Specific conductance	\$2.00	\$ 6000.00
14.0	3,000 each	Sulfates	\$5.00	\$ 15000.00
15.0	3,000 each	Total Al	\$5.00	\$ 15000.00
16.0	3,000 each	Dissolved Al	\$5.00	\$ 15000.00
17.0	1,000 each	Total Antimony	\$6.00	\$ 6000.00
18.0	1,000 each	Total Arsenic	\$6.00	\$ 6000.00
19.0	1,000 each	Total Beryllium	\$6.00	\$ 6000.00
20.0	1,000 each	Total Cadmium	\$6.00	\$ 6000.00
21.0	1,000 each	Total Chromium	\$6.00	\$ 6000.00
22.0	1,000 each	Total Copper	\$6.00	\$ 6000.00
23.0	1,000 each	Total Lead	\$6.00	\$ 6000.00
24.0	1,000 each	Total Mercury	\$22.00	\$ 22000.00
25.0	1,000 each	Total Nickel	\$6.00	\$ 6000.00
26.0	1,000 each	Total Selenium	\$6.00	\$ 6000.00
27.0	1,000 each	Total Silver	\$6.00	\$ 6000.00
28.0	1,000 each	Total Zinc	\$6.00	\$ 6000.00
29.0	1,000 each	Total Thallium	\$6.00	\$ 6000.00
30.0	1,000 each	Total Cyanide	\$12.00	\$ 12000.00
31.0	1,000 each	Total Phenols	\$15.00	\$ 15000.00
32.0	1,000 each	Total Nitrates/Nitrites	\$12.00	\$ 12000.00
33.0	1,000 each	Total Sodium	\$6.00	\$ 6000.00
34.0	1,000 each	Dissolved Calcium	\$6.00	\$ 6000.00
35.0	1,000 each	Dissolved Magnesium	\$6.00	\$ 6000.00
36.0	1,000 each	Dissolved Potassium	\$6.00	\$ 6000.00
37.0	1,000 each	Dissolved Bicarbonate	\$2.00	\$ 2000.00
38.0	1,000 each	Dissolved Carbonate	\$2.00	\$ 2000.00
39.0	1,000 each	Dissolved Phosphate	\$6.00	\$ 6000.00
40.0	500 each	Benthic Sampling	\$100.00	\$ 50000.00
41.0	500 hours	Labor Per Site Visit	\$100.00	\$ 50000.00
<b>TOTAL</b>				<b>\$ 420,000.00</b>

Signature: *Jay Mills*  
 Date: April 3, 2013

**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.
7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with *West Virginia Code* §5A-3-59 and *West Virginia Code of State Rules*.**  
 Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

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: Reliance Laboratories, Inc. Signed: Jeff Miller  
 Date: 4/3/2013 Title: President

RFQ No. DEP16028

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 owned 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: 4/3/2013

State of West Virginia

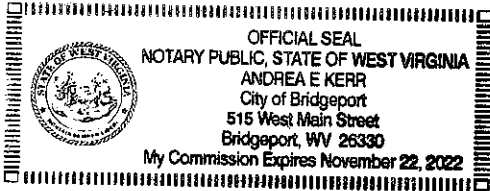
County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 3<sup>rd</sup> day of April, 2013.

My Commission expires November 22, 2022

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]



**CERTIFICATION AND SIGNATURE PAGE**

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

Reliance Laboratories, Inc.  
(Company)

Tenley Miller  
(Authorized Signature)

Tenley Miller, President  
(Representative Name, Title)

304-842-5285      304-842-5351  
(Phone Number)      (Fax Number)

April 3, 2013  
(Date)

**ADDENDUM ACKNOWLEDGEMENT FORM****SOLICITATION NO.:** DEP16028

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7  |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further 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.

Reliance Laboratories, Inc.

Company

*[Signature]*

Authorized Signature

April 3, 2013

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.



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

**Solicitation**

NUMBER
DEP16028

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1

ADDRESS CORRESPONDENCE TO ATTENTION OF
FRANK WHITTAKER 304-558-2316

VENDOR

\*709045224      304-842-5285  
 RELIANCE LABORATORIES INC  
 PO BOX 4657  
 2044 MEADOWBROOK RD  
 BRIDGEPORT WV 26330

SHIP TO

ENVIRONMENTAL PROTECTION  
 DEPT. OF  
 OFFICE OF MINING & RECLAMATION  
 601 57TH STREET SE  
 CHARLESTON, WV  
 25304      304-926-0499

DATE PRINTED
03/20/2013

BID OPENING DATE: 04/04/2013      BID OPENING TIME: 1:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 3						
1. ADDENDUM ISSUED TO PROVIDE TECHNICAL QUESTIONS AND ANSWERS AS ATTACHED.						
2. TO EXTEND DEADLINE FOR SUBMISSION OF ADDITIONAL TECHNICAL QUESTIONS UNTIL MARCH 22, 2013.						
3. TO PROVIDE HIPAA VERBIAGE AS AN ADDITIONAL LANGUAGE OF THE MASTER TERMS AND CONDITIONS.						
4. THE BID OPENING DATE AND TIME REMAIN UNCHANGED.						
5. TO PROVIDE ADDENDUM ACKNOWLEDGEMENT. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN THE DISQUALIFICATION OF YOUR BID.						
***** END OF ADDENDUM NO. 3 *****						

SIGNATURE <i>Lay Mills</i>	TELEPHONE 304-842-5285	DATE 4/3/13
TITLE President	FEIN 55-0580040	ADDRESS CHANGES TO BE NOTED ABOVE

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





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

**Solicitation**

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ADDRESS CORRESPONDENCE TO ATTENTION OF
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304-558-2316

P O BOX

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 BRIDGEPORT WV 26330

S H I P T O

ENVIRONMENTAL PROTECTION  
 DEPT. OF  
 OFFICE OF MINING & RECLAMATION  
 601 57TH STREET SE  
 CHARLESTON, WV  
 25304      304-926-0499

DATE PRINTED
03/20/2013

BID OPENING DATE:

04/04/2013

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		961-48		
WATER SAMPLING 250 LOCATIONS THROUGHOUT COAL REGIONS						
***** THIS IS THE END OF RFQ DEP16028 ***** TOTAL:						\$420,000.00

SIGNATURE <i>[Signature]</i>	TELEPHONE 304-842-5285	DATE 4/3/13
TITLE President	FEIN 55-0580040	ADDRESS CHANGES TO BE NOTED ABOVE

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



State of West Virginia  
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 OFFICE OF MINING & RECLAMATION  
 601 57TH STREET SE  
 CHARLESTON, WV  
 25304      304-926-0499

DATE PRINTED
03/08/2013

BID OPENING DATE: 04/04/2013      BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 02		
				1. ADDENDUM ISSUED TO MOVE THE BID OPENING DATE FROM: MARCH 14, 2013 TO: APRIL 4, 2013 THE BID OPENING TIME @ 1:30 P.M. REMAINS UNCHANGED.		
				2. TO PROVIDE ADDENDUM ACKNOWLEDGEMENT, THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN THE DISQUALIFICATION OF YOUR BID.		
				***** END OF ADDENDUM NO. 02 *****		

SIGNATURE <i>Ley Miller</i>	TELEPHONE 304-842-5285	DATE 4/3/2013
TITLE President	FEIN 55-0580040	ADDRESS CHANGES TO BE NOTED ABOVE

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



State of West Virginia  
 Department of Administration  
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 2019 Washington Street East  
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ENVIRONMENTAL PROTECTION  
 DEPT. OF  
 OFFICE OF MINING & RECLAMATION  
 601 57TH STREET SE  
 CHARLESTON, WV  
 25304      304-926-0499

DATE PRINTED
02/22/2013

BID OPENING DATE:

03/14/2013

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO.01		
				1. ADDENDUM ISSUED TO MOVE THE BID OPENING DATE FROM: 02/26/2013 TO: 03/14/2013 BID OPENING TIME @ 1:30 P.M. REMAINED UNCHANGED.		
				2. TO PROVIDE ADDENDUM ACKNOWLEDGEMENT. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN THE DISQUALIFICATION OF YOUR BID.		
				***** END OF ADDENDUM NO. 01 *****		

SIGNATURE <i>Ley Mills</i>	TELEPHONE 304 842-5285	DATE 4/3/2013
TITLE President	FEIN 55-0580040	ADDRESS CHANGES TO BE NOTED ABOVE

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

Attachment I

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

List of Certified Parameters  
for

**RELIANCE LABORATORIES - BRIDGEPORT**  
**BRIDGEPORT, WEST VIRGINIA**

PARAMETERS CERTIFIED

NONPOTABLE WATER INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Acidity	SM19th2310 B	Titrimetric
Alkalinity	SM19th2320 B	Titrimetric
Ammonia	ASTM D6919-03	IC
Ammonia	SM19th4500-NH3 B	Distillation
Ammonia	SM19th4500-NH3 C	Titrimetric
Bromide	EPA300.0 Rev 2.1-1993	IC
Carbon, Total Organic (TOC)	SM19th5310 C	Oxidation
Chloride	EPA300.0 Rev 2.1-1993	IC
Chloride	SM19th4500-Cl B	Titrimetric
Chlorine, Residual	SM19th4500-Cl G	Spectrophotometric
Color	SM19th2120 B	Visual Comparison
Conductance, Specific	EPA120.1 Rev 1982	Probe
Cyanide	SM19th4500-CN C	Distillation
Cyanide, Amenable to Chlorination	SM19th4500-CN G	Spectrophotometric
Cyanide, Total	SM19th4500-CN D	Titrimetric
Fluoride	EPA300.0 Rev 2.1-1993	IC
Hardness, Calcium	SM19th2340 B	Calculation
Hardness, Total	SM19th2340 C	Titrimetric
Hardness, Total	SM19th2340 B	Calculation
Nitrate	EPA300.0 Rev 2.1-1993	IC
Nitrate-Nitrite	EPA300.0 Rev 2.1-1993	Calculation
Nitrite	EPA300.0 Rev 2.1-1993	IC
Nitrogen, Total Kjeldahl (TKN)	SM19th4500-NH3 B	Distillation
Nitrogen, Total Kjeldahl (TKN)	SM19th4500-NH3 C	Titrimetric
Nitrogen, Total Kjeldahl (TKN)	SM19th4500-Norg B	Digestion
Oil & Grease	EPA1664 A	Gravimetric
Oxygen Demand, Biochemical (BOD)	SM19th5210 B	Probe
Oxygen Demand, Chemical (COD)	EPA410.4 Rev 2.0-1993	Spectrophotometric
Oxygen, Dissolved	SM19th4500-O G	Probe
pH (Hydrogen Ion)	SM19th4500-H B	Electrode
Phenolics, Total	EPA420.1 Rev 1978	Distillation
Phenolics, Total	EPA420.1 Rev 1978	Spectrophotometric

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Phosphorus, Ortho	EPA300.0 Rev 2.1-1993	IC
Phosphorus, Total	HACH 10210	Spectrophotometric
Phosphorus, Total	SM19th4500-P B.5	Digestion
Phosphorus, Total	SM19th4500-P E	Spectrophotometric
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	ASTM D516-02	Turbidimetric
Sulfate	EPA300.0 Rev 2.1-1993	IC
Sulfide	SM19th4500-S F	Titrimetric
Surfactants (MBAS)	SM19th5540 C	Spectrophotometric
Temperature	SM19th2550 B	Thermometric
Turbidity	SM19th2130 B	Turbidimetric

NONPOTABLE WATER TRACE METALS

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Aluminum	EPA200.7 Rev 4.4-1994	ICP
Aluminum	EPA200.8 Rev 5.4-1994	ICP-MS
Antimony	EPA200.7 Rev 4.4-1994	ICP
Antimony	EPA200.8 Rev 5.4-1994	ICP-MS
Arsenic	EPA200.7 Rev 4.4-1994	ICP
Arsenic	EPA200.8 Rev 5.4-1994	ICP-MS
Barium	EPA200.7 Rev 4.4-1994	ICP
Barium	EPA200.8 Rev 5.4-1994	ICP-MS
Beryllium	EPA200.7 Rev 4.4-1994	ICP
Beryllium	EPA200.8 Rev 5.4-1994	ICP-MS
Boron	EPA200.7 Rev 4.4-1994	ICP
Boron	EPA200.8 Rev 5.4-1994	ICP-MS
Cadmium	EPA200.7 Rev 4.4-1994	ICP
Cadmium	EPA200.8 Rev 5.4-1994	ICP-MS
Calcium	EPA200.7 Rev 4.4-1994	ICP
Calcium	EPA200.8 Rev 5.4-1994	ICP-MS
Chromium	EPA200.7 Rev 4.4-1994	ICP
Chromium	EPA200.8 Rev 5.4-1994	ICP-MS
Chromium, Hexavalent	SM19th3500-Cr D	Spectrophotometric
Cobalt	EPA200.7 Rev 4.4-1994	ICP
Cobalt	EPA200.8 Rev 5.4-1994	ICP-MS
Copper	EPA200.7 Rev 4.4-1994	ICP
Copper	EPA200.8 Rev 5.4-1994	ICP-MS
Iron	EPA200.7 Rev 4.4-1994	ICP
Iron	EPA200.8 Rev 5.4-1994	ICP-MS
Lead	EPA200.7 Rev 4.4-1994	ICP
Lead	EPA200.8 Rev 5.4-1994	ICP-MS
Magnesium	EPA200.7 Rev 4.4-1994	ICP
Magnesium	EPA200.8 Rev 5.4-1994	ICP-MS
Manganese	EPA200.7 Rev 4.4-1994	ICP

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Manganese	EPA200.8 Rev 5.4-1994	ICP-MS
Mercury	EPA200.8 Rev 5.4-1994	ICP-MS
Mercury	EPA245.1 Rev 3.0-1994	CVAA
Metals, Total	EPA200.7 Rev 4.4-1994	Digestion
Metals, Total	EPA200.8 Rev 5.4-1994	Digestion
Molybdenum	EPA200.7 Rev 4.4-1994	ICP
Nickel	EPA200.7 Rev 4.4-1994	ICP
Nickel	EPA200.8 Rev 5.4-1994	ICP-MS
Potassium	EPA200.7 Rev 4.4-1994	ICP
Potassium	EPA200.8 Rev 5.4-1994	ICP-MS
Selenium	EPA200.7 Rev 4.4-1994	ICP
Selenium	EPA200.8 Rev 5.4-1994	ICP-MS
Silicon	EPA200.7 Rev 4.4-1994	ICP
Silver	EPA200.7 Rev 4.4-1994	ICP
Silver	EPA200.8 Rev 5.4-1994	ICP-MS
Sodium	EPA200.7 Rev 4.4-1994	ICP
Sodium	EPA200.8 Rev 5.4-1994	ICP-MS
Strontium	EPA200.8 Rev 5.4-1994	ICP-MS
Thallium	EPA200.7 Rev 4.4-1994	ICP
Thallium	EPA200.8 Rev 5.4-1994	ICP-MS
Tin	EPA200.7 Rev 4.4-1994	ICP
Tin	EPA200.8 Rev 5.4-1994	ICP-MS
Vanadium	EPA200.7 Rev 4.4-1994	ICP
Vanadium	EPA200.8 Rev 5.4-1994	ICP-MS
Zinc	EPA200.7 Rev 4.4-1994	ICP
Zinc	EPA200.8 Rev 5.4-1994	ICP-MS

#### NONPOTABLE WATER MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Coliform, Fecal (MF)	SM19th9222 D	Membrane Filter
Heterotrophic Plate Count (HPC)	SM19th9215 B	Pour Plate

#### NONPOTABLE WATER VOLATILE ORGANIC CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Closed System Purge & Trap	SW5035	Extraction
Halogenated & Aromatic Volatiles	SW8021B	GC
Purge & Trap For Aqueous Samples	SW5030B	Extraction
Total Petroleum Hydrocarbons (GRO)	SW8015B	GC/FID
Volatile Organic Compounds	SW8260B	GC/MS

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

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Semivolatile Organic Compounds	SW8270D	GC/MS
Separatory Funnel Liquid-Liquid	SW3510C	Extraction

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

### HAZARDOUS WASTE CHARACTERISTICS

<u>PROCEDURE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Corrosivity	SW9040C	Electrode
Ignitability	SW1010A	Closed Cup
Paint Filter Test	SW9095B	Gravimetric
TCLP- Metals & Organics	SW1311	Extraction

### SOLID AND CHEMICAL INORGANIC NONMETALS

<u>ANALYTE</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Ammonia	SM19th4500-NH3 B	Distillation
Ammonia	SM19th4500-NH3 C	Titrimetric
Cyanide, Total	SW9213	ISE
Nitrogen, Total Kjeldahl (TKN)	SM18th4500-Norg B	Digestion
Nitrogen, Total Kjeldahl (TKN)	SM19th4500-NH3 B	Distillation
Nitrogen, Total Kjeldahl (TKN)	SM19th4500-NH3 C	Titrimetric
pH (Hydrogen Ion)	SW9045D	Electrode
Phosphorus, Total	SM19th4500-P B.5	Digestion
Phosphorus, Total	SM19th4500-P E	Spectrophotometric
Solids, Total, Fixed, & Volatile	SM19th2540 G	Gravimetric

### 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
Mercury	SW7471A	CVAA
Metals, Total	SW3050B	Digestion
Molybdenum	SW6010C	ICP
Nickel	SW6010C	ICP

<u>METAL</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Potassium	SW6010C	ICP
Selenium	SW6010C	ICP
Silver	SW6010C	ICP
Sodium	SW6010C	ICP
Thallium	SW6010C	ICP
Vanadium	SW6010C	ICP
Zinc	SW6010C	ICP

SOLID AND CHEMICAL MICROBIOLOGY

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Coliform, Fecal (MF)	SM19th9222 D	Membrane Filter

SOLID AND CHEMICAL VOLATILE ORGANIC CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Closed System Purge & Trap	SW5035	Extraction
Halogenated & Aromatic Volatiles	SW8021B	GC
Total Petroleum Hydrocarbons (GRO)	SW8015B	GC/FID

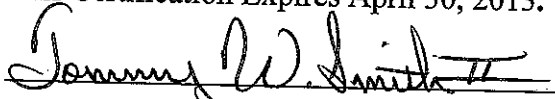
SOLID AND CHEMICAL EXTRACTABLE AND SEMI-VOLATILE ORGANIC CHEMICALS

<u>GROUP</u>	<u>METHOD</u>	<u>TECHNOLOGY</u>
Semivolatile Organic Compounds	SW8270D	GC/MS
Total Petroleum Hydrocarbons (DRO)	SW8015B	GC/FID
Ultrasonic	SW3550C	Extraction

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

This Certification Expires April 30, 2013.

Certificate No 158

 Issued on February 04, 2013

Tommy W. Smith, II  
Quality Assurance Officer