

Request for Proposal
Groundwater Monitoring Services at
29 Facilities Managed within the
Landfill Closure Assistance Program
RFQ # DEP15657

Prepared for:

Department of Administration
Purchasing Division
Building 15
2019 Washington Street, East
Charleston, West Virginia 25305-0130

Prepared by:

ENGINEERING & TESTING 2000, INC.
292 Oak Carriage Drive
Whitlock Industrial Park
P.O. Box 1149
Lewisburg, West Virginia 24901
(304) 645-4056

Proposal Deadline:
May 10, 2012
1:30 PM

RECEIVED
2012 MAY 10 PM 12:55
WV PURCHASING
DIVISION

 ENGINEERING & TESTING 2000, INC.
CONSULTING ENGINEERS, SURVEYORS
& MATERIALS TESTING
292 OAK CARRIAGE DR.
WHITLOCK INDUSTRIAL PARK
P.O. BOX 1149
LEWISBURG, WV 24901
PHONE: (304) 645-4056
FAX: (304) 645-4489
May 9, 2012

Department of Administration
Purchasing Division
Building 15
2019 Washington Street, East
Charleston, West Virginia 25305

RE: Request for Quotation for
Groundwater Monitoring Services

Dear Sirs:

Engineering & Testing 2000, Inc., (ET-2), is pleased to provide the West Virginia Purchasing Division with the following Proposal for the above-referenced services. ET-2 is a multi-discipline Engineering firm located in Lewisburg, West Virginia. Our team has completed numerous projects of this magnitude and we fully understand the scope of services required for all testing and analysis to be in compliance with WV Appendix I Parameters using EPA approved methods per the requirements of Title 33, Series 1, Solid Waste Management Rule. This Proposal is being provided in response to Request for Quotation as posted in the West Virginia Purchasing Bulletin. The Cost for the Proposal is contained herein.

ET-2 currently holds the contracts for Groundwater and Leachate Sampling and Analysis for the Greenbrier County Landfill located in Lewisburg (Monthly, Semi-Annual and Annual Sampling, Testing and Reporting), H.A.M. Landfill in Peterstown (Semi-Annual and Annual Sampling, Testing and Reporting), and Pocahontas County Landfill in Marlinton (Semi-Annual and Annual Sampling, Testing and Reporting). Our Professional Engineer and President, Mr. William L. Toney, Jr., has actively engaged in Landfill Engineering, Groundwater and Leachate Monitoring Parameters in excess of 25 years. Additionally, Mr. Toney is a WV DEP Licensed Monitoring Well Installer and understands all aspects of the Monitoring methodology starting with the initial Well Installation throughout the sampling and analysis process.

Within the scope of his of experience, Mr. Toney has developed a Spreadsheet unique to our firm for reporting Groundwater Sampling Analysis Results that also calculates the Means, Standard Deviation and Statistical Significance of sample results over a period of several decades. This self-developed application is in use by other landfills in the State of WV and is readily accepted within the reporting requirements of the West Virginia Department of Environmental Protection.

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For your review, we have attached a Sample Copy of the "Statistical Analysis Spreadsheet" utilizing the application. It depicts four (4) monitoring wells and their statistical analysis results for all WV Appendix I Parameters, Group A *In-Organics* and Group B *Volatile Organic Compounds* "VOCs" (which includes dissolved metals and turbidity), Field Temperature, Depth to Water and Hardness. This "Statistical Analysis Spreadsheet" Sample is attached hereto in Appendix A.

We understand the 33CSR1 Section 4.11 reporting requirement of the Proposal and would provide the data in that format as well as the Statistical Analysis Spreadsheet unique to our firm at no additional cost. In our opinion this Spreadsheet eases the interpretative analysis process in identifying deviations and significant reporting levels over extended periods of time.

In addition to the Groundwater Sampling and Analysis Services provided for Greenbrier County Landfill, Pocahontas County Landfill, and H.A.M. Sanitary Landfill, ET-2 has extensive experience in other aspects of Landfill-related engineering. ET-2 acquired Part 1 and Part 2 Landfill Operating Permits from the WV DEP for Greenbrier County Landfill. ET-2 also designed waste disposal cells, performed the inspections, monitored the construction of the waste cell areas and provided ongoing survey control. ET-2 has provided similar engineering services, including Permitting, Surveying and Inspections for H.A.M. Sanitary Landfill as well.

With experience spanning more than 20 years and pre-dating his formation of ET-2, Mr. Toney, (during his tenure at Joyce Engineering, Inc.) was responsible for managing the siting, designing, and permitting of solid waste facilities in both West Virginia and Virginia. He was solely responsible for developing siting criteria feasibility reports and engineering cost analysis for numerous solid waste projects. Mr. Toney's other duties included the preparation of plans and specifications, statistical analysis of groundwater, and determination of costs associated with solid waste facilities.

Finally, Mr. Toney is a published authority including the articles, "How to Monitor Groundwater at a Municipal Solid Waste Facility," Public Works (Aug. 1989), and "Calculation of the Real Cost of Waste Disposal," presented to the West Virginia Solid Waste Management Board in May 1989. Mr. Toney is also a member of the Fayette County Solid Waste Authority and has held that position for 14 consecutive years. Mr. Toney has performed multiple pro bono engineering and asbestos-related services for his native-Fayette and surrounding counties.

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We feel that our close proximity to the site locations factored with Mr. Toney's extensive knowledge and experience in this realm make Engineering and Testing 2000, Inc. the premier choice of firms for this project. ET-2's overall cost effectiveness and exemplary services provide for an unparalleled standard of analysis and reporting. Please let us know if you have any questions after having reviewed our Proposal. We hope we may be of service to you on this and any future endeavors.

Sincerely,

ENGINEERING & TESTING 2000, INC.

A handwritten signature in black ink that reads "William L. Toney, Jr." with a stylized flourish at the end.

William L. Toney, Jr., P.E.
Professional Engineer / President

WLT/akb
Enclosure



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

DEP15657

PAGE

1

ADDRESS CORRESPONDENCE TO ATTENTION OF:

GUY NISBET

304-558-8802

RFQ COPY

TYPE NAME/ADDRESS HERE

Engineering & Testing 2000, Inc.
292 Oak Carriage Drive
P.O. Box 1149
Lewisburg, WV 24901

ENVIRONMENTAL PROTECTION

DEPARTMENT OF

VARIOUS LOCALES AS INDICATED

BY ORDER

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS		
03/28/2012						
BID OPENING DATE: 04/26/2012		BID OPENING TIME 01:30PM				
LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		493-96	\$244.36	\$36,165.00
WATER QUALITY MONITORING						
REQUEST FOR QUOTATION						
THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING BIDS FROM QUALIFIED VENDORS TO PROVIDE GROUNDWATER MONITORING SERVICES AT TWENTY-NINE (29) FACILITIES MANAGED WITHIN THE LANDFILL CLOSURE ASSISTANCE PROGRAM (LCAP) IN WEST VIRGINIA, WHICH INCLUDES ONE HUNDRED FOURTY EIGHT (148) GROUNDWATER MONITORING WELLS, PER THE ATTACHED SPECIFICATIONS, TERMS & CONDITIONS, BID REQUIREMENTS, AND THE ATTACHED BID SCHEDULE.						
IT IS THE AGENCY'S INTENTION TO RENEW THIS CONTRACT FOR TWO (2) ONE-YEAR RENEWAL PERIODS. THE QUANTITIES LISTED ARE CONSTANT FOR THE FIRST YEAR; HOWEVER, IT IS POSSIBLE THAT AT SOMETIME DURING THE RENEWAL PERIODS ADDITIONAL FIELD SERVICE SITES MAY BE ADDED OR SOME PRESENT FIELD SERVICE SITES ELIMINATED. THEREFORE, THE UNIT PRICES QUOTED WILL PREVAIL, THUS ALTERING THE TOTAL PROJECT COST FOR THE RENEWAL PERIODS FROM THAT OF THE ORIGINAL CONTRACT YEAR. THIS POTENTIAL QUANTITY CHANGE WILL BE ADDRESSED BY CHANGE ORDERS.						
EXHIBIT 3						
LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON AWARD..... AND EXTENDS FOR A PERIOD OF ONE (1						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE <i>W. L. Tongue</i>		TELEPHONE 304-573-6316		DATE 5-9-2012		
TITLE President		FERN 55-0757395		ADDRESS CHANGES TO BE NOTED ABOVE		

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



State of West Virginia
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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. UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT BY THE STATE OF WEST VIRGINIA, ITS AGENCIES, OR POLITICAL SUBDIVISIONS, THE TERMS, CONDITIONS, AND PRICING SET FORTH HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT. 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. 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. 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.)						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE <i>W.L. Taylor</i>				TELEPHONE 304 573-6316	DATE 5-9-2012	
TITLE President		FEIN 55-0757395		ADDRESS CHANGES TO BE NOTED ABOVE		

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BID OPENING DATE: 04/26/2012		BID OPENING TIME 01:30PM				
LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
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. 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. 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. REV. 01/17/2012 NOTICE A SIGNED BID MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE <i>W.L. T...</i>		TELEPHONE 304-573-6316		DATE 5-9-2012		
TITLE President		FEIN 55-0757395		ADDRESS CHANGES TO BE NOTED ABOVE		

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304-558-8802

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TYPE NAME/ADDRESS HERE

VENDOR

Engineering + Testing 2000, Inc.
292 Oak Carriage Drive
P.O. Box 1149
Lewisburg, WV 24901

SHIP TO

ENVIRONMENTAL PROTECTION
DEPARTMENT OF
VARIOUS LOCALES AS INDICATED
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DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/28/2012				

BID OPENING DATE:

04/26/2012

BID OPENING TIME

01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
BUYER: GN-23						
RFQ. NO.: DEP15657						
BID OPENING DATE:-----4/26/2012-----						
BID OPENING TIME:-----1:30PM-----						
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 304-645-4489						
CONTACT PERSON (PLEASE PRINT CLEARLY): Amanda Brewer						
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.						
***** THIS IS THE END OF RFQ DEP15657 ***** TOTAL:						\$36,165.00

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>at L. Tong</i>	TELEPHONE 304-573-6316	DATE 5-9-2012
TITLE President	FEIN 55-0757395	ADDRESS CHANGES TO BE NOTED ABOVE

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

Ground Water Monitoring For LCAP

DEP

Contractor's Bid Sheet-Appendix A

Vendors Name: Engineering & Testing 2000, Inc.

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

[illegible]



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04/11/2012						
BID OPENING DATE: 04/26/2012		BID OPENING TIME 01:30PM				
LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
ADDENDUM ISSUED TO DISTRIBUTE Q&A'S AND A REVISED VENDOR BID SHEET. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED						
BID OPENING DATE REMAINS UNCHANGED AT: 04/26/2012 AT 1:30 PM						
EXHIBIT 10						
REQUISITION NO.: DEP15657						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO.'S:						
NO. 1 ☒						
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						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE <i>W. L. T. Toney</i>				TELEPHONE 304-573-6316	DATE 5-9-2012	
TITLE President				FEIN 55-0757395		
ADDRESS CHANGES TO BE NOTED ABOVE						



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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.						
..... SIGNATURE Engineering + Testing 2000, Inc. COMPANY 5-9-2012 DATE						
NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.						
REV. 09/21/2009						
0001	1	JB		493-96	\$ 244.36	\$ 36,165.00
WATER QUALITY MONITORING						
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE <i>W.C. Tangle</i>				TELEPHONE 304-573-6316	DATE 5-9-2012	
TITLE President				FEIN 55-0757395	ADDRESS CHANGES TO BE NOTED ABOVE	



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Department of Administration
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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
***** THIS IS THE END OF RFQ DEP15657 ***** TOTAL:						\$36,165.00
SEE REVERSE SIDE FOR TERMS AND CONDITIONS						
SIGNATURE <i>[Signature]</i>				TELEPHONE 304-573-6316	DATE 5-9-2012	
TITLE President				FEIN 55-0757395	ADDRESS CHANGES TO BE NOTED ABOVE	

Rev. 09/08

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: Engineering + Testing 2000, Inc. Signed: W. T. Torg
 Date: 5-9-2012 Title: President

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

RFQ No. DEP 15657STATE 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 SIGNATUREVendor's Name: Engineering + Testing 2000, Inc.Authorized Signature: [Signature] Date: 5/9/12State of West VirginiaCounty of Greenbrier, to-wit:Taken, subscribed, and sworn to before me this 9th day of May, 2012My Commission expires November 8, 2020

AFFIX SEAL HERE

NOTARY PUBLIC

Crystal D. Dale

OFFICIAL SEAL
STATE OF WV
COMMISSIONER OF WV
CRYSTAL D. DALE
SINKS GROVE, WV
COMMISSION EXPIRES NOV. 8, 2020

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

ENGINEERING & TESTING 2000, INC.

C01051-00

Engineer in Responsible Charge: WILLIAM TONEY - WV PE 011844

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

July 1, 2011 – June 30, 2012

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL, AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT

**WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION
CERTIFICATE**

**ISSUED TO:
ENGINEERING & TESTING 2000 INC
292 OAK CARRIAGE DR
LEWISBURG, WV 24901-9645**

BUSINESS REGISTRATION ACCOUNT NUMBER: 1044-9656

This certificate is issued on: 07/5/2011

*This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code*

*The person or organization identified on this certificate is registered
to conduct business in the State of West Virginia at the location above.*

*This certificate is not transferrable and must be displayed at the location for which issued.
This certificate shall be permanent until cessation of the business for which the certificate of registration
was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.*

*Change in name or change of location shall be considered a cessation of the business and a new
certificate shall be required.*

*TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them.
CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of
this certificate displayed at every job site within West Virginia.*



West Virginia State Board of Registration
for Professional Engineers

WILLIAM L TONEY JR
WV PE # 011844

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES JUNE 30, 2012

Client#: 720196

18ENGINTES

ACORD

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

4/20/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER BB&T-Carson Insurance Services 601 Tennessee Avenue Charleston, WV 25302 304 346-0806	CONTACT NAME: Dawn Canterbury PHONE (A/C, No, Ext): 304 340-6960 FAX (A/C, No): 8887513002 E-MAIL: dcanterbury@bbandt.com ADDRESS: dcanterbury@bbandt.com
INSURED Engineering & Testing 2000 Inc P O Box 1149 Lewisburg, WV 24901	INSURER(S) AFFORDING COVERAGE INSURER A: Hartford Casualty Insurance Com 29424 INSURER B: Hartford Ins Co of the Midwest 37478 INSURER C: Hartford Underwriters Insurance 30104 INSURER D: INSURER E: INSURER F:

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC		14SBAAU1880S	04/01/2012	04/01/2013	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Per occurrence) \$300,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000
C	AUTOMOBILE LIABILITY ☒ ANY AUTO ☒ ALL OWNED AUTOS ☒ HIRED AUTOS ☐ SCHEDULED AUTOS ☒ NON-OWNED AUTOS		14UECUB9939S	04/01/2012	04/01/2013	COMBINED SINGLE LIMIT (Per accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	☒ UMBRELLA LIAB ☒ OCCUR EXCESS LIAB CLAIMS-MADE DED ☒ RETENTION \$10000		14SBAAU1880S	04/01/2012	04/01/2013	EACH OCCURRENCE \$1,000,000 AGGREGATE \$1,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ Y ☒ N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	14WECIW2445 Extended Liability (2)(ii)	04/01/2012	04/01/2013	☒ WC STATUTORY LIMITS ☐ OTHER E.L. EACH ACCIDENT \$1,000,000 E.I. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000

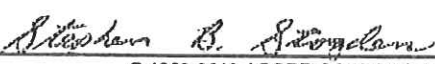
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

** Workers Comp Information **

Other States Coverage

WV Deliberate Intent Coverage Endorsement WV Form# WC990382

EVIDENCE OF COVERAGE

CERTIFICATE HOLDER Engineering & Testing 2000 Inc P O Box 1149 Lewisburg, WV 24901	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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ACORD 25 (2010/05)

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STATISTICAL ANALYSIS

Parameter	2010			2011				Means	Standard Deviation	Statistical Significant
	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
Acidity (mg/L)										
MW-3RR	0.20	13-Oct	0.20	14-Apr	0.20	6-Oct	0.20	0.4091	0.6768	NO
MW-4	0.20	13-Oct	0.20	14-Apr	0.20	6-Oct	0.20	2.4259	10.0281	NO
MW-1R	0.20	13-Oct	0.20	14-Apr	0.20	6-Oct	0.20	0.5120	0.6679	NO
MW-2R	0.20	13-Oct	0.20	14-Apr	0.20	6-Oct	0.20	0.5185	0.6516	
Aluminum (mg/L)										
MW-3RR	0.1050	13-Oct	0.0039	14-Apr	0.0471	6-Oct	0.0475	0.6730	1.2413	NO
MW-4	0.0313	13-Oct	0.0076	14-Apr	0.0360	6-Oct	0.0494	0.1464	0.1380	NO
MW-1R	0.0441	13-Oct	0.0034	14-Apr	0.1630	6-Oct	0.0501	13.3630	37.9885	NO
MW-2R	0.0213	13-Oct	0.0040	14-Apr	14.6000	6-Oct	2.6400	5.8998	9.3858	
Alkalinity (mg/L)										
MW-3RR	327	13-Oct	300	14-Apr	245	6-Oct	380	283.3905	88.4262	NO
MW-4	284	13-Oct	238	14-Apr	256	6-Oct	314	291.6215	87.9554	NO
MW-1R	219	13-Oct	230	14-Apr	247	6-Oct	221	212.5869	54.9704	NO
MW-2R	300	13-Oct	293	14-Apr	269	6-Oct	314	258.9470	91.3351	
Ammonia Nitrogen (mg/L)										
MW-3RR	0.21	13-Oct	0.03	14-Apr	0.11	6-Oct	0.03	0.1545	0.1884	NO
MW-4	0.08	13-Oct	0.03	14-Apr	0.04	6-Oct	0.03	0.2596	0.3433	NO
MW-1R	0.11	13-Oct	0.03	14-Apr	0.03	6-Oct	0.03	0.2923	0.3624	NO
MW-2R	0.22	13-Oct	0.03	14-Apr	0.07	6-Oct	0.03	0.2822	0.3481	
Antimony (mg/L)										
MW-3RR	0.000572	13-Oct	0.000572	14-Apr	0.000572	6-Oct	0.000572	0.0022	0.0022	NO
MW-4	0.000572	13-Oct	0.000572	14-Apr	0.000572	6-Oct	0.000572	0.0029	0.0023	NO
MW-1R	0.000572	13-Oct	0.000572	14-Apr	0.000572	6-Oct	0.000572	0.0026	0.0022	NO
MW-2R	0.000572	13-Oct	0.000572	14-Apr	0.002860	6-Oct	0.000572	0.0028	0.0022	
Arsenic (mg/L)										
MW-3RR	0.000240	13-Oct	0.000140	14-Apr	0.000140	6-Oct	0.000304	0.0025	0.0027	NO
MW-4	0.000140	13-Oct	0.000140	14-Apr	0.000140	6-Oct	0.000140	0.0042	0.0038	NO
MW-1R	0.00284	13-Oct	0.001240	14-Apr	0.00246	6-Oct	0.003220	0.0062	0.0066	NO
MW-2R	0.000490	13-Oct	0.000140	14-Apr	0.008000	6-Oct	0.001780	0.0048	0.0036	
Barium (mg/L)										

STATISTICAL ANALYSIS

		2010		2011						
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result	Means	Standard Deviation	Statistical Significant
MW-3RR	0.272	13-Oct	0.266	14-Apr	0.228	6-Oct	0.251	0.2982	0.0562	NO
MW-4	0.158	13-Oct	0.168	14-Apr	0.172	6-Oct	0.169	0.2061	0.0418	NO
MW-1R	0.143	13-Oct	0.122	14-Apr	0.139	6-Oct	0.144	0.4594	0.9389	NO
MW-2R	0.087	13-Oct	0.0935	14-Apr	0.191	6-Oct	0.124	0.1941	0.1547	
Beryllium (mg/L)										
MW-3RR	0.000248	13-Oct	0.000248	14-Apr	0.000248	6-Oct	0.000015	0.0005	0.0004	NO
MW-4	0.000248	13-Oct	0.000248	14-Apr	0.000248	6-Oct	0.000015	0.0012	0.0014	NO
MW-1R	0.000248	13-Oct	0.000248	14-Apr	0.000248	6-Oct	0.000015	0.0044	0.0175	NO
MW-2R	0.000248	13-Oct	0.000248	14-Apr	0.00124	6-Oct	0.000029	0.0012	0.0014	
Bicarbonates (mg/L)										
MW-3RR	327	13-Oct	300	14-Apr	245	6-Oct	380	245.9791	125.7391	NO
MW-4	284	13-Oct	238	14-Apr	256	6-Oct	314	271.0367	115.7914	NO
MW-1R	219	13-Oct	230	14-Apr	247	6-Oct	221	191.4231	85.1923	NO
MW-2R	300	13-Oct	293	14-Apr	269	6-Oct	314	242.5778	107.6707	

STATISTICAL ANALYSIS

2010			2011							
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result	Means	Standard Deviation	Statistical Significant
BOD-5 day (mg/L)										
MW-3RR	0.2	13-Oct	0.7	14-Apr	0.36	6-Oct	0.64	1.7255	2.9842	NO
MW-4	0.2	13-Oct	1.05	14-Apr	0.55	6-Oct	0.79	2.6948	4.7186	NO
MW-1R	0.2	13-Oct	1.12	14-Apr	0.7	6-Oct	1.63	2.6869	5.0983	NO
MW-2R	0.20	13-Oct	1.21	14-Apr	0.37	6-Oct	3.25	2.5548	4.1782	
Boron (mg/L)										
MW-3RR	0.0204	13-Oct	0.0168	14-Apr	0.0185	6-Oct	0.0152	1.1304	4.5773	NO
MW-4	0.036	13-Oct	0.0368	14-Apr	0.0352	6-Oct	0.0414	1.4587	6.5391	NO
MW-1R	0.0398	13-Oct	0.0396	14-Apr	0.0382	6-Oct	0.0427	3.0788	10.4810	NO
MW-2R	0.0139	13-Oct	0.0164	14-Apr	0.0365	6-Oct	0.01470	1.1469	3.9185	
Cadmium (mg/L)										
MW-3RR	0.000194	13-Oct	0.000194	14-Apr	0.000194	6-Oct	0.000194	0.0005	0.0004	NO
MW-4	0.000194	13-Oct	0.000194	14-Apr	0.000194	6-Oct	0.000194	0.0034	0.0136	NO
MW-1R	0.000334	13-Oct	0.00022	14-Apr	0.000194	6-Oct	0.000508	0.0021	0.0041	NO
MW-2R	0.000194	13-Oct	0.000194	14-Apr	0.00097	6-Oct	0.000332	0.0018	0.0042	
Calcium (mg/L)										
MW-3RR	112	13-Oct	112	14-Apr	93.6	6-Oct	153	110.5695	17.5696	NO
MW-4	102	13-Oct	116	14-Apr	118	6-Oct	134	101.9915	22.7973	NO
MW-1R	48.2	13-Oct	43.8	14-Apr	41.8	6-Oct	52.4	71.4135	72.1599	NO
MW-2R	90.8	13-Oct	69.2	14-Apr	75	6-Oct	79.6	70.7874	10.7743	
Chlorides (mg/L)										
MW-3RR	13.8	13-Oct	16	14-Apr	14.1	6-Oct	18.7	20.6173	9.0820	NO
MW-4	14.4	13-Oct	21.8	14-Apr	20.5	6-Oct	20.6	17.1933	2.8998	NO
MW-1R	4.25	13-Oct	4.75	14-Apr	4.52	6-Oct	5.92	6.4200	4.3273	NO
MW-2R	36.8	13-Oct	26.6	14-Apr	35.2	6-Oct	28.1	20.9411	7.4987	
Chromium (mg/L)										
MW-3RR	0.000574	13-Oct	0.000432	14-Apr	0.000304	6-Oct	0.000622	0.0021	0.0020	NO
MW-4	0.000412	13-Oct	0.000538	14-Apr	0.000304	6-Oct	0.000868	0.0033	0.0036	NO
MW-1R	0.000546	13-Oct	0.000742	14-Apr	0.000378	6-Oct	0.000822	0.0125	0.0354	NO
MW-2R	0.000438	13-Oct	0.000488	14-Apr	0.018100	6-Oct	0.003080	0.0074	0.0088	
Chromium VI (mg/L)										
MW-3RR		13-Oct		14-Apr		6-Oct		0.0059	0.0054	NO

STATISTICAL ANALYSIS

		2010		2011						
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result	Means	Standard Deviation	Statistical Significant
MW-4		13-Oct		14-Apr		6-Oct		0.0060	0.0032	NO
MW-1R		13-Oct		14-Apr		6-Oct		0.0067	0.0032	NO
MW-2R		13-Oct		14-Apr		6-Oct		0.0075	0.0038	

STATISTICAL ANALYSIS

Parameter	2010			2011				Means	Standard Deviation	Statistical Significant
	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
Cobalt (mg/L)										
MW-3RR	0.000266	13-Oct	0.000338	14-Apr	0.000139	6-Oct	0.000234	0.1278	0.5665	NO
MW-4	0.000126	13-Oct	0.000192	14-Apr	0.000124	6-Oct	0.000208	0.0232	0.0389	NO
MW-1R	0.000178	13-Oct	0.000172	14-Apr	0.000184	6-Oct	0.000294	0.2454	1.1163	NO
MW-2R	0.000124	13-Oct	0.000124	14-Apr	0.0101	6-Oct	0.00314	0.3691	1.2167	
COD (mg/L)										
MW-3RR	7.00	13-Oct	14.00	14-Apr	12.00	6-Oct	15.00	14.2364	12.6918	NO
MW-4	34.00	13-Oct	7.00	14-Apr	11.00	6-Oct	10.00	15.3778	14.1267	NO
MW-1R	2.60	13-Oct	7.00	14-Apr	9.00	6-Oct	15.00	14.7385	15.8994	NO
MW-2R	14.00	13-Oct	14.00	14-Apr	8.00	6-Oct	43.00	20.7852	19.4233	
Copper (mg/L)										
MW-3RR	0.00191	13-Oct	0.00191	14-Apr	0.0048	6-Oct	0.00191	0.0035	0.0041	NO
MW-4	0.00191	13-Oct	0.00191	14-Apr	0.00191	6-Oct	0.00191	0.0220	0.0384	NO
MW-1R	0.00191	13-Oct	0.00191	14-Apr	0.00191	6-Oct	0.00191	0.0328	0.0816	NO
MW-2R	0.00191	13-Oct	0.00191	14-Apr	0.024	6-Oct	0.00508	0.0233	0.0376	
Cyanide (mg/L)										
MW-3RR		13-Oct		14-Apr		6-Oct		0.0032	0.0017	NO
MW-4		13-Oct		14-Apr		6-Oct		0.0093	0.0084	NO
MW-1R		13-Oct		14-Apr		6-Oct		0.0082	0.0082	NO
MW-2R		13-Oct		14-Apr		6-Oct		0.0094	0.0084	
Fluoride (mg/L)										
MW-3RR	0.50	13-Oct	0.57	14-Apr	0.50	6-Oct	0.50	0.4677	0.1168	NO
MW-4	0.50	13-Oct	0.50	14-Apr	0.50	6-Oct	0.50	0.4252	0.1892	NO
MW-1R	0.50	13-Oct	0.50	14-Apr	0.50	6-Oct	0.50	0.4288	0.1444	NO
MW-2R	0.50	13-Oct	0.50	14-Apr	0.50	6-Oct	0.50	0.4304	0.2236	
Dissolved Manganese (mg/L)										
MW-3RR	0.0014	13-Oct	0.0014	14-Apr	0.0014	6-Oct	0.0014	0.0555	0.0937	NO
MW-4	0.0017	13-Oct	0.0059	14-Apr	0.0241	6-Oct	0.0014	0.0830	0.1296	NO
MW-1R	0.0043	13-Oct	0.0014	14-Apr	0.0014	6-Oct	0.0014	0.0752	0.1706	NO
MW-2R	0.0014	13-Oct	0.0014	14-Apr	0.0014	6-Oct	0.0014	0.0979	0.2509	
Iron (mg/L)										

STATISTICAL ANALYSIS

2010			2011					Means	Standard Deviation	Statistical Significant
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
MW-3RR	0.1190	13-Oct	0.0273	14-Apr	0.0781	6-Oct	0.0745	0.7449	1.4192	NO
MW-4	0.0310	13-Oct	0.0440	14-Apr	0.0535	6-Oct	0.0618	1.0375	2.6983	NO
MW-1R	0.0545	13-Oct	0.0626	14-Apr	0.1620	6-Oct	0.0764	20.2077	57.4907	NO
MW-2R	0.0135	13-Oct	0.0279	14-Apr	15.2000	6-Oct	2.9400	9.6908	16.2630	
Lead (mg/L)										
MW-3RR	0.000178	13-Oct	0.000178	14-Apr	0.000178	6-Oct	0.000178	0.0060	0.0126	NO
MW-4	0.000178	13-Oct	0.000180	14-Apr	0.000178	6-Oct	0.000178	0.0179	0.0550	NO
MW-1R	0.000266	13-Oct	0.000185	14-Apr	0.000554	6-Oct	0.000434	0.0274	0.0526	NO
MW-2R	0.000178	13-Oct	0.00018	14-Apr	0.0197	6-Oct	0.00378	0.0124	0.0134	

STATISTICAL ANALYSIS

	2010			2011						
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result	Means	Standard Deviation	Statistical Significant
Magnesium (mg/L)										
MW-3RR	39.5	13-Oct	36.0	14-Apr	32.4	6-Oct	41.0	44.2595	66.7988	NO
MW-4	37.5	13-Oct	22	14-Apr	31.1	6-Oct	31.5	24.5526	6.7828	NO
MW-1R	37.9	13-Oct	29.6	14-Apr	25.8	6-Oct	36.2	36.8388	26.3458	NO
MW-2R	90.8	13-Oct	41.3	14-Apr	49	6-Oct	51.8	42.7696	13.7588	
Mercury (mg/L)										
MW-3RR	0.000049	13-Oct	0.000049	14-Apr	0.000049	6-Oct	0.000029	0.0007	0.0013	NO
MW-4	0.000057	13-Oct	0.000049	14-Apr	0.000049	6-Oct	0.000029	0.0006	0.0005	NO
MW-1R	0.000049	13-Oct	0.000049	14-Apr	0.000174	6-Oct	0.000029	0.0008	0.0013	NO
MW-2R	0.000067	13-Oct	0.000049	14-Apr	0.000049	6-Oct	0.000029	0.0008	0.0013	
Molybdenum (mg/L)										
MW-3RR	0.000964	13-Oct	0.00104	14-Apr	0.000964	6-Oct	0.000964	0.0044	0.0044	NO
MW-4	0.00616	13-Oct	0.00368	14-Apr	0.00414	6-Oct	0.00648	0.0247	0.0375	NO
MW-1R	0.0222	13-Oct	0.00216	14-Apr	0.0212	6-Oct	0.0212	0.0323	0.0301	NO
MW-2R	0.000964	13-Oct	0.000964	14-Apr	0.00482	6-Oct	0.000964	0.0227	0.0379	
Nickel (mg/L)										
MW-3RR	0.00153	13-Oct	0.003260	14-Apr	0.00248	6-Oct	0.001770	0.0041	0.0019	NO
MW-4	0.00202	13-Oct	0.002920	14-Apr	0.00296	6-Oct	0.002320	0.0242	0.0380	NO
MW-1R	0.00252	13-Oct	0.002620	14-Apr	0.00113	6-Oct	0.000978	0.0272	0.0588	NO
MW-2R	0.00212	13-Oct	0.003400	14-Apr	0.025	6-Oct	0.005940	0.0247	0.0370	
Nitrate (mg/L)										
MW-3RR	1.14	13-Oct	0.504	14-Apr	1.18	6-Oct	0.506	0.6751	0.3934	NO
MW-4	0.382	13-Oct	0.076	14-Apr	0.195	6-Oct	0.061	0.1960	0.1691	NO
MW-1R	0.937	13-Oct	0.882	14-Apr	0.916	6-Oct	0.908	0.7841	0.3996	NO
MW-2R	1.2	13-Oct	1.08	14-Apr	1.16	6-Oct	1.14	1.0830	0.4454	
pH (std. unit)										
MW-3RR	6.80	13-Oct	6.90	14-Apr	6.91	6-Oct	7.34	6.8323	0.3429	NO
MW-4	7.11	13-Oct	7.10	14-Apr	7.29	6-Oct	7.56	7.0404	0.3223	NO
MW-1R	7.51	13-Oct	7.60	14-Apr	7.58	6-Oct	7.87	7.4785	0.3498	NO
MW-2R	7.32	13-Oct	7.04	14-Apr	6.83	6-Oct	7.33	7.2130	0.4259	
Potassium (mg/L)										
MW-3RR	1.81	13-Oct	1.53	14-Apr	1.59	6-Oct	1.66	1.9955	0.6879	NO

STATISTICAL ANALYSIS

2010			2011					Means	Standard Deviation	Statistical Significant
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
MW-4	0.442	13-Oct	0.384	14-Apr	0.482	6-Oct	0.516	2.2136	7.4940	NO
MW-1R	1.05	13-Oct	1.11	14-Apr	1.04	6-Oct	1.24	3.6403	5.3080	NO
MW-2R	1.52	13-Oct	1.47	14-Apr	5.54	6-Oct	2.34	3.8526	3.1091	
Selenium (mg/L)										
MW-3RR	0.000832	13-Oct	0.000359	14-Apr	0.000378	6-Oct	0.000359	0.0024	0.0020	NO
MW-4	0.00132	13-Oct	0.000359	14-Apr	0.000506	6-Oct	0.000435	0.0038	0.0035	NO
MW-1R	0.00406	13-Oct	0.00382	14-Apr	0.00269	6-Oct	0.00336	0.0048	0.0027	NO
MW-2R	0.00131	13-Oct	0.000656	14-Apr	0.0018	6-Oct	0.00053	0.0041	0.0034	

STATISTICAL ANALYSIS

2010			2011					Means	Standard Deviation	Statistical Significant
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
Silver (mg/L)										
MW-3RR	0.00056	13-Oct	0.00056	14-Apr	0.00056	6-Oct	0.00056	0.0043	0.0151	NO
MW-4	0.00056	13-Oct	0.00056	14-Apr	0.00056	6-Oct	0.00056	0.0125	0.0220	NO
MW-1R	0.00056	13-Oct	0.00056	14-Apr	0.00056	6-Oct	0.00056	0.0116	0.0216	NO
MW-2R	0.00056	13-Oct	0.00056	14-Apr	0.0028	6-Oct	0.00056	0.0129	0.0226	
Sodium (mg/L)										
MW-3RR	16	13-Oct	12.8	14-Apr	8.82	6-Oct	14.2	13.7136	3.0353	NO
MW-4	20.8	13-Oct	17	14-Apr	17.8	6-Oct	20.4	27.3552	34.9866	NO
MW-1R	16.2	13-Oct	13.8	14-Apr	9.9	6-Oct	15.5	15.7469	4.5794	NO
MW-2R	14.6	13-Oct	12.6	14-Apr	9.26	6-Oct	14.1	12.3715	3.1188	
Specific Conductivity (umhos)										
MW-3RR	770	13-Oct	822	14-Apr	728	6-Oct	762	719.1364	99.0037	NO
MW-4	670	13-Oct	750	14-Apr	777	6-Oct	697	676.7778	100.5873	NO
MW-1R	510	13-Oct	487	14-Apr	482	6-Oct	458	469.8846	56.7918	NO
MW-2R	760	13-Oct	715	14-Apr	711	6-Oct	677	600.2222	132.4483	
Sulfate (mg/L)										
MW-3RR	33.1	13-Oct	24.3	14-Apr	53.1	6-Oct	29.1	26.9468	10.1542	NO
MW-4	28.3	13-Oct	32.9	14-Apr	36.6	6-Oct	32.8	24.1974	10.6248	NO
MW-1R	18.3	13-Oct	15.9	14-Apr	18.0	6-Oct	16.0	22.1000	33.1104	NO
MW-2R	12.9	13-Oct	9.05	14-Apr	10	6-Oct	7.92	16.2130	16.6016	
TDS (mg/L)										
MW-3RR	321	13-Oct	351	14-Apr	406	6-Oct	485	408.8636	45.6710	NO
MW-4	292	13-Oct	292	14-Apr	365	6-Oct	416	382.7407	54.1754	NO
MW-1R	215	13-Oct	289	14-Apr	246	6-Oct	271	268.1538	49.3783	NO
MW-2R	230	13-Oct	270	14-Apr	362	6-Oct	422	337.1852	75.9904	
Thallium (mg/L)										
MW-3RR	0.000238	13-Oct	0.000238	14-Apr	0.000238	6-Oct	0.000238	0.0005	0.0004	NO
MW-4	0.000238	13-Oct	0.000238	14-Apr	0.000238	6-Oct	0.000238	0.0008	0.0007	NO
MW-1R	0.000238	13-Oct	0.000238	14-Apr	0.000238	6-Oct	0.000238	0.0007	0.0007	NO
MW-2R	0.000238	13-Oct	0.000238	14-Apr	0.00119	6-Oct	0.000238	0.0008	0.0007	
TOC (mg/L)										

STATISTICAL ANALYSIS

2010			2011					Means	Standard Deviation	Statistical Significant
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
MW-3RR	2.54	13-Oct	1.52	14-Apr	1.95	6-Oct	1.32	2.6050	1.3063	NO
MW-4	1.53	13-Oct	2.01	14-Apr	2.02	6-Oct	1.03	1.8581	0.8221	NO
MW-1R	1.42	13-Oct	1.1	14-Apr	1.01	6-Oct	1	1.8130	1.2457	NO
MW-2R	1.85	13-Oct	1.39	14-Apr	3.34	6-Oct	1	1.9621	1.7990	
Total Phenolics (mg/L)										
MW-3RR	0.004	13-Oct	0.005	14-Apr	0.010	6-Oct	0.004	0.0097	0.0062	NO
MW-4	0.004	13-Oct	0.006	14-Apr	0.007	6-Oct	0.004	0.0079	0.0056	NO
MW-1R	0.004	13-Oct	0.005	14-Apr	0.007	6-Oct	0.004	0.0115	0.0205	NO
MW-2R	0.004	13-Oct	0.004	14-Apr	0.01	6-Oct	0.004	0.0067	0.0047	

STATISTICAL ANALYSIS

Parameter	2010			2011				Means	Standard Deviation	Statistical Significant
	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
TSS (mg/L)										
MW-3RR	3.00	13-Oct	6.00	14-Apr	3.00	6-Oct	7.00	120.7727	292.8903	NO
MW-4	6.0	13-Oct	8.0	14-Apr	3.0	6-Oct	5.0	14.9259	25.2951	NO
MW-1R	4.0	13-Oct	140.0	14-Apr	7.0	6-Oct	3.0	341.6538	788.6273	NO
MW-2R	21.00	13-Oct	92.00	14-Apr	236.00	6-Oct	134.00	262.0370	512.5435	
Turbidity (NTU)										
MW-3RR	3.90	13-Oct	2.80	14-Apr	1.70	6-Oct	2.10	112.3982	297.9884	NO
MW-4	2.4	13-Oct	0.6	14-Apr	1.6	6-Oct	1.1	19.1456	42.5360	NO
MW-1R	2.8	13-Oct	0.6	14-Apr	1.9	6-Oct	3.3	155.7946	288.9682	NO
MW-2R	21.5	13-Oct	13.1	14-Apr	97.2	6-Oct	159	264.1444	611.0592	
Vanadium (mg/L)										
MW-3RR	0.000384	13-Oct	0.000210	14-Apr	0.000210	6-Oct	0.000210	0.0216	0.0237	NO
MW-4	0.000366	13-Oct	0.000210	14-Apr	0.000210	6-Oct	0.000210	0.0264	0.0238	NO
MW-1R	0.00129	13-Oct	0.00101	14-Apr	0.000896	6-Oct	0.000818	0.0316	0.0354	NO
MW-2R	0.000290	13-Oct	0.000210	14-Apr	0.019100	6-Oct	0.002800	0.0372	0.0486	
Zinc (mg/L)										
MW-3RR	0.00896	13-Oct	0.0183	14-Apr	0.005	6-Oct	0.00278	0.0179	0.0147	NO
MW-4	0.00596	13-Oct	0.0135	14-Apr	0.00646	6-Oct	0.00334	0.0415	0.0844	NO
MW-1R	0.00518	13-Oct	0.0149	14-Apr	0.00566	6-Oct	0.0071	0.0753	0.1547	NO
MW-2R	0.00714	13-Oct	0.01140	14-Apr	0.15600	6-Oct	0.02340	0.0460	0.0532	
Acetone (mg/L)										
MW-3RR	0.05	13-Oct	0.05	14-Apr	0.05	6-Oct	0.05	0.0340	0.0154	NO
MW-4	0.05	13-Oct	0.05	14-Apr	0.05	6-Oct	0.05	0.0294	0.0168	NO
MW-1R	0.05	13-Oct	0.05	14-Apr	0.05	6-Oct	0.05	0.0294	0.0168	NO
MW-2R	0.05	13-Oct	0.05	14-Apr	0.05	6-Oct	0.05	0.0294	0.0168	
Acrylonitrile (mg/L)										
MW-3RR	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.01	0.0050	0.0000	NO
MW-4	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.01	0.0063	0.0022	NO
MW-1R	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.01	0.0063	0.0022	NO
MW-2R	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.01	0.0063	0.0022	
Benzene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO

STATISTICAL ANALYSIS

	2010			2011						
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result	Means	Standard Deviation	Statistical Significant
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
Bromochloromethane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	

STATISTICAL ANALYSIS

Parameter	2010			2011				Means	Standard Deviation	Statistical Significant
	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
Bromodichloromethane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
Bromoform; Tribromomethane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
Carbon disulfide (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0017	0.0016	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0040	0.0039	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0040	0.0039	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0040	0.0039	
Carbon Tetrachloride (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
Chlorobenzene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
Chloroethane; Ethyl Chloride (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO

STATISTICAL ANALYSIS

2010			2011					Means	Standard Deviation	Statistical Significant
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
MVV-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
Chloroform; Trichloromethane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	
Dibromochloromethane; Chlorodibromomethane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	

STATISTICAL ANALYSIS

Parameter	2010			2011				Means	Standard Deviation	Statistical Significant
	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
1, 2-Dibromo-3-chloropropane; DBCP (mg/L)										
MW-3RR	0.0000997	13-Oct	0.0000997	14-Apr	0.00009915	6-Oct	0.00009915	0.0003	0.0003	NO
MW-4	0.0000201	13-Oct	0.0000201	14-Apr	0.0001	6-Oct	0.0001	0.0003	0.0003	NO
MW-1R	0.000101	13-Oct	0.000101	14-Apr	0.00009859	6-Oct	0.0001	0.0003	0.0003	NO
MW-2R	0.0000989	13-Oct	0.0000989	14-Apr	0.00009831	6-Oct	0.0001009	0.0003	0.0003	
1, 2-Dibromoethane; Ethylene dibromide; EDB (mg/L)										
MW-3RR	0.0000199	13-Oct	0.0000199	14-Apr	0.00001983	6-Oct	0.00001983	0.0002	0.0003	NO
MW-4	0.0001	13-Oct	0.0001	14-Apr	0.00002	6-Oct	0.00002	0.0002	0.0003	NO
MW-1R	0.0000201	13-Oct	0.0000201	14-Apr	0.00001972	6-Oct	0.00002	0.0002	0.0004	NO
MW-2R	0.0000198	13-Oct	0.0000198	14-Apr	0.00001966	6-Oct	0.00002017	0.0002	0.0004	
o-Dichlorobenzene; 1,2-Dichlorobenzene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
p-Dichlorobenzene; 1,4-Dichlorobenzene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
trans-1,4-Dichloro-2-butene (mg/L)										
MW-3RR	0.01	13-Oct	0.01	14-Apr	0.005	6-Oct	0.005	0.0061	0.0031	NO
MW-4	0.01	13-Oct	0.01	14-Apr	0.005	6-Oct	0.005	0.0055	0.0035	NO
MW-1R	0.01	13-Oct	0.01	14-Apr	0.005	6-Oct	0.005	0.0055	0.0035	NO
MW-2R	0.01	13-Oct	0.01	14-Apr	0.005	6-Oct	0.005	0.0055	0.0035	

STATISTICAL ANALYSIS

		2010		2011						
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result	Means	Standard Deviation	Statistical Significant
1,1-Dichloroethane; Ethylidene chloride (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	

STATISTICAL ANALYSIS

Parameter	2010			2011				Means	Standard Deviation	Statistical Significant
	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
1,2-Dichloroethane; Ethylene dichloride										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	
1,1-Dichloroethylene; 1,1-Dichloroethene; Vinylidene chloride (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0002	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0001	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0001	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0001	
cis-1,2-Dichloroethylene; cis-1,2-Dichloroethylene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0002	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0001	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0001	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0001	
trans-1,2-Dichloroethylene; trans-1,2-Dichloroethene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	
1,2-Dichloropropane; Propylene dichloride (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO

STATISTICAL ANALYSIS

		2010		2011						
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result	Means	Standard Deviation	Statistical Significant
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0009	0.0002	
cis-1,3-Dichloropropene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
trans-1,3-Dichloropropene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	

STATISTICAL ANALYSIS

Parameter	2010			2011				Means	Standard Deviation	Statistical Significant
	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
Ethylbenzene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
2-Hexanone; Methyl butyl ketone (mg/L)										
MW-3RR	0.050	13-Oct	0.050	14-Apr	0.050	6-Oct	0.01	0.0055	0.0025	NO
MW-4	0.050	13-Oct	0.050	14-Apr	0.050	6-Oct	0.01	0.0069	0.0030	NO
MW-1R	0.050	13-Oct	0.050	14-Apr	0.050	6-Oct	0.01	0.0069	0.0030	NO
MW-2R	0.050	13-Oct	0.050	14-Apr	0.050	6-Oct	0.01	0.0069	0.0030	
Methyl bromide; Bromomethane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
Methyl chloride; Chloromethane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
Methylene bromide; Dibromomethane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
Methylene chloride; Dichloromethane (mg/L)										
MW-3RR	0.0025	13-Oct	0.0025	14-Apr	0.005	6-Oct	0.005	0.0026	0.0009	NO
MW-4	0.0025	13-Oct	0.0025	14-Apr	0.005	6-Oct	0.005	0.0022	0.0011	NO

STATISTICAL ANALYSIS

		2010		2011						
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result	Means	Standard Deviation	Statistical Significant
MW-1R	0.0025	13-Oct	0.0025	14-Apr	0.005	6-Oct	0.005	0.0021	0.0011	NO
MW-2R	0.0025	13-Oct	0.0025	14-Apr	0.005	6-Oct	0.005	0.0021	0.0010	
Methyl ethyl ketone; MEK; 2 Butanone (mg/L)										
MW-3RR	0.03	13-Oct	0.03	14-Apr	0.05	6-Oct	0.05	0.0264	0.0078	NO
MW-4	0.03	13-Oct	0.03	14-Apr	0.05	6-Oct	0.05	0.0233	0.0096	NO
MW-1R	0.03	13-Oct	0.03	14-Apr	0.05	6-Oct	0.05	0.0233	0.0096	NO
MW-2R	0.03	13-Oct	0.03	14-Apr	0.05	6-Oct	0.05	0.0233	0.0096	
Methyl iodide; Iodomethane (mg/L)										
MW-3RR	0.01	13-Oct	0.01	14-Apr	0.01	6-Oct	0.01	0.0074	0.0026	NO
MW-4	0.01	13-Oct	0.01	14-Apr	0.01	6-Oct	0.01	0.0077	0.0025	NO
MW-1R	0.01	13-Oct	0.01	14-Apr	0.01	6-Oct	0.01	0.0077	0.0025	NO
MW-2R	0.01	13-Oct	0.01	14-Apr	0.01	6-Oct	0.01	0.0077	0.0025	

STATISTICAL ANALYSIS

Parameter	2010			2011				Means	Standard Deviation	Statistical Significant
	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
4-Methyl-2-pentanone; Methyl isobutyl ketone (mg/L)										
MW-3RR	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.010	0.0077	0.0061	NO
MW-4	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.010	0.0084	0.0051	NO
MW-1R	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.010	0.0084	0.0051	NO
MW-2R	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.010	0.0084	0.0051	
Styrene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
1,1,1,2-Tetrachloroethane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
1,1,2,2-Tetrachloroethane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0013	0.0012	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	
Tetrachloroethylene; Tetrachloroethene; Perchloroethylene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0013	0.0012	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	

STATISTICAL ANALYSIS

Parameter	2010			2011				Means	Standard Deviation	Statistical Significant
	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
Toluene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-pr	0.001	6-Oct	0.001	0.0010	0.0000	

STATISTICAL ANALYSIS

Parameter	2010			2011				Means	Standard Deviation	Statistical Significant
	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
1,1,1-Trichloroethane; Methylchloroform (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
1,1,2-Trichloroethane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0013	0.0012	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	
Trichloroethylene; Trichloroethene (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0013	0.0012	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0012	0.0010	
Trichlorofluoromethane; CF-11 (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
1,2,3-Trichloropropane (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
Vinyl acetate (mg/L)										
MW-3RR	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.010	0.0059	0.0020	NO
MW-4	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.010	0.0069	0.0025	NO

STATISTICAL ANALYSIS

2010			2011					Means	Standard Deviation	Statistical Significant
Parameter	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
MW-1R	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.010	0.0069	0.0025	NO
MW-2R	0.010	13-Oct	0.010	14-Apr	0.010	6-Oct	0.010	0.0069	0.0025	
Vinyl chloride (mg/L)										
MW-3RR	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-4	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-1R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	NO
MW-2R	0.001	13-Oct	0.001	14-Apr	0.001	6-Oct	0.001	0.0010	0.0000	
Xylenes (mg/L)										
MW-3RR	0.003	13-Oct	0.003	14-Apr	0.003	6-Oct	0.003	0.0012	0.0004	NO
MW-4	0.003	13-Oct	0.003	14-Apr	0.003	6-Oct	0.003	0.0013	0.0006	NO
MW-1R	0.003	13-Oct	0.003	14-Apr	0.003	6-Oct	0.003	0.0013	0.0006	NO
MW-2R	0.003	13-Oct	0.003	14-Apr	0.003	6-Oct	0.003	0.0013	0.0006	

STATISTICAL ANALYSIS

Parameter	2010			2011				Means	Standard Deviation	Statistical Significant
	Result	Sample Date	Result	Sample Date	Result	Sample Date	Result			
Hardness (mg/L)										
MW-3RR	463	13-Oct	427	14-Apr	367	6-Oct	551	413.1667	66.2378	NO
MW-4	447	13-Oct	382	14-Apr	424	6-Oct	466	382.1111	57.7641	NO
MW-1R	241	13-Oct	231	14-Apr	211	6-Oct	280	238.1111	21.2073	NO
MW-2R	367	13-Oct	343	14-Apr	389	6-Oct	412	344.7222	28.0080	
Field Temperature (C)										
MW-3RR	15.4	13-Oct	14.7	14-Apr	14.5	6-Oct	14.9			
MW-4	16	13-Oct	13.9	14-Apr	13.3	6-Oct	13.5			
MW-1R	15.8	13-Oct	14.1	14-Apr	13.9	6-Oct	13.7			
MW-2R	15.2	13-Oct	14	14-Apr	13.4	6-Oct	13.2			
Depth to Water Level										
MW-3RR	78.87	13-Oct	70.83	14-Apr	66.56	6-Oct	67.00			
MW-4	155.49	13-Oct	140.05	14-Apr	140.10	6-Oct	139.20			
MW-1R	74.75	13-Oct	79.94	14-Apr	74.90	6-Oct	74.95			
MW-2R	125.99	13-Oct	126.80	14-Apr	122.28	6-Oct	126.40			