



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
DEP13949

PAGE
1

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

VENDOR

RFQ COPY
TYPE NAME/ADDRESS HERE

SHIP TO

**ENVIRONMENTAL PROTECTION
 DEPARTMENT OF
 VARIOUS LOCALES AS INDICATED
 BY ORDER**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/10/2008				

BID OPENING DATE: **02/28/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>*****ADDENDUM NO. 1*****</p> <p>ADDENDUM ISSUED FOR THE WATER QUALITY MONITORING PROJECT TO DISTRIBUTE THE PRE-BID SIGN-IN SHEET, THE Q/A RESULTING FROM THAT 01/31/08 MEETING, AND ATTACHMENTS IDENTIFYING THE LANDFILL WELL LOCATIONS, ETC.</p> <p>BID OPENING DATE AND TIME REMAIN UNCHANGED AS 02/28/08 AT 1:30 PM.</p> <p>*****NO OTHER CHANGES*****</p>						
0001	1	JB		493-96		
WATER QUALITY MONITORING						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

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

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125.00 registration fee.
5. All services performed or goods delivered under State Purchase Orders/Contracts are to be continued for the term of the Purchase Order/Contract, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA Business Associate Addendum** - The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Covered Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in cases of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications.

SIGNED BID TO:

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

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

002

RFQ # : DEP - 13949
Project: Water Quality Monitoring

Bid Date: 2-28-08 1:30 PM
Pre-Bid Date: 1-31-08 13:00

Name : John Smetko
Company: URS Corp
Address: #4 Mission Way, Ste 201
Scott Depot, WV 25560
Phone #: 304-757-6642 x103
Fax # : 304-757-1670
Email : John-Smetko@urscorp.com

Name : Thomas Reber
Company: CORE Environmental Svcs. Inc.
Address: PO Box 18001
530 Ashcroft St
MORROWTOWN WV 26508
Phone# : 304 594 3862
Fax # : 304 594 3864
Email : t.reber@core-env.com

Name : Rod Moore
Company: Enviro Probe Int. Solns.
Address: 630 CROSS LANES DR.
NITRO WV 25143
Phone #: 304 776-6717
Fax # : 776-6769
Email : remoores@enviroprobe102.com

Name : Ben Campbell
Company: CTL Eng.
Address: #733 Fairmont Rd
Morgantown, WV 26501
Phone# : 292-1135
Fax # : 296-9303
Email : bcampbell@ctleng.com

Name : MIKE HOFG
Company: RGE CONSULTANTS, INC.
Address: P.O. BOX 286
BEAVER, WV 25813
Phone #: (304) 255-2500
Fax # : (304) 255-2572
Email : mhofe@rgeclabs.com

Name : Steven J. Coombs
Company: CTL Engineering of WV, Inc.
Address: 510 C Street
South Charleston, WV 25303
Phone# : 304-746-1140
Fax # : 304-746-1143
Email : scoombs@ctleng.com

Name : Greg Mayle
Company: Ryan Environmental
Address: Rt 4 Box 260
Bridgeport WV, 26330

Name : _____
Company: _____
Address: _____
Phone# : _____
Fax # : _____
Email : _____

Phone #: (304) 842-5578
Fax # : (304) 842-5131
Email : gmayle@ryanenv.com

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

003

RFQ # : DEP - 13949
Project: Water Quality Monitoring

Bid Date: 2-28-08 1:30 PM
Pre-Bid Date: 1-31-08 13:00

Name : Paul Benedum
Company: WV DEP
Address: 2091 Pleasant Valley Road
Fairmont WV 26554

Phone #: 940-0243
Fax #: 360-9958
Email: P.benedum@wvdep.org

Name : Clyde Bennett
Company: WUDEP
Address: 601 5th St. SE
Charleston, WV 25304

Phone #: _____
Fax #: _____
Email: _____

Name : Mark Cline
Company: WV- DEP
Address: 601 5th Street SE
Charleston

Phone #: _____
Fax #: _____
Email: mcline@wvdep.org

Name : Tenley Miller
Company: Reliance Laboratories
Address: P.O. Box 4657
Bridgeport WV
26330

Phone #: 304-842-5285
Fax #: 304-842-5351
Email: tmillerewvdsi.net

Name : Mark Church
Company: WUDEP
Address: 717A Main St
Siville WV 26651

Phone #: 545-0793
Fax #: _____
Email: _____

Name : Adam Czaplinski
Company: Marshall Miller + Assoc
Address: 534 Industrial Park Road
Bluefield, VA 24605

Phone #: 276-322-5467
Fax #: _____
Email: _____

Name : _____
Company: _____
Address: _____

Phone #: _____
Fax #: _____
Email: _____

Name : _____
Company: _____
Address: _____

Phone #: _____
Fax #: _____
Email: _____

MANDATORY PRE-BID SIGN-IN ATTENDANCE SHEET

004

RFQ # : DEP - 13949
Project: Water Quality Monitoring

Bid Date: 2-28-08 1:30 PM
Pre-Bid Date: 1-31-08 13:00

Name : Weather Napier
Company: Triad Engineering
Address: 4980 Feays Valley Rd
Scott Depot, WV
25510
Phone #: 304-755-0721
Fax # : 304-755-1880
Email : HNapier@triadeng.com

Name : DAVE WATKINS
Company: H.C. Nutting / TERRACON
Address: 912 Morris St.
Chas. WV 25301
Phone #: (304) 344-0821
Fax # : (304) 342-4711
Email : d.watkins@hcnutting.com

Name : Adrienne Morgan
Company: A-Zone Env'tl
Address: 600 S. Mildred St.
Charles Town, WV
25414
Phone #: 304-724-6458
Fax # : 304-724-6459
Email : amorgan@a-zoneenvironmental.com

Name : STEVE MCGUIRE
Company: VERDIA WATER / NA WATER
Address: 250 Airside Drive
Mon Township PA
15108
Phone #: 412-809-6727
Fax # : 412-809-6711
Email : Stephen.McGuire@VERDIAWATER.COM

Name : David Chandler
Company: Mountain Research
Address: 825 25th Street
Altoona, PA 16601
Phone #: 814-949-2034
Fax # : 814-949-9591
Email : dchandler@mountainresearch.com

Name : Jim Gowarty
Company: CTL
Address: 733 Fairmont Rd
Morgantown, WV 26501
Phone #: 304 292-1135
Fax # : 296-9362
Email : JGOWARTY@ctleng.com

Name : Brian Richards
Company: Bio-Chem Testing
Address: 5 Weatheridge Drive
Hurricane, WV 25526
Phone #: 304-757-8954
Fax # : 304-757-9676
Email : info@biochemtesting.com

Name : Nicole Penkowski
Company: EnviroScience, Inc
Address: 3781 Darrow Rd
Shaw, OH 44224
Phone #: 330 688 0111
Fax # : 330 688 3858
Email : npenkowski@enviroscienceinc.com

Q. Will the driller complete the new wells?

A. Yes, the well will be ready to use.

Q. Are Q/A Q/C samples separate or to be included in the price?

A. These are included in the price as incidentals.

Q. Is Groundwater flow rate determination required?

A. Yes, at least annually.

Q. What is the current date base?

A. Chemstat, Version 6.1.

Q. Can statistical analysis be submitted electronically?

A. No, we use paper.

Q. How many copies of the statistical analysis does DEP need?

A. DEP needs 4 copies.

Q. Does a LRS need to sign off on the statistical analysis?

A. No.

Q. Do the wells have pumps in them?

A. They should not have pumps, but if any remain the vendor can remove them.

Q. Do we have a spreadsheet summarizing well properties?

A. Yes, included with this addendum.

Q. Will Purchasing include a site map for the vendors?

A. No, it is on the Internet at the following location: <http://www.dep.state.nj.us/water/depweb/depweb.htm>

Q. Can text from a typical site report be included in the Addendum?

A. No. We have a recent hydrology study that was just completed and no further site reports and descriptions are needed for this sampling.

Q. Will we issue multiple contracts?

A. No.

Q. Can the vendor submit invoices for a few sites, or do they need to wait and invoice for all at the same time?

A. Vendors can submit invoices for a few sites at a time, but we would like to avoid invoicing for one site at a time.

Q. Does the successful vendor need to attend regular meetings, such as office review meetings?

A. No.

Attachment A

Listed below are the twelve LCAP facilities to be monitored under this RFQ

1. Morgantown Landfill - 7 wells
2. Jefferson County Landfill - 15 wells
3. McDowell County Landfill - 6 wells
4. ERO Landfill - 7 wells
5. Rehe Landfill - 4 wells
6. Hampshire County Landfill - 5 wells
7. Jackson County Landfill - 4 wells
8. Kanawha Western Landfill - 4 wells
9. Fleming Landfill - 7 wells
10. Wyoming County Landfill - 5 wells
11. Big Bear Lake Landfill - 4 wells
12. Kingwood Landfill - 4 wells
13. Berkeley County Landfill - 8 wells

Monitoring Well Inventory Summary
WVDEP-LCAP

Updated: 10/19/200

Morgantown Landfill

Well ID	Casing diameter (in.)	Riser Height (ft.)	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude	Elev. TOC	Truck Accessible	Installed
MW-101BG Upgradient	2 PVC 6 Steel round	2.82	140.95	121.8	79° 55' 5.1"	39° 38' 7.44"	1127.50	YES	
MW-102DG	2 PVC 6 Steel round	3	34.44	14.84	79° 55' 24.24"	39° 38' 12.72"	1037.31	YES	
MW-103DG	2 PVC 6 Steel round	2.25	28.6	14.45	79° 55' 23.7"	39° 38' 13.92"	1037.30	YES	
MW-4	2 PVC 6 Steel Square	2	47.57	20.3	79° 55' 23.04"	39° 38' 12.06"	1043.73	YES	
SMW-1	2 PVC 6 Steel Square	2.83	20.37	6.05	79° 55' 19.74"	39° 38' 17.52"	1064.64	NO	
SMW-2	2 PVC 6 Steel Square	2.42	16.45	8.77	79° 55' 18.42"	39° 38' 18"	1070.43	NO	
SMW-3	2 PVC 6 Steel Square	2.92	15.35	8.54	79° 55' 24.12"	39° 38' 12.66"	1037.31	YES	

Comments:

Monitoring Well Inventory Summary
 WUDEP-LCAP

Updated: 10/19/2004

Jefferson County Landfill

Well ID	Casing diameter (in.)	Riser Height (ft.)	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude	Elev. TOC	Truck Accessible	Installed
MW-101UG	2 PVC 8 steel (Rd)	2.32	66.44	50.07	77° 54' 24.25"	39° 20' 08.59"	603.56	YES	
MW-6A	2 PVC 8 steel (Rd)	1.09	63.22	53.85	77° 54' 42.67"	39° 20' 13.67"	582.96	YES	
MW-102	2 PVC 8 steel (Rd)	2.88	105.44	22.22	77° 54' 39.34"	39° 20' 29.02"	534.59	YES	
MW-4	2 PVC 8 steel (Rd)	1.82	38.03	25.26	77° 54' 38.34"	39° 20' 27.52"	548.32	YES	
SMW-2	2 PVC 4 steel (Sq)	2.25	27.57	12.12	77° 54' 22.95"	39° 20' 21.87"	560.77	YES	
MW-106	2 PVC 8 steel (Rd)	2.65	53.06	42.04	77° 54' 38.78"	39° 20' 8.70"	576.25	YES	
BC-3	1 PVC (pz)	2.87	68.09	58.07	77° 54' 41.34"	39° 20' 10.56"	591.21	YES	
MW-11	2 PVC 8 steel (Rd)	1.05	46.44	26.45	77° 54' 23.22"	39° 20' 08.76"	548.03	YES	
SMW-4	2 PVC 8 steel (Rd)	3.01	34.02	23.1	77° 54' 39.38"	39° 20' 28.81"	535.35	YES	
MW-105DG	2 PVC 8 steel (Rd)	3.3	75.01	42.74	77° 54' 30.91"	39° 20' 25.91"	579.27	YES	
SMW-3	2 PVC 4 steel (Sq)	2.56	33.93	18.89	77° 54' 27.16"	39° 20' 23.80"	559.27	YES	
MW-103R	2 PVC 8 steel (Rd)	2.83	79.09	18.11	77° 54' 27"	39° 20' 24.40"	557.82	YES	
BC-4	1 PVC (pz)	3.08	42.72	23.75	77° 54' 25.71"	39° 20' 23.37"	564.71	YES	
MW-104	2 PVC 8 steel (Rd)	3.18	52.88	14.05	77° 54' 22.90"	39° 20' 21.97"	561.55	YES	
MW-6B	2 PVC 8 steel (Rd)	1.5	95.42	61.11	77° 54' 42.93"	39° 20' 13.23"	566.31	YES	

Comments: All well are close to truck accessible, some across fence, others across ditches but most within 40 to 50 feet.

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Monitoring Well Inventory Summary
 WVDEP-LCAP

Updated: 10/19/2004

McDowell County Landfill

Well ID	Casing diameter (in.)	Riser Height	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude	Elev. TOC	Truck Accessible	Installed
MW-1	2 PVC 4 steel (Rd)	1	59.22	44	81° 40' 32.26"	37° 27' 30.31"	1710.61	YES	
MW-2	2 PVC 4 steel (Rd)	0.94	8.02	88	81° 40' 47.34"	37° 27' 41.94"	1492.42	YES	
MW-3	2 PVC 4 steel (Rd)	1.95	92.42	60.3	81° 40' 39.21"	37° 27' 53.33"	1297.00	YES	
MW-4	2 PVC 4 steel (Rd)	1.57	81.73	47	81° 40' 41.94"	37° 27' 47.19"	1374.15	YES	
MW-5	2 PVC 4 steel (Rd)	2.61	20.35	unknown	81° 40' 39.66"	37° 27' 49.57"	1375.84	YES	
MW-6A	2 PVC 4 steel (Rd)	2.71	28.3	unknown	81° 40' 41.47"	37° 27' 57.11"	1280.45	YES	

Comments:

11009

Monitoring Well Inventory Summary
WVDEP-LCAP

Updated: 10/19/2004

ERO Landfill

Well ID	Casing diameter (in.)	Riser Height (ft.)	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude (degree.minute.second)	Truck Accessible	Installed
MW-8	2 PVC 4 steel	1.19	34.32	14.68	82° 03' 9.84"	38° 56' 33.28"	YES	
MW-13	2 PVC 4 steel	0.49	50.51	13.83	82° 02' 58.62"	38° 56' 33.28"	NO	
MW-17	2 PVC 4 steel	2.72	88.5	66.18	82° 02' 22.44"	38° 56' 48.42"	YES	
MW-18	2 PVC 4 steel	2.73	54.85	27.02	82° 02' 52.14"	38° 56' 50.46"	YES	
MW-19	2 PVC 4 steel	2.11	54.42	29.99	82° 02' 54.9"	38° 56' 57.24"	YES	
MW-20	2 PVC 4 steel	0.95	51.86	29.57	82° 02' 13.56"	38° 56' 40.02"	NO	
MW-22	2 PVC 4 steel	3.03	32.72	13.15	82° 02' 0.36"	38° 56' 31.74"	NO	

Comments: Wells other than shown were abandoned in 2003. Other wells may be abandoned.

y:\Documents\GROUNDWATER 2003\well_inventory_final.xls

010

Monitoring Well Inventory Summary
 WVDEP-LCAP

Updated: 10/19/2004

Rehe Landfill

Well ID	Casing diameter (in.)	Riser Height (ft.)	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude	Elev. TOC	Truck Accessible	Installed
MW-1U Upgradient	2 PVC 4 steel (Rd)	3.75	39.2	20	79° 47' 32.34"	39° 29' 58.02"	1793.88	YES	06/22/00
MW-2D	2 PVC 4 steel (Rd)	3.5	39.2	26	79° 47' 44.28"	39° 29' 57.84"	1778.92	YES	06/21/00
MW-3D	2 PVC 4 steel (Rd)	4.08	49.3	37	79° 47' 43.38"	39° 29' 55.38"	1790.92	NO	06/21/00
MW-4D	2 PVC 4 steel (Rd)	2.83	44	20	79° 47' 47.88"	39° 29' 49.02"	1756.92	YES	06/21/00

Comments:

011

Monitoring Well Inventory Summary
 WVDEP-LCAP

Updated: 10/19/2004

Hampshire County Landfill

Well ID	Casing diameter (in.)	Riser Height (ft.)	Well Depth (ft.)	Depth to Static Water		Longitude (degree.minute.second)	Latitude	Elev. TOC	Truck Accessible	Installed
				(ft.)	(ft.)					
MW-1	2		46	7		78° 44' 49.62"	39° 21' 40.56"		NO	
MW-2	2		45			78° 44' 47.70"	39° 21' 39.72"	577.16	YES	11/30/90
MW-3	2		138	67		78° 44' 42.54"	39° 21' 49.02"	847.60	YES	12/01/90
MW-4	2		70	36		78° 44' 40.50"	39° 21' 40.38"	833.79	YES	10/10/95
MW-5		3.42	93	65		78° 44' 29.94"	39° 21' 27.30"	857.50		06/06/02

Comments:

012

Monitoring Well Inventory Summary
WVDEP-LCAP

Updated: 10/19/2004

Jackson County Landfill

Well ID	Casing diameter (in.)	Riser Height (ft.)	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude	Elev. TOC	Truck Accessible	Installed Date
MW-2	2 PVC 4 steel (Rd)	1.25	160	42	81° 43' 32.16"	38° 50' 37.38"	700.04	NO	05/08/91
MW-2A	2 PVC 4 steel (Rd)	2.68	155	44	81° 43' 32.16"	38° 50' 37.62"	696.87	NO	05/22/92
MW-3	2 PVC 4 steel (Rd)	2.03	147	27	81° 43' 34.08"	38° 50' 35.10"	677.02	NO	10/24/90
MW-4	2 PVC 4 steel (Rd)	1.95	178	68	81° 43' 35.58"	38° 50' 34.32"	713.79	NO	10/25/90

Comments: There is no upgradient well on this site

Monitoring Well Inventory Summary
WVDEP-LCAP

Updated: 10/19/2004

Kanawha Western Landfill

Well ID	Casing diameter (in.)	Riser Height	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude	Elev. TOC	Truck Accessible	Installed
MW-1A	2 PVC 4 steel (Rd)	3.04	77.33	53.59	81° 45' 32"	38° 25' 07"	847.33	YES	0/0/03
MW-2	2 PVC 4 steel (Rd)	1.95	103.87	14.3	81° 45' 19.5"	38° 25' 2.4"	856.85	NO	07/13/94
MW-3A	2 PVC 4 steel (Rd)	2.55	292	111.3	81° 45' 17.1"	38° 25' 31.44"	1058.75	YES	07/13/94
Upgradient S-1	2 PVC 4 steel (Rd)	3.06	38.35	9.03	81° 45' 32.82"	38° 25' 3.18"	875.29	YES	07/13/94

Comments:

014

Monitoring Well Inventory Summary
WVDEP-LCAP

Updated: 10/19/2004

Fleming Landfill

Well ID	Casing diameter (in.)	Riser Height (ft.)	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude	Elev. TOC	Truck Accessible
MW-1A Upgradient	2 PVC 6 steel (Rd)	2.2	304	129	81° 40' 53"	38° 27' 17"	1031.54	YES
MW-1B Upgradient	2 PVC 4 steel (Rd)	1.9	71	67	81° 40' 53"	38° 27' 17"	1031.54	YES
MW-3A	2 PVC 6 steel (Rd)	2.22	265	132	81° 40' 48"	38° 27' 25"	966.86	YES
MW-3B	2 PVC 4 steel (Rd)	2.18	46	46	81° 40' 48"	38° 27' 25"	966.86	YES
MW-4A	2 PVC 6 steel (Rd)	2.3	127	37	81° 40' 39"	38° 27' 24"	843.57	YES
MW-4B	2 PVC 4 steel (Rd)	2.34	34	21	81° 40' 39"	38° 27' 24"	843.57	YES
MW-5A	2 PVC 4 steel (Rd)	2.25	28	18	81° 40' 34"	38° 27' 23"	832.39	YES

Comments:

Monitoring Well Inventory Summary
WVDEP-LCAP

Updated: 10/19/2004

Wyoming County Landfill

Well ID	Casing diameter (in.)	Riser Height (ft.)	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude (degree.minute.second)	Elev. TOC	Truck Accessible	Installed
MW-1 Upgradient	2 PVC 4 steel (rd)	1.81	276.15	227.35	81° 32' 42.67"	37° 36' 00.99"	1946.46	YES	
MW-2	2 PVC 4 steel (rd)	1.58	165.55	88	81° 32' 53.19"	37° 36' 12.94"	1825.00	YES	
MW-4	2 PVC 4 steel (rd)	1.12	75.55	22.3	81° 33' 09.65"	37° 36' 05.83"	1749.09	YES	
MW-6	2 PVC 4 steel (rd)	4.77	29.12	14.32	81° 33' 11.18"	37° 36' 05.85"	1779.96	YES	
MW-8	2 PVC 4 steel (rd)	3.27	17.91	7.97	81° 33' 00.36"	37° 36' 09.30"	1758.21	YES	

Comments:

016

Monitoring Well Inventory Summary
 WVDEP-LCAP

Updated: 10/19/2004

Big Bear Lake Landfill

Well ID	Casing diameter (in.)	Riser Height (ft.)	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude	Elv. TOC	Truck Accessible	Installed
MW-1	2 PVC 4 steel (sq)	3.32	52.1	21.32	79° 31' 1.08"	39° 35' 14.0"	2604.04	YES	05/20/03
MW-2	2 PVC 4 steel (sq)	3.21	44.65	30.83	79° 31' 3.80"	39° 35' 12.2"	2593.11	YES	05/20/03
MW-3	2 PVC 4 steel (sq)	3.45	38.63	24.02	79° 31' 3.48"	39° 35' 12.6"	2587.75	YES	05/20/03
MW-4	2 PVC 4 steel (sq)	3.18	35.36	22.82	79° 31' 4.68"	39° 35' 13.74"	2597.6	YES	05/20/03

Comments:

017

Monitoring Well Inventory Summary
 WVDEP-LCAP

Updated: 10/19/2004

Kingwood Landfill

Well ID	Casing diameter (in.)	Riser Height	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude	Elev. TOC	Truck Accessible	Installed
MW-1	2 PVC 4 steel (sq)	3.43	56.4	23.53	79° 41' 11.51"	39° 29' 34.36"	1890.10	YES	08/20/03
MW-2	2 PVC 4 steel (sq)	3.01	59.87	28.5	79° 41' 02.78"	39° 29' 45.84"	1887.35	YES	08/20/03
MW-3	2 PVC 4 steel (sq)	2.68	71.58	48.39	79° 41' 05.63"	39° 29' 48.18"	1859.49	YES	08/20/03
MW-4	2 PVC 4 steel (sq)	3.25	76.1	50.88	79° 41' 09.32"	39° 29' 45.17"	1858.23	YES	08/20/03

Comments:

Monitoring Well Inventory Summary
 WVDEP-LCAP

Updated: 10/19/2004

Berkeley County Landfill

Well ID	Casing diameter (in.)	Riser Height (ft.)	Well Depth (ft.)	Depth to Static Water (ft.)	Longitude (degree.minute.second)	Latitude (degree.minute.second)	Elv. TOC	Truck Accessible	Installed
MW-1B	2 PVC Round steel	1.03	25.37	5.26	77° 56' 13.49"	39° 26' 18.45"	357.66	YES	
MW-2A	2 PVC Round steel	2.02	27.76	8.17	77° 56' 10.55"	39° 26' 15.81"	360.95	YES	
MW-3A	2 PVC Round steel	0.83	28.71	6.06	77° 56' 09.38"	39° 26' 11.57"	361.52	YES	
MW-4A	2 PVC Round steel	1	58.19	14.78	77° 56' 20.20"	39° 26' 10.86"	396.53	YES	
MW-5	2 PVC Round steel	1.92	168.73	39.31	77° 56' 32.77"	39° 26' 23.97"	507.25	YES	
Upgradient	2 PVC								
MW-7	2 PVC steel (sq)	2.56	32.33	21.2	77° 56' 27"	39° 26' 8.70"	402.27	YES	
MW-9	2 PVC steel (sq)	2.72	73.6	35.91	77° 56' 19.21"	39° 26' 20.16"	463.47	NEAR	09/23/91
MW-41	2 PVC steel (sq)	2.3	21.11	12.78	77° 56' 32.96"	39° 26' 9.79"	407.64	YES	09/24/91

Comments:

Landfill	New Wells To be installed	Well Depth
Buckhannon Landfill	1	160
160		
Central WV Refuse	1	175
633	1	218
	1	240
Clarksburg Landfill	1	150
325	1	100
	1	75
Dons Disposal	1	90
350	1	130
	1	130
Grant County Landfill	1	120
340	1	220
Mingo County	1	310
710	1	300
	1	100
Monongalia County	1	150
350	1	100
	1	100
Morgan County Landfill	1	75
225	1	75
	1	75
Pine Creek/ Omar	1	110
110		
South Charleston	1	225
375	1	150
Wheeling Landfill	1	210
440	1	30
	1	200
	27	4018