



DANE COUNTY DEPARTMENT OF PUBLIC WORKS,
HIGHWAY AND TRANSPORTATION

PUBLIC WORKS SOLID WASTE DIVISION
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

**REQUEST FOR PROPOSALS NO. 312031
ENVIRONMENTAL MONITORING AT THREE DANE COUNTY
LANDFILL SITES**

Due Date / Time: **Tuesday, December 11, 2012 / 2:00 P.M.**

Location: **PUBLIC WORKS OFFICE**

Performance / Payment Bond: **100% OF CONTRACT AMOUNT**

Bid Deposit: **5% OF BID AMOUNT**

FOR INFORMATION ON THIS REQUEST FOR PROPOSALS, PLEASE CONTACT:

ROBERT REGAN, PROJECT MANAGER
TELEPHONE NO.: 608/516-3159
FAX NO.: 608/267-1533
E-MAIL: REGAN@COUNTYOFDANE.COM



DANE COUNTY DEPARTMENT of PUBLIC WORKS, HIGHWAY and TRANSPORTATION

County Executive
Joseph T. Parisi

1919 Alliant Energy Center Way ♦ Madison, Wisconsin 53713
Phone: (608) 266-4018 ♦ Fax: (608) 267-1533

Commissioner / Director
Gerald J. Mandli

November 15, 2012

INVITATION FOR PROPOSALS

You are invited to submit a Proposal for RFP No. 312031 to provide professional monitoring services for Environmental Monitoring for Dane County Landfills. The Proposals are due on or before **2:00 PM, Tuesday, December 11, 2012**. No proposal bond or performance bond is required for this project.

SPECIAL INSTRUCTIONS

Please be sure to complete one unbound original and five bound copies of the entire proposal package. To return your proposal, please follow these instructions:

1. Place the signed Signature Page on top as page 1.
2. Place the signed Fair Labor Practices Certification after the Signature Page as page 2.
2. Place the Proposal information after Fair Labor Practices Certification.
3. Clearly label your envelope containing your proposal in the lower left-hand corner as follows:
"Proposal No. 312031
Environmental Monitoring for Dane County Landfills
2:00 PM, Tuesday, December 11, 2012"
4. Mail to:
Robert Regan, Project Manager
Dane County Department of Public Works, Highway & Transportation
1919 Alliant Energy Center Way
Madison, Wisconsin 53713

If any additional information about this Request for Proposals is needed, please call Robert Regan at 608/516-3159 or send email to regan@countyofdane.com.

Sincerely,
Robert Regan
Project Manager

Encl.: Request for Proposals No. 312031 Package

DOCUMENT INDEX FOR RFP NO. 312031

PROPOSAL REQUIREMENTS

- RFP Cover Page
- RFP Cover Letter
- Documents Index
- Invitation to Propose (Legal Notice)
- Signature Page
- Fair Labor Practices Certification
- Requested Services and Business Information
- Equal Benefits Compliance Payment Certification

Attachments

- General locations of monitoring sites

LEGAL NOTICE

INVITATION TO PROPOSE

Dane County Public Works, Highway & Transportation Dept., 1919 Alliant Energy Center Way, Madison, WI 53713, will receive sealed Proposals until:

2:00 P.M., TUESDAY, DECEMBER 11, 2012

REQUEST FOR PROPOSALS NO. 312031

ENVIRONMENTAL MONITORING AT THREE DANE COUNTY LANDFILL SITES

Dane County is inviting Proposals for monitoring services. Work to include measuring groundwater, surface water and leachate elevations; collecting samples; analyzing samples; measuring methane, oxygen, carbon dioxide concentrations; submitting reports; etc. for three Dane County landfill sites.

Request for Proposals package may be obtained after **2:00 p.m. on Monday, November 19, 2012** at Dane County Public Works, Highway & Transportation Dept., 1919 Alliant Energy Center Way, Madison, WI 53713, by calling 608/266-4018, or downloading it from www.countyofdane.com/pwht/bid/logon.aspx. Please call Robert Regan, Project Manager, at 608/516-3159, for any questions or additional information.

All Proposers must be a registered vendor with Dane County & pay an annual registration fee & must be pre-qualified as a Best Value Contractor before award of Contract. Complete Vendor Registration Form at www.danepurchasing.com/registration or obtain one by calling 608/266-4131. Complete Pre-qualification Application for Contractors at www.countyofdane.com/pwht/BVC_Application.aspx or obtain one by calling 608/266-4018.

PUBLISH: NOVEMBER 19 & 26, 2012 - WISCONSIN STATE JOURNAL
NOVEMBER 19 & 26, 2012 - THE DAILY REPORTER



SIGNATURE PAGE

County of Dane
 DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
 Room 425, City-County Building
 210 Martin Luther King, Jr. Blvd.
 Madison, Wisconsin 53703
 (608) 266-4131

COMMODITY / SERVICE: Environmental Monitoring at Three Dane County Landfill Sites											
REQUEST FOR PROPOSAL NO.: 312031	PROPOSAL OPENING DUE DATE: 11/12/2012	BID BOND: N/A	PERFORMANCE BOND: N/A								
<p>PROPOSAL INVALID WITHOUT SIGNATURE THE UNDERSIGNED, SUBMITTING THIS PROPOSAL, HEREBY AGREES WITH ALL TERMS, CONDITIONS AND REQUIREMENTS OF THE ABOVE REFERENCED REQUEST FOR PROPOSAL, AND DECLARES THAT THE ATTACHED PROPOSAL AND PRICING ARE IN CONFORMITY THEREWITH.</p> <table border="1"> <tr> <td>SIGNATURE OF PROPOSER REQUIRED: (Do Not Type or Print)</td> <td>DATE:</td> </tr> <tr> <td>SUBMITTED BY: (Typed Name)</td> <td>TELEPHONE: (Include Area Code)</td> </tr> <tr> <td colspan="2">COMPANY NAME:</td> </tr> <tr> <td colspan="2">ADDRESS: (Street, City, State, Zip Code)</td> </tr> </table>				SIGNATURE OF PROPOSER REQUIRED: (Do Not Type or Print)	DATE:	SUBMITTED BY: (Typed Name)	TELEPHONE: (Include Area Code)	COMPANY NAME:		ADDRESS: (Street, City, State, Zip Code)	
SIGNATURE OF PROPOSER REQUIRED: (Do Not Type or Print)	DATE:										
SUBMITTED BY: (Typed Name)	TELEPHONE: (Include Area Code)										
COMPANY NAME:											
ADDRESS: (Street, City, State, Zip Code)											

CONTRACT COMPLIANCE PROGRAM WORKSHEET

- A. Dane County has an established Contract Compliance Program that encourages targeted groups identified below to do business with Dane County, and requires Dane County to actively solicit bids from these businesses.
- B. Information from your response to this worksheet will be entered in the Purchasing Division's Advanced Procurement Systems database to provide data that will be valuable to Dane County's Contract Compliance Program as well as establishing computerized bidder lists for future solicitations. All vendors will be added to the database whether or not they qualify as a targeted business.
- C. **Contract Compliance Program:** Following are abbreviated definitions of ethnic and group codes used by Contract Compliance Program. See reverse side for full definitions:
 - 1. DBE Disadvantaged Business Enterprise
 - 2. MBE Minority Business Enterprise
 - 3. WBE Women Business Enterprise
 - 4. ESB Emerging Small Business
- D. Please select category / categories that best describe your business by marking letter for each column in box provided at bottom of column:

<input type="checkbox"/> D	DBE	<input type="checkbox"/> B	African American	<input type="checkbox"/> L	Male	<input type="checkbox"/> E	ESB
<input type="checkbox"/> M	MBE	<input type="checkbox"/> H	Hispanic American	<input type="checkbox"/> F	Female		
<input type="checkbox"/> W	WBE	<input type="checkbox"/> N	Native American / American Indian				
		<input type="checkbox"/> A	Asian Pacific American				
		<input type="checkbox"/> I	Asian-Indian American				
↓		↓		↓		↓	
<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	

- E. I hereby certify that all of the above information given is true. If no category / categories are marked, I do not meet the requirements for any of the targeted groups.

Signature: _____ Date: _____

(over)

DANE COUNTY CONTRACT COMPLIANCE PROGRAM DEFINITIONS

- A. **Disadvantaged Business Enterprise (DBE):** A small business concern:
1. Which is at least fifty-one percent (51%) owned by one or more socially and economically disadvantaged individuals, or in the case of any publicly owned business, at least fifty-one percent (51%) of the stock of which is owned by one or more socially and economically disadvantaged individuals; and
 2. Whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it.
 3. Socially and Economically Disadvantaged Individuals:
 - a) Any person having a current Section 8 (a) Certification from the Small Business Administration is considered socially and economically disadvantaged.
 - b) Individuals who are citizens of the United States (of lawfully permanent residents) are socially and economically disadvantaged:
 - 1) Women;
 - 2) Black Americans, which includes persons having origins in any of the black racial groups of Africa;
 - 3) Hispanic Americans, which includes persons of Mexican, Puerto Rican, Cuban, Central, or South American, or other Spanish or Portuguese culture or origin, regardless of race;
 - 4) Native Americans, which includes persons who are American Indians, Eskimos, Aleuts, or Native Hawaiians;
 - 5) Asian-Pacific Americans, which includes persons whose origins are from Burma, Thailand, Malaysian, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia, the Philippines, Samoa, Guam, the U.S. Trust territories of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, or the Commonwealth of the Northern Mariana Islands; and
 - 6) Asian-Indian Americans, which includes persons whose origins are from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal.
- B. **Minority Business Enterprise (MBE):** A minority person(s) owned and controlled independent and valid business concern. A minority person(s) must own fifty-one percent (51%) of the business and must control the management daily operation of the business.
- C. **Women Owned Enterprise (WBE):** A woman or women owned and controlled independent and valid business concern. A woman or women must own fifty-one percent (51%) of the business and must control the management daily operation of the business.
- D. **Emerging Small Business (ESB):**
1. An independent business concern that has been in business for at least one (1) year.
 2. Business is located in the State of Wisconsin.
 3. Business is comprised of less than twenty-five (25) employees.
 4. Business must not have gross sales in excess of three million over the past three (3) years.
 5. Business does not have a history of failing to complete projects.

THIS PAGE IS FOR PROPOSERS' REFERENCE AND NEED NOT BE SUBMITTED WITH PROPOSAL.

PROPOSERS SHOULD BE AWARE OF THE FOLLOWING:

DANE COUNTY VENDOR REGISTRATION PROGRAM

Any person proposing on any County contract must be registered with the Dane County Purchasing Division & pay an annual registration fee. A contract will not be awarded to an unregistered vendor. Complete a Vendor Registration Form at:
www.danepurchasing.com/registration
or obtain one by calling 608/266-4131.

EQUAL BENEFITS REQUIREMENT

By submitting a Proposal, the contractor / consultant acknowledges that a condition of this contract is to provide equal benefits as required by Dane County Code of Ordinances Chapter 25.016. Contractor / Consultant shall provide equal benefits as required by that Ordinance to all required employees during the term of the contract. For more information: www.danepurchasing.com/partner_benefit.aspx

FAIR LABOR PRACTICES CERTIFICATION

The undersigned, for and on behalf of the BIDDER, APPLICANT or PROPOSER named herein, certifies as follows:

A. That he or she is an officer or duly authorized agent of the above-referenced BIDDER, APPLICANT or PROPOSER, which has submitted a proposal, bid or application for a contract with the county of Dane.

B. That BIDDER, APPLICANT or PROPOSER has (check one):

_____ not been found by the National Labor Relations Board (“NLRB”) or the Wisconsin Employment Relations Commission (“WERC”) to have violated any statute or regulation regarding labor standards or relations in the seven years prior to the signature date of this Certification.

_____ been found by the National Labor Relations Board (“NLRB”) or the Wisconsin Employment Relations Commission (“WERC”) to have violated any statute or regulation regarding labor standards or relations in the seven years prior to the signature date of this Certification.

Officer or Authorized Agent Signature

Date

Printed or Typed Name and Title

Printed or Typed Business Name

NOTE: You can find information regarding the violations described above at: www.nlr.gov and werc.wi.gov.

For reference, Dane County Ordinance 25.11(28)(a) is as follows:

(28) BIDDER RESPONSIBILITY. (a) Any bid, application or proposal for any contract with the county, including public works contracts regulated under chapter 40, shall include a certification indicating whether the bidder has been found by the National Labor Relations Board (NLRB) or the Wisconsin Employment Relations Committee (WERC) to have violated any statute or regulation regarding labor standards or relations within the last seven years. The purchasing manager shall investigate any such finding and make a recommendation to the committee, which shall determine whether the conduct resulting in the finding affects the bidder’s responsibility to perform the contract.

If you indicated that the NLRB or WERC have found you to have such a violation, you must include copies of any relevant information regarding such violation with your proposal, bid or application.

REQUESTED SERVICES AND BUSSINESS INFORMATION

ENVIRONMENTAL MONITORING AT DANE COUNTY LANDFILLS

SITE NO. 1 – VERONA (License No. 2680)

SITE NO. 2 – RODEFELD (License No. 3018)

TRUAX LANDFILL (License No. 3306)

I. GENERAL REQUIREMENTS

A. SCOPE OF WORK

1. Contractor shall furnish all labor, materials, equipment and services necessary to perform environmental monitoring at Dane County Landfill Site No. 1 (Verona), Site No. 2 (Rodefeld) and the Truax Landfill (see attached map for general locations) as called for in this Request For Proposals.
2. Environmental monitoring shall include, but not be limited to, the following items:
 - a. Measuring groundwater, surface water and leachate elevations at designated monitoring points;
 - b. Collecting representative water and leachate samples from designated monitoring points;
 - c. Filtering and preserving water samples when appropriate;
 - d. Analyzing samples for the parameters indicated in the RFP;
 - e. Measuring methane, oxygen, and carbon dioxide concentrations at designated monitoring points; and
 - f. Preparing and submitting a monitoring report to the Engineer.
3. Engineer shall provide assistance in locating the monitoring points at the time of initial sampling.

B. ENGINEER

The Engineer shall be the Dane County Public Works Department.

C. INTERPRETATION OF SPECIFICATIONS

Questions concerning this RFP shall be brought to the attention of the Engineer. If it should be found necessary, a written addendum shall be sent to each Contractor. Dane County shall not be held responsible for oral instructions.

D. ADDENDA

All addenda issued by the Engineer shall become part of the RFP and will be made part of the contract. Contractors shall acknowledge receipt of all addenda. The Engineer shall issue addenda no later than three (3) days prior to the submittal date for the RFP.

E. DAMAGES

The Contractor shall repair any and all damage to the monitoring points, buildings, grounds or equipment of Dane County by his operations or personnel at no expense to Dane County.

F. AWARD OF CONTRACT

1. The Proposal deemed to be most advantageous to Dane County will be accepted. The contract will be awarded based on qualifications and price.
2. Dane County reserves the right to award separate contracts for monitoring to be conducted at each of the landfills.
3. Dane County will hold interviews for potential firms if deemed necessary to make a decision once the proposals are received. These interviews will be held December 19, 2012.

G. MEASUREMENT AND PAYMENT

1. Measurement for payment shall be made at the discretion of the Engineer following each monitoring period.
2. Payments shall be made in accordance with the agreed upon unit prices.
3. Payments, in accordance with the unit prices, shall include full compensation for all equipment, tools, labor and incidentals necessary to complete the environmental monitoring.

H. ESTIMATED QUANTITIES

Estimated quantities indicated in the RFP are for planning purposes only and are not guaranteed.

I. LABORATORY CERTIFICATION

Contractor shall be aware that the Department of Natural Resources requires that all water quality tests specified in this RFP be conducted by a certified laboratory as defined in ss 144.95(1)(b) Wisc. Stats.

J. INFORMATION TO BE PROVIDED WITH THE RFP

The Contractor shall furnish all required information as indicated in this RFP.

K. CONTRACT PERIOD

1. The monitoring, as required by the Contract Documents and Specifications, shall be conducted during the 2013, 2014, and 2015 calendar years.
2. All monitoring shall be conducted within 15 days of the 15th of the given month.
3. The contract may be renewed for the 2016 and 2017 calendar years by mutual agreement of both contracting parties.
4. Dane County reserves the right to terminate the contract upon thirty (30) days notice in writing if, in the opinion of the Engineer, the work performed under the contract is not satisfactory.

L. PROPOSAL SUBMISSION

1. Proposals shall be submitted to Dane County Public Works, Highway & Transportation Dept., 1919 Alliant Energy Center Way, Madison, WI 53713.
2. Proposers shall submit four copies of the proposal.

II. ENVIRONMENTAL MONITORING

A. LANDFILL SITE NO. 1 (VERONA)

1. GROUNDWATER MONITORING SCHEDULE 1

a. Monitoring Wells (DNR ID)

MW12R (176)	MW12PR (183)	MW14 (114)	MW14P (184)	MW15 (115)
MW17P (185)	MW17R2 (201)	MW17P2 (209)	MW18R (186)	MW26 (126)
MW28 (178)	MW28P (187)	MW29 (179)	MW29P (180)	MW29P2(188)
MW30 (181)	MW31 (189)	MW32R (218)	MW33 (191)	MW33P (192)
MW35 (195)	MW35P (210)	MW36 (196)	MW36P (211)	MW37 (197)
MW38 (198)	MW38P (212)	MW39 (199)	MW40 (200)	

b. The above monitoring points shall be sampled and analyzed semiannually (May and November) for the following parameters:

00001 odor	00002 color
00003 turbidity	00010 field temperature C
00094 field conductivity @ 25C	00400 field pH
04189 groundwater elevation	22413 total hardness, filtered
39036 total alkalinity, filtered	VOCs (EPA Solid Waste Method 8260B)

2. GROUNDWATER MONITORING SCHEDULE 2

a. Monitoring Wells (DNR ID)

MW41 (202)	MW43 (204)	MW43P (213)	MW45 (216)	MW45P (217)
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b. Surface Water Monitoring Locations (DNR ID)

Millcreek – Downstream (169)
Mill Pond (160)

c. The above monitoring points shall be sampled and analyzed annually (May) for the following parameters:

00001 odor	00002 color
00003 turbidity	00010 field temperature C
00094 field conductivity @ 25C	00400 field pH
04189 groundwater elevation (wells only)	22413 total hardness, filtered
39036 total alkalinity, filtered	VOCs (EPA Solid Waste Method 8260B)

3. GROUNDWATER MONITORING SCHEDULE 3

a. Private Wells (DNR ID)

PW-1 Nesbitt (131) (semiannually)	PW-4 Zwiefel (134) (semiannually)
PW-6 Robinson (136) (semiannually)	PWQ – Beckfield (207) (annually)

b. The above monitoring points shall be sampled and analyzed semiannually (May and November) or annually (May) as noted for the following parameters:

00001 odor	00002 color
00003 turbidity	00010 field temperature
00094 field conductivity @ 25C	00400 field pH
VOCs (EPA Solid Waste Method 8260B)	

4. LEACHATE MONITORING

a. Leachate from the leachate tank (L-1) (DNR ID 182) shall be tested quarterly (February, May, August ,and November) for the following parameters:

00001 odor	00002 color
00003 turbidity	00010 field temperature
00094 field conductivity @ 25C	00150 suspended solids, total
00310 BOD5	00400 field pH
00665 phosphorus, total	

a. In addition, leachate from the leachate tank (L-1) (DNR ID 182) shall be tested semiannually (May and November) for the following parameters:

00340 COD, unfiltered	00410 alkalinity, total
00610 nitrogen, ammonia, total	00625 nitrogen, Kjeldahl, total
00900 hardness, total	00929 sodium, total
00940 chloride, total	00945 sulfate, total
01027 cadmium, total	01034 chromium, total
01051 lead, total	01055 manganese, total
01067 nickel, total	01092 zinc, total
01147 selenium, total	71900 mercury, total
74010 iron, total	VOCs (EPA Solid Waste Method 8260B)

b. In addition, leachate from the leachate tank (L-1) (DNR ID 182) shall be tested annually (May) for the following parameters.

SVOCs (EPA Solid Waste Method 8270D)

c. Leachate samples shall not be field filtered.

5. LEACHATE HEAD WELL MONITORING

a. Leachate elevation shall be measured in the following leachate head wells (DNR ID) semiannually (May and November):

GW1 (355)	GW2 (356)	GW3 (357)	GW4 (358)	GW5 (359)
GW6 (360)	GW7 (361)	GW8 (362)	GW9 (363)	GW11 (365)
GW12 (366)	GW13 (367)	GW14 (368)	GW15 (369)	GW16 (370)
GW17 (371)	GW18 (372)	GW19 (373)	GW23 (381)	GW24 (383)
GW25 (385)	GW26 (387)	GW27 (389)		

6. GAS MONITORING

a. Gas Probes (DNR ID)

GP-2 (301)	GP-4 (303)	GP-7 High(307)	GP-7 Low (308)
GP-12 (314)	GP-13 (333)	GP-14 (334)	GP-17 (337)
GP-18 (338)	GP-19 (339)	GP-20 (340)	GP-21 (341)
GP-22 (342)	GP-23 (343)	MW17P (185)	MW-28 (314)
MW-29P (315)	MW31 (189)	MW 32 (218)	MW 35 (195)
MW36 (196)	MW 37 (197)	MW 38 (198)	MW 39 (199)

The above gas probes shall be monitored monthly for percent methane (85547) and percent oxygen (85550).

b. Gas Probes (DNR ID)

GP-1 (300)	GP-3 (302)	GP-5 High (304)	GP-5 Low (305)
GP-6 (306)	GP-8 High (309)	GP-8 Low (378)	GP-10 (330)
GP-11 (331)	GP-15 (335)	GP-16 (336)	MW-30 (316)

The above gas probes shall be monitored quarterly (February, May, August, and November) for percent methane (85547) and percent oxygen (85550).

c. Gas Extraction System (DNR ID)

GW1 (355)	GW2 (356)	GW3 (357)	GW4 (358)	GW5 (359)
GW6 (360)	GW7 (361)	GW8 (362)	GW9 (363)	GW11 (365)
GW12 (366)	GW13 (367)	GW14 (368)	GW15 (369)	GW16 (370)
GW17 (371)	GW18 (372)	GW19 (373)	GW20 (374)	GW21 (375)
GW22 (376)	GW23 (381)	GW24 (383)	GW25 (385)	GW26 (387)
GW27 (389)	GW28 (400)	GW29 (401)	GW30 (402)	GW31 (403)
GW32 (404)	blower (377)	flare (405)		

The gas extraction system shall be monitored monthly for percent methane (85547), percent oxygen (85550), and well head pressure (46385). Carbon dioxide shall also be monitored and reported to Dane County only.

d. Gas Monitoring in Buildings (DNR ID)

Robinson basement (317)

The above monitoring locations shall be monitored semiannually (May and November) for percent methane (85547) and percent oxygen (85550).

e. The site conditions (DNR ID 399) (barometric pressure (00025), barometric trend (46381), air temperature (00011), wind speed and wind direction) shall be reported for each sampling date. These readings do not have to be taken on site and may be obtained from the nearest weather station.

B. LANDFILL SITE NO. 2 (RODEFELD)

1. GROUNDWATER MONITORING

a. Monitoring Wells (DNR ID)

M9A (012)	M9B (013)	M14A (017)	M14B (018)	M17A (019)
M17B (020)	M23 (023)	M25A (025)	M25BR (130)	M26A (027)
M26B (028)	M28 (034)	M29 (035)	WT-103A (045)	P-103B (047)
WT-105AR (126)	WT-108A (053)	P-108B (123)	WT-119A (065)	P-119B (067)
WT-201AR (124)	WT-202AR (132)	WT-202BR (134)	WT-203A (117)	WT-204A (118)
WT-205A (119)	WT-206AR (125)	WT-207A(121)	WT-208A (122)	

The above monitoring wells shall be sampled and analyzed semiannually (June and December) for the following parameters:

00940 chloride	04189 groundwater elevation
00400 field pH	00094 field conductivity @ 25C
39036 total alkalinity, filtered	22413 total hardness, filtered
00001 odor	00002 color
00003 turbidity	00010 field temperature

In addition, the above monitoring wells shall be sampled annually (June) for VOCs using EPA Solid Waste Method 8260B. The 4 Sub-title D wells listed above (M-17A, WT-103A, WT-105AR and WT-119A) shall be sampled semi-annually (June and December) for VOCs.

b. Groundwater Elevation Monitoring Wells

Monitoring wells M5A (005), M5B (006), M6A (007), M6B (008), M6C (009), M22 (022), WT-101A (040), P-101B (042), and WT-113A (057) shall be monitored for groundwater elevation (04189) only during the June sampling round.

c. Private Wells (DNR ID)

Community Well (098)	Crossroads Tavern (101)	S. Gundlach (104)
Suter (105)	R. Gundlach (106)	Stillman (107)
Hope Tavern (108)	Hope Church (109)	Leonhardt (110)
Alar (099)		

The above private wells shall be sampled and analyzed quarterly (March, June, September, December) for the following parameters:

00940 chloride	00010 field temperature
00400 field pH	00094 field conductivity @ 25C
74010 iron, total	00900 hardness, total
00410 alkalinity, total	00001 odor
00002 color	00003 turbidity

In addition, the above private wells shall be sampled and analyzed annually (June) for the following parameters:

01002 arsenic, total	01027 cadmium, total
00951 fluoride, total	71900 mercury, total
01077 silver, total	00630 NO ₂ + NO ₃ total, (as N)
01007 barium, total	01034 chromium, total
01051 lead, total	01042 copper, total
01147 selenium, total	01055 manganese, total
00929 sodium, total	01092 zinc, total
VOCs (EPA Solid Waste 8260B)	00945 sulfate, total

2. COLLECTION LYSIMETER MONITORING

a. Collection lysimeters (DNR ID)

lysimeter 1 (300)	lysimeter 2 (301)	lysimeter 3 (302)
lysimeter 4 (303)	lysimeter 6 (304)	

b. Collection lysimeters shall be sampled annually during June. The samples shall not be field filtered and shall be analyzed for the parameters listed below. If the quantity of a sample is not of sufficient volume to test for all listed parameters, priority shall be given to analyzing for: 1) Field pH, 2) Field Conductivity, 3) VOCs, and 4) Chloride.

00094 field conductivity @ 25C	01055 manganese, total
00400 pH-field	00630 NO ₂ + NO ₃ , total, (as N)
00340 COD, unfiltered	00929 sodium, total
00900 hardness, total	00945 sulfate, total
00410 alkalinity, total	74010 iron, total
00940 chloride	00001 odor
00002 color	00003 turbidity
VOCs (EPA Solid Waste Method 8260B)	

3. LEACHATE MONITORING

a. Leachate from metering vault (402) shall be sampled and analyzed quarterly (March, June, September, December) for the following parameters:

00001 odor	00002 color
00003 turbidity	00010 field temperature
00094 field conductivity @ 25C	00150 suspended solids, total
00310 BOD5	00340 COD, unfiltered
00400 pH-field	00410 alkalinity, total
00610 Total Ammonia Nitrogen	00655 phosphorus, total
00900 Hardness	

b. In addition, leachate shall be monitored semiannually (June and December) for VOCs (EPA Solid Waste Method 8260B):

c. In addition, leachate shall be monitored annually (June) for the following parameters:

00630 NO ₂ + NO ₃ , total, (as N)	00929 sodium, total
00940 chloride	00945 sulfate, total
00951 fluoride, total	01002 arsenic, total
01007 barium, total	01012 beryllium, total
01027 cadmium, total	01032 chromium, total
01037 cobalt, total	01042 copper, total
01047 selenium, total	01051 lead, total
01055 manganese, total	01059 thallium, total
01067 nickel, total	01077 silver, total
01087 vanadium, total	01092 zinc, total
01097 antimony, total	71900 mercury, total
74010 iron, total	

d. Leachate Headwells (DNR ID)

LHW-1 (517)	LHW-2 (518)	LHW-3R (599)
LHW-4 (520)	LHW-6N (521)	LHW-6S (522)
LHW-7N (523)	LHW-7S (524)	LHW-8N (600)
LHW-8S (602)		

The leachate head wells shall be monitored quarterly (March, June, September, December) for leachate head elevation (00023) and the depth of leachate above the liner (00031).

4. GAS MONITORING

a. Gas Monitoring Probes (DNR ID)

G-1 shallow (500)	G-1deep (501)	G-2 shallow (502)
G-2 deep (503)	G-3 shallow (504)	G-3 deep (505)
G-4 shallow (506)	G-4 deep (507)	G-5 shallow (508)
G-5 deep (509)	G-6 shallow (510)	G-6 deep (511)
G-7 (512)	G-8 (513)	G-9 (514)
G-10 (515)	G-11 (516)	G-12 (525)
G-13 (526)	G-14 (527)	G-15(528)
G-16 (529)	G-17 (700)	G-18 (701)
G-19 (702)	G-20 (703)	G-21 (704)
G-22 (705)	G-23 (706)	G-24 (707)
G-25 (708)	G-26 (709)	G-27 (710)

The above gas probes shall be monitored quarterly for percent methane (85547), percent oxygen (85550) and soil gas pressure (46389). The barometric pressure (00025), barometric trend (46381), wind speed and direction, air temperature (00011) and ground conditions shall be reported for the sampling date. These Site Conditions readings (DNR ID 999) do not have to be taken on site and may be obtained from the nearest weather station.

b. Gas Extraction Wells (DNR ID)

GW-1 (531)	GW-2R (571)	GW-3 (533)	GW-4R (593)	GW-5R (594)
GW-6 (536)	GW-7R (595)	GW-8R (596)	GW-9A (562)	GW-10R (597)
GW-11R (610)	GW-12R (620)	GW-13R (622)	GW-14R2 (634)	GW-15A (566)
GW-16R (598)	GW-17R (612)	GW-18 (548)	GW-19R (624)	GW-20R (626)
GW-21R (628)	GW-22R (614)	GW-23 (553)	GW-24 (554)	GW-25A (572)
GW-26A (573)	GW-27 (557)	GW-28R (574)	GW-29R (575)	GW-30R (576)
GW-31 (561)	GW-32 (577)	GW-33R (630)	GW-34R (632)	GW-35 (580)
GW-36 (581)	GW-37 (582)	GW-38 (583)	GW-39 (584)	GW-40 (585)
GW-47 (592)	GW-49 (606)	GW-50 (608)		

All gas extraction wells shall be monitored monthly for the following parameters:

85547 methane, percent	85550 oxygen, percent
46382 header pressure (inches of water)	46385 well head pressure (inches of water)
46386 flow rate (cfm)	46387 valve opening (percent open)
46388 gas temperature (degrees F)	

In addition, the gas sampling point at the west blower building (DNR ID 530), east blower building (698), and flare (699) shall be monitored monthly for the following parameters:

85547 methane, percent	85550 oxygen, percent
46382 header pressure (inches of water)	46386 flow rate (cfm)

The gas sampling point at the east and west blower buildings (DNR ID's 530 and 698) shall also be monitored annually during June for VOCs using EPA Method TO-14.

Carbon dioxide shall also be monitored monthly at gas extraction wells, blower building, and flare. These results are to be reported to Dane County only.

C. TRUAX LANDFILL

1. GROUNDWATER MONITORING

a. Monitoring Wells (DNR ID)

MW-3 (007)	MW-3A (009)	MW-4A (013)	MW-4B (015)	MW-5A (019)
MW-5B (021)	MW-10 (031)	MW-11 (063)	MW-12B (073)	MW-12C (077)
MW-14 (071)				

The above monitoring wells shall be sampled and analyzed semiannually (March and September) for the following parameters:

01056 manganese, filtered	00010 field temperature C
00400 field pH	00094 field conductivity @ 25C
01046 iron, filtered	22413 total hardness, filtered
39036 total alkalinity, filtered	72020 groundwater elevation
00631 nitrate + nitrite, filtered	00946 sulfate, filtered
01000 arsenic, filtered	01005 barium, filtered
01025 cadmium, filtered	01049 lead, filtered
00001 odor	00003 turbidity
00002 color	

In addition, the above monitoring wells shall be sampled annually (September) for VOCs using EPA Solid Waste Method 8260B.

b. Monitoring Wells (DNR ID)

MW-1 (001)	MW-1A (003)	MW-4 (011)	MW-5 (017)	MW-7 (025)
MW-13 (067)	MW-13A (069)	MW-15 (079)	TG-2 (035)	

The above monitoring wells shall be sampled and analyzed annually (September) for the following parameters:

01056 manganese, filtered	00010 field temperature C
00400 field pH	00094 field conductivity @ 25C
01046 iron, filtered	22413 total hardness, filtered
39036 total alkalinity, filtered	72020 groundwater elevation
00631 nitrate + nitrite, filtered	00946 sulfate, filtered
01000 arsenic, filtered	01005 barium, filtered
01025 cadmium, filtered	01049 lead, filtered
00001 odor	00003 turbidity
00002 color	

2. GAS CONDENSATE MONITORING

a. A gas condensate sample shall be taken at the lift station (DNR ID 770) annually (September) and analyzed for the following parameters:

00940 chloride	00150 total suspended solids
00400 field pH	00094 field conductivity @ 25C
74010 iron, total	00900 total hardness
00410 total alkalinity	00310 BOD5
01032 chromium, total	00945 sulfate, total
00340 COD, unfiltered	00951 fluoride, total
01027 cadmium, total	01051 lead, total
01055 manganese, total	71900 mercury, total
00610 total ammonia nitrogen	00625 total Kjeldahl nitrogen
00929 sodium, total	Base neutral/acid extractable EPA Method 8270
VOCs EPA Method 8260B	

III. MONITORING PROCEDURES

A. GENERAL

1. It shall be the Contractor's responsibility to ensure that the methods and procedures used while conducting environmental monitoring at the landfill sites are acceptable to the Department of Natural Resources, Bureau of Solid Waste Management.
2. The methods used for the sample collection, preservation and analysis shall be accomplished in accordance with standard methods for the examination of water and wastewater or other methods approved in writing by the Department of Natural Resources, Bureau of Solid Waste Management (NR 140, NR 149, PUBL-DG-036-96 and PUBL-DG-037-96).
3. Samples should be analyzed as soon as possible after collection. The maximum holding times for which a sample may be held before analysis must correspond to those given in Table F, NR 219.

B. QUALITY CONTROL/QUALITY ASSURANCE

1. The Contractor shall have quality control and quality assurance procedures in the field and in the laboratory to prevent contamination and ensure accurate results. The Contractor shall, at a minimum, meet all quality control and quality assurance requirements in NR 149.14 and NR 149.24.
2. The quality control program shall be documented and such documents shall be available, upon request, to the Engineer.
3. Intralaboratory quality control shall include routine analyses of reference standards, spikes and duplicates. Spikes and duplicates are to be analyzed on a minimum of 10 percent of the samples.
 - a. Quality control charts for precision and accuracy shall be kept for each parameter. Accuracy and precision charts shall be available upon request.
 - b. If the quality control limit is exceeded, the samples in that analysis batch must be reanalyzed and the quality control limit met. Quality control testing shall be at the Contractor's expense. Documentation shall be available to the Engineer, upon request, indicating that corrective action was taken to bring results back within limits.
4. Interlaboratory quality control using US EPA reference standards should be performed, at a minimum, on a quarterly basis.
5. Field quality control procedures shall include, at a minimum, the following:
 - a. Field duplicates shall be collected for every 10 samples collected.
 - b. A minimum of one field blank shall be collected at each Landfill site.
 - c. For trips involving organics sampling, a trip blank shall be collected for each cooler.
 - d. Analysis results for the above samples shall be made part of the monitoring report. The Engineer will not be charged for any blank results.
 - e. In cases where the field blank or trip blank show contamination at a significant level (i.e. above the PAL), resampling and analysis of affected wells, if deemed necessary by the Engineer, must be done at the Contractor's expense.

C. WATER LEVEL MEASUREMENT

1. Water elevations (MSL) shall be determined prior to sample collection.
2. Engineer will provide a reference elevation (MSL) at each monitoring point to aid in determining the water elevation. (Refer to attached sheet for well information.)

D. WATER SAMPLE COLLECTION AND PRESERVATION

1. Water samples shall be collected by personnel who have been specially trained in water sample collection methods.
2. Only new sampling containers shall be used.
3. Monitoring wells shall be purged immediately prior to collecting samples by removing at least four (4) volumes of standing water in each well. Contractor shall determine the volume of standing water in each well by measuring the distance from the top of the water table to the bottom of the well. Well purging shall be done in accordance with sampling procedures and guidelines contained in DNR publications PUBL-DG-037-96 and PUBL-DG-038-96.
4. Appropriate precautions shall be taken to prevent well contamination and to ensure that uncontaminated, representative water samples are taken.
5. Water samples from monitoring wells and surface water locations shall be field filtered through a 0.45-micron filter, except for the portion on which field pH, field conductivity and VOCs will be determined. Private well samples, leachate samples and collection lysimeter samples shall not be field filtered.
6. Water samples shall be preserved immediately after collection in accordance with standard methods and stored at temperatures at or below 4° C.
7. Samples shall be transported to the laboratory the same day they are collected.

E. WATER QUALITY ANALYSIS

1. The field pH of each sample shall be determined at the time of collection with an accurate portable pH meter.
2. The field conductivity (at 25° C) of each sample shall be determined at the time of collection with an accurate portable conductivity meter.
3. All other water quality parameters shall be determined in a laboratory using standard analytical methods and equipment as approved by the Department of Natural Resources.
4. All analyses shall have a LOD and LOQ below the PAL, or else produce the lowest available LOD and LOQ above the PAL.

F. GAS MONITORING

1. All gas monitoring points shall be monitored using standard methods approved by the Department of Natural Resources.
2. Gas monitoring shall be performed using meters capable of detecting methane, oxygen, and carbon dioxide concentrations of 0.1% or less.

IV. MONITORING REPORT

A. GENERAL

1. A monitoring report for each landfill site shall be prepared and submitted to the Engineer following each quarterly monitoring period, within 45 days of the date the monitoring was conducted.
2. The reports for Dane County Sites No. 1 and 2 shall contain the following information:
 - a. Name and qualifications of the persons conducting the monitoring.
 - b. Time and date of monitoring.
 - c. A description of the methods, procedures, and equipment used, including: (Note: a description of Standard Operating Procedures and standard equipment for both the field and laboratory needs to be submitted only once. The quarterly reports only need to discuss variations.)

- aa. Calculations of the amount of standing water in each well and the number of gallons that were removed before sampling;
 - bb. Procedures used to flush wells prior to collecting samples and the approximate time lapsed between flushing and sampling;
 - cc. Procedures for cleaning samplers (e.g. bailers) between wells and the order of well sampling;
 - dd. Equipment used to measure conductivity and pH in the field;
 - ee. Volume of samples collected; procedures used to filter the sample (if applicable) prior to analysis; and procedures for chemical preservation of samples;
 - ff. Methods for transporting samples to the lab; the time spent transporting the samples to the lab; and the time passed before the samples are analyzed in the lab.
 - gg. Groundwater and gas sampling field data sheets.
- d. Analytical procedures used in the lab for each required parameter, including make and model of any automated analytical equipment used. If procedures are exactly as described in published sources, reference may be listed to fulfill this requirement.
 - e. Water level elevations in MSL (include the measured distance from the top of the well casing to the water level and the measured distance from the top of the well casing to the bottom of the well).
 - f. Analytical results for each sample.
 - g. Historical summaries for all inorganic parameters at each sampling location that shows the last 8 rounds of data.
 - h. Historical summaries of detected VOCs at each sampling location that shows the last 8 rounds of data.
 - i. All required DNR submittal materials including the Groundwater Monitoring Data Certification sheets, data diskettes, and an exceedance summary table addressing the cause and significance of noted exceedances.
 - j. All trip blank or method blank detects (VOCs only).
 - k. Gas monitoring results.
 - l. Any problems encountered during the monitoring, including a list of any monitoring points not monitored and the reason why.
 - m. Any quality control problems encountered and a summary of any corrective actions taken.
3. The report for the Truax Landfill shall consist of:
- a. Monitoring data in DNR electronic format.
 - b. Field notes.
 - c. Laboratory analytical report.

DANE COUNTY SANITARY LANDFILL SITE NO. 1

WELL INFORMATION

Well Name (DNR ID)	Type of Well	Casing type	Casing I.D.	Well Depth (feet)	Top of Well Casing	Approximate Watertable
MW12PR (183)	PIEZ	PVC	2"	62	979.61	948
MW12R (176)	OW	PVC	2"	40.15	980.22	948
MW14 (114)	OW	PVC	2"	46	991.71	950
MW14P (184)	PIEZ	PVC	2"	81.2	991.70	949
MW15 (115)	OW	PVC	2"	53	990.83	949
MW17P (185)	PIEZ	PVC	2"	52.8	962.90	948
MW17P2 (209)	PIEZ	PVC	2"	92.2	963.08	948
MW17R2 (201)	OW	PVC	2"	22.3	962.57	948
MW18R (186)	OW	PVC	2"	31	974.88	948
MW26 (126)	OW	PVC	2"	41.5	985.36	949
MW28 (178)	OW	PVC	2"	53.4	999.06	951
MW28P (187)	PIEZ	PVC	2"	83.2	998.73	949
MW29 (179)	OW	PVC	2"	44.6	991.31	958
MW29P (180)	PIEZ	PVC	2"	61.2	991.40	949
MW29P2 (188)	PIEZ	PVC	2"	124	990.16	949
MW30 (181)	OW	PVC	2"	54.05	990.90	949
MW31 (189)	OW	PVC	2"	53.7	991.82	949
MW32R (218)	OW	PVC	2"	38.2	980.23	955
MW33 (191)	OW	PVC	2"	34.08	973.39	948
MW33P (192)	PIEZ	PVC	2"	56.15	973.27	948
MW35 (195)	OW	PVC	2"	33.15	974.68	948
MW35P (210)	PIEZ	PVC	2"	56.6	975.50	948
MW36 (196)	OW	PVC	2"	64.5	996.81	949
MW36P (211)	PIEZ	PVC	2"	78.6	996.06	949
MW37 (197)	OW	PVC	2"	64.1	1004.72	949
MW38 (198)	OW	PVC	2"	53.0	993.77	955
MW38P (212)	PIEZ	PVC	2"	76.0	993.07	955
MW39 (199)	OW	PVC	2"	57.5	1001.87	948
MW40 (200)	OW	PVC	2"	74.4'	1007.61	948
MW41 (202)	OW	PVC	2"	17.6	966.50	951
MW43 (204)	OW	PVC	2"	18.6	953.62	944
MW43P (213)	PIEZ	PVC	2"	76.6	953.36	949
MW45 (216)	OW	PVC	2"	42.5	986.79	951
MW45P (217)	PIEZ	PVC	2"	75	986.70	951

DANE COUNTY SANITARY LANDFILL SITE NO. 2

WELL INFORMATION

Well Name (DNR ID)	Type of Well	Casing type	Casing I.D.	Well Depth (feet)	Top of Well Casing	Approximate Watertable
M5A (005)	OW	PVC	2"	16	864.30	858
M5B (006)	PIEZ	PVC	2"	38	864.30	858
M6A (007)	OW	PVC	2"	20	864.50	859
M6B (008)	PIEZ	PVC	2"	36	864.60	859
M6C (009)	PIEZ	PVC	2"	56	864.60	859
M9A (012)	OW	PVC	2"	29.05	876.60	860
M9B (013)	PIEZ	PVC	2"	55.75	875.90	860
M14A (017)	OW	PVC	2"	17.56	866.00	859
M14B (018)	PIEZ	PVC	2"	44.5	866.00	859
M17A (019)*	OW	PVC	2"	29.6	882.20	866
M17B (020)	PIEZ	PVC	2"	45.9	882.40	866
M22 (022)	OW	PVC	2"	25.71	869.47	859
M23 (023)	OW	PVC	2"	27	882.44	864
M25A (025)	OW	PVC	2"	20.15	870.73	860
M25BR (130)	PIEZ	PVC	2"	52.6	871.80	860
M26A (027)	OW	PVC	2"	19.0	870.85	860
M26B (028)	PIEZ	PVC	2"	36.35	870.85	860
M28 (034)	OW	PVC	2"	40.9	887.91	860
M29 (035)	OW	PVC	2"	57.3	906.22	861
WT-101A (040)	OW	PVC	2"	17.2	867.50	860
P-101B (042)	PIEZ	PVC	2"	42	867.46	860
WT-103A (045)*	OW	PVC	2"	17.45	866.82	859
P-103B (047)	PIEZ	PVC	2"	41.75	866.99	859
WT-105AR (126)*	OW	PVC	2"	17.7	869.79	860
WT-108A (053)	OW	PVC	2"	27.1	879.80	861
P-108B (123)	PIEZ	PVC	2"	44.8	880.11	860
WT-113A (057)	OW	PVC	2"	17.2	867.13	860
WT-119A (065)*	OW	PVC	2"	27.95	881.54	861
P-119B (067)	PIEZ	PVC	2"	51.6	881.59	861
WT-201AR (124)	OW	PVC	2"	15.3	869.60	860
WT-202A (115)	OW	PVC	2"	17.9	870.55	860
P-202B (116)	PIEZ	PVC	2"	34.9	866.03	860
WT-202AR (132)	OW	PVC	2"	16.2	866.50	860
WT-202BR (134)	PIEZ	PVC	2"	38	866.50	860
WT-203A (117)	OW	PVC	2"	20.5	870.91	860
WT-204A (118)	OW	PVC	2"	22.1	873.51	860
WT-205A (119)	OW	PVC	2"	23.95	872.82	861
WT-207A (121)	OW	PVC	2"	15.25	865.40	861
WT-208A (122)	OW	PVC	2"	26.27	878.71	862
LHW1 (517)	Leachate head	STEEL	4"	104	983.38	
LHW2 (518)	Leachate head	STEEL	4"	87	966.25	
LHW3R (599)	Leachate head	STEEL	4"	63	949.51	
LHW4 (520)	Leachate head	STEEL	4"	62	944.95	

* Subtitle D wells.

TRUAX LANDFILL SITE

WELL INFORMATION

Well Name (DNR ID)	Type of Well	Casing type	Casing I.D.	Well Depth (feet)	Top of Well Casing	Approximate Watertable
MW-1 (001)	OW	PVC	2"	21.4	858.43	840
MW-1A (003)	PIEZ	PVC	2"	202.3	858.33	
MW-3 (007)	OW	PVC	2"	65.0	881.3	830
MW-3A (009)	PIEZ	PVC	2"	128.1	881.6	
MW-4 (011)	OW	PVC	2"	20.2	860.89	845
MW-4A (013)	PIEZ	PVC	2"	193.3	860.55	
MW-4B (015)	PIEZ	PVC	2"	279.4	859.91	
MW-5 (017)	OW	PVC	2"	19.9	856.31	840
MW-5A (019)	PIEZ	PVC	2"	177.2	855.53	
MW-5B (021)	PIEZ	PVC	2"	349.4	855.67	
MW-7 (025)	OW	PVC	2"	17.5	852.68	840
MW-10 (031)	OW	PVC	2"	17.8	859.57	845
MW-11 (063)	OW	PVC	2"	45.5	877.57	840
MW-12B (073)	OW	PVC	2"	60.6	881.10	
MW12C (077)	PIEZ	PVC	2"	87	880.80	
MW-13 (067)	OW	PVC	2"	65.4	893.61	840
MW-13A (069)	PIEZ	PVC	2"	149.0	893.67	
MW-14 (071)	OW	PVC	2"	29.7	864.79	840
MW-15 (079)	OW	PVC	2"	54	886.14	840
TG-2 (035)	PIEZ	PVC	2"	27.2	861.09	

The following information must be submitted along with the proposal:

1. Description of qualifications, experience, organization and resources.
2. A brief list of similar work previously completed with the name, address and telephone number of the client for whom the work was done.
3. A detailed description of the monitoring procedures and sampling protocol (including equipment) to be used while performing the environmental monitoring as required by this RFP.
4. The analytical procedures to be used while conducting water quality analyses.
5. Test methods to be used for VOC analyses and the applicable detection limits.
6. Blind performance results on Wisconsin State Lab of Hygiene and U.S. EPA performance evaluation samples for the past year.
7. A description of the quality control and quality assurance programs to be used while performing the environmental monitoring as required by this RFP.
8. Representative accuracy and precision control charts and/or tables from the past year for all parameters (groundwater matrix only).
9. A unit price and a total price for each item.

LANDFILL SITE NO. 1

ITEM	ESTIMATED QUANTITY PER YEAR	UNIT PRICE	TOTAL PRICE
1. Water Level Measurement	63	\$	\$
2. Water Sample Collection and Preservation	76	\$	\$
3. Water Quality Analysis			
a. color	76	\$	\$
b. odor	76	\$	\$
c. turbidity	76	\$	\$
d. field pH	76	\$	\$
e. field temperature	76		
f. COD	2	\$	\$
g. hardness	67	\$	\$
h. alkalinity	67	\$	\$
i. field conductivity	76	\$	\$
j. chloride	2	\$	\$
k. cadmium	2	\$	\$
l. chromium, total	2	\$	\$
m. lead	2	\$	\$
n. mercury	2	\$	\$
o. selenium	2	\$	\$
p. total ammonia nitrogen	2	\$	\$
q. total Kjeldahl nitrogen	2	\$	\$
r. sulfate	2	\$	\$
s. zinc	2	\$	\$
t. sodium	2	\$	\$
u. manganese	2	\$	\$
v. phosphorus	4	\$	\$
w. BOD ₅	4	\$	\$
x. total suspended solids	4	\$	\$
y. nickel	2	\$	\$
z. total iron	2	\$	\$
aa. VOC's (8260)	74	\$	\$
bb. VOC's (8270)	1	\$	\$
4. Gas Monitoring Probes	336	\$	\$
5. Gas Monitoring Wells	396	\$	\$
6. Leachate Head Elevation	46	\$	\$
7. Basement Monitoring	2	\$	\$
8. Monitoring Report	4	\$	\$

LANDFILL SITE NO. 1 TOTAL (Sum of TOTAL PRICE Amounts):	\$
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LANDFILL SITE NO. 2

ITEM	ESTIMATED QUANTITY PER YEAR	UNIT PRICE	TOTAL PRICE
1. Water Level Measurement	67	\$	\$
2. Water Sample Collection and Preservation	107	\$	\$
3. Water Quality Analysis			
a. color	107	\$	\$
b. odor	107	\$	\$
c. turbidity	107	\$	\$
d. field pH	107	\$	\$
e. COD	9	\$	\$
f. hardness	107	\$	\$
g. alkalinity	107	\$	\$
h. field conductivity	107	\$	\$
i. field temperature	102	\$	\$
j. chloride	104	\$	\$
k. arsenic	11	\$	\$
l. barium	11	\$	\$
m. cadmium	11	\$	\$
n. chromium	11	\$	\$
o. fluoride	11	\$	\$
p. lead	11	\$	\$
q. mercury	11	\$	\$
r. selenium	11	\$	\$
s. silver	11	\$	\$
t. copper	11	\$	\$
u. NO ₂ + NO ₃ (as N)	16	\$	\$
v. total ammonia nitrogen	4	\$	\$
w. sulfate	16	\$	\$
x. zinc	11	\$	\$
y. sodium	16	\$	\$
z. manganese	16	\$	\$
aa. phosphous	4	\$	\$
bb. BOD ₅	4	\$	\$
cc. total suspended solids	4	\$	\$
dd. nickel	1	\$	\$
ee. total iron	46	\$	\$
ff. beryllium, total	1	\$	\$
gg. thallium, total	1	\$	\$
hh. antimony, total	1	\$	\$
ii. cobalt, total	1	\$	\$
kk. vanadium, total	1	\$	\$
ll. VOC's (8260)	50	\$	\$
4. Gas Monitoring Probes	132	\$	\$
5. Gas Monitoring Wells	552	\$	\$
6. Gas Sample EPA TO-14	2	\$	\$
7. Leachate Head Elevation	40	\$	\$
8. Monitoring Report	4	\$	\$

LANDFILL SITE NO. 2 TOTAL (Sum of TOTAL PRICE Amounts):	\$
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TRUAX LANDFILL

ITEM	ESTIMATED QUANTITY PER YEAR	UNIT PRICE	TOTAL PRICE
1. Water Level Measurement	31	\$	\$
2. Water Sample Collection and Preservation	32	\$	\$
3. Water Quality Analysis			
a. color	31	\$	\$
b. odor	31	\$	\$
c. turbidity	31	\$	\$
d. field pH	32	\$	\$
e. COD	1	\$	\$
f. hardness	32	\$	\$
g. alkalinity	32	\$	\$
h. field conductivity	32	\$	\$
i. dissolved iron	31	\$	\$
j. chloride	1	\$	\$
k. arsenic	31	\$	\$
l. barium	31	\$	\$
m. cadmium	32	\$	\$
n. fluoride	1	\$	\$
o. lead	32	\$	\$
p. mercury	1	\$	\$
q. nitrogen, total dissolved	1	\$	\$
r. NO ₂ + NO ₃ , filtered	31	\$	\$
s. total Kjeldahl nitrogen	1	\$	\$
t. sulfate	32	\$	\$
u. sodium	1	\$	\$
v. manganese	32	\$	\$
w. BOD ₅	1	\$	\$
x. total suspended solids	1	\$	\$
y. total iron	1	\$	\$
z. chromium, total	1	\$	\$
aa. VOC's (8270)	1	\$	\$
bb. VOC's (8260)	12	\$	\$
4. Monitoring Report	4	\$	\$

TRUAX LANDFILL TOTAL (Sum of TOTAL PRICE Amounts):	\$
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EQUAL BENEFITS COMPLIANCE PAYMENT CERTIFICATION

PURPOSE

25.016(8) of the Dane County Ordinance requires that each contractor receiving payment for contracted services must certify that he or she has complied fully with the requirements of Chapter 25.016 “Equal Benefits Requirement” of the Dane County Ordinances. Such certification must be submitted prior to the final payment on the contract.

This form should be included with a copy of the final contract invoice forwarded to your contract representative at Dane County.

CERTIFICATION

I, _____ certify that
Printed or Typed Name and Title

Printed or Typed Name of Contractor

has complied fully with the requirements of Chapter 25.016 of the Dane County Ordinances “Equal Benefits Requirements”.

Signed _____

Date _____

For questions on this form, please contact Chuck Hicklin at 608-266-4109 or your contract representative at Dane County.

General locations of monitoring sites

