

# Dane County Contract Cover Sheet

*Res 468  
Significant*

<b>Dept./Division</b>	Dane County Department of Waste & Renewables
<b>Vendor Name</b>	SCS Engineers
<b>Vendor MUNIS #</b>	21897
<b>Brief Contract Title/Description</b>	Addendum Contract to RFP #317043, Contract #13260 for additional scope of work
<b>Contract Term</b>	1/1/2020-12/31/22
<b>Total Contract Amount</b>	\$ 132,072.00

<b>Contract #</b> <small>Admin will assign</small>	<b>13260C</b>
<b>Addendum</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Type of Contract</b>	
<input checked="" type="checkbox"/>	<b>Dane County Contract</b>
<input type="checkbox"/>	<b>Grant</b>
<input type="checkbox"/>	<b>County Lessee</b>
<input type="checkbox"/>	<b>County Lessor</b>
<input type="checkbox"/>	<b>Intergovernmental</b>
<input type="checkbox"/>	<b>Purchase of Property</b>
<input type="checkbox"/>	<b>Property Sale</b>
<input type="checkbox"/>	<b>Other</b>

<b>Purchasing Authority</b>	<input type="checkbox"/> <b>\$10,000 or under – Best Judgment</b> (1 quote required)	
	<input type="checkbox"/> <b>Between \$10,000 – \$36,000 (\$0 – \$25,000 Public Works)</b> (3 quotes required)	
	<input checked="" type="checkbox"/> <b>Over \$36,000 (\$25,000 Public Works)</b> (Formal RFB/RFP required)	<b>RFB/RFP #</b> 317043
	<input type="checkbox"/> <b>Bid Waiver – \$36,000 or under</b> (\$25,000 or under Public Works)	
	<input type="checkbox"/> <b>Bid Waiver – Over \$36,000</b> (N/A to Public Works)	
<input type="checkbox"/> <b>N/A – Grants, Leases, Intergovernmental, Property Purchase/Sale, Other</b>		

MUNIS Req.	Org Code	SWADMPRJ	Obj Code	21116	Amount	\$ 12,158
<b>Req #</b> 89	Org Code	SWADMPRJ	Obj Code	21116	Amount	\$ 45,448
<b>Year</b> 2020	Org Code	AIRINDUS	Obj Code	31375	Amount	\$ 25,670

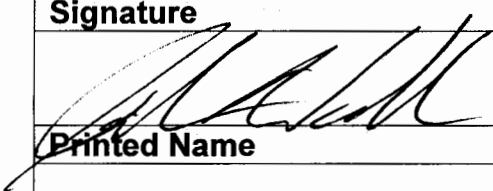
<b>Resolution</b>	<b>A resolution is required if the contract exceeds \$100,000 (\$40,000 Public Works). A copy of the Resolution must be attached to the contract cover sheet.</b>	
	<input type="checkbox"/> Contract does not exceed \$100,000 (\$40,000 Public Works) – a resolution is not required.	
	<input checked="" type="checkbox"/> Contract exceeds \$100,000 (\$40,000 Public Works) – resolution required.	<b>Res #</b> 468
<input type="checkbox"/> A copy of the Resolution is attached to the contract cover sheet.		<b>Year</b> 2019

Contract Review/Approvals				
Initials	Dept.	Date In	Date Out	Comments
<i>NG</i>	Received by DOA	1/24/20		
<i>ca</i>	Controller		1/27/20	
<i>PCP</i>	Purchasing	1/30/20	1/30/20	<i>Increase 2020 Req upon execution - Req 98 Req 42</i>
<i>PCP</i>	Corporation Counsel	1/28/2020	1/29/2020	
<i>DL</i>	Risk Management	1/29/2020	1/30/2020	
	County Executive			

Dane County Dept. Contact Info		Vendor Contact Info	
<b>Name</b>	Roxanne Wienkes	<b>Name</b>	Chris Jimieson
<b>Phone #</b>	608-509-6681	<b>Phone #</b>	608-216-7367
<b>Email</b>	wienkes.roxanne@countyofddane.com	<b>Email</b>	cjimieson@scsengineers.com
<b>Address</b>	1919 Alliant Energy Center Way Madison WI 53713	<b>Address</b>	2830 Dairy Dr Madison WI 53718


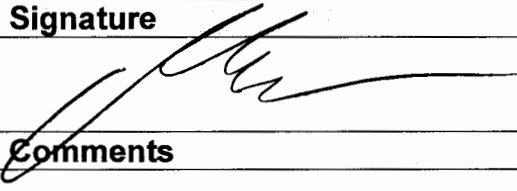
<b>Certification:</b> The attached contract is a:	
<input checked="" type="checkbox"/>	Dane County Contract <u>without</u> any modifications.
<input type="checkbox"/>	Dane County Contract <u>with</u> modifications. <b>The modifications have been reviewed by:</b>
<input type="checkbox"/>	Non-standard contract.

## Contract Cover Sheet Signature

Department Approval of Contract		
<b>Dept. Head / Authorized Designee</b>	<b>Signature</b>	<b>Date</b>
		
	<b>Printed Name</b>	1/22/2020
John Welch		

## Contracts Exceeding \$100,000

Major Contracts Review – DCO Sect. 25.11(3)

<b>Director of Administration</b>	<b>Signature</b>	<b>Date</b>
		
<b>Comments</b>		
<b>Corporation Counsel</b>	<b>Signature</b>	<b>Date</b>
		
<b>Comments</b>		

CONTRACT ADDENDUM FOR SCS ENGINEERS

The Department of Waste & Renewables awarded a contract to SCS Engineers for Environmental Monitoring Services at the Dane County No 1. and No. 2 Landfills and the Truax Landfill (Contract #13260).

The following change is requested: Contract Addendum to the Master Agreement at an additional cost of \$132,072.00. This cost is for additional services that will be provided as outlined on the Provider estimates in accordance with the terms and conditions that were originally agreed upon within the Master Agreement.

**NOW, THEREFORE, BE IT RESOLVED** that the Contract Addendum for a total increase of \$132,072.00 be approved to the Contract for SCS Engineers for the above listed changes; and

**BE IT FURTHER RESOLVED** that the County Executive and the County Clerk be authorized and directed to sign the Contract Amendment; and

**BE IT FINALLY RESOLVED** that the Department of Waste & Renewables be directed to ensure complete performance of the Contract Amendment.



**DANE COUNTY CONTRACT ADDENDUM**

**THIS ADDENDUM**, made and entered into effective as of the date by which both parties hereto have executed this document, by and between the County of Dane (hereinafter referred to as "County") and SCS Engineers (hereinafter, "Provider").

**WITNESSETH:**

**WHEREAS** Provider and County, by a separate document (hereinafter, the "Master Agreement"), Dane County Contract # 13260, have previously entered into a contractual relationship pursuant to which Provider, and

**WHEREAS** County and Provider wish to amend the Master Agreement in order to install additional gas monitoring probes at the Truax Landfill and perform additional environmental monitoring services at the Verona (Site No. 1) and Rodefild (Site No. 2) Landfills.

**NOW, THEREFORE**, in consideration of the above premises and the mutual covenants of the parties hereinafter set forth, the receipt and sufficiency of which is hereby acknowledged by each party for itself, the parties do agree as follows:

1. The Master Agreement shall remain in full force and effect unchanged in any manner by this addendum except as changes are expressly set forth herein. This addendum shall control only to the extent of any conflict between the terms of the Master Agreement and this addendum.
2. The attached scope of services included in Exhibit A, dated November 19, 2019, shall be performed by the Provider to install and document three additional gas monitoring probes at the Truax Landfill.
3. The Provider shall perform gas monitoring as outlined in Section II.B.4.b of Schedule A of the Master Agreement at the additional gas extraction wells installed at the Rodefild Landfill for 2019 and each year remaining in the contract term. For 2020, 2021, and 2022, it shall be assumed that an additional 5 gas extraction wells will be installed each year for the purposes of this Addendum.
  - a. Leachate levels shall also be obtained on a quarterly basis at the gas extraction wells
4. The Provider shall increase the frequency of leachate head level monitoring outlined in Section II.B.3.d of Schedule A of the Master Agreement from quarterly to monthly at the Rodefild Landfill for 2019 and each year remaining in the contract term.



## DANE COUNTY CONTRACT ADDENDUM

5. The Provider shall prepare and submit the environmental monitoring data on a quarterly basis to the WDNR GEMS database for the Verona and Rodefild Landfills for the remainder of the term of the Contract or unless otherwise indicated by the County.
6. The attached scope of services (Task 1 and 2 in Exhibit B), dated January 20, 2020, for surface emissions monitoring, shall be performed by the Provider at the Rodefild Landfill. Surface emissions monitoring services shall include the second 10-day and 30-day remonitoring events for the fourth quarter 2019 surface emissions monitoring at the Rodefild Landfill. Provider shall also perform four quarterly surface monitoring events for 2020 and any subsequent re-monitoring events. County reserves the right to self-perform this scope of services and intends to do so for contract years 2021 and 2022.
7. The attached scope of services (Task 3 in Exhibit B) dated January 20, 2020, for MMSD Permit Monitoring and Reporting shall be performed by the Provider for each of the remaining years of the contract term.
8. County shall increase the contract amount by \$132,072.00 as outlined below.

Rodefild						
Category	Description	Initial Contract Cost	2019 Estimate	2020 Estimate	2021 Estimate	2022 Estimate
Gas/Leachate	Increased scope and cost projections assuming five additional gas extraction wells added each year. Scope of work also increased in 2019 to include obtaining monthly leachate levels (vs quarterly) and quarterly leachate levels at gas wells. Gas and leachate monitoring at each new location estimated at \$1,600 per year.	\$19,164	\$28,122	\$29,272	\$30,872	\$32,472
Groundwater	2020 and beyond Includes additional scope for baseline monitoring of MW208RR that was added due to the RNG Plant.	\$19,411	\$19,411	\$21,071	\$21,071	\$21,071
Reporting	Prepare/send GEMS submittals to WDNR on a quarterly basis and includes additional monitoring points to report in comparison to the 2017 scope of work.	\$14,000	\$17,200	\$20,000	\$20,000	\$20,000
MMSD Sampling	MMSD sampling at an additional cost of \$4,230 each remaining year of the contract term.	--	--	\$4,230	\$4,230	\$4,230
Surface Emissions Monitoring	Provider to assist with surface emissions monitoring for 2020. Cost estimate includes SCS labor and expenses only and assumes equipment will be purchased by County. County expected to take over this scope in 2021 and beyond.	--	--	\$23,450	--	--
<b>Total</b>		<b>\$52,575</b>	<b>\$64,733</b>	<b>\$98,023</b>	<b>\$76,173</b>	<b>\$77,773</b>
<b>Initial Contract Cost</b>		<b>\$52,575</b>	<b>\$52,575</b>	<b>\$52,575</b>	<b>\$52,575</b>	<b>\$52,575</b>
<b>Difference</b>		<b>\$0</b>	<b>\$12,158</b>	<b>\$45,448</b>	<b>\$23,598</b>	<b>\$25,198</b>
<b>Rodefild Addendum Amount</b>				<b>\$106,402</b>		



### DANE COUNTY CONTRACT ADDENDUM

Truax						
Category	Description	Original Contracted Amount	2019 Estimate	2020 Estimate	2021 Estimate	2022 Estimate
Gas Probe Monitoring Installation	Scope outlined in Exhibit A.	--	\$25,670	--	--	--
<b>Total</b>			<b>\$25,670</b>			
<b>Truax Addendum Amount</b>			<b>\$25,670</b>			

<b>Rodefeld Addendum Amount</b>	<b>\$108,402</b>
<b>Truax Addendum Amount</b>	<b>\$25,670</b>
<b>Rodefeld and Truax Addendum Amount</b>	<b>\$132,072</b>

**IN WITNESS WHEREOF**, the parties, by their respective authorized representatives, have set their hands and seals as of the dates set forth below.

**FOR PROVIDER:**

*SL Clark*  
 Sherman Clark, Vice President

1-22-2020  
 Date Signed

**FOR COUNTY:**

\_\_\_\_\_  
 Joseph T. Parisi, Dane County Executive

\_\_\_\_\_  
 Date Signed

## **SCOPE OF SERVICES**

### **Truax Landfill Monitoring Point Updates, Gas Probe Installations, and Plan Modification/Monitoring Point Documentation November 15, 2019**

As requested, SCS Engineers (SCS) is providing the following scope of services and estimated costs for changes to the gas probe and monitoring well networks at the Truax Landfill, Madison, Wisconsin.

#### **TASK 1 – EXISTING PROJECT SCOPE ADDITIONS**

This task includes out of scope work performed for the monitoring point modifications made earlier this year, including:

- Gas probe construction design modifications, including communications with Dane County (County) and the Wisconsin Department of Natural Resources (WDNR). Probe changes were necessary due to the depth to groundwater.
- Review of Madison Gas & Electric (MG&E) access agreement and additional communications related to monitoring points on the neighboring MG&E property.
- Additional coordination with the County and others regarding access to monitoring points on other properties (e.g., leased properties and right-of-ways).
- Establishing an additional survey control point to provide appropriate GPS calibration for surveying of new gas probes.
- Updating the site map with survey control point information.
- Obtaining WDNR monitoring point IDs for the new gas probes.
- Additional research to acquire well and gas probe construction documentation to document abandoned points.

#### **TASK 2 – MONITORING POINT UPDATES/GAS PROBE INSTALLATIONS**

SCS will perform the following work:

- Attend site visit with the County to discuss gas probe and monitoring point work.
- Review and update site-specific health and safety plan.
- Communicate with the County and evaluate new gas probe construction details.



November 15, 2019

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- Coordinate with drilling contractor.
- Clear proposed gas probe installations, gas probe adjustments, and the monitoring well repair locations through Digger's Hotline.
- Install three new gas probes near GP-3S. Soil at each boring will be continuously sampled and SCS will log soil characteristics on WDNR boring log forms using the Unified Soil Classification System (USCS). The new gas probes will be constructed with 1- or 2-inch PVC casing to an estimated depth of 15 feet below ground surface (bgs), with approximately 10 feet of PVC screen, and a locking steel protective casing. A construction form will be prepared for each gas probe.
- Install monitoring point labels and PVC caps with sample ports on each of the new gas probes.
- Survey casing elevation, ground surface elevation, and location of each new gas probe.
- Adjust existing gas probes GP-19, GP-20, and GP-21 to be stick-ups instead of flush-mount gas probes.
- Repair damaged monitoring well MW-3A. The existing casing is bent/damaged near the ground surface.
- Abandon two unmarked monitoring points near CP-101 off the northwest corner of the Truax Landfill.
- Manage waste materials. PVC casing and protective casings removed during abandonment work will be disposed or recycled as appropriate. Soil cuttings from gas probe installation work will be spread on the ground surface adjacent to each gas probe.

### **ASSUMPTIONS:**

- The County will mark proposed gas probe locations in the field prior to the site visit.
- Gas probes will be constructed similar to probes GP-31 through GP-35.
- The four survey control points established in May 2019 remain functional.
- The County will mark and notify SCS of any private utilities in the vicinity of new gas probes prior to construction.
- The County will acquire access to the gas probe and monitoring well locations as necessary.
- The County will provide locks for the gas probes prior to construction.
- Drill cuttings from new gas probe installations can be spread on the ground next to each gas probe.



- Additional potential monitoring well abandonments from the plan modification letter are not included in the subcontractor costs associated with this work scope. These abandonments would be conducted in the Spring, if approved.

### TASK 3 – PLAN MODIFICATION/MONITORING POINT DOCUMENTATION REPORT

SCS will update the existing monitoring point documentation report (from first part of the work in May 2019) to be a plan modification. The plan modification will include the following information:

- Summary of methods for the monitoring point updates and gas probe installation work.
- Updated map showing monitoring point locations.
- Additions and updates to the boring logs, gas probe construction forms, well abandonment forms, and well information form.
- Updated survey results in tabular format.
- Addition of PE and PG Certifications.
- Addition of groundwater quality evaluation for monitoring plan reduction (from the past 10 years of monitoring)
- Addition of other monitoring points water quality evaluation for monitoring plan reduction (from the past 10 years of monitoring)
- Limited evaluation on gas monitoring points for monitoring plan reduction (from the past 10 years of monitoring)
- Addition of proposed monitoring tables.

SCS will provide additional documentation from the November 2019 field work to the existing monitoring point documentation report/plan modification to include the following information:

- Summary of methods and findings for monitoring well (MW-3A) fix; raising gas probes GP-19, GP-20, and GP-21; as well as gas probe installation work (GP-36, GP-37, and GP-38).
- Map showing new gas probe locations (GP-36, GP-37, and GP-38).
- Boring logs, gas probe construction forms, and well information form.
- Additional survey results (GP-36, GP-37, and GP-38) in tabular format.
- Abandonment forms for the unmarked monitoring points near CP-101

A draft version of this plan modification/monitoring point documentation will be submitted to Dane County for comments within 4 weeks of completion of the field work planned for the week of November 18th prior to final submittal to the WDNR.

### ESTIMATED COST

Our estimated cost for the scope of services proposed is detailed in the table below.

	<b>Task</b>	<b>Cost</b>
1	Existing Project Scope Additions	\$3,370
	<b>Subtotal</b>	<b>\$3,370</b>
2	Monitoring Point Updates/Gas Probe Installations	
	2A SCS Engineers Labor and Expenses	\$7,600
	2B Drilling Subcontractor	\$6,700
	<b>Subtotal</b>	<b>\$14,300</b>

November 15, 2019

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3	Plan Modification/Monitoring Point Documentation	\$8,000
	<b>Subtotal</b>	<b>\$8,000</b>
	<b>Total</b>	<b>\$25,670</b>

## AUTHORIZATION

If this proposed scope and associated estimated costs are acceptable to you, please provide written approval to Chris Jimieson via email ([cjimieson@scsengineers.com](mailto:cjimieson@scsengineers.com)) and incorporate contract amendment to Dane County Contract #13260 and PO#20191079-00.

CJJ/ar/REL/SCC

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## **SCOPE OF SERVICES**

### **Dane County Department of Waste and Renewables 2020 Additional Environmental Monitoring Scope January 20, 2020**

#### **Task 1 – January 2020 Surface Emission Monitoring**

To complete the 4<sup>th</sup> quarter 2019 SEM monitoring event, SCS will conduct the second 10-day and 30-day surface emissions at locations where methane is detected greater than 500 parts per million (ppm) at landfill locations, not including the east expansion area.

##### **Deliverable**

- E-mail containing spreadsheet summary of outputs from monitoring unit – monitoring exceedances summary, background monitoring summary, and calibration verification for the second 10-day and 30-day event and summary table for the full event

#### **Task 2 – 2020 Surface Emission Monitoring**

SCS Engineers (SCS) will conduct four quarterly surface emissions monitoring (SEM) events at Dane County Landfill No. 2 – Rodefild following the requirements of NR 440.75 New Source Performance Standards (NSPS).

Each quarter, SCS will conduct the initial surface emissions monitoring event covering the full landfill footprint including the east expansion area. Our approach for the initial surface emission monitoring event will be to conduct 100-foot traversing on the first day, and then conduct the monitoring of the penetrations on the second day. We propose to use the Elkin Earthworks surface emission monitoring unit.

If there are methane detections greater than 500 ppm, we will conduct the required 10-day, second 10-day, and 30-day monitoring events on locations with exceedances at landfill locations not including the east expansion area.

##### **Deliverable**

- E-mail containing spreadsheet summary of outputs from monitoring unit – monitoring exceedances summary, background monitoring summary, and calibration verification for each monitoring event starting with the initial event, and the 10-day, second 10-day event, and 30-day event, as needed. We will also provide a summary table of exceedances for the full event.

##### **Assumptions**

- Dane County will communicate when waste age reaches 5 years for expansion cells at which point we will track exceedances at the intervals per the rule similar to the pre-expansion landfill footprint.



- Cost not inclusive of either SCS rental/shipping or SCS equipment usage (if unit purchased by SCS Engineers)

### Task 3 – MMSD Permit Monitoring and Reporting-Related Correspondence

SCS proposes to conduct wastewater sampling at Dane County Landfill #2 (Rodefild) to help Dane County comply with the requirements of the permit issued by Madison Metropolitan Sewerage District (MMSD) (IP-44.01).

SCS will sample monitoring point IP-44A (Leachate Lift Station) in compliance with the permit requirements per schedule and parameters indicated in the tables below. This sampling will be separate from quarterly leachate sampling events due to the time-proportional sampling component.

We propose to rent an ISCO sampler for each event and use either TestAmerica Laboratories or Pace Analytical to provide laboratory analysis. We will coordinate with MMSD to ensure we are not in conflict with sampling events. The sample results will be provided to Dane County. We assume Dane County will continue to report to MMSD. SCS plans to conduct sampling per the MMSD permit as follows:

Frequency	Testing Parameter
Semi-annually (once prior to June 30, second after July 1)  Planning on April 2020 and October 2020	Cadmium Chromium Copper Cyanide Lead Mercury Hexavalent chromium Nickel Selenium Silver Zinc Molybdenum Chloride Sulfate Sulfide, total pH
Annually  Planning on April 2020	VOCs SVOCs Methane in water via headspace analysis Volatile fatty acids via isolation and quantification method

## ESTIMATED COST

Our estimated cost for this scope of services is detailed in the table below.

	<b>Task</b>	<b>Cost</b>
1	January 2020 Surface Emissions Monitoring	\$1,750
	1a Instrument Return Shipping	\$100
	<b>Subtotal</b>	<b>\$1,850</b>
2a	1 <sup>st</sup> Quarter 2020 Surface Emissions Monitoring (March)	
	2a1 SCS Engineers Labor and Expenses – Initial Event	\$2,800
	2a2 SCS Engineers Labor and Expenses – 10-day check	\$750
	2a3 SCS Engineers Labor and Expenses – Second 10-day check	\$750
	2a4 SCS Engineers Labor and Expenses – 30-day check	\$1,100
	<b>Subtotal</b>	<b>\$5,400</b>
2b	2 <sup>nd</sup> Quarter 2020 Surface Emissions Monitoring (June)	
	2b1 SCS Engineers Labor and Expenses – Initial Event	\$2,800
	2b2 SCS Engineers Labor and Expenses – 10-day check	\$750
	2b3 SCS Engineers Labor and Expenses – Second 10-day check	\$750
	2b4 SCS Engineers Labor and Expenses – 30-day check	\$1,100
	<b>Subtotal</b>	<b>\$5,400</b>
2c	3 <sup>rd</sup> Quarter 2020 Surface Emissions Monitoring (September)	
	2c1 SCS Engineers Labor and Expenses – Initial Event	\$2,800
	2c2 SCS Engineers Labor and Expenses – 10-day check	\$750
	2c3 SCS Engineers Labor and Expenses – Second 10-day check	\$750
	2c4 SCS Engineers Labor and Expenses – 30-day check	\$1,100
	<b>Subtotal</b>	<b>\$5,400</b>
2d	4 <sup>th</sup> Quarter 2020 Surface Emissions Monitoring (November)	
	2d1 SCS Engineers Labor and Expenses – Initial Event	\$2,800
	2d2 SCS Engineers Labor and Expenses – 10-day check	\$750
	2d3 SCS Engineers Labor and Expenses – Second 10-day check	\$750
	2d4 SCS Engineers Labor and Expenses – 30-day check	\$1,100
	<b>Subtotal</b>	<b>\$5,400</b>
3	MMSD Permit Monitoring and Reporting Related Correspondence	
	3a SCS Engineers Labor and Expenses	\$3,500
	3b Laboratory Subcontractor	\$730
	<b>Subtotal</b>	<b>\$4,230</b>
	<b>Total</b>	<b>\$27,680</b>

## AUTHORIZATION

If this proposed scope and associated estimated costs are acceptable to you, please provide written approval to Chris Jimieson via email ([cjimieson@scsengineers.com](mailto:cjimieson@scsengineers.com)).

CJJ/jsn/SCC