

# **JOINT COTTAGE GROVE NATVIG LANDFILL MONITORING REVIEW COMMITTEE**

**Monday, November 26, 2018 – 6:00 PM  
COTTAGE GROVE TOWN HALL  
4058 COUNTY ROAD N, COTTAGE GROVE, WI.**

## **AGENDA**

1. Call to Order.
2. Determine quorum and agenda properly posted.
3. Approval of minutes from previous meeting(s).
4. Discuss and consider approval of Landfill monitoring bills.
5. Review current Landfill Testing and Monitoring results.
6. Items for next agenda.
7. Discuss and consider approval of next meeting date.
8. Adjournment.

Submitted by: Steven Anders  
Committee Chair

**ALL AGENDA ITEMS ARE SUBJECT TO ACTION.**

It is possible that members of and a possible quorum of members of other governmental bodies of the municipality may be in attendance at the above-stated meeting to gather information; no action will be taken by any other governmental body at the above-stated meeting other than the governmental body specifically referred to above in this notice.

NOTE: If you require an interpreter, materials in alternative formats, or other accommodations to access this service, activity of program, please contact the Town Clerk's office at 839-5021 or Fax 839-4432 at least 24 hours prior to this meeting.



Strand Associates, Inc.  
910 West Wingra Drive  
Madison, WI 53715  
(608) 251-4843

**Invoice**

Accounts Payable  
Town of Cottage Grove  
4058 County Highway N  
Cottage Grove, WI 53527

September 14, 2018  
Project No: 1047.017  
Invoice No: 0141571

Project: 1047.017 2018 Natvig Road Landfill Monitoring

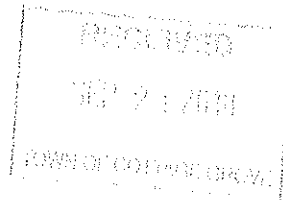
**Professional Services: August 1, 2018 through August 31, 2018**

**Professional Personnel**

	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>	
ENGINEER	2.75	199.38	548.30	
	.25	160.35	40.09	
TECHNICIAN	2.25	80.13	180.29	
ADMINISTRATIVE	.50	87.93	43.97	
	<u>5.75</u>		<u>812.65</u>	
<b>Total Labor</b>				<b>812.65</b>
<b>Total Expenses</b>				<b>92.86</b>
		<b>Total this Invoice</b>		<b>\$905.51</b>

Contract Amount 18,650.00

Total Billings to Date 14,631.97



TERMS: Payment is due within 30 days of the date on this invoice.

Please Remit Payment To: Strand Associates, Inc. 910 West Wingra Drive Madison, Wisconsin 53715 608-251-4843

**TOWN OF COTTAGE GROVE**  
**SUMMARY OF 2018 LANDFILL MONITORING**  
**FOR THE PERIOD OF AUGUST 2018**  
**INVOICE 0141571**  
**SEPTEMBER 14, 2018**

Costs	Name of Project	Contract Amount	Total Billed to Date	Total Amount this Invoice
Town-only	2018 Landfill Monitoring		\$ 2,448.40	\$ 39.21
Town-Village	2018 Landfill Monitoring		12,183.57	\$ 866.30
TOTALS		\$ 18,650.00	\$ 14,631.97	\$ 905.51

PAID  
 9/14/18  
 TOWN OF COTTAGE GROVE



Strand Associates, Inc.  
 910 West Wingra Drive  
 Madison, WI 53715  
 (608) 251-4843

**Invoice**

Accounts Payable  
 Town of Cottage Grove  
 4058 County Highway N  
 Cottage Grove, WI 53527

October 12, 2018  
 Project No: 1047.017  
 Invoice No: 0142596

Project: 1047.017 2018 Natvig Road Landfill Monitoring

**Professional Services: September 1, 2018 through September 30, 2018**

**Professional Personnel**

	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>	
ENGINEER				
	.25	223.14	55.79	
	15.50	199.38	3,090.39	
	.50	160.35	80.18	
	14.00	92.61	1,296.54	
TECHNICIAN				
	2.50	80.13	200.33	
ADMINISTRATIVE				
	.75	87.93	65.95	
	<u>33.50</u>		<u>4,789.18</u>	
<b>Total Labor</b>				<b>4,789.18</b>
<b>Total Expenses</b>				<b>635.86</b>
		<b>Total this Invoice</b>		<b>\$5,425.04</b>

**Contract Amount** 18,650.00

**Total Billings to Date** 20,057.01

**TERMS:** Payment is due within 30 days of the date on this invoice.

Please Remit Payment To: Strand Associates, Inc. 910 West Wingra Drive Madison, Wisconsin 53715 608-251-4843

**TOWN OF COTTAGE GROVE**  
**SUMMARY OF 2018 LANDFILL MONITORING**  
**FOR THE PERIOD OF SEPTEMBER 2018**  
**INVOICE 00142596**  
**OCTOBER 12, 2018**

<b>Costs</b>	<b>Name of Project</b>	<b>Contract Amount</b>	<b>Total Billed to Date</b>	<b>Total Amount this Invoice</b>
Town-only	2018 Landfill Monitoring		\$ 2,590.64	\$ 142.24
Town-Village	2018 Landfill Monitoring		17,466.37	\$ 5,282.80
<b>TOTALS</b>		<b>\$ 18,650.00</b>	<b>\$ 20,057.01</b>	<b>\$ 5,425.04</b>

**Invoice Hours Summary**  
**Town of Cottage Grove Project**  
**Project No. : 1-047.017**

Month: September 2018: Town-only Costs

Staff	Hours	Task Description
Monitoring of gas vents GV-1, 2, and 3; landfill committee meeting		
Engineer-TMS	0.325	Scheduling/project management; invoice breakdown; agreement; review monthly data
Engineer-CO	0.000	Data management, prepare materials for LF committee meeting, add MW-3R
Engineer-JB	0.025	Agreement review
Engineer-LTH	0.050	Data QA/QC
Scientist-SSS	0.000	Gas monitoring; data entry
Clerical-DC, GC	0.075	Word processing
Town Only Total Hours:	0.475	

**Invoice Hours Summary**  
**Town of Cottage Grove Project**  
**Project No. : 1-047.017**

Month: September 2018: Town-Village Cost Share

Staff	Hours	Task Description
Monitoring of gas vents GV-1, 2, and 3; landfill committee meeting		
Engineer-TMS	15.175	Scheduling/project management; invoice breakdown; agreement; evaluate monitoring data and prepare materials for LF committee meeting; attend LF committee meeting; address DNR NON letter; well maintenance related to labels and locks.
Engineer-CO	14.000	Data management, prepare materials for LF committee meeting, add MW-3R
Engineer-JB	0.225	Agreement review
Engineer-LTH	0.450	Data QA/QC
Scientist-SSS	2.500	Gas monitoring; data entry
Clerical-DC, GC	0.675	Word processing
Total Hours:	33.025	
Invoiced Hours:	33.50	



**TOWN OF COTTAGE GROVE**  
**SUMMARY OF 2018 LANDFILL MONITORING**  
**FOR THE PERIOD OF OCTOBER 2018**  
**INVOICE 0143333**  
**NOVEMBER 13, 2018**

<b>Costs</b>	<b>Name of Project</b>	<b>Contract Amount</b>	<b>Total Billed to Date</b>	<b>Total Amount this Invoice</b>
Town-only	2018 Landfill Monitoring		\$ 2,778.83	\$ 188.19
Town-Village	2018 Landfill Monitoring		19,608.18	\$ 2,141.81
		<b>TOTALS</b>	<b>\$ 18,650.00</b>	<b>\$ 2,330.00</b>



**Town of Cottage Grove Project**  
**Project No. : 1-047.017**

Month: August 2018: Town-only Costs

Staff	Hours	Task Description
		Monitoring of gas vents GV-1, 2, and 3.
Engineer-TMS	0.125	Scheduling/project management; invoice breakdown.
Engineer-LTH	0.025	Data QA/QC (0.05 hr); gas monitoring related to GP-9 and data management
Scientist-SSS	0.000	Data entry; DNR reporting; correspondence with lab; well assessment and forms (0.125 hr). Gas monitoring related to GP-9 (2.5 hr)
Clerical	0.050	Word processing.
Town Only Total Hours:	0.200	

**Invoice Hours Summary**  
**Town of Cottage Grove Project**  
**Project No. : 1-047.017**

Month: August 2018: Town-Village Cost Share

Staff	Hours	Task Description
		Monitoring of gas vents GV-1, 2, and 3.
Engineer-TMS	2.625	Scheduling/project management; invoice breakdown, correspondence (1.125 hr); annual data summary (0.50 hr); DNR landfill inspection and damaged gas vent well, correspondence (1.0 hr).
Engineer-LTH	0.225	Data QA/QC (0.45); MW-3 location, correspondence with WDNR, scheduling driller, etc.
Scientist-SSS	2.250	Monthly gas monitoring.
Clerical	0.450	Word processing.
Total Hours:	5.550	
Invoiced Hours:	5.75	



**Soils &  
Engineering  
Services, Inc.**



20226

504.230-3

October 22, 2018

Town of Cottage Grove  
4058 CTH N  
Cottage Grove, Wisconsin 53527

ATTENTION : Mr. Daniel Dresen

SUBJECT : Monitoring Well Repairs; CTH N/Natvig Road  
Town of Cottage Grove

INVOICE

Crew mobilization	\$	400.00
1.00 day of mini-excavator rental @ \$440.00/day	\$	440.00
4.00 hours of field time @ \$195.00/hour	\$	780.00
5 bags of bentonite @ \$28.00/bag	\$	140.00
2 sections of 2-inch diameter PVC casing @ \$25.00/section	\$	50.00
2 above-ground protective casings @ \$180.00/each	\$	360.00
		<hr/>
	TOTAL	\$ 2170.00

PAYMENT DUE UPON RECEIPT OF INVOICE

1102 Stewart Street  
Madison, WI 53713-4648

Phone: 608-274-7600  
888-866-7645

Fax: 608-274-7511

www.soils.ws  
soils@soils.ws

Geotechnical Engineers since 1966



**Soils &  
Engineering  
Services, Inc.**

October 20, 2018

Project 504.23

Mr. Daniel Dresen  
Town of Cottage Grove  
4058 County Trunk Highway N  
Cottage Grove, Wisconsin 53527

Subject: Monitoring Well Repairs  
Town of Cottage Grove Landfill  
Dane County, Wisconsin

Dear Mr. Dresen:

As authorized by you, we repaired piezometer MW5D and monitoring well MW5S at the Natvig Landfill on October 18, 2018. It is our understanding that the original well protectors were damaged from impact by farming equipment. We used a mini-excavator and hand shovels to remove the soils alongside each well protector. We then removed the well protectors and attempted to straighten them. Due to the amount of corrosion of the protectors and the weakening of the steel from the impact, we were unsuccessful in straightening the well protectors.

After removal of the well protectors, we cut the remaining PVC casing of the piezometer and monitoring well at approximately 5 feet below ground surface. We then installed a Fernco coupler with approximately 8 feet of new Sch. 40 PVC casing for each installation. We then placed 50 pounds of bentonite chips around the Fernco coupler and new casing PVC for each installation, backfilled around each well protector with the excavated soils, and placed approximately 65 pounds of Red Flint #40 Well Slot filter sand in the annular space between the PVC casing and the well protector.

We installed the padlocks that were installed on the original well protectors for MW5D and MW5S.

It is our understanding that Strand Associates, Inc. will survey these two installations, including the top of the new protector pipes and the top of the new PVC casing. They will also label the well protectors appropriately.

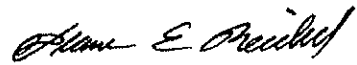
Town of Cottage Grove  
Monitoring Well Repairs  
October 20, 2018

Proposal 913.4441  
Town of Cottage Grove Landfill  
Page 2

If you have any questions concerning this submittal or if we could be of further assistance to you, please contact us at (608) 274-7600.

Respectfully submitted,

**SOILS & ENGINEERING SERVICES, INC.**

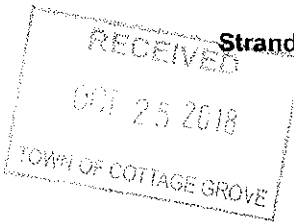


Duane E. Reichel, P.E.

DER:OTG:wsr

cc: Ms. Tina Sebold, PE (Strand Associates, Inc.)





**Strand Associates, Inc.®**  
 910 West Wingra Drive  
 Madison, WI 53715  
 (P) 608-251-4843  
 (F) 608-251-8655

**Transmittal Letter**

DATE: October 23, 2018 PROJECT NO. 1047.017

COMPANY NAME: Town of Cottage Grove  
 ATTENTION: Kris Hampton, Town Chair  
 ADDRESS: 4058 CTH N  
 CITY/STATE/ZIP: Cottage Grove, WI 53527  
 RE: July 2018 Landfill Gas Results for Homeowners

WE ARE SENDING YOU:

- Change Order
- Copy of Letter
- Other
- Drawings
- Enclosed
- Samples
- Shop Drawings
- Specifications
- Under Separate Cover

Copies	Date	No.	Description
1	10/3/18		October 2018 Landfill Gas Results for Homeowners


ITEMS TRANSMITTED AS SHOWN:

- For approval
- For your use
- As requested
- For review and comment
- Other
- Approved as submitted
- Approved as noted
- Approved as noted-Resubmit
- Not Approved
- Resubmit \_\_\_\_\_ copies for approval
- Submit \_\_\_\_\_ copies for distribution
- Additional Information Required
- For signature

REMARKS:

Kris,

The attached gas results sheet was mailed to the homeowners on October 23, 2018. Please call if you have any questions.

Signed   
 for Steven S. Small

Copy to: File  
 Connie Anderson, Anderson Consults, LLC  
 Steve Anders, Town Supervisor

Deb Winter, Village of Cottage Grove Clerk

**Town of Cottage Grove**  
**Natvig Road Landfill**  
Methane Reading in % Methane

Date: 10/3/2018

Lower Explosive Limit (LEL) = 5%  
Upper Explosive Limit (UEL)= 15%

Date	GP-8	GP-9
4/6/2011	0	0
7/8/2011	0	0
10/5/2011	0	0
1/6/2012	0	0
4/5/2012	0	0
7/13/2012	0	0
10/31/2012	0	0
1/29/2013	0	0
4/5/2013	0.30	0
7/19/2013	0	0
10/11/2013	0	0
1/30/2014	0	0
4/25/2014	0	0
7/25/2014	0	0
10/17/2014	0	0
1/23/2015	0	0
4/10/2015	0	0
7/2/2015	0	0
10/16/2015	0	0
1/6/2016	0	0
4/29/2016	0	0
7/8/2016	0	0
10/14/2016	0	0
1/12/2017	0	0
4/21/2017	0	0
7/21/2017	0	2.15
7/25/2017	0	2.70
7/28/2017	Not Monitored	0.00
8/4/2017	0	0.36
8/18/2017	0	1.55
8/22/2017	0	0.75
9/18/2017	Not Monitored	0.45
10/20/2017	0	0
1/26/2018	0	0
4/20/2018	0	0
7/6/2018	0	0
10/3/2018	0	0



**Notes:**

On September 11, 2006, the DNR granted reduced monitoring at GP-9 (monthly to quarterly) based on 12 consecutive months with no detection of methane.

On October 19, 2006, the DNR granted reduced monitoring at GP-8 (monthly to quarterly) based on 12 consecutive months with no detection of methane.

If you have any questions, please contact Kris Hampton or Steve Anders at the Town of Cottage Grove.