

JOINT COTTAGE GROVE NATVIG LANDFILL MONITORING REVIEW COMMITTEE

**MONDAY, November 25, 2019 – 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.

NATVIG MINUTES
10/3/2019

Present at meeting:

Steven Anders
Kris Hampton
Jeff Lennberg
Jon Russell
Tina Sebold (Strand)

Steven Anders called the meeting to order at 6:00p.m. A quorum was determined and the meeting had been properly posted.

The minutes from the previous meeting were reviewed and Chris Hampton motioned to approve. John Russell seconded and the motion carried 4-0

The bills for the past two months from Strand. Hampton motioned to approve the bills and Russell seconded. Motion carried 4-0.

Tina Sebold from Strand went over the monitor results from July, 2019

- Gas vents are monitored monthly
- Gas probes are monitored quarterly

Tina Sebold reviewed the following:

- Vent wells you do want to see methane and there has been a gradual trend down on wells
- Tina suggested that well 2 might not be working or the fan might be stuck and that's why 2 is reading 10% down combined with well 1
- Hampton stated that he'd stop out and check to see if fan is working on 2

The summary of the Methane Monitoring results outlined by Tina Sebold are as follows:

- Gas Probe 1 is normal
- Gas Probe 2 showing no methane and oxygen good
- Gas Probe 3 No methane, oxygen good

- Good oxygen suggests no methane
- Gas Probe 1-7 no methane since 2008
- Gas Probe 8-9 spiked July 9th

- Tina pointed out spikes 5% or higher methane hits are reported to the DNR and up to them what to do

- Spike/unstable reading was reported to DNR and it has been less since July

Lenneberg asked what causes spikes like that and Tina Sebold listed the following:

- Production of Methane could be higher
- There could really be no reason for it
- Not sure what is in that part of the landfill
- Higher water table from wet year could be pushing the methane uphill where these probes are located

The Ground Water monitoring results outlined by Tina Sebold are as follows:

- Ground water around wells are at the highest they've been historically

- Tina Sebold stated 2008 was wet too, but levels of ground water weren't as high as they are this year

The VOC monitoring, samples taken yearly in July results outlined by Tina Sebold are as follows:

- There were no VOC readings that exceeded normal

- Chlorides found and is common
- Arsenic hits found, but are common

- Hampton stated it was common in Wisconsin to find arsenic in ground water

- Well 2 benzene found and is normal

- Manganese is normal and nothing is unusual

-VOC detecting on monitoring well 2 & 3 has acetone, which is also common

-Tina Sebold stated that drinking water results are normal and the arsenic levels are very low

Tina Sebold did want to make it clear that the acetone readings on well 2 could be a lab issue after 2017, so reading might not be accurate

-Russell asked what ES vs PL is

-Tina Sebold stated ES the DNR is contacted and PL means things are within the limits set by the DNR

Tina Sebold went back to talk about the spike in Probe 9 and the DNR's response

-Tina reminded the committee that the DNR is contacted if there is a methane spike of 5% or higher, which happened in July on Probe 9

-Strand asked if it would make sense to move Probe 1 and 2 or to just abandon monitoring Probe 1 & 2

-Strand did say they weren't too concerned, but if it stays high a new probe would need to be added in the backyard of the home near there

-If homeowner does not want probe in the back yard more gas vents were suggested so the migration of methane gas could be lessened

needed -DNR agreed with Strand and also agreed no immediate action is at this time

-Tina Sebold did point out that if 9 ever does spike above the 5%, quick action would be needed so a plan would be helpful

-Strand suggested adding a row of vents would help, but not necessary at this time because of cost

Tina Sebold presented current costs as a reference

- 1 gas Probe would be \$3,900, which could go up 5% in a year

-Plus, new Probe would need to be monitored monthly for one year, which would add monitoring costs

-1 new walls would be \$8,000 or 3 wells for \$19,000.00-\$20,000.00

Tina Sebold confirmed that Strand does not feel we have to take action based on the spike on Probe 9 in July

Russell asked if the DNR gets on ground if there is a spike of 5% more or if it's just additional costs from Strand.

-Tina Sebold stated it would be Strand

Russell then asked Tina to confirm that it would mean no bills from DND and only additional costs from Strand, which Tina Sebold did confirm by stating "correct".

Tina Sebold did let the committee know that getting the DNR involved by adding new wells or Probes could lead to them re opening the "Plan of Operation", meaning more monitoring and more costs to the Village and Town of Cottage Grove.

Tina Sebold did let the Town of Cottage Grove representatives know that the DNR suggested if a "Plan of Operation" gets open again, that the Town agree to allowing access and future access to the farm land East of the Natvig Landfill across HWY N.

-Hampton stated "it's low there and no development would go there anyway".

Lennberg asked for confirmation that opening the "Plan of Operation" would only be needed if new wells and/or Probes were installed.

-Tina Sebold, Strand representative confirmed by saying, "correct, only if new wells or Probes were put in".

Tina Sebold from Stand pointed out that the 2020 draft agreement between the Natvig committee, consisting of the Town of Cottage Grove and the Village of Cottage Grove is exactly the same cost as 2019

The committee discussed the possible need to add money to the budget for possible future wells & probes or if action should be taken. Hampton mentioned that we have contingency funds that cover any up and over expenses which we've used for the last three years in case unforeseen monitoring expenses do come up

-Hampton pointed out that leaving things as they are is better than "adding \$4,000.00 to a budget for a contingency that may never happen".

It was agreed that the committee would take no action on installing new probes or wells at this time.

Russell motioned to approve the agreement with Strand for 2020, at the same cost as 2019. Lennberg seconded the motion. Motion carried 4-0.

Hampton motioned to table the passive well vent placement since not needed at this time. Lennberg seconded the motion. Motion carried 4-0

Hampton motioned to table the additional gas monitoring wells, Anders seconded. Motion carried 4-0

The next meeting was set for 11/25/2019 at 6:00pm.

Hampton motioned to adjourn and Lennberg seconded the motion. The motion carried 4-0 and the meeting adjourned at 6:51p.m.



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

Transmittal Letter

DATE: October 29, 2019 PROJECT NO. 1047.018

COMPANY NAME: Town of Cottage Grove
 ATTENTION: Kris Hampton, Town Chair
 ADDRESS: 4058 CTH N
 CITY/STATE/ZIP: Cottage Grove, WI 53527
 RE: October 2019 Landfill Gas Results for Homeowners

WE ARE SENDING YOU:

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

Copies	Date	No.	Description
1	10/11/19		October 2019 Landfill Gas Results for Homeowners

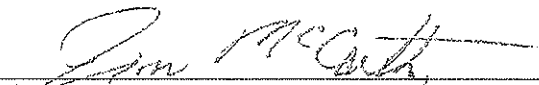
ITEMS TRANSMITTED AS SHOWN:

- 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 29, 2019. Please call if you have any questions.

Signed 
 Jim McCarthy for Steven S. Small

Copy to: File
 Sue Allen, Stafford Rosenbaum LLP
 Steve Anders, Town Supervisor

Kim Banigan, Town Clerk
 Tina Sebold, Strand Associates, Inc.

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

Date: 10/11/2019

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

Date	GP-8	GP-9
7/8/2011	0.00	0.00
10/5/2011	0.00	0.00
1/6/2012	0.00	0.00
4/5/2012	0.00	0.00
7/13/2012	0.00	0.00
10/31/2012	0.00	0.00
1/29/2013	0.00	0.00
4/5/2013	0.30	0.00
7/19/2013	0.00	0.00
10/11/2013	0.00	0.00
1/30/2014	0.00	0.00
4/25/2014	0.00	0.00
7/25/2014	0.00	0.00
10/17/2014	0.00	0.00
1/23/2015	0.00	0.00
4/10/2015	0.00	0.00
7/2/2015	0.00	0.00
10/16/2015	0.00	0.00
1/6/2016	0.00	0.00
4/29/2016	0.00	0.00
7/8/2016	0.00	0.00
10/14/2016	0.00	0.00
1/12/2017	0.00	0.00
4/21/2017	0.00	0.00
7/21/2017	0.00	2.15
7/25/2017	0.00	2.70
7/28/2017	Not Monitored	0.00
8/4/2017	0.00	0.36
8/18/2017	0.00	1.55
8/22/2017	0.00	0.75
9/18/2017	Not Monitored	0.45
10/20/2017	0.00	0.00
1/26/2018	0.00	0.00
4/20/2018	0.00	0.00
7/6/2018	0.00	0.00
10/3/2018	0.00	0.00
1/18/2019	0.00	0.00
4/30/2019	0.00	0.00
7/9/2019	0.00	5.00*
8/9/2019	0.00	3.60
8/23/2019	0.00	1.50
9/13/2019	0.00	2.80
10/11/2019	0.00	1.15

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.

* Value estimated.

If you have any questions, please contact Kris Hampton or Steve Anders at the 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 10, 2019 Project No: 1047.018 Invoice No: 0153849
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Project: 1047.018 2019 Natvig Road Landfill Monitoring

Professional Services: September 1, 2019 through September 30, 2019

Professional Personnel

	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>	
ENGINEER				
	.25	248.34	62.09	
	8.75	207.78	1,818.08	
	.25	165.90	41.48	
	4.00	86.40	345.60	
ADMINISTRATIVE				
	1.00	89.73	89.74	
	14.25		2,356.99	
Total Labor				2,356.99
Total Expenses				132.07
				Total this Invoice \$2,489.06

Contract Amount 19,200.00

Total Billings to Date 19,198.46

Invoice Hours Summary
Town of Cottage Grove Project
Project No. : 1-047.018

Month: September 2019: Town-only Costs

Staff	Hours	Task Description
		Monitoring of gas vents GV-1, 2, and 3; landfill committee meeting
Engineer-TMS	3.675	Scheduling/project management; invoice breakdown; agreement; review monthly data; GP-9 additional monitoring; correspondence with WDNR and Owner; RFP for gas probe installation
Engineer-JB	0.025	Agreement review
Engineer-LTH	0.025	Data QA/QC
Scientist-JRM	2.000	Gas monitoring; data entry
Clerical-CG,RF	0.100	Word processing
Town Only Total Hours:	5.825	

Invoice Hours Summary
Town of Cottage Grove Project
Project No. : 1-047.018

Month: September 2019: Town-Village Cost Share

Staff	Hours	Task Description
		Monitoring of gas vents GV-1, 2, and 3; landfill committee meeting
Engineer-TMS	5.075	Scheduling/project management; invoice breakdown; agreement; evaluate monitoring data; GP 1 and 2 location evaluation; correspondence with WDNR and Owner; RFP for gas vent installation
Engineer-JB	0.225	Agreement review
Engineer-LTH	0.225	Data QA/QC
Scientist-JRM	2.000	Gas monitoring; data entry
Clerical-CG,RF	0.900	Word processing
Total Hours:	8.425	
Invoiced Hours:	14.25	

TOWN OF COTTAGE GROVE
SUMMARY OF 2019 LANDFILL MONITORING
FOR THE PERIOD OF SEPTEMBER 2019
INVOICE 0153849
OCTOBER 10, 2019

Costs	Name of Project	Contract Amount	Total Billed to Date	Total Amount this Invoice
Town-only	2019 Landfill Monitoring		\$ 4,381.83	\$ 968.93
Town-Village	2019 Landfill Monitoring		14,816.62	\$ 1,520.13
		TOTALS \$ 19,200.00	\$ 19,198.45	\$ 2,489.06



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

November 13, 2019
 Project No: 1047.018
 Invoice No: 0154961

Project: 1047.018 2019 Natvig Road Landfill Monitoring

Professional Services: October 1, 2019 through October 31, 2019

Professional Personnel

	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>	
ENGINEER				
	.25	248.34	62.09	
	11.25	207.78	2,337.53	
	.25	165.90	41.48	
	2.75	100.20	275.55	
	4.25	86.40	367.20	
ADMINISTRATIVE				
	<u>.75</u>	89.73	<u>67.30</u>	
	19.50		3,151.15	
Total Labor				3,151.15
Total Expenses				309.62
		Total this Invoice		\$3,460.77

Contract Amount 19,200.00
 Total Billings to Date 22,659.22

Invoice Hours Summary
Town of Cottage Grove Project
Project No. : 1-047.018

Month: October 2019: Town-only Costs

Staff	Hours	Task Description
		Monitoring of gas vents GV-1, 2, and 3; GP-5, 6, 7, 8, and 9
Engineer-TMS	0.200	Scheduling/project management; invoice breakdown; 2019 agreement
Engineer-TMS	0.750	Gas data review and results to Town (GP-8 and GP-9)
Engineer-JB	0.025	Agreement review
Engineer-LTH	0.025	Data QA/QC
Engineer-EA	0.00	Data entry and updates for annual review
Scientist-JRM	2.06	Quarterly gas monitoring; report results
<u>Clerical</u>	<u>0.075</u>	<u>Word processing, filing</u>
Town Only Total Hours:	3.135	

Invoice Hours Summary
Town of Cottage Grove Project
Project No. : 1-047.018

Month: October 2019: Town-Village Cost Share

Staff	Hours	Task Description
		Monitoring of gas vents GV-1, 2, and 3; GP-1, 2, 3, and 4
Engineer-TMS	1.800	Scheduling/project management; invoice breakdown; 2019 agreement
Engineer-TMS	8.500	Evaluate monitoring data and prepare materials for LF committee meeting; attend LF committee meeting; obtain budgetary cost for gas probe and gas well installation; correspondence with Town and WDNR
Engineer-JB	0.225	Agreement review
Engineer-LTH	0.225	Data QA/QC
Engineer-EA	2.750	Data entry and updates for annual review
Scientist-JRM	2.19	Quarterly gas monitoring
<u>Clerical</u>	<u>0.675</u>	<u>Word processing, filing</u>
Total Hours:	16.365	
Invoiced Hours:	19.50	

TOWN OF COTTAGE GROVE
SUMMARY OF 2019 LANDFILL MONITORING
FOR THE PERIOD OF OCTOBER 2019
INVOICE 0154961
NOVEMBER 13, 2019

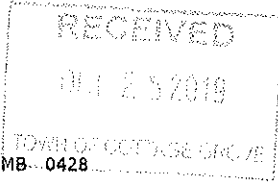
Costs	Name of Project	Contract Amount	Total Billed to Date	Total Amount this Invoice
Town-only	2019 Landfill Monitoring		\$ 4,605.68	\$ 223.85
Town-Village	2019 Landfill Monitoring		18,053.54	\$ 3,236.92
		TOTALS \$ 19,200.00	\$ 22,659.22	\$ 3,460.77

GRAINGER

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MADISON, WI 53714-3107
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ORIGINAL INVOICE

GRAINGER ACCOUNT NUMBER 864372388
INVOICE NUMBER 9328172490
INVOICE DATE 10/18/2019
DUE DATE 11/17/2019
AMOUNT DUE 57.14



Order for Landfill?
52140
DJ11

PO NUMBER: LANDFILL
CALLER: DAN DRESEN
CUSTOMER PHONE: (608) 516-5208
ORDER NUMBER: 1364966106
INCO TERMS: FOB ORIGIN

BILL TO
MDG2019 00007310 1 MB-0428

TOWN OF COTTAGE GROVE
4058 COUNTY RD N
COTTAGE GROVE, WI 53527-9503



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www.grainger.com/paperlessinvoicing

THANK YOU!

FEI NUMBER 36-1150280

FOR ANY QUESTIONS ABOUT THIS INVOICE OR ACCOUNT CALL 1-800-472-4643

PO LINE #	ITEM #	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
		The following items were for: TOWN OF COTTAGE GROVE 4058 COUNTY RD N COTTAGE GROVE WI 53527-9503			
	2C528	VENTILATOR,TURBINE,6IN MANUFACTURER # TV06G Delivery# 6448773989 Date: 10/18/2019 PICKED UP FROM: MADISON, WI - 464 501 ATLAS AVE. MADISON WI 53714-3107	1	57.14	57.14
INVOICE SUB TOTAL					57.14

Kris is
this town only
or split with
Village?
SPLIT

SALE, INCLUDING: (1) DISPUTE RESOLUTION REMEDIES,
TERS IN EFFECT AT THE TIME OF THE ORDER, WHICH
LE ARE AVAILABLE AT WWW.GRAINGER.COM.
OM/RETURNS.

User assumes full responsibility
w prohibited.

TERMS NET 30 DAYS IN U.S. DOLLARS.

AMOUNT DUE 57.14

DELIVERY AND RETURN WITH YOUR PAYMENT.

BILL TO:
TOWN OF COTTAGE GROVE
4058 COUNTY RD N
COTTAGE GROVE, WI 53527-9503

REMIT TO:
GRAINGER
DEPT. 864372388
PALATINE, IL 60038-0001

864372388932817249010000057141000000010000000100000019111737

X

ACCOUNT NUMBER 864372388 DATE 10/18/2019 INVOICE NUMBER 9328172490 AMOUNT DUE 57.14

FOR COMMENTS OR CHANGE OF ADDRESS, ENTER INFORMATION ON REVERSE SIDE.