



AGENDA

Special Meeting of Council of the Village of Bawlf in the Province of Alberta
Tuesday, September 8, 2015 – 7:00 pm
Council Chambers

1. CALL TO ORDER

2. DELEGATIONS

3. GENERAL GOVERNMENT

a) Agenda September 8, 2015

Motion to adopt as presented

4. NEW BUSINESS

a) Purchase of New Zero Turn Lawn Mower by Public Works

b) Approval of Thurber Engineering Groundwater Assessment and Monitoring Program

c) Donation to Bawlf Resident – House Fire

5. STANDING REPORTS

6. CORRESPONDENCE

7. In Camera

8. ADJOURNMENT

VILLAGE OF BAWLF
Request for Decision (RFD)

Meeting:	Special Council
Meeting Date:	September 8, 2015
Originated By:	Tracy M. Stewart-Acting CAO
Title:	New Zero Turn Lawn Mower Purchase

BACKGROUND/PROPOSAL:

Public Works is currently operating with 2 Grasshopper Zero Turn lawn mowers; one is approximately 11 years old and the other approximately 6 years old.

The older model has been down with repairs more than it has been usable this year and the "newer" model has been "under the weather" the past few weeks and awaiting parts.

It has been a struggle for Public Works to maintain the esthetics of the Village to the standard we, and our residents, expect.

Typically, a lot of other towns, villages, etc., will trade in their equipment on a 3-5 year basis. This ensures that they always have reliable equipment in good working order as well as a higher trade in value when it comes to replacement.

Public Works has requested to be able to purchase one new mower this year.

DISCUSSION/OPTIONS/BENEFITS/DISADVANTAGES:

Attached are 4 quotes on different makes/models of zero turn mowers.

Public Works is requesting approval on the Cub Cadet which offers the best price (Municipal pricing of \$6,165+GST), quality and warranty.

Does Council also want to commit to a trade-in term of 3-5 years on mowers?

COSTS/SOURCE OF FUNDING (if applicable)

\$6,165.00 + GST = \$6,473.25

RECOMMENDED ACTION:

That Bawlf Council approve the request to purchase a new zero turn mower, specifically the Cub Cadet, at a cost of \$6,165.00+GST and to commit to a trade-in term of _____ years on mowers.

Title UNBUDGETED EXPENDITURES POLICY NO. 1

Legislation Reference Municipal Government Act, Section 248(2)

Purpose

To establish procedures to authorize expenditures not included in a budget.

Policy Statement and Guidelines

In this Policy:

(a) "Unbudgeted Expenditure" means an expenditure not included in the interim operating budget, the operating budget or the capital budget for the year.

(b) "Emergency" means an occurrence or situation which could jeopardize the safety, health or welfare of people or the protection of property in the municipality.

If a proposed unbudgeted expenditure is **not of an emergency nature** and

(a) the expenditure will not exceed the budget for the program or function, the Municipal Administrator may approve the expenditure.

(b) the expenditure will exceed the budget for the program or function, Council must approve the expenditure.

If the proposed unbudgeted expenditure is **for an emergency** as determined by the Mayor or the Municipal Administrator

(a) the Mayor or

(b) the Municipal Administrator, a Designated Officer or employee delegated by him may approve the expenditure.

Date November 17/97 Resolution Number 129/97


MAYOR


MUNICIPAL ADMINISTRATOR

Tracy M. Stewart

From: Blaine Heck <bheck@agriterraeq.com>
Sent: September-02-15 12:29 PM
To: tmstewart@bawlf.com
Subject: Cub Cadet Mower

Please consider this email as a tender for a Cub Cadet Z-Force SZ60 commercial zero turn mower.
s/n 11094H10003 \$6165 plus gst = \$\$6473.25 FOB Camrose
Thank you for the opportunity to quote you on this equipment

Blaine Heck

AGRITERRA Equipment
Camrose Branch Manager
4716 – 38st
Camrose, Alberta
T4V 3T5
Ph (780) 672-2452 work
Ph (780) 608-0166 cell
Ph (780) 672-1721 fax
bheck@agriterraeq.com

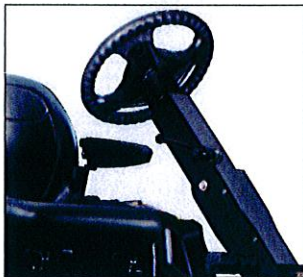
PROFESSIONAL RESULTS FROM START TO FINISH

We've combined heavy-duty commercial durability, the unmatched stability of four-wheel steering and exclusive agility of steering-wheel control to deliver power that professionals demand. And with a premium elasticity vibration seat control and arm rests, we've proven that even the toughest commercial jobs can make for comfortable rides.



STRENGTH TO BUILD A BUSINESS ON

These zero-turns are built with power and strength, assuring durability for years to come, including a high-performance commercial-grade engine.



INNOVATIVE STEERING-WHEEL CONTROL



ZERO EFFORT ZERO-TURNS



ANTI-SCALPING WHEELS



CUSTOM LAP BAR DESIGN

COMMERCIAL

Z-FORCE LZ 48	Z-FORCE LZ 60	Z-FORCE SZ 48	Z-FORCE SZ 54	Z-FORCE SZ 60
23 HP* Kohler®	23.5 HP* Kohler®	23 HP* Kohler®	23.5 HP* Kohler®	23.5 HP* Kohler®
Hydro Gear ZT3100 Charged Transmission				
48" Fab Deck	60" Fab Deck	48" Fab Deck	54" Fab Deck	60" Fab Deck
2 year commercial / unlimited hours / 4 year / 500 hour limited residential				

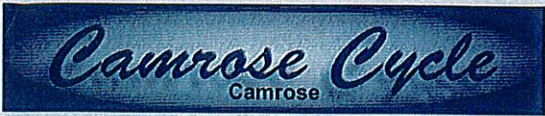
extended ? \$



Blaine

2015 Cub Cadet Price List

Commercial Mowers			
Z-Force SZ48	23 Hp Kohler, 48" Fabricated Deck, Dual Fuel Tanks, Steering Wheel Zero Turn	\$6479.00	
Z-Force SZ60	23.5 Hp Kohler Command Pro, 60" Fabricated Deck, Dual Fuel Tanks, Steering Wheel Zero Turn	\$7559.00	<i>6165.00 our price</i>
Tank LZ 60 Kw	27Hp Kawasaki, 60" Fabricated Deck, Lap Bar Zero Turn	\$8639.00	
Tank SZ 60 KW	27 Hp Kawasaki FX, 60" Fabricated Deck, Power Steering Zero Turn	\$12299.00	
Tank SZ KH New for 2015	33 Hp Kohler EFI, 60" Fabricated Deck, Power Steering Zero Turn	\$13599.00	
Utility Vehicles			
Volunteer 4x4 EFI Ltd. Qty. available	31 Hp Kohler liquid cooled, 4x4 with diff lock. Yellow	\$11999.00	\$10999.00 SALE PRICE!
Volunteer 4x4 EFI Ltd. Qty. available	Same as above – Red	\$12299.00	\$11299.00 SALE PRICE!



Phone 780-672-0177 • Fax 780-672-3551

Date 9/7/2015

Customer Name Bawlf

Phone Number _____

Unit Detail

Year 2015
Make TORO
Model TITAN MX6000

Year _____
Make _____
Model _____

Pricing municipal

\$ 6,480.00
\$ _____
\$ _____
\$ _____
\$ _____
\$ _____
\$ _____
\$ _____

Total \$ 6,480.00 [A]

Part Description	Price	Install Labour	Price	Total

Total \$ _____ [B]

Trade-In Details

Year _____
Make _____
Model _____
S/N _____

Trade-In Value \$ _____ [C]

P 1 11

Deal Total (A+B less C) \$ 6,480.00 plus GST



Mowers

Zero Turn Mowers

- × TimeCutter® SS
- × TimeCutter® SW
- × TimeCutter® MX
- × TimeCutter® SVO
- × TITAN®
- » **TITAN® MX**
- 48" (122 cm) TITAN® MX4800 (74801)
- 54" (137 cm) TITAN® MX5400 (74802)
- 60" (152 cm) TITAN® MX6000 (74803)
- 54" (137 cm) TITAN® MX5400 (74802)
- 60" (152 cm) TITAN® MX6000 (74803)

TITAN® MX

Wider 13" x 6.5" front tires reduce compaction on your turf while providing a comfortable ride

Deluxe, thickly padded seat is mounted on a floating adjustable suspension system for ultimate comfort

The TITAN MX features oversized comfort grip controls that help reduce hand fatigue over longer periods of mowing

Belt covers can be removed without tools for easy cleaning of excess grass build-up



Lawn Mowers

Snow Blowers

Electric

Single-Stage

Two-Stage

Quadraster

Yard Tools

Blowers/Vacu

Trimmers

Utility Management

Professional Residential

Sprinklers

Spray Head Nozzles

Rollers

Translators (for Mower/Tractor)

Controllers

Generators

Control Panels (for Mowers)

Valves

Utility Vehicles

Jobs by State (for USA & Canada)

Canada

Climate Manuals

Customer Support

Product Training

Product Support

Product Literature

Product Literature

Product Literature

Product Literature

Product Literature

Product Literature

Product Literature

Product Literature

Product Literature

Product Literature

Models Overview

Compare



48" (122 cm) TITAN® MX4800 (74801)



54" (137 cm) TITAN® MX5400 (74802)



60" (152 cm) TITAN® MX6000 (74803)



54" (137 cm) TITAN® MX5400 (74802)

Financing

Find offers on financing for your Toro equipment. Financing options are available for most Toro equipment.

Financing Options

Follow us on Facebook

Keep up on the latest news from Toro. Like us on Facebook to stay up to date on all the latest Toro news.

Follow Toro Now

Register Your Product

Register your Toro product to receive important safety information, product updates, and more. Register your product today.

Warranty Registration

Stay Safe with Toro

Read our safety information to learn how to use your Toro equipment safely. Safety is our top priority.

Visit our Safety Page



HOME ENGLISH (CANADA) (CHANGE)

Products Parts Where To Buy Customer Support About Us

Search

Home Homeowner Mowers Zero Turn Mowers TITAN® MX 60" (152 cm) TITAN® MX6000 (74893)

Follow us on: Facebook Twitter YouTube Share: Email Print

Mowers

Zero Turn Mowers

- × TimeCutter® SS
- × TimeCutter® SW
- × TimeCutter® MX
- × TimeCutter® SWX
- × TITAN®
- × TITAN® MX
- 48" (122 cm) TITAN® MX4800 (74891)
- 51" (130 cm) TITAN® MX5100 (74892)
- **60" (152 cm) TITAN® MX6000 (74893)**
- 54" (137 cm) TITAN® MX5400 (74892)
- 60" (152 cm) TITAN® MX6000 (74893)

Lawn Mowers

Snow Blowers

Electric

Single Stage

Two Stage

SnowMaster

Yard Tools

Blowers/Vacu

Fertilizer

Delta Stringtrimmer

Professional Residential

Spray Nozzles

Spray Wand Nozzles

Detools

Landscape Drainage Products

Core Tillers

Barrows

Central Control Systems

Vehicles

Utility Vehicles

Side By Side Off Road ATVs & Vehicles

Camera Manuals

Auger/Plow/Blade

Chisel/Trailer

Front Loader

Front Wheel Drive

Front Wheel Drive

Front Wheel Drive

Front Wheel

Front Wheel

Front Wheel

Front Wheel

Front Wheel

Front Wheel

Front Wheel

Front Wheel

60" (152 cm) TITAN® MX6000 (74893)

Like 0

Floating 60" wide, 10 gauge mowing deck with bull nose reinforcement

25 hp 747cc Kohler® Commercial Confidant engine with heavy-duty canister air cleaner

The heavy-duty 1.5" x 3" tubular frame has seamless sides and no welded joints for extra strength. It's backed by a lifetime guarantee

Deluxe bolstered seat with adjustable floating suspension to glide over terrain



Overview **Features** Specifications Attachments Manuals Images & Video



KOHLER® Confidant Commercial Engine

Powered by a Kohler® Confidant commercial engine that features heavy-duty canister-style air cleaners, cast-iron cylinder liners, oversized micro-polished crankshaft bearings, and full pressure lubrication. Plus a modulated cooling fan to keep the engine cooler and quieter.



Rock-Solid Frame

A 1.5" x 3" (3.8 cm x 7.6 cm) tubular frame forms the rock-solid foundation for the rest of the mower. The large tubular frame tubes have seamless sides and no welded joints which provides maximum strength. And it's backed by a lifetime guarantee. Buy your Toro dealer for details.



Floating Fabricated Deck

This deep, fully welded steel mowing deck is ultra-tough and features a bull-nose bumper reinforcement for maximum structural integrity. It's floating, too!



Deck Washout Ports

Without a doubt, the best way to keep your mower deck clean is to wash it. Deck washout ports make it so easy to do. They're built into the deck so you can spray down the deck with water.



Heavy Duty Spindles

The heavy-duty spindles are made of high-strength steel and are designed to last. They're built into the deck so you can spray down the deck with water.



Rubber Discharge Chute

High performance rubber discharge chute allows for close trimming without damaging chute or landscape structures. Patented design provides exceptional clipping dispersion.



Smooth Performance

The commercial-grade ZT-3100 hydrostatic transmissions combine consistent performance with easy maintenance.



Deck Lift Pedal

Allows you to lift the mowing deck when changing the height of cut position and easily raise the mowing deck while moving to avoid scalping.



Large 22" Diameter Rear Tires

Large, 22" diameter rear tires provide ample traction and a smooth ride on rough terrain without tearing up your lawn.



Increased Flotation

Wider 13" x 6.5" front tires reduce compaction on your turf while providing a comfortable ride.



Deluxe Suspension Seat

This deluxe, thickly padded seat features large flotation and 10 roller mounts. Its 4-mount air-filled tubing, adjustable suspension system that absorbs bumps and vibrations to reduce operator fatigue.



Oversized Controls

This TITAN MX features oversized, comfortable controls that help reduce hand fatigue. Your larger panels of moving.



Flip-Up Floor Pan

This flip-up floor pan makes it easy to access or see top of the deck for cleaning off grass clippings. It's also packed with small holes for a fast-drying, non-slip, non-scratch floor.



4-Year/400 hour Limited Plus Lifetime Frame Warranty

As a manufacturer in the U.S., at Toro TITAN MX, we stand behind the quality of the best commercial-grade equipment. From the deck to the engine and transmission, if you're looking for the most reliable, most durable, most powerful, and the frame is guaranteed for life.

This Toro frame is built to last. It's made of heavy-duty steel and is designed to last for years.

way too low!

Financing

Learn more about financing options for your Toro mower. Visit [toro.com/financing](#) for more information.

[Financing Options](#)

Follow us on Facebook

Like us on Facebook to stay up to date on the latest Toro news, offers, and more. Visit [toro.com/facebook](#).

[Follow Toro Now](#)

Register Your Product

Register your Toro mower to receive important safety recalls, product updates, and more. Visit [toro.com/register](#) for more information.

Tracy M. Stewart

From: Camrose Cycle <sale@camrosecycle.com>
Sent: September-02-15 9:48 AM
To: Tracy M. Stewart
Subject: Re: Toro Titan MX6000 Quote.

If warranty is the main concern, I probably could get you a mower that is probably 4 times the mower I quoted you! The Mower I have in mind is a (Z Master Commercial 3000 Series) Suggested retail on this mower is **\$12,610.00**, but with your municipal discount we could sell it for **9080** plus gst. Warranty on these mowers are good for 5 years or 1200 hours with lifetime frame warranty.

Click on the following link for product specifications-<http://www.toro.com/en-ca/professional-contractor/mowers/commercial-zero-turn-mowers/pages/model.aspx?pid=74957>

Please contact me with any other questions you may have.

Sales
Ryan Williams
Camrose Cycle/Bobcat of Camrose
email: sales@camrosecycle.com
Ph.(780)672-0177
FAX.(780)672-3551
www.camrosecycle.com
Become a fan of us on facebook

On Wed, Sep 2, 2015 at 9:27 AM, Tracy M. Stewart <tmstewart@bawlf.com> wrote:

Wow, not much of a warranty for a commercial mower.....400 hrs would be used in no time.....

Tracy M. Stewart

Acting CAO

780-373-3797


F) 780-373-3798

Office Hours: Mon - Wed 8:30-12:00, 1:00-4:30



[Home](#) [Professional Contractor](#) [Mowers](#) [Z-Master Zero Turn Mowers](#) [Commercial 3000](#) [60" \(152 cm\) 23.5 HP 726cc \(74957\)](#)

Select your printing preference

- Overview
- Features
- Specifications
- Accessories
- Manuals
-  **PRINT**

60" (152 cm) 23.5 HP 726cc (74957)

Professional quality performance from the 23.5 HP Kawasaki FX Series 726cc Engine

60 in (152 cm) TURBO FORCE deck features heat-treated steel blades and our patented adjustable discharge chute, nothing cuts as fast or as well

Super fast 18,300+ ft./min blade tip speed, high-lift, flex-resistant 1.74" thick heat-treated steel blades

Toro's rugged spindle assemblies survive impacts that would destroy lesser spindles



Specifications

Engine	13.5 HP* Kawasaki® FX 726cc
Fuel Capacity	Gasoline - 8 gallons
Adjustable Discharge Baffle	Standard
Air Filter	Heavy-Duty Canister
Anti-Scalp Wheels	4 Standard, 1 Optional
Blade Tip Speed	18,300 ft/min (5,627 ft/min)
Blade Type	25" (4.0m) thick heat-treated steel
Carrier Frame	3" x 1.5" x 12 gauge
Caster Tires	13" x 6.5" - 8" pneumatic
Deck Design	21-gauge 60 in (152 cm) TURBO FORCE® w/bull-nose bumper
Discharge Chute	Roller
Drive Tires	21" x 10" - 14" pneumatic
Ground Speed	10 mph Forward
Height of Cut	1.5" - 6.5" in (3.8" increments)
Hour Meter	Numbered
Hydraulic Fluid	Automatic Hydraulic
Ignition	Electric Starting Standard
ROPS	Rolling Over Protection
Seat	Operator's Seat
Spindle Bearings	2 Water Seal Bearings
Spindle Housing	21" Hydraulic Spindle
Steering Controls	21" x 14" metal gear, adjustable, damped
Disclaimer	*The gross horsepower of these engines was laboratory rated at 3500 RPM by the engine manufacturer in accordance with SAE J1349 or JAE 200709. As configured for most safety, the actual horsepower available will be less than the gross horsepower. See pages 1 and 2 for the actual horsepower.

Accessories



Camrose Dynamic Sales Inc.

4620-39th Street
Camrose: AB T4V 2N5



Quote # 291523 Reference: Village of Bawlf Z725 (c)
Prepared for:

Expires: 09/01/2015
By:

Equipment

1 New Kubota #Z725KH-60 TRACTOR/25HP/GAS/60"DECK **\$9,600.00**



Qty	Item	Class	Description	Serial #
1	#Z725KH-60	Z Series Zero Turn Mower	TRACTOR/25HP/GAS/60"DECK	

Notes:

Quote Summary

Notes:

Equipment Total	\$9,600.00
Administration Fees	\$0.00
Other Taxable	\$0.00
Selling Price	\$9,600.00
Less Trades	\$0.00
Total After Trades	\$9,600.00
GST/HST	\$0.00
PST/QST	\$0.00
Non Taxable Environmental Charges	\$0.00
Other non taxable	\$0.00
Total	\$9,600.00
Plus Liens	\$0.00
Cash Down Payment	\$0.00
Total After Cash Down Payment	\$9,600.00

subject to management approval
Prices subject to change without notice. Prices based on current Kubota incentives and Camrose Dynamic's inventory. subject to physical appraisal

subject to finance approval

To accept, please sign here and return to dealer



Camrose Dynamic Sales Inc.

4620-39th Street
Camrose: AB T4V 2N5



Quote # 291520 Reference: Village of Bawlf ZG227 (c)
Prepared for:

Expires: 09/01/2015
By:

Equipment

1 New Kubota #ZG227LA-60 Tractor/27HP/Gas(With tires) **\$10,500.00**



Qty	Item	Class	Description	Serial #
1	#ZG227LA-60	Z Series Zero Turn Mower	Tractor/27HP/Gas(With tires)	

Notes:

Quote Summary

Notes:

Equipment Total	\$10,500.00
Administration Fees	\$0.00
Other Taxable	\$0.00
Selling Price	\$10,500.00
Less Trades	\$0.00
Total After Trades	\$10,500.00
GST/HST	\$0.00
PST/QST	\$0.00
Non Taxable Environmental Charges	\$0.00
Other non taxable	\$0.00
Total	\$10,500.00
Plus Liens	\$0.00
Cash Down Payment	\$0.00
Total After Cash Down Payment	\$10,500.00

subject to management approval
Prices subject to change without notice. Prices based on current Kubota incentives and Camrose Dynamic's inventory. subject to physical appraisal

subject to finance approval

warranty 2 yrs OR 2000 hrs.

To accept, please sign here and return to dealer



Camrose Dynamic Sales Inc.

4620-39th Street
Camrose: AB T4V 2N5



Quote # 291519 Reference: Village of Bawlf Zd323 (c)
Prepared for:

Expires: 09/01/2015
By:

Equipment

1 New Kubota #ZD323-60 23HP DSL 1-HST ZTR SDF60" MOW **\$13,800.00**



Qty	Item	Class	Description	Serial #
1	#ZD323-60	Z Series Zero Turn Mower	23HP DSL 1-HST ZTR SDF60" MOW	36760

Notes:

Quote Summary

Notes:

Equipment Total	\$13,800.00
Administration Fees	\$0.00
Other Taxable	\$0.00
Selling Price	\$13,800.00
Less Trades	\$0.00
Total After Trades	\$13,800.00
GST/HST	\$0.00
PST/QST	\$0.00
Non Taxable Environmental Charges	\$0.00
Other non taxable	\$0.00
Total	\$13,800.00
Plus Liens	\$0.00
Cash Down Payment	\$0.00
Total After Cash Down Payment	\$13,800.00

subject to management approval
Prices subject to change without notice. Prices based on current Kubota incentives and Camrose Dynamic's inventory. subject to physical appraisal

subject to finance approval

To accept, please sign here and return to dealer

VILLAGE OF BAWLF
Request for Decision (RFD)

Meeting:	Special Council
Meeting Date:	September 8, 2015
Originated By:	Tracy M. Stewart-Acting CAO
Title:	Thurber Engineering Groundwater Assessment and Monitoring Program for Bawlf Lagoon

BACKGROUND/PROPOSAL:

Further to:

- a) *THURBER ENGINEERING PROPOSAL – SEWAGE LAGOON GROUNDWATER ASSESSMENT AND MONITORING PROGRAM*

Motion 68/15 Moved By Mayor Tessari to direct Administration to contact Thurber Engineering for further research on whether we need to pursue the installation of monitoring wells or to have the lagoon lined and the cost.

CARRIED

I have had further discussions and meetings with Thurber Engineering, Doug Erickson and Gene Leskiw (Hydrogeological Specialist) of Alberta Environment and consensus is that we should proceed with Phase 1 of the Groundwater assessment at the Wastewater Lagoon which would be the desktop study.

DISCUSSION/OPTIONS/BENEFITS/DISADVANTAGES:

We do not know 100% that the lagoon is not leaking and because of the age of the lagoon and how it was grandfathered into the code of practice, if we were to decide to just go ahead and line the lagoon with a commercial liner, we would then have no choice but to proceed with the assessment anyways (please see attached email from Milan Butorac at Thurber Engineering).

COSTS/SOURCE OF FUNDING (if applicable)

As per attached Table 4.1

RECOMMENDED ACTION:

That Bawlf Council approve Thurber Engineerings' proposal.

Tracy M. Stewart

From: Gene Leskiw <Gene.Leskiw@gov.ab.ca>
Sent: August-26-15 9:19 AM
To: ! TMSTEWART
Subject: Hydrogeologic Investigation at Bawlf Lagoon

Hi Tracy.... Hi have reviewed the Thurber Proposal dated May 11 2015. The proposal is straight forward but please note that Item 2.2 in Table 4.1 is an optional item and will only be considered after the results of the leakage investigation are completed. I don't have any concerns with the proposal. I would like to stay in touch with you on this project. Thanks This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify the system manager. This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail.

Tracy M. Stewart

From: Milan Butorac <mbutorac@thurber.ca>
Sent: June-17-15 10:22 AM
To: Tracy M. Stewart
Cc: Neal Fernuik
Subject: RE: 115-5359_Proposal-Groundwater Assessment-Village of Bawlf Wastewater Lagoon

Tracy,

In your proposal request you asked for a lagoon groundwater assessment and monitoring program, Therefore, Thurber Engineering Ltd. (Thurber) assumed that you were asked by a regulator or someone else to do so. As your existing lagoon is older than the "Code of Practice for Wastewater Systems Using a Wastewater Lagoon" issued by Alberta Environment in 2003, the lagoon has been grandfathered with regards to groundwater monitoring. An exception to this grandfather clause is where the regulators have requested a monitoring program or the lagoon has undergone a major structural change.

If you were not specifically asked by a regulator for the groundwater monitoring program, then you are currently not required to undertake one. If however, you repair the lagoon liner, this repair will likely trigger a groundwater monitoring program as the lagoon will have undergone a major structural change.

You may have to ultimately line the lagoon, however, as we currently don't know if the lagoon is leaking or to what magnitude it is leaking, Thurber recommends to undertake a groundwater assessment to see if the lagoon is leaking. This would be Line Item 1 and 2.1 in Table 4.1 of Thurber's May 11 2015 proposal. An assessment could then be made as to what repairs and associated costs would be required to repair the lagoon. If major liner repairs are required, additional well protection on the newly installed wells could be provided during the construction stage. Upon completion of liner repairs the remaining groundwater wells, Line Item 2.2 in Table 4.1, could be installed. There would be an additional cost related to Line Item 2.2 as a separate mobilization/demobilization and living allowance would be required.

We trust this answers your questions. If you require additional information please contact the undersigned.

Milan Butorac, B.Sc., P.Geol.
Project Hydrogeologist

Thurber Engineering Ltd.
4127 Roper Road
Edmonton, AB T6E 6A5
T. 780 438-1460 | F. 780 437 7125
thurber.ca

From: Tracy M. Stewart [mailto:tmstewart@bawlf.com]
Sent: Monday, June 15, 2015 11:42 AM
To: Milan Butorac
Subject: RE: 115-5359_Proposal-Groundwater Assessment-Village of Bawlf Wastewater Lagoon

Hi Milan;

I am so that it has taken me so long to get back to you.
I have had Council ask me to find out some further information:

Their question is, do we go through the expense of having monitoring wells installed and then have to line the lagoon? Are we going to have to line the lagoon no matter what? Should we just line the lagoon??

I hope you can answer for us,
Thanks,

Tracy M. Stewart
Acting CAO
780-373-3797
F) 780-373-3798
Office Hours: Mon - Wed 8:30-12:00, 1:00-4:30

From: Milan Butorac [mailto:mbutorac@thurber.ca]
Sent: May-11-15 2:46 PM
To: tmstewart@bawlf.com
Cc: Neal Fernuik
Subject: 115-5359_Proposal-Groundwater Assessment-Village of Bawlf Wastewater Lagoon

Hi Tracy,

I recalled the email I sent to you at 11:30 because I sent by mistake an earlier working version of the proposal. The proposal attached to this email is correct one. If you have questions regarding the proposal please contact me or Neal.

Thank you.

Milan Butorac, B.Sc., P.Geol.
Project Hydrogeologist

Thurber Engineering Ltd.
4127 Roper Road
Edmonton, AB T6E 6A5
T. 780 438-1460 | F. 780 437 7125
thurber.ca

This e-mail and any attachments are intended for the use of the individual or entity named above. If you have received this e-mail by error please delete it and notify the sender. Any distribution, copying, reliance or action taken based on its contents by anyone other than the intended recipient is strictly prohibited.

All advice, recommendations or other work product of Thurber is subject to Thurber's Statement of Limitations and Conditions. This includes any advice, recommendation or work product contained in this email or its attachments. Thurber's Statement of Limitations and Conditions can be viewed [here](#).



THURBER ENGINEERING LTD.

May 11, 2015

File: 115-5359

Village of Bawlf
Camrose

Attention: Ms. Tracy M Stewart
Acting CAO

**PROPOSAL
VILLAGE OF BAWLF –SEWAGE LAGOON
GROUNDWATER ASSESSMENT AND MONITORING PROGRAM**

Dear Madam:

Further to our recent telephone and email correspondence, Thurber is pleased to submit this proposal to carry out a groundwater assessment and monitoring program to assess if the Village of Bawlf's Sewage Lagoon ("Lagoon") is leaking.

It is a condition of this proposal that Thurber's performance of its professional services will be subject to the attached Statement of Limitations and Conditions.

1. BACKGROUND

The Lagoon is located approximately one kilometer southwest of village of Bawlf. Thurber's 2014 report¹ indicated that the Lagoon may be leaking but could not be confirmed due to winter conditions of the assessment and lack of monitoring wells around the Lagoon. The Alberta Government's Code of Practice for Wastewater Systems² also requires a long term monitoring system to be established for wastewater lagoons.

2. METHODOLOGY

In order to assess potential leakage from the Lagoon and to establish a long term groundwater monitoring program, we propose the following phased approach:

- Phase 1 - Hydrogeological Desktop Study and Site Reconnaissance
- Phase 2 - Hydrogeological Program.

2.1 Phase 1- Hydrogeological Desktop Study and Site Reconnaissance

The hydrogeological desktop study will consist of collecting and interpreting available published geological maps, reports, data and air photographs of the Lagoon site and surrounding area in

¹ Thurber Engineering Ltd., December 9, 2014, *Bawlf Existing Sewage Treatment Plant Assessment of the Existing Lagoon Conditions*

² Code of Practice for Wastewater Systems Using a Wastewater Lagoon. September 2003. Alberta Government.



order to identify geomorphologic features and surface hydrogeological conditions. The assessment will also make use of the old lagoon's plans provided by Ms. Tracy Stewart.

The Site and surrounding area reconnaissance will be completed before proposing well locations around the Lagoon. Results of the Phase 1 study will be used to formulate the Phase 2 study

2.2 Phase 2- Hydrogeological Program

The hydrogeological program has been divided into two components. The first component is a site investigation for the lagoon leakage and the second component is establishing a long term groundwater monitoring program, if required.

2.2.1 Lagoon leakage investigation

We are proposing to drill and install five (5) monitoring wells; four to a depth of about 6 m and one to a depth of 15 m below the existing ground surface adjacent to each side of the Lagoon. The deeper well will be installed adjacent to one of the shallower wells in order to assess vertical groundwater gradient.

The boreholes used to install the wells will be drilled using a track-mounted drill rig equipped with solid and hollow flight augers mobilized from Edmonton. Thurber will provide full time observation and field logging using Thurber's drilling inspectors.

Sloughing and water levels will be monitored during drilling. Machine slotted 50 mm diameter Schedule 40 polyvinyl chloride (PVC) and solid casing will be installed in all wells to allow for monitoring of groundwater levels and groundwater sampling. Each well would be fitted with a one meter lockable metal casing protector that would be installed at ground surface. We have also made an allowance for the wells to be surveyed to geodetic x and y coordinates and elevations.

We are also proposing to conduct slug tests in three of the wells for the purpose of providing insitu hydraulic conductivity values. Groundwater samples will be obtained approximately two to three weeks after well installation and the slug tests will take place during water sampling.

As part of the lagoon leakage investigation we will collect 11 sets of the water samples. Water samples will be taken from each of the five wells, the lagoon cells (3), creek (1) and drainage trench (1). One duplicate water sample will also be taken as part of the quality assurance/quality control program. Water samples will be analyzed for the following parameters;

- Routine Potability
- Total Kjeldahl Nitrogen
- Chemical Oxygen Demand
- Total and Fecal Coliforms.



2.2.2 Long term groundwater monitoring

Alberta's Code of Practice for Wastewater Systems stipulates that a monitoring well cannot be spaced more than 100 m apart. Given the size of the existing Lagoon an additional seven (7) monitoring wells would be required to be installed. Installation of the wells would be to a depth of approximately 6 m and would be similar in construction as the lagoon seepage assessment wells.

Groundwater sampling would be for the same parameters as outlined in Section 2.2.1

3. ANALYSES AND REPORT

The report will include the results of the field investigation and will present the following:

- Desktop study summary
- Subsurface conditions
- Monitoring well logs and groundwater levels
- Groundwater flow direction
- Groundwater analytical testing
- Conclusion and Recommendations.

4. PRICE ESTIMATE

The estimated price to carry out this project is presented on Tables 4.1 attached and does not include GST. Thurber's invoice will be based on time and materials of our professional and technical staff as per the attached 2015 Schedule of Rates.

5. SCHEDULE

We are available to undertake this investigation as soon as authorized. We propose to have a conference call upon completion of the hydrogeological desk-top study and then after assessment of the groundwater chemical analyses from the five lagoon leaking wells. A final report will be provided approximately two to three weeks after completion of the groundwater and laboratory testing.



6. CLOSURE

We trust this proposal meets with your approval. If you have any questions or require further information, please contact us at your convenience.

Yours very truly,
Thurber Engineering Ltd.
Neal Fernuik, M.Sc., P. Biol., P.Eng.
Review Principal

Milan Butorac

Milan Butorac, B.Sc., P. Geol.
Project Hydrogeologist
/lg

Attachments

- Statement of Limitations and Conditions
- Thurber 2015 Schedule of Rates



**TABLE 4.1- PRICE ESTIMATE
VILLAGE OF BAWLF SEWAGE LAGOON -HYDROGEOLOGICAL ASSESSMENT**

	FEES	DISB.	SUBS	TOTALS
1. PHASE 1 – Desktop Study				
Desktop Study & Site Reconnaissance	\$2,500	\$800		\$3,300
Subtotal	\$2,500	\$800		\$3,300
2. PHASE 2 - Hydrogeological Investigation				
2.1 Lagoon Leakage Investigation				
Drilling 5 Monitoring Wells	\$2,600	-	\$16,000	\$18,600
Groundwater Testing, chemical analyses and well surveying	\$1,800	\$1,000	\$4,000	\$6,800
Project coordination, analysis and reporting	\$7,000	\$800		\$7,800
Subtotal	\$11,400	\$1,800	\$20,000	\$33,200
2.2 Long Term Groundwater Monitoring				
Drilling Additional 7 Monitoring Wells	\$2,500	\$500	\$15,500	\$18,500
Subtotal	\$2,500	\$500	\$15,500	\$18,500
TOTAL ESTIMATE DESKTOP & 2.1	\$13,900	\$2,600	\$20,000	\$36,500
TOTAL ESTIMATE DESKTOP, 2.1 & 2.2 (GST excluded)	\$16,400	\$3,100	\$35,500	\$55,000

- Prior to drilling, we will contact Alberta One Call to locate any existing underground utilities.
- The price is based on a one mobilization/demobilization to site for the drilling program. We have assumed that site is accessible to a track-mounted auger drill rig mobilized from Edmonton. No allowance has been included for any access preparation or site clearing if required.
- The drill cuttings will be left on site and will be neatly piled around the well installation.
- Groundwater sampling and slug tests will occur approximately two to three weeks after well installation as a separate mobilization/demobilization. If the wells are dry or limited water is available a separate mobilization/demobilization has not been accounted for.
- We have not made an allowance to retain a private locator to locate utilities on private land. We can provide this service, if required, at an additional cost.
- Decommissioning of monitoring wells has not been included. No allowance has been included for any standby charges beyond our control.



STATEMENT OF LIMITATIONS AND CONDITIONS

1. STANDARD OF CARE

This Report has been prepared in accordance with generally accepted engineering or environmental consulting practices in the applicable jurisdiction. No other warranty, expressed or implied, is intended or made.

2. COMPLETE REPORT

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment are a part of the Report, which is of a summary nature and is not intended to stand alone without reference to the instructions given to Thurber by the Client, communications between Thurber and the Client, and any other reports, proposals or documents prepared by Thurber for the Client relative to the specific site described herein, all of which together constitute the Report.

IN ORDER TO PROPERLY UNDERSTAND THE SUGGESTIONS, RECOMMENDATIONS AND OPINIONS EXPRESSED HEREIN, REFERENCE MUST BE MADE TO THE WHOLE OF THE REPORT. THURBER IS NOT RESPONSIBLE FOR USE BY ANY PARTY OF PORTIONS OF THE REPORT WITHOUT REFERENCE TO THE WHOLE REPORT.

3. BASIS OF REPORT

The Report has been prepared for the specific site, development, design objectives and purposes that were described to Thurber by the Client. The applicability and reliability of any of the findings, recommendations, suggestions, or opinions expressed in the Report, subject to the limitations provided herein, are only valid to the extent that the Report expressly addresses proposed development, design objectives and purposes, and then only to the extent that there has been no material alteration to or variation from any of the said descriptions provided to Thurber, unless Thurber is specifically requested by the Client to review and revise the Report in light of such alteration or variation.

4. USE OF THE REPORT

The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client. NO OTHER PARTY MAY USE OR RELY UPON THE REPORT OR ANY PORTION THEREOF WITHOUT THURBER'S WRITTEN CONSENT AND SUCH USE SHALL BE ON SUCH TERMS AND CONDITIONS AS THURBER MAY EXPRESSLY APPROVE. Ownership in and copyright for the contents of the Report belong to Thurber. Any use which a third party makes of the Report, is the sole responsibility of such third party. Thurber accepts no responsibility whatsoever for damages suffered by any third party resulting from use of the Report without Thurber's express written permission.

5. INTERPRETATION OF THE REPORT

- a) **Nature and Exactness of Soil and Contaminant Description:** Classification and identification of soils, rocks, geological units, contaminant materials and quantities have been based on investigations performed in accordance with the standards set out in Paragraph 1. Classification and identification of these factors are judgmental in nature. Comprehensive sampling and testing programs implemented with the appropriate equipment by experienced personnel may fail to locate some conditions. All investigations utilizing the standards of Paragraph 1 will involve an inherent risk that some conditions will not be detected and all documents or records summarizing such investigations will be based on assumptions of what exists between the actual points sampled. Actual conditions may vary significantly between the points investigated and the Client and all other persons making use of such documents or records with our express written consent should be aware of this risk and the Report is delivered subject to the express condition that such risk is accepted by the Client and such other persons. Some conditions are subject to change over time and those making use of the Report should be aware of this possibility and understand that the Report only presents the conditions at the sampled points at the time of sampling. If special concerns exist, or the Client has special considerations or requirements, the Client should disclose them so that additional or special investigations may be undertaken which would not otherwise be within the scope of investigations made for the purposes of the Report.
- b) **Reliance on Provided Information:** The evaluation and conclusions contained in the Report have been prepared on the basis of conditions in evidence at the time of site inspections and on the basis of information provided to Thurber. Thurber has relied in good faith upon representations, information and instructions provided by the Client and others concerning the site. Accordingly, Thurber does not accept responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of misstatements, omissions, misrepresentations, or fraudulent acts of the Client or other persons providing information relied on by Thurber. Thurber is entitled to rely on such representations, information and instructions and is not required to carry out investigations to determine the truth or accuracy of such representations, information and instructions.
- c) **Design Services:** The Report may form part of design and construction documents for information purposes even though it may have been issued prior to final design being completed. Thurber should be retained to review final design, project plans and related documents prior to construction to confirm that they are consistent with the intent of the Report. Any differences that may exist between the Report's recommendations and the final design detailed in the contract documents should be reported to Thurber immediately so that Thurber can address potential conflicts.
- d) **Construction Services:** During construction Thurber should be retained to provide field reviews. Field reviews consist of performing sufficient and timely observations of encountered conditions in order to confirm and document that the site conditions do not materially differ from those interpreted conditions considered in the preparation of the report. Adequate field reviews are necessary for Thurber to provide letters of assurance, in accordance with the requirements of many regulatory authorities.

6. RELEASE OF POLLUTANTS OR HAZARDOUS SUBSTANCES

Geotechnical engineering and environmental consulting projects often have the potential to encounter pollutants or hazardous substances and the potential to cause the escape, release or dispersal of those substances. Thurber shall have no liability to the Client under any circumstances, for the escape, release or dispersal of pollutants or hazardous substances, unless such pollutants or hazardous substances have been specifically and accurately identified to Thurber by the Client prior to the commencement of Thurber's professional services.

7. INDEPENDENT JUDGEMENTS OF CLIENT

The information, interpretations and conclusions in the Report are based on Thurber's interpretation of conditions revealed through limited investigation conducted within a defined scope of services. Thurber does not accept responsibility for independent conclusions, interpretations, interpolations and/or decisions of the Client, or others who may come into possession of the Report, or any part thereof, which may be based on information contained in the Report. This restriction of liability includes but is not limited to decisions made to develop, purchase or sell land.

Schedule of Rates - 2015

Professional Services

Hourly Rate

Professional 7 (Chief Engineer & Specialist)	\$265
Professional 6	\$240
Professional 5	\$210
Professional 4	\$190
Professional 3	\$165
Professional 2	\$145
Professional 1	\$125

Technical Services

Hourly Rate

Technician 6	\$150
Technician 5	\$130
Technician 4	\$115
Technician 3	\$105
Technician 2	\$95
Technician 1	\$80

Disbursements

Office Disbursements (communications, printing, engineers local travel, cameras, handheld GPS)	8% of Fees
External Disbursements	Cost plus 10%
Rental vehicles where off-road use is required	Cost plus 25%
Subconsultants	Cost plus 10%
Company Vehicle Use	\$65/day + \$0.65/km
Specialized Field Equipment	Project Specific Rates
Colour Printing and Plotting	\$3.50/ft ²

Notes

- A 15% premium on the above rates will be charged for overtime when technician field work is requested on Saturdays, Sundays and Statutory Holidays.
- Fees and disbursements will be invoiced monthly. Payment is due within 30 days of the invoice date.
- Interest at 1.5% per month will be charged on overdue accounts.
- These rates do not include G.S.T.

VILLAGE OF BAWLF
Request for Decision (RFD)

Meeting:	Special Council
Meeting Date:	September 8, 2015
Originated By:	Tracy M. Stewart-Acting CAO
Title:	Donation for 114 Vrolson Road - Fire

BACKGROUND/PROPOSAL:

As most of you know by now, the residents of 114 Vrolson Road sustained a major fire at their residence this past Friday September 4, 2015.

Their loss is unsurmountable and I'm sure we cannot even begin to comprehend what they are going through.

There have been various donation sites already set up within the community as well as at a financial institution.

DISCUSSION/OPTIONS/BENEFITS/DISADVANTAGES:

Up for discussion on what Council would like to proceed or join in with.

COSTS/SOURCE OF FUNDING (if applicable)

RECOMMENDED ACTION: