

**TOWN OF LUMSDEN**  
**MINUTES OF THE WASTEWATER TREATMENT COMMITTEE MEETING**  
**HELD ON MARCH 11, 2013**

The Wastewater Treatment Committee convened their meeting in the municipal office in Lumsden, on Monday, March 11, 2013 at 4:00 p.m. with Chairperson Rhonda Phillips presiding.

<b>Present:</b>	Chairperson:	Rhonda Phillips
	Mayor:	Bryan Matheson
	Committee Member:	Wes Holbetz (left at 4:52pm)
	Utilities Foreman:	Dave Cherney
	Assistant Administrator:	Krystal Strong
	Advisory Member:	Doug Mader
	Observer:	Tom Harrison; RM of Lumsden Councillor
<b>Absent:</b>	Town Councillor:	Trevor Grohs

Chairperson Rhonda Phillips convened the meeting.

Reviewed Timeline & Progress:

- behind schedule due to lack of funding
- ready to move forward detailed design, cost is approx. \$500,000
- a decision needs to be made regarding which treatment plant will be built

SAGR System:

- a more accurate estimate is needed for the cost of building the plant
- alternative locations are being explored, waiting to hear from Nelson Environmental

Visit to the Town of Shellbrook's SAGR Lagoon:

- 2hrs/day is needed to operate the system by a level 2 operator
- they have 3 small lagoons on 5 acres that is fenced with plenty of room
- there were temperature concerns regarding growing bacteria
- no odor was noticed
- they don't have an anoxic pond, our ammonia standards are more stringent than Shellbrook's
- Shellbrook uses alum, Lumsden proposes the use of ferric chloride
- anoxic cell in Lumsden may produce some odor, can be avoided with aeration hopefully
- Lumsden averages 2.2 degrees warmer than Shellbrook
- Shellbrook has a UV disinfection cell
- they decommissioned their mechanical plant to build the SAGR Lagoon
- 2x 25 horsepower aerators +1 train of 4 anoxic pond mixers to diffuse the anoxic cell may be used in Lumsden

Possible New Location for Lagoon:

- Discussed possible new location on the side of the valley, out of the flood plain, east of Site A1 proposed for the mechanical plant
- Need 5 meters height for the lagoon, only have 1.5 to water table-not enough depth at the bottom of the valley
- Geo-tech report is required for the valley slope location to see if there is enough depth before hitting the water table. Cost is approx. \$7,000-10,000 for a geo tech report
- consideration will be made regarding the possible new location along the valley slope, including if it is pasture or native prairie land, and its proximity to the landfill may lower the value of the land

GMF Loan Application:

- Rhonda updated the committee on the status of the loan application
- 5 million dollars was applied for
- Need a business plan, must be cost recovery and show a profit. Capital costs, maintenance, inflation, revenue, number of houses, charges/sewer rates and reserve amounts must all be included
- The application is currently under review at FCM

Project Coordinator:

- It is estimated that the position will be for approximately 4 years
- A Request for Proposals will be used for the detailed design
- Advertise for the Project Coordinator for 2 days a week
- Add amount for salary to Town budget
- Question: do we need them full-time during construction period? Does the Engineering firm normally supervise during construction?
- The PC can develop the business plan and investigate setting up a utility

Business Plan:

- set sewage rates for 2015

General Discussion:

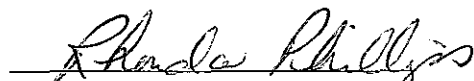
- A review of the triple bottom line analysis of the mechanical plan vs. the SAGR Lagoon
- Stantec did the design for shellbrook
- Cory at Associated Engineering worked with Dundurn on their SAGR Lagoon
- Walker Projects may also have experience with this type of lagoon system
- Question: Are there any other grants available?
- Communication needs to take place with the RM of Lumsden regarding possible future expansion and annexation of the Town into the RM. Consideration should be for the next 20 years and where expansion may take place. The new treatment facility should be able to treat waste for between 3,000-7,000 residents
- Question: can a lagoon handle 7,000 residents' waste?
- Mechanical plant is a better option for a regional plant, however Dundurn is using a SAGR system as a regional plant

To Do:

- Darcie to contact Kelly at Shellbrook
- Follow up with Nelson re: new location
- AE cost of design-AE doing it for white city, 10% variance. Geo tech analysis
- Budget items, need \$50,000 from sewage reserve
- Hire a Project Coordinator
- Municipal plant vs regional plant. Decide on size, due date for participants
- March 25<sup>th</sup> meeting, drop dead dates for who is involved
- Look into how Shellbrook got funding

Adjournment:

The meeting adjourned at 6:01 p.m.



Chairperson



Chief Administrative Officer