

TOWN OF LUMSDEN
MINUTES OF THE WASTEWATER TREATMENT WORKSHOP
HELD ON FEBRUARY 23RD, 2011

The Wastewater Treatment Committee held a workshop in the Council Chambers in Lumsden, on the morning of Wednesday, February 23rd, 2011 at 9:00 a.m. with Chairperson Rhonda Phillips presiding.

Present:

Chairperson:	Rhonda Phillips
Mayor:	Bryan Matheson
Councillors:	Doug Mader, Sid Sikorski, Al Sulma
Asst. Administrator:	Darcie Cooper
Utilities Foreman:	Dave Cherney

Associated Engineering (AE): Bill Heywood
Michael Whalley, Wastewater Process Specialist
Hugh Hamilton, Summit Environmental
Stan Togenrud

The group met for the 1st Workshop for the Wastewater Treatment Preliminary Design and Concept Study as outlined in Associated Engineering's proposal. Bill Heywood introduced his colleagues and provided a brief biography on each member.

Discussion Items:

- AE asked the committee if there were any changes that needed to be considered regarding growth rate, population considerations for the design of the plant
- AE requested confirmation that council has abandoned Approach B identified in the 2007 report prepared by Associated Engineering to explore unproven technologies for wastewater treatment and confirmation that Council is committed to a Mechanical Wastewater Treatment. AE indicated there is risk with unproven processes.
- Will look at package type plant process
- Daily flow monitoring is currently going on and will likely take about 14 days to complete. This information is necessary to characterize the effluent coming into the lift station and is used to determine how large tanks need to be, bio solids produced and the amount of oxygen needed.
- The committee asked if Low flow toilets negatively affect the Wastewater treatment. AE indicated that the concentration is affected but that is easy to deal with. The load is the big component.
- Discussed population projections
- AE will provide cost options on effluent population projections
- AE indicated that preliminary numbers received from the Ministry of Environment requires that our phosphorous level be at .75 which could result in an increase to the project by as much as 20% (est. \$2,000,000). AE indicated that if Ministry of Environment relaxes these parameters to 1.00, the process can be easier to handle and would be more in line with the requirements of the City of Regina.
- Frank Reid, with the Ministry of Environment said they may relax the phosphorous level from .75 to 1 if data supports it. Rhonda will get data to Hugh Hamilton, AE with respect to river testing done in the past
- Permit limits that the Ministry of Environment are more stringent than the 2007 Wastewater Strategy done by AE. Dave Cherney questioned why our permit limits would be more stringent than the Federal government requirements. AE indicated that Provincial numbers are more stringent because Federal government use default limits. Ministry of Environment may require an Environmental Risk Assessment to each Wastewater system to determine permit numbers customized to each system.
- It was indicated that since the requirements are more stringent in the Qu'Appelle Valley, the government should help subsidize the project
- Site locations were discussed, and indicated that Site A may be a preferred site location due to proximity of utilities and force main. Setbacks were discussed and to remove all odor from the plant, in order for it to be close or in residential areas would increase the cost of the project from 10 – 25%

RP MB

Wastewater Treatment Plant – Outside Septage:

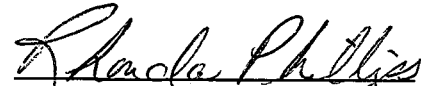
Sulma/Mader: “That we recommend Council not allow the acceptance of septage from users outside of town limits into our Wastewater Treatment Plant due to the increase in cost of design and the unknown variables of product being received.” **CARRIED**


Regulatory Framework:

- Risk at this time is the federal regulations
- Ministry of Environment may require an Environmental Assessment Study. AE feels that with the permit numbers that the Ministry of Environment have laid out, that they may have done their own risk assessment on the Qu’Appelle Valley

Adjournment:

The meeting adjourned at 12:00 p.m.


Chairperson


Administrator