



# North Red Deer Regional Wastewater Services Commission

5432-56 Avenue, Lacombe AB T4L1E9 Tel: (403)782-1254 Fax: (403)782-5655 mgoudy@lacombe.ca

**December 9, 2019**  
**Time 10:00 am-11:00 pm**

COUNCIL CHAMBERS  
LACOMBE AB

## **Invitees:**

**Members:** Councillor Ken Wigmore, Chairperson, Lacombe County  
Mayor Richard Poole, Vice Chairperson, Town of Blackfalds  
Mayor Grant Creasey, Director, City of Lacombe

**Others:** Matthew Goudy, CAO - NRDRWWSC  
Myron Thompson, CAO, Town of Blackfalds  
Preston Weran, Director of Infrastructure & Property Services, Town of Blackfalds  
Tim Timmons, County Manager, Lacombe County  
Michael Minchin, Manager of Corporate Services, Lacombe County  
Mau, Senior Manager of Financial Services, City of Lacombe  
Jordan Thompson, Director of Operations & Planning Services, City of Lacombe  
Amber Mitchell, Engineering Services Manager, City of Lacombe  
Chris Huston, Utilities Manager, City of Lacombe  
Denise Bellabono, Administrative Assistant, NRDRWWSC

**Guests:** Joel Sawatzky, Stantec Consulting Ltd.  
Todd Simenson, Stantec Consulting Ltd.

## **AGENDA**

1. Call to Order by Chair Wigmore
2. Adoption of Agenda
3. Adoption of Previous Minutes

Regular Meeting Minutes- November 4, 2019

4. Operational Report



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## 5. Scheduling of 2020 Meetings:

- April 6, 2020 at 10:00am
- June 22, 2020 at 10:00am
- September 21, 2020 at 10:00am
- November 9, 2020 at 10:00am

Any additional meetings scheduled as required.

## 6. Adjournment

### Attachments:

NRDRWWSC Minute -Draft – November 4, 2019

NRDRWWSC- Operational Report- December 9, 2019

**REGIONAL WASTEWATER MEETING MINUTES**

**November 4, 2019**  
COUNCIL CHAMBERS  
LACOMBE AB

**In Attendance:**

**Members:** Councillor Ken Wigmore, Chair, Councillor, Lacombe County  
Mayor Richard Poole, Vice Chair, Mayor, Town of Blackfalds  
Mayor Grant Creasey, Director, Mayor, City of Lacombe

**Others:** Matthew Goudy, CAO, NRDRWWSC  
Preston Weran, Director of Infrastructure & Property Services, Town of Blackfalds  
Tim Timmons, County Commissioner, Lacombe County  
Jordan Thompson, Director of Operations & Planning, City of Lacombe  
Chris Huston, Utilities Manager, City of Lacombe  
Denise Bellabono, Administrative Assistant, NRDRWWSC

**Guests:** Joel Sawatzky, Stantec Consulting Ltd.  
Todd Simenson, Stantec Consulting Ltd.

**Regrets:** Myron Thompson, CAO, Town of Blackfalds  
Michael Minchin, Manager of Corporate Services, Lacombe County  
Amber Mitchell, Engineering Services Manager, City of Lacombe

**1. Call to Order:**

CAO Goudy called the meeting to order at 10:37am.

CARRIED

**2. Adoption of the Agenda:**

*MOVED by Vice Chair Poole that the agenda for November 4, 2019 be adopted as presented.*

CARRIED

**3. Nomination of Officers**

1) Chairman

Mayor Poole nominated Lacombe County, Councillor Ken Wigmore

*MOVED by Mayor Creasey that the nomination of Chair cease.*

CARRIED

- 2) Vice Chairman  
Mayor Creasey nominated Town of Blackfalds, Mayor Richard Poole

*MOVED by Councillor Wigmore that the nomination of Vice-Chair cease.*

CARRIED

*MOVED by Mayor Creasey that Councillor Ken Wigmore be elected Chair and Mayor Richard Poole be elected Vice Chair of the North Red Deer Regional Wastewater Services Commission for the term of one-year term as stated in the NRDRWWSC Bylaw1, effective November 4, 2019 and expiring November 5, 2020.*

CARRIED

#### **4. Adoption of Previous Minutes**

Regular Meeting of September 9, 2019, 2019

*MOVED by Director Creasey that the minutes for September 9, 2019 meeting be adopted as amended.*

CARRIED

#### **5. 2020 Operating Budget**

CAO Goudy presented to the Commission the 2020 Operating Budget for consideration and approval based on actual usage in addition to the business plan. The Regional Wastewater rate will remain at 1.87 per cubic metre for 2020, with reductions to natural gas, chemicals, debentures and interest. Estimated costs will increase for legal fees, insurance premiums, bond premiums, treatment charges, operations contract, water and electrical utilities, and transfer to operating reserve. Until all members are substantially drawing services, a requisition for both estimated debt and administration will be charged to each municipality.

*MOVED by Vice Chair Poole that the Commission adopt the 2020 Operating Budget.*

CARRIED

#### **6. Operational Report**

Manager Huston presented the operational report for November 4, 2019 with updates on candy canes installed in Lacombe and Blackfalds as well as the modifications required of the pump programming. Stantec is working with Postma Electric on the reconfiguration of the pump cables in Lacombe and will be complete by November 6, 2019. The estimated delivery of the new pumps is April 2020. The Odour Management Facility has been operating as designed with some spikes in h2s levels in the station that are migrating down the line. Operations is looking into solutions to limit the h2s entering the stripping chamber, one of which is an alternative chemical addition that has been successful in other regional systems in the area.

*MOVED by Director Creasey to accept the Operational Monthly Report of November 4, 2019 as information.*

CARRIED

**7. Next Meeting**

The next meeting scheduled is for Monday December 9, 2019 at 10:00am in the City of Lacombe Council Chambers.

**8. Adjournment:**

*MOVED by Director Creasey that the North Red Deer Regional Wastewater Services Commission meeting of November 4, 2019 be adjourned at 11:09 am.*

CARRIED

\_\_\_\_\_  
Chair

\_\_\_\_\_  
Administrator

DRAFT



# North Red Deer Regional Wastewater Services Commission

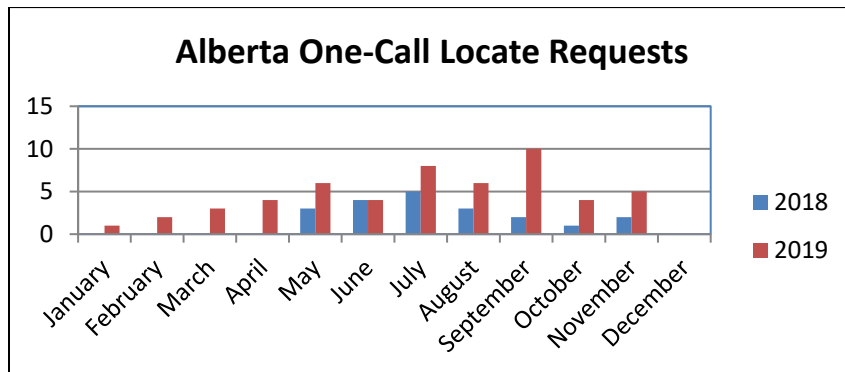
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## CITY OF LACOMBE MANAGEMENT SERVICES OPERATIONAL MONTHLY REPORT DECEMBER 9<sup>TH</sup>, 2019

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Since the last update provided to Commission members on November 4<sup>th</sup>, the City of Lacombe Management Services has:

Alberta One-Call Locate Requests:



Alberta One-Call Locate Requests 2019 to date 53

Engineering:

The following is an update on the remaining work:

1. 'Candy Canes' installed at Lacombe and Blackfalds.
2. New full size Impeller for Lacombe pump – Installed on November 18.

Construction Deficiencies:

1. Blackfalds LS
  - a. Harmonic filter failure – 3Phase Power Systems investigating failure, no report yet.
  - b. Waiting on Alpha to provide an update on the fencing and gravelling.
2. Lacombe LS
  - a. Waiting on Alpha to provide an update on the pond liner repair, fencing and hydro seeding.

### **EQUALIZATION STORAGE**

Lacombe:

- Clean up of the last cell with HDPE liner by Alpha construction.



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## Blackfalds:

- Perimeter fence has been installed; one gate still needs to be repaired by the contractor.

## SITE RESPONSE

### Lacombe:

- Operators continue to support Stantec and contractors in monitoring pump vibration and motor issues.
- Victaulic couplings on pumps were starting to leak fluid, Operations removed, lubricated and re-installed the coupling. Operations is monitoring and checking with manufacturer regarding if the coupling is correct model for the application.
- Administration is working with Flow Point/Stantec to get the Commissions Wastewater Receiving Station operational. Hauler Agreement and Request for Account documents have been finalized.
- Operations increased bioxide dosage at Lacombe to combat a very high H<sub>2</sub>S level hitting Blackfalds/OMF (this is described more in the Blackfalds and OMF sections below). Returned to 'normal' dosage after the cause of the issue was found and corrected at the Blackfalds lift station.

### Blackfalds:

- Considerable time was spent investigating a consistently high H<sub>2</sub>S issue both at the OMF and downstream toward the Red Deer WWTP. The bioxide dosing system in Blackfalds was found to be recirculating chemical back into the holding tank, resulting in no chemical addition to the raw wastewater. Since no bioxide chemical was being added, the bugs in the wastewater generated very high H<sub>2</sub>S levels in the system. The issue has now been fixed and OMF saw H<sub>2</sub>S readings decrease to within acceptable ranges.
- Operations is looking installing another pressure valve on the bioxide system to aid in detecting any issue from chemical recirculation.

### Odour Management Facility:

- Biorem, the manufacturer of the OMF system, analysed the biofilter media to determine if it is operating as required. Their report indicates the media and bugs are healthy but recommended increasing irrigation time within the system from 37 minutes every 48 hrs, to 48 minutes every 48 hours (changes were made to the system).



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- Because of the consistently very high H<sub>2</sub>S levels in the system recently (due to the issue with the recirculation of bioxide in the Blackfalds lift station described above) the activated carbon media in the OMF was fully consumed. Replacement of the carbon media cost approximately \$25,000.
- The OMF is meant to handle peaks in H<sub>2</sub>S levels through a combination of biological media and activated carbon. The biological media to reduce routine H<sub>2</sub>S peaks to 10ppm, while the activated carbon handles very high H<sub>2</sub>S peaks that exceed the biological media capacity to reduce below 10ppm under normal operations, the carbon tank holds enough carbon media to last at least a year under normal operations.

If you have any questions or comments regarding the operations described above, please do not hesitate to contact me.

Regards,

Chris Huston  
Operations Supervisor