

SMOKY LAKE COUNTY

A G E N D A: County Council Meeting for the purpose of a
Utilities Meeting: Environmental Operations

to be held on Tuesday December 8, 2020 at 9:00 o'clock A.M.

Held in Council Chambers and virtually online through Zoom Meeting

<https://us02web.zoom.us/j/84780321364?pwd=eFpUbK5McUloYkEzSnk0dlhoeikxUT09>

Meeting ID: 847 8032 1364 Passcode: 701567

1. Meeting:

- 1.1 Call to Order
- 1.2 Election of Environmental Operations Chairman.
- 1.3 Election of Environmental Operations Vice-Chairman.

2. Agenda:

Acceptance of Agenda:
As presented or
Subject to additions or deletions.

3. Minutes:

- 3.1 Adopt minutes of October 14, 2020 Utilities Meeting: Environmental Operations Meeting. ©

Recommendation: Motion to Adopt.

- 3.2 Utilities Meeting: October 14, 2020 Environmental Operations **Action List.** ©

Recommendation: File for Information.

4. Request for Decision:

- 4.1 Caltex Resources Water Usage Request. ©

Recommendation: Councils Discretion.

5. Issues for Information:

- 5.1 Managers Report. ©
- 5.2 Evergreen Regional Waste Management Services Commission Meeting Oct. 21, 2020. ©
- 5.3 Evergreen Regional Waste Management Services Commission Meeting Nov. 25, 2020. ©

Recommendation: File for Information.

6. Correspondence:

- 6.1 Paul's Takeaways from Alberta Care conference Pincher Creek. ©
- 6.2 SWANA Waste to Energy Virtual Workshop Dec. 3, 2020. ©
- 6.3 Clean Farms Six Collection Locations Added to Alberta Ag Plastic. ©

Recommendation: For Discussion.

7. Delegation(s):

8. Executive Session:

9. Date and time of Next Meeting(s):

Adjournment

SMOKY LAKE COUNTY

Minutes of the **Environmental Operations Meeting** (Water, Wastewater and Waste Management) held on Wednesday, **October 14, 2020** at 10:12 A.M. held virtually online through Electronic Communication Technology: Zoom Meeting and physically in Council Chambers.

The meeting was called to Order by the Chairperson Lorne Halisky in the presence of the following persons:

ATTENDANCE		
<u>Div. No.</u>	<u>Councillor(s)</u>	<u>Wednesday, Oct. 14, 2020</u>
1	Dan Gawalko	Present in Chambers
2	Johnny Cherniwchan	Present in Chambers
3	Craig Lukinuk	Present in Chambers
4	Lorne Halisky	Present in Chambers
5	Randy Orichowski	Present in Chambers
Interim CAO	Lydia Cielin	Present in Chambers
Finance Manager	Brenda Adamson	Virtually Present
Env. Oper. Manager	Dave Franchuk	Present in Chambers
Legislative Svcs/R.S.	Patti Priest	Virtually Present

Nat. Gas Manager	Daniel Moric	Virtually Present
Media	Smoky Lake Signal	Virtually Present @ 10:46 a.m.
Media	Redwater Review	Absent
Public	One	Virtually Present

2. Agenda:

1207-20: Lukinuk That the Smoky Lake County Environmental Operations Meeting Agenda for Wednesday, October 14, 2020, be adopted, as presented.

Carried Unanimously.

3. Minutes:

1208-20: Orichowski That the Minutes of the Smoky Lake County Environmental Operations Meeting held on Tuesday, August 18, 2020, be adopted as presented.

Carried.

1209-20: Cherniwchan That the Action List from the Smoky Lake County Environmental Operations Meeting held on Tuesday, August 18, 2020, be filed for information.

Carried.

Smoky Lake Signal virtually joined the meeting, time 10:46 a.m.

4. Request for Decision:

Request for Water and Wastewater Services - Warspite

1210-20: Lukinuk That Smoky Lake County respond to the interested party's email received by the Environmental Operations Manager, dated September 22, 2020, in regard to the Subject: "Warspite Water hook up" in respect to the property located at 59167 Range Road 183, Warspite, legally described as Plan 314HW, Block I, NW-10-59-18-W4, to notify them of the minimum cost in the amount of \$2,500.00 for hookup fees as per Bylaw No. 1318-18: Water and Sewer; and, upon receipt of the \$2,500.00, the County will determine the best servicing option as well as what the cost recovery would be as an additional cost to be borne by the property owner(s), as currently, there is no water or sewer service lines adjacent to the said property.

Carried.

5. Issues for Information:

Environmental Operations: Manager's Report

1211-20: Gawalko That the Smoky Lake County Environmental Operations Manager's report for the period of August 11, 2020 to October 6, 2020, be accepted and filed for information.

Carried.

Sargent Tina Chan, Smoky Lake RCMP Detachment's entered Council Chambers, time 11:15 a.m.

Sargent Chan will arrange introduction for the Chief Superintendent: Wendell Reimer, District Officer, Eastern Alberta District, RCMP "K" Division to meet the County's new Chief Administrative Officer: Gene Sobolewski, on a date to be determined.

Sargent Tina Chan, Smoky Lake RCMP Detachment's entered Council Chambers, time 11:30 a.m.

Evergreen Regional Waste Management Services Commission – Minutes

1212-20: Lukinuk That the agenda package received by Smoky Lake County from Evergreen Regional Waste Management Services Commission's Regular Meeting held on September 16, 2020 at the County of St. Paul No. 19's office, be filed for information.

Carried.

6. Correspondence:

Solid Waste Association of North America (SWANA) Northern Lights Chapter

1213-20: Cherniwchan That the correspondence received by Smoky Lake County from the Solid Waste Association of North America (SWANA) Northern Lights Chapter (NLC), dated September 17, 2020 announcing the cancellation of the 26th Annual SWANA NLC Conference, which was to be held on November 26, 2020, in Banff, Alberta, be filed for information.

Carried.

7. Delegation:

No Delegation.

8. Executive Session:

No Executive Session.

Next Meeting

1214-20: Gawalko That the next Smoky Lake County **Environmental Operations Meeting** be scheduled for **Tuesday, December 8, 2020 at 9:00 a.m.** to be held Virtually and/or in the County Council Chambers.

Carried.

ADJOURNMENT:

1215-20: Halisky That the Smoky Lake County Environmental Operations Meeting of October 14, 2020 be adjourned, time 11:32 a.m.

Carried.

CHAIRPERSON

S E A L

CHIEF ADMINISTRATIVE OFFICER



REQUEST FOR DECISION		DATE	December 8, 2020	4.1
TOPIC	Caltex Bulk Water Purchase Request.			
PROPOSAL	Recently Caltex has shown interest in the Smoky Lake County's Water Truck Fill Systems as they will be Working in the area in the near future, attached is a request to purchase Smoky Lake County Water.			
CORRELATION TO BUSINESS (STRATEGIC) PLAN				
LEGISLATIVE, BYLAW and/or POLICY IMPLICATIONS		•		
BENEFITS	• Increase in water sales			
DISADVANTAGES	• We do want to assure that the region will accommodate enough water for residence and agriculture use.			
ALTERNATIVES	•			
FINANCE/BUDGET IMPLICATIONS				
Operating Costs:		Capital Costs:		
_____		_____		
Budget Available:		Source of Funds:		
_____		_____		
Budgeted Costs:		Unbudgeted Costs:		
_____		_____		
INTERGOVERNMENTAL INVOLVEMENT/IMPLICATIONS				
COMMUNICATION STRATEGY				
Recommendation				
<p>Option 1 The Smoky Lake County agree with the proposed Caltex agreement to assure the county residents and agriculture use is prioritized for water availability.</p> <p>Option 2 Deny request from Caltex resources.</p> <p>Option 3 Councils discretion</p>				
CHIEF ADMINISTRATIVE OFFICER				



October 27, 2020

Smoky Lake County Council
4612 McDougal Drive
PO Box 310
Smokey Lake, Alberta
T0A 3C0

Attn: Mr. Dave Franchuk
Environmental Operations Manager

Re: Request to Purchase Smoky Lake County Water

Caltex Resources Ltd. ("Caltex"), would like to formally request to purchase and utilize up to 150 cubic meters per day of Smoky Lake County water pursuant to the agreed upon terms in the terms sheet attached hereto as Schedule "A".

Caltex intends to use the water as part of an enhanced oil field recovery project in the Bellis Field located within the County of Smoky Lake. The non-saline water will be used to hydrate dry polymer product and as a component in the polymer water injection solution. Caltex is submitting this letter to council for approval pursuant to discussions with the council representative Mr. Dave Franchuk.

Caltex is a private Oil and Gas producer that purchased Bernum Petroleum Ltd. in February 2020. As such Caltex has taken over operatorship of the Bellis Field and all other Bernum assets. We are a company focused on long life enhanced oil recovery projects using waterflooding and polymer flooding techniques. Caltex's current production is approximately 11,000 boe/day of which ~73% percent is from the East Bodo/Cosine polymer flood along the Alberta Saskatchewan border southeast of Provost.

Caltex gained approval on June 30th, 2020 from the AER for a Polymer Flood Project in the Bellis Field. The most recent version of the AER approval (No. 12995A) is attached hereto as Schedule "B." Caltex is working towards implementing the polymer project in the 1st half of 2021. As part of the initial polymer flood project (likely 12-18 months in duration) Caltex prefers to source water from Smoky Lake County facility.

We expect that with success of this pilot project, Caltex would add meaningfully to the economic base of the County. For instance, Caltex recently paid \$296k in property taxes to Smoky Lake, given success on this project we would expect to do significant drilling and facility construction that would add meaningfully to the industrial tax base. In addition to this, as a reference our existing polymer flood that is SE of Provost, Caltex currently has 7 full time employees and contractors working solely on the property and countless other contractors that do R&M, trucking, and other contract services on the property. Whereas, we currently have zero full-time equivalent employees working on the

Bellis Field because it is shut-in, and even when it was producing pre-Covid induced price crash, we only had 1 full-time contractor and zero employees.

From discussions with Dave Franchuk, Caltex understands that the water supplied by the Smoky Lake County would be on a best efforts basis with priority being given to residential and agricultural requirements.

The following table stipulates a range of water usage volumes per license as this is what is required by the AER of Caltex. The summation of the volume ranges given are greater than the 150m³/d being requested to facilitate other water users and provide flexibility for Caltex to draw from various locations based upon water availability. On any given day Caltex's water use shall not exceed 150m³/day in total from all locations.

Licence #	Licence Location	Licence Location	Caltex Usage (m ³ /d)
196094	Smoky Lake Truckfill	SW 22-59-17W4	0 - 60
198746	Waskatenau Truckfill	SE 16-59-19W4	0 - 60
	Warspite Water Works or Bellis Truckfill	NW 10-59-18W4 or W/2 35-59-15W4	0 - 120

Caltex hereby requests that the Smoky Lake Council confirm their consent and agreement to the purchase and use of 150m³/day of Smoky Lake County water pursuant to the terms outlined in Schedule "A" attached hereto.

If the County of Smoky Lake has any further question or concerns that can be addressed by Caltex please feel free to contact the undersigned. Caltex looks forward to constructively working with the County of Smoky Lake and its members.

Regards,

Stan LaBrash
Exploitation & Engineering Manager
Caltex Resources Ltd.
slabrash@caltexresources.com
403-969-8853



Agreed to this ____ day of _____ 2020.

Signed on behalf of Smoky Lake County Council

Name and Title

Schedule "A"
Request to Purchase Smoky Lake County Water

Terms of Water Purchase

- County of Smoky will use best efforts to provide up to 150 m³/day of non-saline water to Caltex for its initial polymer flood project in Bellis
- Caltex will not utilize more than 150m³/day per day in summation from the tabularized sources below
- Caltex will not utilize greater than the daily tabularized volume from any one source
- Caltex will make best efforts to prioritize the use of raw water wells
- Caltex will pay the County posted rates for each of the sources
- Caltex will pay \$2.69/m³ for raw water from Smoky Lake Truckfill or Waskatneau Truckfill
- Caltex will pay \$7.50/m³ for potable water from the Warspite Water Works or Bellis Truckfill
- Smoky Lake Council approval and above terms only valid until December 31, 2022
- Water Purchase Agreement shall be assignable by Caltex

Licence #	Licence Location	Licence Location	Caltex Usage (m³/d)
196094	Smoky Lake Truckfill	SW 22-59-17W4	0 - 60
198746	Waskatenau Truckfill	SE 16-59-19W4	0 - 60
	Warspite Water Works or Bellis Truckfill	NW 10-59-18W4 or W/2 35-59-15W4	0 - 120

Schedule "B"
Request to Purchase Smoky Lake County Water

AER approval (No. 12995A)



ENHANCED OIL RECOVERY Approval No. 12995A

MADE at the City of Calgary, in the
Province of Alberta, on
27th day of August 2020.

ALBERTA ENERGY REGULATOR

The Alberta Energy Regulator (AER) pursuant to the Oil and Gas Conservation Act, chapter O-6 of the Revised Statutes of Alberta, 2000, orders as follows:

- 1) The scheme of Caltex Resources Ltd. for enhanced recovery of oil by water and polymer injection in that part of the Bellis Upper Mannville N2N Pool outlined in Appendix A¹ of the approval, as described in
 - a) Application No. 1928938,
 - b) Application No. 1929415,

is approved, subject to the terms and conditions herein contained.

- 2) For the purpose of this approval the polymer concentration in a mixture with produced water shall not exceed 5000 ppm.
- 3) Water and/or polymer may be injected into the subject pool through the well(s) with the following unique identifier(s):
 - a) Previously approved injection wells:

Class II

00/16-35-058-17W4/0 {9300}

Injection shall commence in the well(s) referred to in clause 3, subclause a by June 30, 2021. The AER may grant an extension request on the stated deadline upon submission of a satisfactory reason for this timeline not being met. The AER reserves the right to rescind this scheme or well approval without prior notice to the approval holder.

- b) New injection wells¹:

Class II

00/14-36-058-17W4/3 {9300}

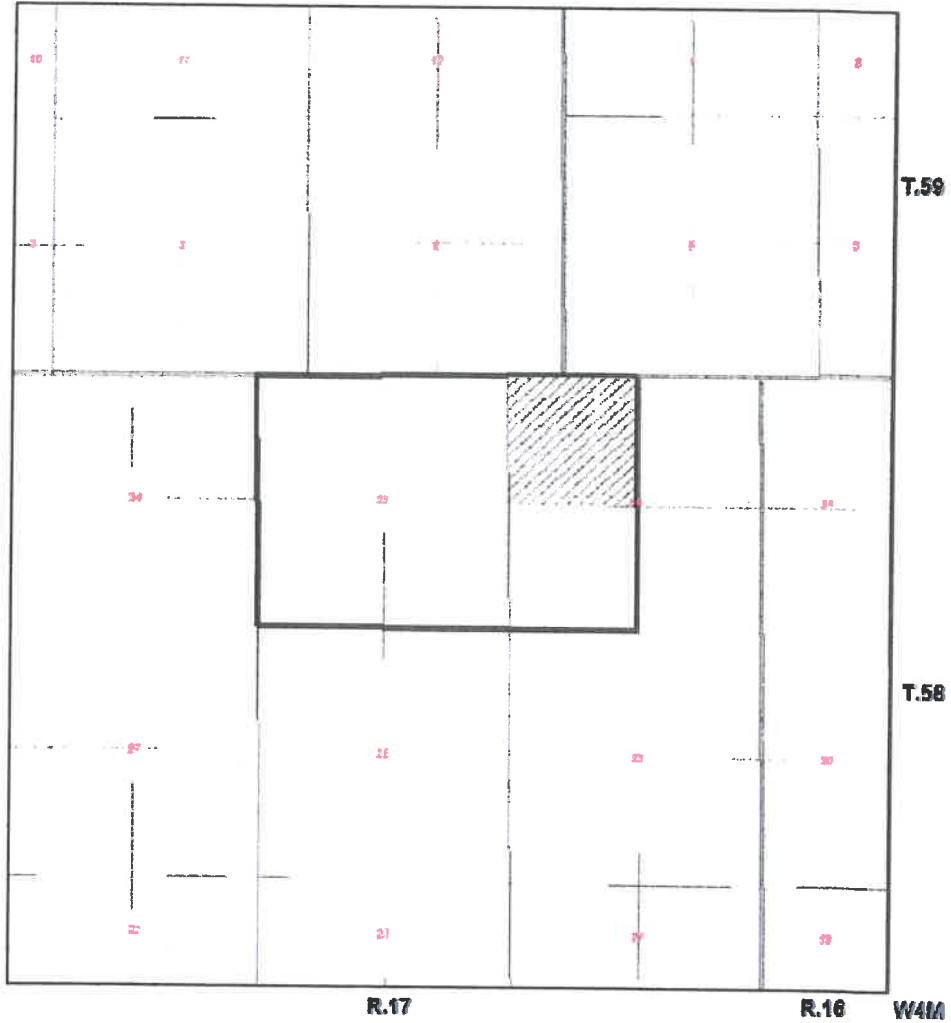
Injection shall commence in the well(s) referred to in clause 3, subclause b within twelve months of the date of this approval. The AER may grant an extension request on the stated deadline upon submission of a satisfactory reason for this timeline not being met. The AER reserves the right to rescind this scheme or well approval without prior notice to the approval holder.

The class of injection fluid is described in *Directive 051*.

Bracketed value denotes the maximum wellhead injection pressure {kilopascals gauge} for the specified well.

- 4) The injection of water and/or polymer may commence in the well(s) referred to in clause 3 once the AER has confirmed in writing that *Directive 051* requirements have been met.
- 5) The water and/or polymer injected to that part of the subject pool outlined in Appendix A
 - a) must not exceed a voidage replacement ratio of 1.0 on the basis of cumulative production and injection volumes following the commencement of production, and
 - b) must maintain a minimum monthly voidage replacement ratio of 0.7 on a twelve month moving average basis.
- 6) The approval holder shall initiate and continue a monitoring program which includes the sampling of produced water to determine polymer breakthrough.
- 7) Approval No. 12995A rescinds Approval No. 12995.

END OF DOCUMENT




**BELLIS UPPER MANNVILLE N2N POOL
APPENDIX A TO APPROVAL NO. 12995A**

The AER does not warrant the accuracy or completeness of the information contained in this map and is not responsible for any errors or omissions in its content and accepts no liability for the use of this information.

Base Data Provided by Spatial Data Warehouse Ltd. 2010

Area(s) of Change

 Added

 Deleted



WATER & WASTEWATER PLAN
(W&W) INFRASTRUCTURE

5.1

Goal	Progress Update	Current Completi...
<p>Water Activity: 100%</p>	<p>Dave Franchuk:</p> <p>Achievements: Reporting period from October 6th to December 1st.</p> <p>Oct 6 Repair soft spot at Warspite water station.</p> <p>Oct 9 Repair shelves at warspire water facility.</p> <p>Oct 13 Repair receipt printer at Spedden truck fill.</p> <p>Oct 19 Meet with Carol regarding GIS and adding water infrastructure.</p> <p>Oct 20 Input hydrant and CAV's into GIS system.</p> <p>Oct 22 Winterize Bellis truck fill, change drain lines and apply heat tape.</p> <p>Oct 26 Read water meters at Warspite. Check into Vilna low chlorine issues.</p> <p>Oct 27 Waskatenau truck fill was run into, troubleshoot and order parts.</p> <p>Nov 2 Service and inspect back up generator at Warspite water system.</p> <p>Nov 3 Repair Waskatenau Truck fill replace PVC piping and truck fill spout.</p> <p>Nov 4 Build ice shield to protect keypad area at Spedden truckfill from falling ice.</p> <p>Nov 5 Chlorine shock Smoky Lake truck fill well.</p> <p>Nov 11 On call, shut off CC at Warspite.</p> <p>Nov 12 Tend to unpaid water bills at Warspite.</p> <p>Nov 17 Electrical repairs completed on Spedden distribution pump system.</p> <p>Nov 19 Snow removal at all water sites.</p> <p>Nov 20 Update Emergency Response plans for Truck fills.</p> <p>Nov 24 Update Warspite water plant procedures.</p> <p>Nov 27 Repairs to piping at Waskatenau truck fill, loosing prime.</p> <p>Challenges: During this past reporting period, only challenges were to maintaining truckfill surfaces due to overfilling and ice forming.</p> <p>Next Steps: Routine checks and maintenance to be completed 2020/12/01</p>	<p>97% 97 / 100%</p>

Waste Water: 100%

Dave Franchuk:

Achievements: Reporting period from October 6th to December 1st.

Oct 6 Repair soft spots on Warspite lagoon road with skid steer.

Oct 19 Flush sewer lines at Warspite.

Oct 23 Troubleshoot plugged sewer issue at Warspite resident, was not county's portion of line.

Nov 1 Lift and clean debris from lift station pumps.

Challenges: We still seem to be getting, more hand sanitizer towels caught in the sewage lift station traps and pumps, we will be posting another add on social media.

Next Steps: Routine monitoring to alarm systems and continue ongoing maintenance.

2020/12/01

Waste Management: 100%

Dave Franchuk:

Achievements: Reporting period from October 6th to December 1st.

Oct 6 Wash and service skid steer.

Oct 8 Chase moose out of Smoky Lake landfill and repair fence.

Oct 15 Installing Transfer station winter hour signs.

Oct 16 Transfer station operators meeting at St. Paul.

Oct 19 Clean bin site at Spedden, garbage on ground next to bins.

Oct 27 Order metal lids for Waskatenau transfer station.

Oct 28 Arrange for recycled tire pick up at full sites.

Nov 3 Cleaning oil recycling areas.

Nov 6 Pick up garbage and discarded furniture in front of gates at Smoky Lake .

Nov 10 Repair to furnace vent at the Spedden Transfer station.

Nov 16 Clean up Mons Lake bin site, loose garbage on the ground.

Nov 19 Pick up discarded furniture in ditch north of Spedden.

Nov 24 Break in at Smoky Lake transfer station shack, a report was completed with the RCMP.

Dec 1 Replace bin lids at Victoria camp site bins, went missing.

Challenges: We did have more waste and discarded furniture in the ditches by the Transfer stations during this reporting period and 4 calls regarding the winter hours.

Next Steps: Continue on working to keep the sites tidy. Recycled tire pick up should be completed within the next couple months.

2020/12/01

91%
91 / 100%
6% behind

90%
90 / 100%
7% behind

Regional Water: 100%

Dave Franchuk:

Achievements: Reporting period from October 6th to December 1st.

- Oct 8 Thompson repaired line break near RR 164. and troubleshoot Edward booster station pump.
- Oct 9 Had Nova Mechanical remove Edward booster pump.
- Oct 20 Input CAV locations into GIS.
- Oct 22 Update contact list for Regional waterline.
- Oct 26 Operate valve and monitor flows for filling Whitefish Lake reservoir.
- Oct 27 Operate valves and witness Thompsons pressure test on RR 164 leak. Pump out blow off at RR135.
- Nov 2 Work on operating procedures for Whitefish Lake reservoir.
- Nov 5 Topping up reservoirs preparing for Whitefish lake reservoir filling.
- Nov 6 Operating valve and monitoring flow to Whitefish lake reservoir.
- Nov 9 Operating valve and monitoring flows and working on ERP for Whitefish Lake reservoir.
- Nov 11 On site to reset flows for Whitefish Lake reservoir and continue working on ERP.
- Nov 12 Complete PCL online safety orientation.
- Nov 13 Whitefish Lake reservoir training on Chlorine analyzer and chemical pump system.
- Nov 18 Check on water usage to assure no loss. and create log sheet to keep track of usage.
- Nov 24 Meet up with Westcantal tower to give access into commission buildings
- Nov 30 Give Westcantal access into regional buildings.

Challenges: *No value*

Next Steps: Prepare for regular flow of water going to Whitefish Lake.

2020/12/01

90%
90 / 100%
7% behind

Administrative Activity (W&W): 100%

Dave Franchuk:

Achievements: Reporting period from October 6th to December 1st.

- Oct 6 Work on Environmental Operations utility agenda
- Oct 7 Environmental Operations capital and operational meeting with finance department.
- Oct 13 Reviewing proposed budget items.
- Oct 14 Environmental Operations utility meeting.
- Oct 14 Working on Action list items.
- Oct 16 PMT meeting review change orders regarding Whitefish Lake reservoir.
- Oct 21 Joint Health and Safety meeting.
- Oct 21 Evergreen Regional Waste Services meeting.
- Oct 26 Report vandalism at the Warspite water facility to the RCMP.
- Oct 27 Main office staff meeting.
- Oct 28 Hwy 28/63 Regional Waterline Services meeting.
- Oct 28 Whitefish Lake commissioning plan review meeting.
- Oct 28 Whitefish Lake progress meeting.
- Nov 5 Meet with Caltex regarding bulk water purchase.
- Nov 6 Whitefish Lake commissioning plan follow up meeting.
- Nov 13 Whitefish Lake PMT meeting
- Nov 19 Joint Health and Safety meeting.
- Oct 22 Meet with MPE at all water and waste site inspections.
- Nov 25 Evergreen Regional Waste Services Meeting.
- Nov 25 Whitefish Lake commissioning meeting.
- Nov 25 Whitefish Lake progress meeting.

Challenges: *No value*

Next Steps: *No value*

2020/12/01

91%
91 / 100%
6% behind

Training Activity (W&W): 100%

Dave Franchuk:

Achievements: Reporting period from October 6th to December 1st

Nov 24 Online course Water Supervision Principles (Lorne)

Nov 25 Online course Water Supervision Principles (Lorne)

Dec 1 Water Management and Development (Lorne)

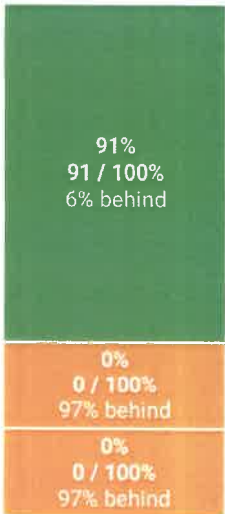
Challenges: *No value*

Next Steps: *No value*

2020/12/01

Update Plan/Budget for Truckfills: 100%

Council Member Inquiry: 100%



5.2

**EVERGREEN REGIONAL WASTE
MANAGEMENT SERVICES COMMISSION MEETING**

Wednesday, October 21, 2020
County of St. Paul Office
10:00 a.m.

AGENDA

1. Call to Order
 - a. Additions to the Agenda
2. Minutes of September 16, 2020 Regular Meeting
3. Business Arising from Minutes
 - a. Zero Tolerance Policy- Signs
 - b. Surveying of Landfill
 - c. New GIC
 - d.
 - e.
4. Closed Meeting Session
5. Treasurer's Report
6. New Business
 - a. Regional Site Report
 - b. Mixed Load Concerns
 - c. Cardboard Recycling
 - d. Price on clay
 - e.
 - f.
 - g.
7. Other Business/Correspondence
 - a.
 - b.
 - c.
8. Next Meeting
9. Adjournment

**EVERGREEN REGIONAL WASTE
MANAGEMENT SERVICES COMMISSION**

**Minutes of Regular Meeting
County of St. Paul Office
Wednesday, September 16, 2020**

Members Present:

**Steve Upham- Chairman, Nathan Taylor Debra McQuinn, Dan Kotylak,
Randy Orichowski, Leo Chapdelaine, Richard Warren**

Alternates Present:

Maxine Fodness, Hank Holowaychuk, Ron Boisvert, Terri Hampson

Paul Poulin- Manager Evergreen Landfill

Ashley Cozzens- Recording Secretary

Dave Franchuk- Smoky Lake County

Sheila Kitz- County of St. Paul

Tim Mahdiuk- County of St. Paul

Kim Heyman- Town of St. Paul

1. CALL TO ORDER

Steve Upham called the meeting to order at 10:11 a.m.

a. Additions to Agenda

6.f. Fogdog Energy

Randy Orichowski made a motion to accept the agenda with the addition.

CARRIED

2. MINUTES OF AUGUST 12, 2020 REGULAR MEETING

Debra McQuinn made a motion to adopt the minutes of the August 12, 2020 Regular Meeting as presented.

CARRIED

3. **BUSINESS ARISING FROM MINUTES**

a. **AB Care Conference**

Discussion from the AB Care Conference:

- Techno Trash Mattress Recycling- Taber Alberta
- Southern Alberta Energy from Waste Association
- Wind Energy
- Bio Gas
- Recycling Program Underway
- Swan Hills Class 1 Disposal Site closing
- Clean Farms
- Leachate Regulatory framework and updates to waste management

Randy Orichowski made a motion to file the AB Care Conference discussion as information.

CARRIED

b. **Smoky Lake County Transfer Station Inspection Reports**

Paul Poulin and Dave Franchuk did transfer station inspections in the Smoky Lake County:

1. Electronics: common issues were the lack of cages for the new e-waste pilot project; bulk tv's hard to handle
2. Used Oil- containment and lack of timely collection
3. Paint/ HH- secondary containment is needed

Will be looking into fixing these issues.

Leo Chapdelaine made a motion to file the Smoky Lake County transfer station inspection reports discussion as information.

CARRIED

c. **Electronics Pilot Project**

Paul had a conference call with Quantum Life Recycling regarding the new pilot project for electronics:

1. They would like to know how many cages we need per transfer station
2. They will be trying to get away from sea cans and use only cages as they are easier to handle

Evergreen Regional Waste Management Services Commission
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3. They don't need the new pilot project e-waste items sorted in their specific categories; they are willing to accept the cages mixed for now
4. They talked about investing in their own truck to collect e-waste from sites

Nathan Taylor made a motion to file the electronics pilot project discussion as information.

CARRIED

4. **CLOSED MEETING SESSION**

Debra McQuinn made a motion to go into closed meeting session for legal and personnel at 11:07 a.m.

CARRIED

Randy Orichowski made a motion to return to the regular meeting at 11:48 a.m.

CARRIED

Debra McQuinn made a motion to hire a temporary full time employee until such time as Mike Gill comes back.

CARRIED

Nathan Taylor made a motion that the Manger of the Evergreen Regional Waste Management Services Commission (ERWMSC); or their designate, have the right to refuse service or access to any person who, in the opinion of the Manager of ERWMWC or designate, is posing a risk to satisfy, failing to follow directions, or causing harassment to staff or users.

CARRIED

Debra McQuinn made a motion to purchase signs to be put up at each of the transfer stations in the Evergreen Regional Waste Management Services Commission regarding the right to refuse service or access to customers that is posing a risk to satisfy, failing to follow directions, or causing harassment to staff or users.

CARRIED

5. **TREASURERS REPORT**

Ashley Cozzens presented the Treasurer's Report to August 31, 2020.

Richard Warren made a motion to accept the treasurer's report as presented.

CARRIED

6. **NEW BUSINESS**

a. **Regional Site Report**

Paul Poulin presented the regional site report:

- Metal crushers coming to the Evergreen Site today
- Freon in the fridges, freezers & water coolers is being removed. Propane tanks are being processed as well
- Wind fences have been moved to the new inert cell 8

Debra McQuinn made a motion to accept the Regional Site Report as information.

CARRIED

b. **Business Plan**

Our current business plan is coming up for review in 2021. This is just a reminder that we will have to look it over in the coming year.

Randy Orichowski made a motion to bring forward the review of our business plan later this year.

CARRIED

c. **Acuvec Geospatial**

Received a call from Acuvec Geospatial; they provided us with a proposal to conduct an aerial survey of our landfill

There was a discussion to check with Omni McCann Geoscience to see if they would accept an aerial landfill survey (to be a part of our annual reports) that was done from another company as Omni McCann does all our landfill surveys.

Nathan Taylor made a motion to file the Acuvec Geospatial discussion as information.

CARRIED

d. Wood recycling

Paul received a call from Toso Bozic from ATTS Group regarding Business Opportunities for Waste to Energy. ATTS Group specializes in providing feasibility studies, develop waste to energy strategies, grant application services and business plan developments.

Debra McQuinn made a motion to file the wood recycling discussion as information.

CARRIED

e. Meeting date with new Omni McCann staff

Kristina Small of Omni McCann Geoscience would like to have an opportunity to meet the Commission Board Members at one of our scheduled board meetings.

Richard Warren made a motion to table till a date can be arranged with Kristina Small.

CARRIED

f. Fogdog Energy

Fogdog Energy would like to present at one of our board meetings. They have a machine that converts MSW to a composition that is dehydrated (no leachate) to fluff. The Town of Sylvan Lake has one of their units that should be operational by December 2020.

Randy Orichowski made a motion to file the Fogdog Energy discussion as information.

CARRIED

7. **OTHER BUSINESS/CORRESPONDENCE**

a. **Business Mixer**

We received an invitation to a business mixer, held today (September 16) at the St. Paul golf course from Tribal Chiefs Employment and Training Association. This business mixer is to help garner potential partnerships for First Nation owned businesses.

Randy Orichowski made a motion for a few members of the Commission to attend the business mixer.

CARRIED

8. **NEXT MEETING**

Next meeting is to be scheduled for Wednesday, October 21, 2020 at 10:00 a.m. at the County of St. Paul Office.

9. **ADJOURNMENT**

Steve Upham adjourned the meeting at 12:21 p.m.

Date

Commission Chairman

5.3

**EVERGREEN REGIONAL WASTE
MANAGEMENT SERVICES COMMISSION
ORGANIZATIONAL MEETING**

Wednesday, November 25, 2020
County of St. Paul Office
10:00 a.m.

AGENDA

1. Call to Order and Introduction
2. Appointment of Chairman
3. Appointment of Vice-Chair
4. Appointments - Signing Authority
5. Appointment of Auditor
6. Appointment of Legal Advisor
7. Adjournment

**EVERGREEN REGIONAL WASTE
MANAGEMENT SERVICES COMMISSION MEETING**

Wednesday, November 25, 2020

County of St. Paul Office

10:00 a.m.

AGENDA

1. Call to Order
 - a. Additions to the Agenda
2. Minutes of October 21, 2020 Regular Meeting
3. Business Arising from Minutes
 - a. Zero Tolerance Policy- Signs
 - b. Cardboard Recycling
 - c.
 - d.
 - e.
4. Closed Meeting Session
5. Treasurer's Report
6. New Business
 - a. Regional Site Report
 - b. 2021 Budget
 - c. Resurface RR 104
 - d. Saddle Lake
 - e.
 - f.
 - g.
7. Other Business/Correspondence
 - a. Letter from Alberta Recycling
 - b.
 - c.
8. Next Meeting
9. Adjournment

**EVERGREEN REGIONAL WASTE
MANAGEMENT SERVICES COMMISSION**

Minutes of Regular Meeting

**County of St. Paul Office
Wednesday, October 21, 2020
10:00 a.m.**

Members Present:

Steve Upham- Chairman
Nathan Taylor
Debra McQuinn
Randy Orichowski

Members Present Virtually:

Dan Kotylak
Leo Chapdelaine
Richard Warren

Alternates Present:

Maxine Fodness
Ron Boisvert

Alternates Present Virtually:

Hank Holowaychuk
Dan Gawalko

Paul Poulin- Manager Evergreen Landfill
Ashley Cozzens- Recording Secretary
Dave Franchuk- Smoky Lake County
Sheila Kitz- County of St. Paul
Tim Mahdiuk- County of St. Paul
Kim Heyman- Town of St. Paul- Virtually

1. CALL TO ORDER

Steve Upham called the meeting to order at 10:08 a.m.

a. Additions to Agenda

Move 6.b. Mixed Load Concerns to 4. Closed Meeting Session

Dan Kotylak made a motion to accept the agenda with the change.

CARRIED

2. MINUTES OF SEPTEMBER 16, 2020 REGULAR MEETING

Randy Orichowski made a motion to adopt the minutes of the September 16, 2020 Regular Meeting with the changes.

CARRIED

3. BUSINESS ARISING FROM MINUTES

a. Zero Tolerance Policy- Signs

A copy of what the zero tolerance policy signs would look like was presented to the board members.

Debra McQuinn made a motion to bring back prices for the purchase of zero tolerance policy signs at each of the transfer stations in the Commission.

CARRIED

b. Surveying of Landfill

We need to have a conversation with Omni McCann Geoscience with regards to the years of available air space remaining in our cells.

The process of surveying the remaining air space may be like the baling and sampling of the monitoring wells on the Evergreen Site; as it states in our approval only the Consulting Firm (Omni McCann) can do the baling and sampling on the Evergreen Site so it will be the same for the air space survey.

We need more information before any consideration is done.

Nathan Taylor made a motion to file the surveying of landfill discussion as information.

CARRIED

c. New GIC

On September 22, 2020 GIC # 37 matured.

Part of this GIC has to go towards the new loader that we purchased last year.

The total that we have to reinvest from this GIC less the loader payment is \$298,106.40

Interest rates for reinvesting this GIC were presented.

Debra McQuinn made a motion to bring the GIC discussion back to a future meeting.

CARRIED

4. CLOSED MEETING SESSION

Randy Orichowski made a motion to go into closed meeting session for legal and personnel at 10:27 a.m.

CARRIED

Debra McQuinn made a motion to return to the regular meeting at 11:02 a.m.

CARRIED

5. TREASURERS REPORT

Ashley Cozzens presented the Treasurer's Report to September 30, 2020.

Nathan Taylor made a motion to accept the treasurer's report as presented.

CARRIED

6. NEW BUSINESS

a. Regional Site Report

Paul Poulin presented the regional site report:

- Richmond Steel has completed the baling of our metal at the Evergreen Site. 4 loads, 87.73/ MT @ \$35/MT; \$3,070
- Working to resurface inert cells 3, 4, 5 with new clay cover.
- Our first pickup of the new e-waste pilot project took place, 8 cages were sent off.

Randy Orichowski made a motion to accept the Regional Site Report as information.

CARRIED

b. Cardboard Recycling

We won't be accepting any more cardboard at the landfill from the Town of St. Paul as the market for cardboard has gotten better.

We should look into storage for cardboard and to follow the market closely as the price for baled cardboard at Cascade Papers was at \$80/MT. We think it would be worth the time to put a plan together to store the cardboard as needed, watch the market and ship at peak value.

Dan Kotylak made a motion to accept the cardboard recycling discussion as information.

CARRIED

c. Price on clay

Orphan Well Association has a remediation project near Hoselaw, AB and part of this project was to know if we have a clean back fill source.

Would the Commission board consider the possibility of sell clay as clean back fill, and what price would be considered?

Nathan Taylor made a motion to charge \$6 per yard for clean fill clay.

CARRIED

7. OTHER BUSINESS/CORRESPONDENCE

No other business/correspondence

8. NEXT MEETING

Next meeting is to be scheduled for Wednesday, November 25, 2020 at 10:00 a.m. at the County of St. Paul Office.

9. ADJOURNMENT

Steve Upham adjourned the meeting at 11:36 a.m.

Date

Commission Chairman

Alberta CARE Conference Pincher Creek

Takeaways

Approx. 78 attended the conference from across the province.

Techno Trash Mattress Recycling- Taber Alberta

A sea-can from Bonnyville was on site at the time of the site visit. Approx. 90 or 100 mattresses are in one sea-can. The cost of recycling is \$10.00 per mattress unit, the cost to bring the sea-can from Bonnyville, using their own truck was \$1.20/running km, 600km one way = \$720.00 x 2 = \$1440.00 transport cost, plus approx. \$1000.00 cost to recycle mattresses = \$25.00/ mattress

Southern Alberta Energy from Waste Association

Brooks Alberta is the site selected for the SAEWA

Shovel in the ground to operation will be 2-21/2 years, estimate 2023

Location offers rail service, steam from the very large packing plant located nearby that can be utilized at SAEWA through piping system also two large road ways, Trans Canada HI way 1, and HI way 36.

Wind Energy

Lots of startup cost per Wind turbine

1 wind turbine cost from \$3-\$5 million each

Average life of a wind turbine is 30 years.

Generally there are 10 wind turbines per wind farm

Average annual revenue to a local land owner with wind turbine on his land is \$4000.00/ wind turbine unit, wind turbine; revenue will vary with the 3 possible types of wind turbines being used.

One of the cons of the wind turbine in certain areas is that if they are located in the migration paths of bats, it does kill them, not by the bats hitting the mills as much but rather the air pressure created from the mills in operation. It is said that it ruptures the blood vessels in the bats.

Fossil fuels are still required to properly operate these large wind turbines as oil is used to lube the very expansive bearing, as much as 400Lt of oil per unit, self-greasing components (lots of grease)

The output of the wind turbine will vary from the 3 types of units that we have seen in the Pincher Creek area.

A wind turbine farm (10) unit will take up approx. 5 acres of a land owner's available land.

Bio Gas

A Locale potatoes farmer in the Taber Alberta area has a smaller Bio Digester setup on his farm. This unit was setup to deal with the large volume of potato waste generated. As this project continued to grow, a lot more waste was needed to make the digester work to its fullest capacity. He started to source the by-product from locale hog operations, dairy farms and even feedlots to have the balances required to reach optimum volumes of energy.

This is not cheap. His farm and the Bio-digester setup cost are at the \$7.2 million. His goal is to sell his energy on the grid, however the service cost are to be covered by his operations. Lots of planning,

studies must be done to take on a large scale operation like this one. The potato operation is a very sustainable operation.

Recycling Program Underway

A cage requirement count is needed from the municipalities.

2 claims or programs for the e-waste recycling, the original which is with the TV's, computers and monitors, laptops, and now the new list of e-waste items with approx. 500 new items.

The new list or the new pilot program items do not have to be sorted at this point, they would like to see as much volume as possible come through the system so they can identify any deficiencies, make the corrections so the municipalities can be comfortable with this pilot program.

A cage of microwaves weighs approx. 180kg

A cage of mixed, smaller pilot program e-waste items weighs approx. 280kg

The pilot program pays \$155/MT, so 4 or 5 cages of new e-waste items should add up to approx. 1MT.

Swan Hills Class 1 Disposal Site is closing

Swan Hills Class 1 Disposal site for the hazardous waste is said to be closing down.

The province is doing work behind the scene to see what options are available for the hazardous waste collected at our transfer stations, landfills and the recyclers that collect and transport this waste such as DBS Lethbridge. At this point, it will be business as usual till the fiscal year end of March 2021.

What will take place next remains unsure at this point? If I hear more, I will notify the commission board at our meeting.

Clean Farm

Clean farm do our pesticide, herbicide jug recycling.

The large plastic drums should no longer be accepted at our transfer station sites. Any customer wanting to dispose of these small drums should be directed to contact clean farm directly, or to go to their website to see how to deal with these drums.

The issues with these small drums are that the user can not properly triple rinsing these drums to make it acceptable for the recyclers.

Is there a possibility that we could set up a rinse station on the evergreen site or at a suitable transfer station site to do this as revenue stream?

Leachate Regulatory Framework and Updates to Waste Management

AEP representative James Jorgensen spoke on the possible options to leachate management based on what your approval allows you to do with this form of waste. Pretreat on site, storage ponds, evaporators, above ground storage tanks, secondary containment, run on run off systems and how all of these options will translate in your approval/registration/code of practice. It is important to know the frequencies of reading your leachate levels, how to identify a leachate break out and to know how to deal with a break out, when to report to AEP on situation that can affect the environment.

Our upcoming Waste to Energy Virtual Workshop is just two weeks away. Don't forget to register, you won't want to miss out on this.

Featuring: Saskatchewan Technology Panel



Peter Voldeng - VDQ-NRG Systems

Peter Voldeng is an innovative engineer with an extensive background in business and industry. He thrives on developing design concepts, growth strategies, engineering processes and development, and has a strong engineering understanding of industrial, commercial, and municipal infrastructure systems.

Peter is the Founder and President of VDQ-NRG Systems. VDQ-NRG is an innovative clean technology company, repurposing landfill waste into alternative energy sources and valuable byproducts, with a focus on being environmentally sustainable and economically viable.



Jamie Bakos - Titan Carbon Smart Technologies

Jamie is the founder and President and CEO of Titan Clean Energy Projects Corporation located in Craik, Saskatchewan. Titan has developed a pyrolytic carbon capture technology that converts waste biomass into valuable products and energy with uses across many sectors.

Jamie graduated from the first accredited environmental engineering program in Canada in Guelph, Ontario in 1993. Prior to starting Titan in 2008, Jamie spent seven years as Director of Clean Technologies at a leading international engineering, procurement, and construction firm in Toronto.



Glen Smith - EcoGrowth Environmental

Glen Smith is the Vice President & Co-Founder of Eco-Growth Environmental, Glen oversees operations, business development, in-house and virtual tours. Glen is from Prince Albert and currently resides in Cochrane Alberta.

Eco-Growth Environmental Inc. was born at Executive Mat Service Calgary, a large industrial laundry. In looking at their internal waste biomass and their clients' waste biomass, they began understanding how to prep and use these feedstocks as a carbon-neutral fuel source. The company developed and manufactured the first carbon-negative cleaning centre using Refuse-Derived Biomass (RDB).

[Program and Registration Here](#)

Full Schedule:

December 3rd, 2020

10:00 a.m. Matt Hamilton, Environment Canada -- **A Federal Perspective on Thermal Treatment Technologies**

10:30 a.m. Dominique Turcotte, Chris Gray and one TBA, SK Ministry of Environment -
- **Provincial Considerations for Waste to Energy and Incineration Technologies**

11:00 a.m. Steve Jenkins, Energy & Chemicals Consulting -- **Introduction to Gasification and Pyrolysis**

12:30 p.m. Break

1:30 p.m. **SK Technology Panel**

Peter Voldeng -- VDQ-NRG Systems

Jamie Bakos -- Titan CarbonSmart Technologies

Glen Smith -- EcoGrowth Environmental

3:00 p.m. End

Cost:

- \$75 for SWRC or SWANA members
- \$125 for non-members

[Program and Registration Here](#)

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Dave Franchuk

From: Cleanfarms <info@cleanfarms.ca>
Sent: October 21, 2020 2:45 PM
To: Dave Franchuk
Subject: Six Collection Locations Added to 'Alberta Ag-plastic. Recycle It!' Grain Bag and Twine Recycling Program



Six Collection Locations Added to 'Alberta Ag-plastic. Recycle It!' Grain Bag and Twine Recycling Program
– Number of collection sites across Alberta expanded to 26 –

Lethbridge, AB (October 21, 2020) – As of early October, six new locations came onboard as collection sites that are open and ready to accept empty agricultural grain bags and used twine for recycling. This increases the total number of collection locations in the '**Alberta Ag-plastic. Recycle It!**' pilot program from 20 to 26.

The six new sites include:

- Clear Hills County at the Cleardale Transfer Station
- County of Forty Mile No. 8 at the Foremost Transfer Station
- County of Minburn at the Mannville Waste Transfer Station
- Cypress County at the Hilda Transfer Station
- Flagstaff County at the Flagstaff Waste Regional Landfill
- MD of Provost at the Provost Regional Landfill



The list of existing collection sites can be found on the Cleanfarms website on the '**Alberta Ag-plastic. Recycle It!**' [pilot program page](#). Most existing sites are currently taking rolled, tied grain bags of any size, and twine for recycling. Some, however, just take grain bags and a few take only twine.

“The pilot is on track with plans to expand access to grain bag and twine recycling collection sites. Ensuring Alberta farmers have every opportunity to recycle these plastic ag materials is imperative,” said Cleanfarms’ Executive Director Barry Friesen. “The plastics used in these agricultural tools are valuable resources and should be recovered and recycled in a circular economy.”

Cleanfarms operates the ‘**Alberta Ag-plastic. Recycle It!**’ pilot on behalf of the Agricultural Plastics Recycling Group (APRG) and started collection in October 2019. The project is being funded through a grant from the Government of Alberta and administered by Alberta Beef Producers.

Lisa Sulz sees this recycling program as a win-win for everyone. She is the agricultural fieldman for Cypress County which surrounds Medicine Hat.

“If we can keep these plastics out of the environment and recycle them, then why not. The more we can keep out of landfill and the environment, the better. Grain bags are bulky and take up a lot of room in landfill cells, and cells are expensive to build,” she said. “There is no question that county rate payers benefit from this agricultural recycling program.”

Stacey Barrows, who with her husband, Brent, farms 4,300 acres in the County of Forty Mile, in the southeast corner of Alberta, said farmers always want to be good stewards of their land.

“If we want our families to be able to stay on the farm, we need to think about the environment as a whole -- the land, water, and air. We all need to recycle not only to keep our farms healthy, but also to teach younger generations to be stewards of the land, too,” Stacey emphasized.

#

About Cleanfarms

Cleanfarms is a non-profit industry stewardship organization committed to environmental responsibility through the proper management of agricultural plastic packaging and product waste. Recycled agricultural plastics are made into new products such as farm drainage tile, flexible irrigation pipe and plastic bags.

Cleanfarms.ca

About the Agricultural Plastics Recycling Group

The APRG is a group made up of over 20 stakeholder organizations from sectors across Alberta representing municipalities, producers, non-profits, recyclers and retailers among others. For a full list of members and more details please visit

www.aprg.ca

Media Contacts:

Barbara McConnell
Cleanfarms, 416-452-2373

bmccconnell@cleanfarms.ca

Tammy Schwass
APRG, 403-835-6467
tammy@albertaplasticsrecycling.com



The pilot project is led by the multi-stakeholder Agricultural Plastics Recycling Group; funds were granted by the Government of Alberta and are administered by Alberta Beef Producers.

Cleanfarms | Lethbridge, AB, Moose Jaw, SK, Etobicoke, ON, Saint-Bruno,, QC M9B 6H7 Canada

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