



Village of Marwayne

Agenda

Regular Village Council Meeting
Monday, June 8, 2020 @ 7:00 PM
Zoom Video Conferencing

	Page
1 CALL TO ORDER	
2 ADOPTION OF AGENDA	
2.1 June 8th, 2020 Regular Village Council Meeting Agenda	
Be it resolved that the June 8th, 2020 Regular Village Council Meeting Agenda be approved as presented.	
3 ADOPTION OF MINUTES	
3.1 May 25th, 2020 Regular Village Council Meeting Minutes	4 - 7
Be it resolved that the May 25th, 2020 Regular Village Council Meeting Minutes be approved as presented.	
4 PUBLIC HEARING	
4.1 June 22nd, 2020 Municipal Development Plan (MDP) and Land Use Bylaw (LUB) Amendments	8
Be it resolved that the Village of Marwayne schedule a public hearing for Bylaw 579-20, being the Village's Municipal Development Plan on June 22nd, 2020 at 7:00 p.m. and a public hearing for Bylaw 578-20, being amendments to the Village's Land Use Bylaw on June 22nd, 2020 at 7:15 p.m. via Zoom Video Conferencing.	
5 KEY STRATEGY: ADDRESSING SERVICE NEEDS	
5.1 Public Works Report	9 - 17
Be it resolved that the Public Works Foreman Report be received as information.	
5.2 Regional Water Operator Report	18 - 19
Be it resolved that the Regional Water Operator Report be received as information.	
6 KEY STRATEGY: PLANNING FOR GROWTH & CHANGE	
6.1 May 27th, 2020 Letter from Conoco Phillips	20 - 62
Be it resolved that the May 27th, 2020 Letter from Conoco Phillips be	

received as information.

7	KEY STRATEGY: PURSUING OPERATIONAL & ORGANIZATIONAL EXCELLENCE	
7.1	Water Well Decommissioning	63 - 67
	Be it resolved that the Water Well Decommissioning Update be received as information.	
7.2	FCM Asset Management Grant Funding Opportunity	68 - 70
	Be it resolved that the Village of Marwayne submit an application under the FCM Asset Management Program through our consultant Infrastructure Solutions.	
8	ADMINISTRATIVE REPORTS	
8.1	Councillor Reports	71 - 73
	Be it resolved that the following Councillor Reports be received as information:	
	<ul style="list-style-type: none">• May 26th, 2020 Vermilion River Regional Waste Management Services Commission Meeting Minutes	
8.2	Chief Administrative Officer Report	74 - 83
	Be it resolved that the Chief Administrative Officer Report be received as information.	
9	FINANCIAL	
9.1	Cheque Distribution Report	84
	Be it resolved that the Cheque Distribution Report be received as information.	
9.2	May 2020 Utility Bill Report	85
	Be it resolved that the May 2020 Utility Bill Report be received as information.	
10	CORRESPONDENCE AND INFORMATION	
10.1	Municipal Governance during the COVID-19 Pandemic Frequently Asked Questions	86 - 88
	Be it resolved that the May 29th, 2020 Frequently Asked Questions document be received as information.	
10.2	Elected Officials Education Program Course Offerings	89

Be it resolve that the Elected Officials Education Program Course Offerings be received as information.

11 CONFIDENTIAL ITEMS

11.1 FOIP Section 24 (1) - Advice from Officials

90 - 91

12 NEXT MEETING

12.1 June 22nd, 2020 via Zoom Video Conferencing

13 ADJOURNMENT



Village of Marwayne
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Minutes of the Regular Meeting of the Council of the Village of Marwayne
In the Province of Alberta, held on Monday May 25th, 2020
Commencing at 7:00 PM via Zoom Video Conferencing

PRESENT

Mayor Cheryle Eikeland
Deputy Mayor Ashley Rainey
Councillors Rod McDonald, Tara Lawrence and Chris Neureuter
Chief Administrative Officer Shannon Harrower

1. CALL TO ORDER

Mayor C. Eikeland called the May 25th, 2020 Village of Marwayne Council Meeting to order at 7:16 p.m.

2. ADOPTION OF AGENDA

May 25th, 2020 Regular Council Meeting Agenda
2020-05-22

Moved By Councillor R. McDonald

Be it resolved that the May 25th, 2020 Regular Village of Marwayne Council Meeting Agenda be approved with the following additions as presented.

CARRIED

3. ADOPTION OF MINUTES

May 4th, 2020 Regular Council Meeting Minutes
2020-05-23

Moved By Councillor T. Lawrence

Be it resolved that the May 4th, 2020 Village of Marwayne Council Meeting Minutes be approved as presented.

CARRIED

4. KEY STRATEGY: ADDRESSING SERVICE NEEDS

Regional Water Operator Report
2020-05-24

Moved By Deputy Mayor A. Rainey

Be it resolved that the Regional Water Operator Report be received as information.

CARRIED

Public Works Foreman Report
2020-05-25

Moved By Councillor R. McDonald

Be it resolved that the Public Works Foreman Report be received as information.

CARRIED



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5. KEY STRATEGY: SAFE & CARING COMMUNITY

2020 AUMA Convention Attendee Survey

2020-05-26

Moved By Deputy Mayor A. Rainey

Be it resolved that the 2020 AUMA Convention Attendee Survey be received as information.

CARRIED

Declaration of Seniors Week

2020-05-27

Moved By Councillor T. Lawrence

Be it resolved that the Village of Marwayne declare June 1st to June 7th, 2020 as Seniors Week

CARRIED

Walking Trail Request for Quotations

2020-05-28

Moved By Councillor R. McDonald

Be it resolved that the Village of Marwayne engage Rusway Construction to complete Phase 1 of the Walking Trail Project.

CARRIED

6. ADMINISTRATIVE REPORTS

Councillor Reports

2020-05-29

Moved By Councillor C. Neureuter

Be it resolved that the following Councillor Reports be received as information:

- February 20th and April 28th, 2020 Vermilion River Regional Waste Management Services Commission Meeting Minutes
- May 13th, 2020 Vermilion River Regional Alliance Meeting Minutes and Terms of Reference
- Pioneer Lodge Meeting Update
- Lloydminster and District Housing Meeting Update
- Northern Lights Library System Meeting Update

CARRIED

Chief Administrative Officer Report

2020-05-30

Moved By Deputy Mayor A. Rainey

Be it resolved that the Chief Administrative Officer Report be received as information.

CARRIED



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7. FINANCE

2020 Municipal Sustainability Initiative (MSI) Funding

2020-05-31

Moved By Councillor T. Lawrence

Be it resolved that the May 19th, 2020 Letter from Municipal Affairs regarding 2020 MSI Funding be received as information.

CARRIED

Cheque Distribution Report

2020-05-32

Moved By Councillor R. McDonald

Be it resolved that the Accounts Payable Invoices being over \$5,000.00 but within budget be approved and authorized to be paid as presented. Be it further resolved that the Accounts Payable Invoices being less than \$5,000.00 but within budget be received as information.

CARRIED

April 2020 Utility Bill Report

2020-05-33

Moved By Deputy Mayor A. Rainey

Be it resolved that the April 2020 Utility Bill Report be received as information.

CARRIED

Monthly Financial Statement

2020-05-34

Moved By Councillor C. Neureuter

Be it resolved that the April 2020 Monthly Financial Statement be received as information.

CARRIED

8. CORRESPONDENCE

CN in your Community

2020-05-35

Moved By Councillor R. McDonald

Be it resolved that the CN in your Community Booklet be received as information.

CARRIED

9. CONFIDENTIAL ITEMS

2019-12-36

Moved By Deputy Mayor A. Rainey

Be it resolved that the Council of the Village of Marwayne move into a closed session under FOIP Section 24 (1) – Advice from Officials at 8:23 p.m. with all members in attendance.

FOIP Section 24 (1) – Advice from Officials – Bylaw Offence



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2019-12-37

Moved By Councillor T. Lawrence

Be it resolved that the Council for the Village of Marwayne return to a regular session at 8:40 p.m. with all members in attendance.

CARRIED

10. NEXT MEETING

June 2020 Meeting Dates via Zoom Video Conferencing

2020-05-

Moved By Councillor R. McDonald

Be it resolved that the next regular scheduled Village of Marwayne Council Meetings be held at 7:00 p.m. on Monday June 8th and Monday June 22nd, 2020 via Zoom Video Conferencing.

CARRIED

11. ADJOURNMENT

Being that the May 25th, 2020 Council Meeting agenda matters for the Village of Marwayne have concluded, the meeting adjourned at 8:40 p.m.

Approved this 8th day of June 2020.

Cheryle Eikeland, Mayor

Shannon Harrower, CAO

AGENDA ITEM #4.1

PUBLIC HEARING

Village of Marwayne Bylaw 578 – 20 and Bylaw 579 – 20



The Village of Marwayne has carried out a comprehensive review and update of the Village's Municipal Development Plan (MDP). The MDP is a statutory planning document that sets the long-term framework for land uses, growth, and development within a community, and helps guide Council decisions in the future. As a result of the proposed updates to the MDP, parts of the Land Use Bylaw (LUB) are also proposed to be updated to better align with the long-term community vision. Council will be now be proceeding with the formal adoption process for the LUB amendments through bylaw 578 – 20 and the MDP through Bylaw 579 – 20.

The Council meeting and public hearings will be held via **Zoom on Monday, June 22nd, 2020**, at 7:15PM and 7:30PM, respectfully. The public is able to join the meeting and make an oral submission (details below) or alternatively, they may make a written submission in writing to the Village by email to cao.marwayne@mcsnet.ca or by dropping a letter in the drop box located outside of the village administration office.

The bylaws can be viewed on www.marwayne.ca or by requesting a copy from the Village administration office by email at cao.marwayne@mcsnet.ca or by phone at 780-847-3962.



Public Hearing Details: Bylaw 578 – 20 and Bylaw 579 - 20

When: Monday, June 22nd, 2020

Time: 7:15 PM and 7:30 PM

Zoom URL:

<https://us02web.zoom.us/j/83727020690?pwd=dmNxTDZlNGpwc0hXKzR6WHlycTM0dz09>

Meeting ID: 837 2702 0690

Password: 418835

One tap mobile:

+14388097799,,83727020690#,,1#,418835# Canada or

+15873281099,,83727020690#,,1#,418835# Canada

Dial by your location:

+1 438 809 7799 or +1 587 328 1099 or +1 647 374 4685 or +1 647 558 0588

or +1 778 907 2071



FIELD LEVEL RISK ASSESSMENT FORM

DATE: May 25
PROJECT: _____

LOCATION: Marwayne
COMPLETED BY: Wilson

Check off the hazards that apply to this job. Always stop and think before completing any work. Look around, identify potential hazards, assess the potential hazards, control the hazards and devise a plan to eliminate the hazards in order to resume your work.

Potential Hazard	Yes	No	Rate Hazard (High, Medium, Low)	Corrective Actions to control/eliminate	Notes
Personal Protective Equipment (PPE)					Do you have steel toed boots? Protective eyewear? Hearing protection? A reflective vest? Gloves? Breathing apparatus? Is your PPE in good working order?
Road Conditions	✓		Low		
Vehicle Walk Around	✓		Low		
Heavy Equipment	✓		Low		Please circle: bobcat / mower / grader / whipper snipper
Traffic					
Overhead Lines					
Buried Cables/Pipelines					
Excavations					Have the underground utilities been marked? Have you contacted Alberta 1 st Call? Has traffic been re-routed? Barricades installed?
Gases (including H2S)					
Terrain	✓		Low		
Water					
Animals (dogs/cats/wildlife)					
Land Owners					



AGENDA ITEM #5.1

First Aid					Nearest kit – Please circle: PW Shop / Admin Office / Vehicle
Hazardous Materials					
Access					Has your ladder been tied off? Is there potential for any slips/trips?
Lighting					
Ventilation					Is the switch on in the water treatment plant?
Communication					
Working at Heights					
Working Alone					Is 780-205-2993 saved in your cell phone? Have you told someone where you are working, what you are doing and how long it will take?
Fit for Duty					
Safe Work Procedures					Have you reviewed the MSDS sheets available to you?
Permits Required					Did you need to pull any permits to complete the job? If so, please list permit # _____
Other					

COMMENTS: _____

Employee Name: Wilson Employee Signature: 
 Supervisor Signature: _____ Supervisor Signature: _____

_____ _____
 Date Received Date Filed in OH&S Folder





FIELD LEVEL RISK ASSESSMENT FORM

DATE: May 19

LOCATION: Max Wayne

PROJECT: _____

COMPLETED BY: Wilson

Check off the hazards that apply to this job. Always stop and think before completing any work. Look around, identify potential hazards, assess the potential hazards, control the hazards and devise a plan to eliminate the hazards in order to resume your work.

Potential Hazard	Yes	No	Rate Hazard (High, Medium, Low)	Corrective Actions to control/eliminate	Notes
Personal Protective Equipment (PPE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			Do you have steel toed boots? Protective eyewear? Hearing protection? A reflective vest? Gloves? Breathing apparatus? Is your PPE in good working order?
Road Conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LOW		
Vehicle Walk Around	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LOW		
Heavy Equipment	<input type="checkbox"/>	<input type="checkbox"/>			Please circle: bobcat / mower / grader / whipper snipper
Traffic	<input type="checkbox"/>	<input type="checkbox"/>			
Overhead Lines	<input type="checkbox"/>	<input type="checkbox"/>			
Buried Cables/Pipelines	<input type="checkbox"/>	<input type="checkbox"/>			
Excavations	<input type="checkbox"/>	<input type="checkbox"/>			Have the underground utilities been marked? Have you contacted Alberta 1 st Call? Has traffic been re-routed? Barricades installed?
Gases (including H2S)	<input type="checkbox"/>	<input type="checkbox"/>			
Terrain	<input type="checkbox"/>	<input type="checkbox"/>			
Water	<input type="checkbox"/>	<input type="checkbox"/>			
Animals (dogs/cats/wildlife)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LOW		
Land Owners	<input checked="" type="checkbox"/>	<input type="checkbox"/>	LOW		



AGENDA ITEM #5.1

First Aid						Nearest kit – Please circle: PW Shop / Admin Office / Vehicle
Hazardous Materials						
Access						Has your ladder been tied off? Is there potential for any slips/trips?
Lighting						
Ventilation						Is the switch on in the water treatment plant?
Communication						
Working at Heights						
Working Alone						Is 780-205-2993 saved in your cell phone? Have you told someone where you are working, what you are doing and how long it will take?
Fit for Duty	✓					
Safe Work Procedures	✓					Have you reviewed the MSDS sheets available to you?
Permits Required						Did you need to pull any permits to complete the job? If so, please list permit # _____
Other						

COMMENTS: _____

Employee Name: Wilson Employee Signature: [Signature]
 Supervisor Signature: _____ Supervisor Signature: _____

_____ Date Received _____ Date Filed in OH&S Folder _____





FIELD LEVEL RISK ASSESSMENT FORM

DATE: May 11 LOCATION: marwayne
 PROJECT: walk around COMPLETED BY: wilson

Check off the hazards that apply to this job. Always stop and think before completing any work. Look around, identify potential hazards, assess the potential hazards, control the hazards and devise a plan to eliminate the hazards in order to resume your work.

Potential Hazard	Yes	No	Rate Hazard (High, Medium, Low)	Corrective Actions to control/eliminate	Notes
Personal Protective Equipment (PPE)					Do you have steel toed boots? Protective eyewear? Hearing protection? A reflective vest? Gloves? Breathing apparatus? Is your PPE in good working order?
Road Conditions					
Vehicle Walk Around	✓		low		
Heavy Equipment					Please circle: bobcat / mower / grader / whipper snipper
Traffic					
Overhead Lines					
Buried Cables/Pipelines					
Excavations					Have the underground utilities been marked? Have you contacted Alberta 1 st Call? Has traffic been re-routed? Barricades installed?
Gases (including H2S)					
Terrain					
Water					
Animals (dogs/cats/wildlife)					
Land Owners					



AGENDA ITEM #5.1

First Aid	✓				Nearest kit – Please circle: PW Shop / Admin Office / Vehicle.
Hazardous Materials					
Access					Has your ladder been tied off? Is there potential for any slips/trips?
Lighting					
Ventilation					Is the switch on in the water treatment plant?
Communication					
Working at Heights					
Working Alone					Is 780-205-2993 saved in your cell phone? Have you told someone where you are working, what you are doing and how long it will take?
Fit for Duty	✓				
Safe Work Procedures					Have you reviewed the MSDS sheets available to you?
Permits Required					Did you need to pull any permits to complete the job? If so, please list permit # _____
Other					

COMMENTS: _____

Employee Name: Wilson Employee Signature: Wilson
 Supervisor Signature: _____ Supervisor Signature: _____

_____ _____
 Date Received Date Filed in OH&S Folder





FIELD LEVEL RISK ASSESSMENT FORM

DATE: May 5 LOCATION: Marwayne
 PROJECT: Sewer Flushing COMPLETED BY: Wilson

Check off the hazards that apply to this job. Always stop and think before completing any work. Look around, identify potential hazards, assess the potential hazards, control the hazards and devise a plan to eliminate the hazards in order to resume your work.

Potential Hazard	Yes	No	Rate Hazard (High, Medium, Low)	Corrective Actions to control/eliminate	Notes
Personal Protective Equipment (PPE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Low		Do you have steel toed boots? Protective eyewear? Hearing protection? A reflective vest? Gloves? Breathing apparatus? Is your PPE in good working order?
Road Conditions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Low		
Vehicle Walk Around	<input type="checkbox"/>	<input type="checkbox"/>			
Heavy Equipment	<input type="checkbox"/>	<input type="checkbox"/>			Please circle: bobcat / mower / grader / whipper snipper
Traffic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Low		
Overhead Lines	<input type="checkbox"/>	<input type="checkbox"/>			
Buried Cables/Pipelines	<input type="checkbox"/>	<input type="checkbox"/>			
Excavations	<input type="checkbox"/>	<input type="checkbox"/>			Have the underground utilities been marked? Have you contacted Alberta 1 st Call? Has traffic been re-routed? Barricades installed?
Gases (including H2S)	<input type="checkbox"/>	<input type="checkbox"/>			
Terrain	<input type="checkbox"/>	<input type="checkbox"/>			
Water	<input type="checkbox"/>	<input type="checkbox"/>			
Animals (dogs/cats/wildlife)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Low		
Land Owners	<input type="checkbox"/>	<input type="checkbox"/>			



AGENDA ITEM #5.1

First Aid						Nearest kit – Please circle: PW Shop / Admin Office / Vehicle
Hazardous Materials						
Access						Has your ladder been tied off? Is there potential for any slips/trips?
Lighting						
Ventilation						Is the switch on in the water treatment plant?
Communication						
Working at Heights						
Working Alone						Is 780-205-2993 saved in your cell phone? Have you told someone where you are working, what you are doing and how long it will take?
Fit for Duty						
Safe Work Procedures	✓		LOW			Have you reviewed the MSDS sheets available to you?
Permits Required						Did you need to pull any permits to complete the job? If so, please list permit # _____
Other						

COMMENTS: _____

Employee Name: Wilson Employee Signature: *Wilson*
 Supervisor Signature: _____ Supervisor Signature: _____

_____ Date Received _____ Date Filed in OH&S Folder _____





MAY 2020 PUBLIC WORKS FOREMAN REPORT

Task	Completed (Yes/No) & Date	Notes
Check & Grade Back Alleys	Yes May	
Playground Inspection, Rototilling and Add Sand		
Turn on Water in Welcome Triangle & Check for Leaks (Kill Weeds before 3 rd Week in May, Rototill, Check Plug and Timer) <i>OK</i>		
Culvert Inspections – Do any need repairs/replacement?	good	
“Dipping” Water Wells (Pumping & Non Pumping)	Yes	
Lagoon Inspection & Rotation	yes	
Visual Street Sign Inspections & HWY 897 Signs (Noted in Writing in your Book)	all time yes	
Water Trees (If Needed) at Agriplex and Downtown and Check Trees in back alleys/sidewalk overhang	good	
Mowing/Whipper Snipping/Garbage Cleanup (Ball Diamonds a priority/5 th Avenue Park for Soccer)		
Clean up Railway Avenue of any Winter Gravel	good	
Sewer Flushing & Manhole Inspection/Clean	yes 6-7 May	
Check Fire Extinguishers (1 Office, 3 Shop, Vehicles, 2 Water Treatment Plant, 1 Fire Hall, 1 Lift Station, 2 Well House & 1 Clinic)	yes good	
Check First Aid Kit for Sticker (Office, Shop, Vehicles and Water Treatment Plant)	yes good	

Submitted by: wd

Date: June 1



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Regional Operator report

May 2020

Common information:

Operators continue with a general plan for pandemic as submitted to Win Tun of Alberta Environment.

We continue to reduce face to face operator interaction to daily minimums and have increased hand washing and use of sanitizer. We stay at least two meters apart and monitor AEP recommendations.

Alberta Environment is still requiring daily checks and testing at plants as per our code of practice and approvals.

Lead testing program is to begin in June. Some input has been received on the draft plan. Testing will likely begin soon.

New magnetic locator has been ordered.

Regional operator's laptop having a few issues. Still working on the problem.

Outstanding items:

Decommissioning work on wells and plants is ongoing.

Review Drinking water safety plans. Dewberry complete.

Review SOP's. Dewberry complete

Proceed with the lead management plan.

Marwayne:

Still need more information regarding requirements when decommissioning wells and using them for irrigation.

Data for May 2020 was electronically submitted on AEP site.

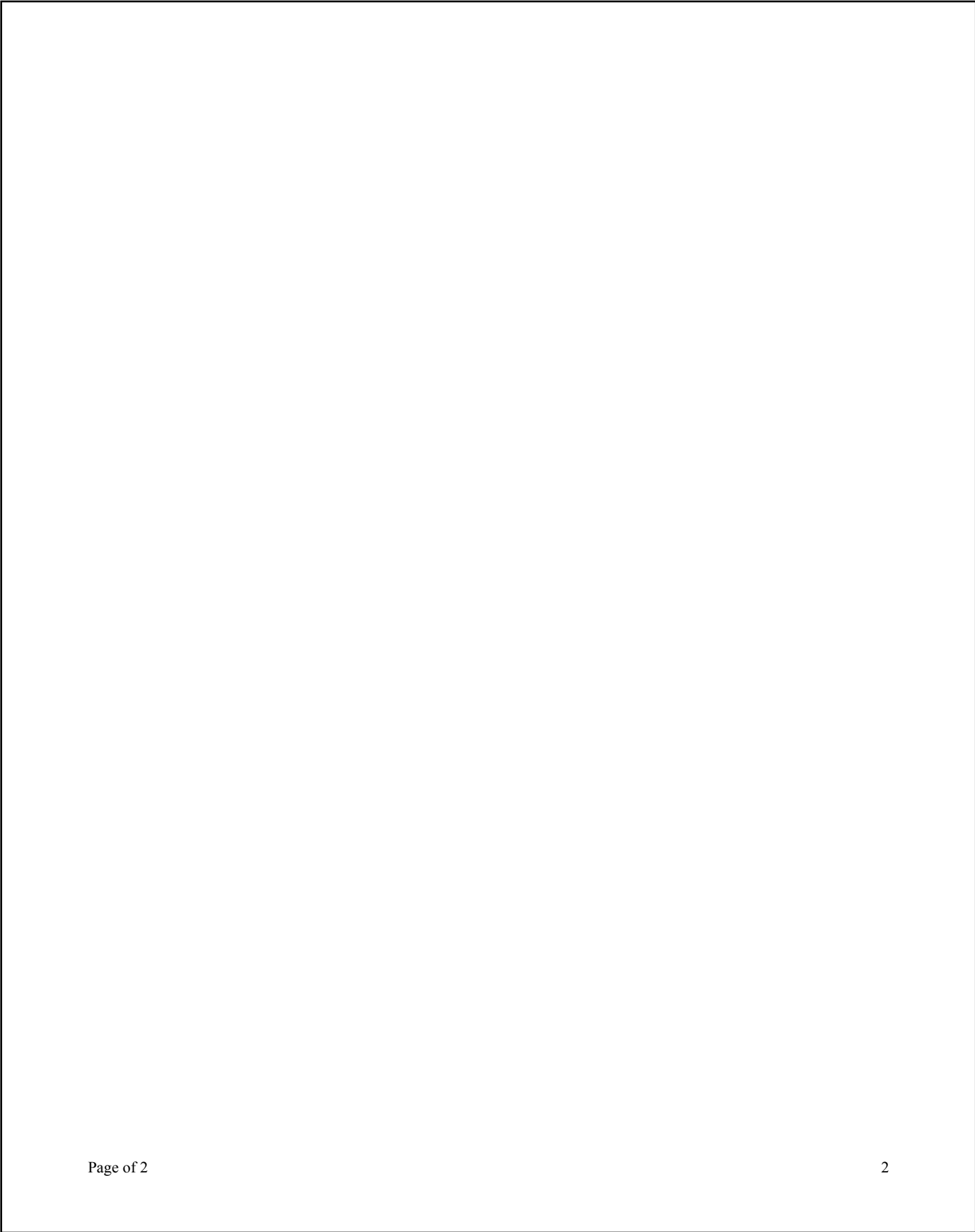
New pump for the West lift station is on hand. Will install as soon as time permits.

ACE has a leak on the line coming into the plant. A temporary feed is in place and now running on automatic. Still waiting for ACE to come up with the final plan.

Spring discharge at lagoon started May 13th. Samples taken on May 14. TSS a bit high but all good according to AEP.

Rotated flow in Anarobic ponds at the lagoon.

Will remove Swan analyzer and trade Dewberry for CL17 Hach analyzer they are currently using





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File # 19-00604-00

May 27, 2020

Shannon Harrower
Chief Administrative Officer
Village of Marwayne
P.O. Box 272
Marwayne, AB T0B 2X0

Dear Shannon Harrower;

RE: 2019 Groundwater Assessment – Former British American Oil Bulk Plant and Service Station (Outlet #28394), Marwayne, Alberta

INTRODUCTION

On behalf of ConocoPhillips Canada Resources Corp. (CPC), Millennium EMS Solutions Ltd (MEMS) completed a groundwater assessment at the former British American (BA) Oil Bulk Plant and Service Station property within Plan 3194 ET, Block 7, Lot 3 in the village of Marwayne, Alberta in October, 2019 (Figure 1, Appendix A).

RESULTS

Groundwater samples were collected from monitoring wells MW05-3A MW08-8A to MW08-12A, MW11-2D, MW11-3D and MW15-20A/D, as shown on Figure 1, on October 23 and 24, 2019. Samples were delivered to AGAT Laboratories in Calgary, AB on October 25, 2019. AGAT Laboratories is an independent laboratory accredited by the Standards Council of Canada (SCC), Canadian Association for Laboratory Accreditation (CALA) and SAI Global.

The Alberta Environment and Parks *Alberta Tier 2 Soil and Groundwater Remediation Guidelines* (Tier 2 guidelines; AEP, 2019) for coarse-grained soil and residential and commercial land use (depending on the well location), developed by Advisian (a Worley Group company), have been applied for the comparison with laboratory results.



ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

The applied Tier 2 guidelines exclude the domestic use aquifer and freshwater aquatic life exposure pathways.

Laboratory results exhibited elevated concentrations of benzene and/or petroleum hydrocarbon fraction F1 relative to the applied Tier 2 guidelines at MW08-10A and MW08-9A. The remaining groundwater samples were below the applied Tier 2 guidelines. Data tables summarizing the results of the groundwater sample collected and submitted for laboratory analyses are provided in Appendix B. Original laboratory data reports are provided in Appendix C.

LIMITATIONS

Performance of a standardized environmental site assessment protocol is intended to reduce, but cannot eliminate, uncertainty regarding environmental conditions in connection with the property, given reasonable constraints of time and cost. No environmental site assessment can wholly eliminate uncertainty regarding the potential for environmental liability.

This monitoring report was conducted in accordance with the objectives and the scope of work prepared for this project. Services were limited to the client-approved cost proposal, using an assumed number of samples and activities. The observations, findings, conclusions and recommendations contained in this report apply only to the testing performed during the project and on information gained from the activities described in this report. Such information may change over time.

MEMS' work is predicated on the fact that all data contained in third party reports and information provided by others is accurate and reflective of site conditions. As per the scope of this assignment, MEMS has not sought to independently verify the data provided by others unless otherwise noted. MEMS does not accept responsibility for any deficiency, misstatements or inaccuracies contained in this report as a result of omissions or misinterpretations by others.

This report has been prepared for the sole and exclusive use of **ConocoPhillips Canada Resources Corp., and the Village of Marwayne**, who may rely on this report for specific application to this project site. Any other use, or any use of this report by any other party, is prohibited without the express written consent of **ConocoPhillips Canada Resources Corp. and MEMS**. **MEMS accepts no responsibility for foreseeable or unforeseeable damages, or direct or indirect damages, if any, suffered by any third party as a result of decisions made or actions taken based on the unauthorized use of this report. If third parties choose to use this report in an unauthorized manner, such third parties are also choosing to indemnify MEMS and all of its officers, employees, agents, successors and assigns from any and all claims, damages, or liability of any kind (including but not limited to delay of project commencement or completion, reduction of property value,**



ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

and/or fear of, or actual, exposure to or release of toxic or hazardous substances) in regards to such use.

Third parties that wish to use this report will be required to return an executed copy of Millennium's Third-Party Reliance Agreement located in Appendix D.

CLOSURE

Should you have any questions, please contact either of the undersigned at 403.270.5012.

Yours truly,

Millennium EMS Solutions Ltd.

Prepared by:

A handwritten signature in black ink, appearing to read 'B. Pratt', is written over a light blue circular stamp.

Ben Pratt, B.A.Sc., B.A.I.E., E.I.T.
Contaminant Hydrogeologist

Reviewed by:



Scott Digel, Ph.D., P.Geol.
Senior Advisor, Client and Technical Services



ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

APPENDIX A: FIGURES

19-00604-00





ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

APPENDIX B: DATA TABLES

19-00604-00



Table B1. Well Completion Details and Groundwater Elevations

Well ID	Ground Elevation	Top of Casing Elevation	Stick up	Well Depth	Top of Completion	Bottom of Completion	Stratigraphy at Screen	Date	Hydraulic Conductivity	Water Levels		
	masl	masl		m	mbgs	mbgs			mbgs	m/s	mbtoc	mbgs
MW05-3A	602.86	603.71	0.85	-	1.90	3.96	Sandy Silt/Sand	14-Nov-05	1.10E-07	4.14	3.29	599.57
								6-Oct-06		4.75	3.90	598.96
								25-Jun-08		4.51	3.66	599.20
								4-May-09		5.29	4.44	598.42
								14-Sep-09		5.21	4.36	598.50
								10-May-10		5.39	4.54	598.32
								28-Oct-10		4.85	4.00	598.86
								1-Jun-11		4.83	3.98	598.88
								15-Sep-11		4.34	3.49	599.37
								11-Jul-12		4.76	3.91	598.95
								7-Nov-12		4.93	4.08	598.78
								19-Nov-12		4.92	4.07	598.79
								22-Jul-13		4.58	3.73	599.13
								29-Oct-13		4.82	3.97	598.89
								5-Jun-14		5.14	4.29	598.57
								5-Oct-14		4.92	4.07	598.79
								4-Aug-15		4.83	3.98	598.88
								4-Oct-17		4.76	3.91	598.95
29-Oct-18	4.95	4.10	598.76									
22-Oct-19	4.77	3.92	598.94									



Table B1. Well Completion Details and Groundwater Elevations

Well ID	Ground Elevation	Top of Casing Elevation	Stick up	Well Depth	Top of Completion	Bottom of Completion	Stratigraphy at Screen	Date	Hydraulic Conductivity	Water Levels		
	masl	masl	m	mbgs	mbgs	mbgs			m/s	mbtoc	mbgs	masl
MW08-8A	602.67	603.67	1.00	-	1.70	5.20	Silty Sand/Sand/Sand Silt	2.00E-05	24-Jun-08	4.55	3.55	599.12
									25-Jun-08	4.55	3.55	599.12
									10-Sep-08	4.75	3.75	598.92
									5-May-09	5.23	4.23	598.44
									14-Sep-09	5.13	4.13	598.54
									10-May-10	5.16	4.16	598.51
									28-Oct-10	4.66	3.66	599.01
									1-Jun-11	4.51	3.51	599.16
									15-Sep-11	4.33	3.33	599.34
									11-Jul-12	4.70	3.70	598.97
									7-Nov-12	4.90	3.90	598.77
									19-Nov-12	4.96	3.96	598.71
									22-Jul-13	5.55	4.55	598.12
									29-Oct-13	4.90	3.90	598.77
									5-Jun-14	5.05	4.05	598.62
									5-Oct-14	4.86	3.86	598.81
									4-Aug-15	4.79	3.79	598.88
									4-Oct-17	4.71	3.71	598.96
									29-Oct-18	4.84	3.84	598.83
22-Oct-19	4.68	3.68	598.99									
MW08-9A	602.67	602.57	-0.10	-	2.10	5.50	Silty Sand	2.20E-04	25-Jun-08	3.56	3.66	599.01
									11-Sep-08	3.66	3.76	598.91
									4-May-09	4.19	4.29	598.38
									15-Sep-09	4.09	4.19	598.48
									10-May-10	4.27	4.37	598.30
									28-Oct-10	3.76	3.86	598.81
									1-Jun-11	3.95	4.05	598.62
									15-Sep-11	3.39	3.49	599.18
									11-Jul-12	3.67	3.77	598.90
									7-Nov-12	3.82	3.92	598.75
									22-Jul-13	3.46	3.56	599.11
									29-Oct-13	3.72	3.82	598.85
									5-Jun-14	3.95	4.05	598.62
									5-Oct-14	3.72	3.82	598.85
									4-Aug-15	3.68	3.78	598.89
									4-Oct-17	3.53	3.63	599.04
									29-Oct-18	3.74	3.84	598.83
									22-Oct-19	3.63	3.73	598.94



Table B1. Well Completion Details and Groundwater Elevations

Well ID	Ground Elevation	Top of Casing Elevation	Stick up	Well Depth	Top of Completion	Bottom of Completion	Stratigraphy at Screen	Date	Hydraulic Conductivity	Water Levels		
	masl	masl		m	mbgs	mbgs			mbgs	m/s	mbtoc	mbgs
MW08-10A	602.69	602.59	-0.10	-	2.10	5.50	Sand	25-Jun-08	1.10E-04	3.64	3.74	598.95
								11-Sep-08		3.72	3.82	598.87
								4-May-09		4.26	4.36	598.33
								14-Sep-09		4.18	4.28	598.41
								10-May-10		4.33	4.43	598.26
								28-Oct-10		3.84	3.94	598.75
								1-Jun-11		4.01	4.11	598.58
								15-Sep-11		3.44	3.54	599.15
								11-Jul-12		3.70	3.80	598.89
								7-Nov-12		3.84	3.94	598.75
								19-Nov-12		3.84	3.94	598.75
								22-Jul-13		3.50	3.60	599.09
								29-Oct-13		3.73	3.83	598.86
								5-Jun-14		3.97	4.07	598.62
								5-Oct-14		3.74	3.84	598.85
								4-Aug-15		3.62	3.72	598.97
								4-Oct-17		3.57	3.67	599.02
								29-Oct-18		3.77	3.87	598.82
22-Oct-19	3.66	3.76	598.93									
MW08-11A	602.77	602.67	-0.10	-	1.70	5.20	Silty Sand	25-Jun-08	-	3.72	3.82	598.95
								11-Sep-08		3.82	3.92	598.85
								4-May-09		4.34	4.44	598.33
								14-Sep-09		4.27	4.37	598.40
								10-May-10		4.41	4.51	598.26
								28-Oct-10		3.98	4.08	598.69
								1-Jun-11		4.12	4.22	598.55
								15-Sep-11		3.59	3.69	599.08
								11-Jul-12		3.85	3.95	598.82
								7-Nov-12		3.98	4.08	598.69
								19-Nov-12		3.98	4.08	598.69
								22-Jul-13		3.67	3.77	599.00
								29-Oct-13		3.87	3.97	598.80
								5-Jun-14		4.09	4.19	598.58
								5-Oct-14		3.87	3.97	598.80
								4-Aug-15		3.86	3.96	598.81
								4-Oct-17		3.74	3.84	598.93
								29-Oct-18		3.92	4.02	598.75
22-Oct-19	3.79	3.89	598.88									



Table B1. Well Completion Details and Groundwater Elevations

Well ID	Ground Elevation	Top of Casing Elevation	Stick up	Well Depth	Top of Completion	Bottom of Completion	Stratigraphy at Screen	Date	Hydraulic Conductivity	Water Levels		
	masl	masl		m	mbgs	mbgs			mbgs	m/s	mbtoc	mbgs
MW08-12A	602.50	602.40	-0.10	-	2.50	5.50	Silty Sand/Sand/Sandy Silt	26-Jun-08	2.20E-07	3.05	3.15	599.35
								11-Sep-08		3.34	3.44	599.06
								4-May-09		4.01	4.11	598.39
								14-Sep-09		3.88	3.98	598.52
								10-May-10		4.09	4.19	598.31
								28-Oct-10		2.54	2.64	599.86
								1-Jun-11		2.93	3.03	599.47
								15-Sep-11		2.91	3.01	599.49
								11-Jul-12		2.81	2.91	599.59
								7-Nov-12		3.12	3.22	599.28
								22-Jul-13		2.28	2.38	600.12
								29-Oct-13		2.29	2.39	600.11
								5-Jun-14		2.68	2.78	599.72
								5-Oct-14		3.01	3.11	599.39
								4-Aug-15		3.00	3.10	599.40
								4-Oct-17		3.02	3.12	599.38
								29-Oct-18		2.99	3.09	599.41
								22-Oct-19		3.00	3.10	599.40
MW08-13A	602.80	602.70	-0.10	-	1.00	4.20	Silty Sand/Sandy Silt	11-Sep-08	-	>4.10	>4.2	<598.60
								4-May-09		2.55	2.65	600.15
								14-Sep-09		3.20	3.30	599.50
								10-May-10		2.58	2.68	600.12
								28-Oct-10		2.99	3.09	599.71
								1-Jun-11		2.69	2.79	600.01
								15-Sep-11		2.82	2.92	599.88
								11-Jul-12		2.31	2.41	600.39
								7-Nov-12		3.10	3.20	599.60
								19-Nov-12		3.80	3.90	598.90
								22-Jul-13		2.64	2.74	600.06
								29-Oct-13		3.81	3.91	598.89
								5-Jun-14		2.56	2.66	600.14
								5-Oct-14		3.21	3.31	599.49
								4-Aug-15		2.94	3.04	599.76
								4-Oct-17		3.10	3.20	599.60
								29-Oct-18		2.91	3.01	599.79
								22-Oct-19		3.02	3.12	599.69



Table B1. Well Completion Details and Groundwater Elevations

Well ID	Ground Elevation	Top of Casing Elevation	Stick up	Well Depth	Top of Completion	Bottom of Completion	Stratigraphy at Screen	Date	Hydraulic Conductivity	Water Levels		
	masl	masl		m	mbgs	mbgs			mbgs	m/s	mbtoc	mbgs
MW08-14A	602.76	602.66	-0.10	-	2.62	4.14	Sandy Silt	11-Sep-08	-	3.67	3.77	598.99
								4-May-09		Frozen		
								14-Sep-09		Frozen		
								10-May-10		3.98	4.08	598.68
								8-Oct-10		Frozen		
								1-Jun-11		Frozen		
								15-Sep-11		Frozen		
								11-Jul-12		3.42	3.52	599.24
								6-Nov-12		3.66	3.76	599.00
								19-Nov-12		3.65	3.75	599.01
								22-Jul-13		3.24	3.34	599.42
								29-Oct-13		3.45	3.55	599.21
								5-Jun-14		3.55	3.65	599.11
								5-Oct-14		3.65	3.75	599.01
								4-Aug-15		3.58	3.68	599.08
								4-Oct-17		3.57	3.67	599.09
								29-Oct-18		3.68	3.78	598.98
22-Oct-19	3.55	3.65	599.11									
MW08-15A	602.61	602.51	-0.10	-	1.40	4.90	Silty Sand/Sandy Silt	11-Sep-08	3.90E-07	3.66	3.76	598.85
								4-May-09		4.17	4.27	598.34
								14-Sep-09		4.07	4.17	598.44
								10-May-10		4.24	4.34	598.27
								28-Oct-10		3.71	3.81	598.80
								1-Jun-11		3.90	4.00	598.61
								15-Sep-11		3.36	3.46	599.15
								11-Jul-12		3.60	3.70	598.91
								7-Nov-12		3.74	3.84	598.77
								22-Jul-13		3.39	3.49	599.12
								29-Oct-13		3.64	3.74	598.87
								5-Jun-14		3.82	3.92	598.69
								5-Oct-14		3.69	3.79	598.82
								4-Aug-15		3.66	3.76	598.85
								4-Oct-17		3.52	3.62	598.99
								29-Oct-18		3.71	3.81	598.80
								22-Oct-19		3.62	3.72	598.89



Table B1. Well Completion Details and Groundwater Elevations

Well ID	Ground Elevation	Top of Casing Elevation	Stick up	Well Depth	Top of Completion	Bottom of Completion	Stratigraphy at Screen	Date	Hydraulic Conductivity	Water Levels		
	masl	masl		m	mbgs	mbgs			mbgs	m/s	mbtoc	mbgs
MW11-2D	602.89	603.79	0.90	-	11.58	13.72	Gravel/Sand	15-Sep-11	-	14.16	13.26	589.63
								11-Jul-12		13.63	12.73	590.16
								7-Nov-12		13.54	12.64	590.25
								19-Nov-12		13.39	12.49	590.40
								22-Jul-13		13.37	12.47	590.42
								29-Oct-13		13.63	12.73	590.16
								5-Jun-14		13.27	12.37	590.52
								5-Oct-14		13.21	12.31	590.58
								4-Aug-15		13.25	12.35	590.54
								4-Oct-17		13.42	12.52	590.37
								29-Oct-18		13.31	12.41	590.48
								22-Oct-19		13.38	12.48	590.41
MW11-3D	602.95	603.75	0.80	-	10.97	13.60	Shale/Sandstone	15-Sep-11	1.00E-06	5.11	4.31	598.64
								11-Jul-12		4.87	4.07	598.88
								7-Nov-12		5.23	4.43	598.52
								19-Nov-12		5.15	4.35	598.60
								22-Jul-13		4.65	3.85	599.10
								29-Oct-13		4.97	4.17	598.78
								5-Jun-14		5.03	4.23	598.72
								5-Oct-14		4.85	4.05	598.90
								4-Aug-15		4.92	4.12	598.83
								4-Oct-17		4.88	4.08	598.87
								29-Oct-18		5.02	4.22	598.73
								22-Oct-19		5.01	4.21	598.74
MW11-8D	602.71	603.66	0.95	-	11.28	13.70	Gravel/Sand	15-Sep-11	-	14.26	13.31	589.40
								11-Jul-12		14.10	13.15	589.56
								6-Nov-12		14.09	13.14	589.57
								19-Nov-12		14.01	13.06	589.65
								22-Jul-13		14.11	13.16	589.55
								29-Oct-13		14.02	13.07	589.64
								5-Jun-14		14.09	13.14	589.57
								5-Oct-14		14.07	13.12	589.59
								4-Aug-15		14.10	13.15	589.56
								4-Oct-17		14.31	13.36	589.35
								29-Oct-18		14.10	13.15	589.56
								22-Oct-19		14.17	13.22	589.49



Table B1. Well Completion Details and Groundwater Elevations

Well ID	Ground Elevation	Top of Casing Elevation	Stick up	Well Depth	Top of Completion	Bottom of Completion	Stratigraphy at Screen	Date	Hydraulic Conductivity	Water Levels		
	masl	masl	m	mbgs	mbgs	mbgs			m/s	mbtoc	mbgs	masl
MW15-20A	603.09	602.99	-0.10	-	3.20	6.86	Sand/Sandy Silty Clay/Sand w/Gravel/Sand Silty Clay	4-Aug-15	-	3.73	3.83	599.26
								4-Oct-17		3.60	3.70	599.39
								29-Oct-18		3.77	3.87	599.22
								22-Oct-19		3.57	3.67	599.42
MW15-20D	603.07	602.87	-0.20	-	11.73	14.02	Sand/Sandy Shale	4-Aug-15	-	12.18	12.38	590.69
								4-Oct-17		12.12	12.32	590.75
								29-Oct-18		12.30	12.50	590.57
								22-Oct-19		12.18	12.38	590.69

Notes:
 (mbgs) - Meters Below Ground Surface
 (masl) - Meters Above Sea Level
 (mbtoc) - Meters Below Top of Casing



ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

Table B2. Groundwater Field Measured Parameters

Well ID	Sampling Date	Field				
		pH	Electrical Conductivity	Temperature	Dissolved Oxygen	Oxidation Reduction Potential
		---	mS/cm	°C	mg/L	mV
MW05-3A	23-Oct-19	9.1	0.739	6.35	9.24	20.3
MW08-10A	23-Oct-19	6.21	0.937	6.85	5.62	-27.8
MW08-11A	24-Oct-19	5.42	1.53	8.66	8.85	51.6
MW08-12A	23-Oct-19	6.23	0.854	6.52	10.9	109.9
MW08-8A	23-Oct-19	6.1	0.917	6.48	3.09	160.3
MW08-9A	23-Oct-19	6.04	1.32	8.15	7.28	15.8
MW11-2D	24-Oct-19	7.6	1.708	5.36	7.72	26.8
MW11-3D	23-Oct-19	8.23	0.585	5.29	5.87	185.3
MW15-20A	24-Oct-19	6.45	0.95	7.28	5.02	63
MW15-20D	24-Oct-19	6.16	1.283	5.7	9.73	42.8



ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

Table B3. Groundwater Petroleum Hydrocarbon Results

Land Use	Well ID	Sampling Date	Sample Type	Petroleum Hydrocarbons						
				Benzene	Toluene	Ethylbenzene	Xylenes Total	F1-BTEX	F2	
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
AB Tier 2 Guidelines (Coarse Soil, 2019)		Residential		0.14	59	16	3.9	0.81	1.5	
		Commercial		1.8	200	110	48	9.1	3.1	
Commercial	MW05-3A	14-Nov-05		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.05	
		6-Oct-06		<0.0005	0.0006	<0.0005	0.002	<0.1	<0.05	
		25-Jun-08		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	0.5	
		1-Jun-11		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
		15-Sep-11		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
		11-Jul-12		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
		19-Nov-12		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
		22-Jul-13		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
		29-Oct-13		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
		5-Jun-14		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
		5-Oct-14		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
			Duplicate	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	-	
		6-Aug-15		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	
	29-Oct-18		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1		
	23-Oct-19		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1		
	MW08-8A	25-Jun-08			<0.0005	<0.0005	<0.0005	0.0013	<0.1	0.79
		28-Oct-10			<0.0005	<0.00075	<0.0005	<0.002	<0.2	2.23
			Duplicate	<0.0005	<0.00075	<0.0005	<0.002	<0.2	-	
		1-Jun-11			0.171	0.0026	0.0066	0.073	<0.1	0.6
		15-Sep-11			0.0022	<0.0005	<0.0005	<0.0005	<0.1	0.8
		11-Jul-12			0.0035	<0.0005	<0.0005	<0.0005	<0.1	0.1
		19-Nov-12			<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1
		22-Jul-13			<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1
29-Oct-13				<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
5-Jun-14				<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
	Duplicate	<0.0005	<0.0005	<0.0005	<0.0005	<0.1	-			
5-Oct-14			<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1		
6-Aug-15			0.0008	<0.0003	<0.0005	<0.0005	<0.1	0.2		
30-Oct-18			<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1		
23-Oct-19			<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1		



ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

Table B3. Groundwater Petroleum Hydrocarbon Results

Land Use	Well ID	Sampling Date	Sample Type	Petroleum Hydrocarbons					
				Benzene	Toluene	Ethylbenzene	Xylenes Total	F1-BTEX	F2
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AB Tier 2 Guidelines (Coarse Soil, 2019)		Residential		0.14	59	16	3.9	0.81	1.5
		Commercial		1.8	200	110	48	9.1	3.1
Commercial	MW11-2D	11-Jul-12		1.58	0.0057	0.022	0.323	0.2	1.2
		19-Nov-12		1.12	0.0022	0.006	0.182	0.2	0.8
		22-Jul-13		2.41	0.008	0.015	0.274	2.3	1.0
		29-Oct-13		2.46	0.003	0.008	0.255	3	0.9
		5-Jun-14		1.08	0.0044	0.0096	0.077	1.2	0.4
		5-Oct-14		0.6417	0.0023	0.0053	0.0285	0.6	0.7
		6-Aug-15		0.235	0.0013	0.0016	0.0091	0.6	0.9
		4-Oct-17		0.0047	<0.0003	<0.0005	0.0006	<0.1	0.3
		29-Oct-18		0.0041	<0.0003	<0.0005	0.0007	<0.1	0.1
	24-Oct-19		0.0064	<0.0003	<0.0005	0.0009	<0.1	0.1	
	MW11-3D	15-Sep-11		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1
		11-Jul-12		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1
		19-Nov-12		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1
			Duplicate	<0.0005	<0.0005	<0.0005	<0.0005	-	-
		22-Jul-13		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1
		29-Oct-13		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1
		5-Jun-14		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1
		5-Oct-14		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1
		6-Aug-15		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1
	29-Oct-18		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	
	23-Oct-19		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	
	MW11-8D	19-Nov-12		0.606	0.0012	0.101	0.0593	<0.1	3
		5-Jun-14		0.639	0.0044	0.245	0.15	0.9	<0.1
		5-Oct-14		0.267	0.0012	0.1049	0.0993	1.3	-
		6-Aug-15		0.299	<0.0003	0.123	0.115	0.7	0.8
		30-Oct-18		0.0097	<0.0003	0.0011	<0.0005	0.2	<0.2
	MW15-20A	6-Aug-15		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1
		5-Oct-17		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1
			Duplicate	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1
		29-Oct-18		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1
		Duplicate	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	
24-Oct-19		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1		



ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

Table B3. Groundwater Petroleum Hydrocarbon Results

Land Use	Well ID	Sampling Date	Sample Type	Petroleum Hydrocarbons					
				Benzene	Toluene	Ethylbenzene	Xylenes Total	F1-BTEX	F2
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AB Tier 2 Guidelines (Coarse Soil, 2019)		Residential		0.14	59	16	3.9	0.81	1.5
		Commercial		1.8	200	110	48	9.1	3.1
Commercial	MW15-20D	6-Aug-15		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1
		5-Oct-17		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1
		29-Oct-18		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1
		24-Oct-19		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1
			Duplicate	<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1
Residential	MW08-9A	25-Jun-08		3.35	0.938	1.78	8.2	57	9.5
		11-Sep-08		0.708	0.162	0.676	2.05	14	12
		4-May-09		3.46	0.514	1.06	4.14	8.53	9.77
			Duplicate	3.3	0.477	1.01	3.76	12.9	-
		15-Sep-09		2.79	<0.38	0.854	2.02	30.4	42.2
		30-Jun-10		3	0.447	0.977	3.17	11	4.49
		28-Jul-10		0.691	0.071	0.067	0.37	<0.2	2.51
		28-Oct-10		1.17	0.0888	0.379	1.08	3.36	8.85
		1-Jun-11		2.95	1.31	0.7	2.49	7.3	2.7
		15-Sep-11		2.53	0.213	0.6	1.28	2.1	1.5
		11-Jul-12		1.65	0.0846	0.346	0.592	1.8	1.5
		7-Nov-12		0.44	0.0432	0.155	0.29	3.9	1.1
		22-Jul-13		0.567	0.0618	0.191	0.329	0.9	1.6
		29-Oct-13		0.563	0.0795	0.357	0.685	3.6	3
			Duplicate	0.544	0.0803	0.351	0.671	3.5	-
		5-Jun-14		0.822	0.127	0.415	0.71	3.2	1.7
		5-Oct-14		0.7685	0.1544	0.3676	0.8904	3.9	2.44
		6-Aug-15		1.04	0.136	0.66	1.05	3.9	2.4
5-Oct-17		0.251	0.0564	0.196	0.304	1.7	1.0		
29-Oct-18		0.165	0.0497	0.498	0.786	3.8	1.5		
23-Oct-19		0.0713	0.0172	0.212	0.386	2.7	1.3		



ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

Table B3. Groundwater Petroleum Hydrocarbon Results

Land Use	Well ID	Sampling Date	Sample Type	Petroleum Hydrocarbons						
				Benzene	Toluene	Ethylbenzene	Xylenes Total	F1-BTEX	F2	
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
AB Tier 2 Guidelines (Coarse Soil, 2019)		Residential		0.14	59	16	3.9	0.81	1.5	
		Commercial		1.8	200	110	48	9.1	3.1	
Residential	MW08-10A	25-Jun-08		5	2.42	0.569	2.23	6.7	2.3	
		11-Sep-08		2.05	0.739	0.4	1.64	4.2	2.7	
		4-May-09		11.5	7.5	1.25	4.3	12.2	10.1	
		15-Sep-09		8.36	6.99	1.18	4.77	2.53	7.57	
		30-Jun-10		8.63	3.78	1.09	3.63	<10	1.78	
		28-Jul-10		3.42	3.02	0.544	2.94	<0.2	0.92	
		28-Oct-10		2.88	1.44	0.368	1.41	<0.2	1.82	
		1-Jun-11		7.62	10.7	1.42	8.12	4.8	2.9	
		15-Sep-11		3.44	3.32	0.76	3.75	3.4	1.3	
		11-Jul-12		3.39	2.83	0.778	3.46	1.7	1.5	
		19-Nov-12		2.1	1.37	0.915	2.62	<0.1	1.7	
		22-Jul-13		1.66	1.96	1.19	4.91	0.9	1.3	
		29-Oct-13		1.46	1.34	0.988	3.29	1.8	1.2	
		5-Jun-14		0.737	0.482	0.62	1.56	1.8	0.5	
		5-Oct-14		0.7256	0.6056	0.4164	1.1111	1.5	1.06	
			Duplicate	0.6931	0.6387	0.6527	1.7354	3	-	
		6-Aug-15		3.08	4.24	1.43	6.18	0.2	1.9	
	5-Oct-17		1.51	1.85	0.763	3.01	2.6	1.3		
	29-Oct-18		0.616	1.53	0.715	2.92	4.3	0.7		
	23-Oct-19		0.249	0.381	0.497	1.71	2.1	0.9		
		MW08-11A	25-Jun-08		0.164	0.00435	0.00319	0.00125	0.4	0.11
			11-Sep-08		0.0291	<0.00075	0.0013	0.0032	0.1	<0.2
			4-May-09		0.0858	0.00357	0.00128	0.00205	0.37	0.057
	15-Sep-09			0.101	<0.0075	0.00731	0.0049	0.23	<0.2	
			Duplicate	0.0941	<0.0075	0.00688	0.0045	0.22	-	
	30-Jun-10			1.01	0.0146	0.042	0.0255	<0.2	<0.2	
	28-Jul-10			0.4	<0.38	<0.25	<1	0.23	<0.2	
	28-Oct-10		0.643	0.0526	0.0909	0.123	<0.2	<0.2		



ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

Table B3. Groundwater Petroleum Hydrocarbon Results

Land Use	Well ID	Sampling Date	Sample Type	Petroleum Hydrocarbons					
				Benzene	Toluene	Ethylbenzene	Xylenes Total	F1-BTEX	F2
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AB Tier 2 Guidelines (Coarse Soil, 2019)		Residential		0.14	59	16	3.9	0.81	1.5
		Commercial		1.8	200	110	48	9.1	3.1
Residential	MW08-11A	1-Jun-11		0.714	0.0326	0.0841	0.0687	0.1	0.1
		15-Sep-11		2.3	0.583	0.266	0.81	0.4	0.4
			Duplicate	2.57	0.662	0.336	0.963	-	-
		11-Jul-12		3.76	0.0287	0.408	0.27	1	0.4
		19-Nov-12		1.09	0.0282	0.206	0.126	<0.1	0.3
		22-Jul-13		0.292	0.0162	0.0809	0.0458	0.5	0.2
			Duplicate	0.263	0.0166	0.088	0.0451	0.6	-
		29-Oct-13		0.0916	0.0062	0.0556	0.0297	0.6	0.2
		5-Oct-14		0.0589	0.002	0.016	0.0055	0.5	0.12
		6-Aug-15		2.58	0.0786	0.54	1.19	0.8	0.6
	5-Oct-17		5.14	0.292	0.973	2.89	3.5	0.9	
	29-Oct-18		0.101	0.0165	0.0824	0.031	0.4	0.1	
	24-Oct-19		0.0936	0.0084	0.0305	0.0115	0.2	<0.1	
	26-Jun-08		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.05	
	11-Sep-08		0.0005	<0.00075	<0.0005	<0.002	<0.1	<0.2	
	4-May-09		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.2	
	15-Sep-09		<0.0005	<0.0075	<0.0005	<0.002	<0.2	<0.2	
	28-Oct-10		<0.0005	<0.00075	<0.0005	<0.002	<0.2	<0.2	
	1-Jun-11		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
	15-Sep-11		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
	11-Jul-12		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
		Duplicate	<0.0005	<0.0005	<0.0005	<0.0005	-	-	
	7-Nov-12		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
	22-Jul-13		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
	29-Oct-13		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
	5-Jun-14		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
	5-Oct-14		<0.0005	<0.0005	<0.0005	<0.0005	<0.1	<0.1	
	6-Aug-15		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	
	5-Oct-17		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	
	29-Oct-18		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1	
23-Oct-19		<0.0005	<0.0003	<0.0005	<0.0005	<0.1	<0.1		

Shaded values exceed applicable Tier 2 guidelines



ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

APPENDIX C: ORIGINAL LABORATORY REPORT

19-00604-00



2910 12TH STREET NE
CALGARY, ALBERTA
CANADA T2E 7P7
TEL (403)735-2005
FAX (403)735-2771
<http://www.agatlabs.com>

CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.
401 -9 AVE SW
CALGARY, AB T2P3C5
(403) 233-4000

ATTENTION TO: Ben Pratt

PROJECT: 19-00604 / Village of Marwayne

AGAT WORK ORDER: 19C535960

TRACE ORGANICS REVIEWED BY: Elena Gorobets, Report Writer

DATE REPORTED: Oct 30, 0219

PAGES (INCLUDING COVER): 20

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (403) 735-2005

*NOTES

All samples will be disposed of within 30 days following analysis. Please contact the lab if you require additional sample storage time.

AGAT Laboratories (V1)

Member of: Association of Professional Engineers and Geoscientists of Alberta (APEGA)
Western Enviro-Agricultural Laboratory Association (WEALA)
Environmental Services Association of Alberta (ESAA)

Page 1 of 20

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. Measurement Uncertainty is not taken into consideration when stating conformity with a specified requirement.

*Results relate only to the items tested. Results apply to samples as received.
All reportable information as specified by ISO 17025:2017 is available from AGAT Laboratories upon request*



Certificate of Analysis

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

2910 12TH STREET NE
 CALGARY, ALBERTA
 CANADA T2E 7P7
 TEL (403)735-2005
 FAX (403)735-2771
 http://www.agatlabs.com

CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

ATTENTION TO: Ben Pratt

SAMPLING SITE:

SAMPLED BY:

CPC - Petroleum Hydrocarbons (BTEXS/F1) in Water

DATE RECEIVED: 2019-10-25

DATE REPORTED: 0219-10-30

Parameter	Unit	SAMPLE DESCRIPTION:		Trip Blank
		G / S	RDL	Water
		SAMPLE TYPE:		
		DATE SAMPLED:		
				654220
Benzene	mg/L	0.005	0.0005	<0.0005
Toluene	mg/L	0.024	0.0003	<0.0003
Ethylbenzene	mg/L	0.0016	0.0005	<0.0005
Xylenes	mg/L	0.02	0.0005	<0.0005
Styrene	mg/L	0.072	0.0005	<0.0005
C6 - C10 (F1)	mg/L		0.1	<0.1
C6 - C10 (F1 minus BTEX)	mg/L	2.2	0.1	<0.1
Surrogate	Unit	Acceptable Limits		
Toluene-d8 (BTEX)	%	50-150		96

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Alberta Tier 1 - Residential/ Parkland - Fine
 Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

654220 The F1 (C6 - C10) fraction is determined by integrating the FID chromatogram from the beginning of the nC6 peak to the apex of the last nC10 peak.
 The C6 - C10 fraction is calculated from the FID toluene response factor.
 Quality control for the calibration follows the guidelines set out in the CCME Contaminated Sites Method for Soils.
 C6 -C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
 Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylenes + o-Xylene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
 Extraction and holding times were met for this sample.

Analysis performed at AGAT Calgary (unless marked by *)

Certified By: Elena Gorobets



Certificate of Analysis

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

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CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

ATTENTION TO: Ben Pratt

SAMPLING SITE:

SAMPLED BY:

CPC - Petroleum Hydrocarbons (BTEXS/F1-F2) in Water

DATE RECEIVED: 2019-10-25

DATE REPORTED: 0219-10-30

Parameter	Unit	SAMPLE DESCRIPTION:		MW11-2D	MW05-3A	MW11-3D	MW08-8A	MW15-20A	MW08-9A	MW08-10A	MW08-11A
		SAMPLE TYPE:		Water	Water	Water	Water	Water	Water	Water	Water
		DATE SAMPLED:		2019-10-24 15:15	2019-10-23 16:00	2019-10-23 15:50	2019-10-23 14:54	2019-10-24 12:30	2019-10-23 09:45	2019-10-23 10:50	2019-10-24 11:29
		G / S	RDL	654207	654210	654211	654212	654213	654214	654215	654216
Benzene	mg/L	0.005	0.0005	0.0064	<0.0005	<0.0005	<0.0005	<0.0005	0.0713	0.249	0.0936
Toluene	mg/L	0.024	0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0172	0.381*	0.0084
Ethylbenzene	mg/L	0.0016	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.212	0.497	0.0305
Xylenes	mg/L	0.02	0.0005	0.0009	<0.0005	<0.0005	<0.0005	<0.0005	0.386	1.71	0.0115
Styrene	mg/L	0.072	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
C6 - C10 (F1)	mg/L		0.1	<0.1	<0.1	<0.1	<0.1	<0.1	3.4	4.9	0.3
C6 - C10 (F1 minus BTEX)	mg/L	2.2	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2.7	2.1	0.2
C10 - C16 (F2)	mg/L	1.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	1.3*	0.9	<0.1
Surrogate	Unit	Acceptable Limits									
Toluene-d8 (BTEX)	%	50-150		99	97	97	99	99	104	105	101
o-Terphenyl (F2)	%	50-150		100	100	100	101	100	100	101	100
		SAMPLE DESCRIPTION:		MW08-12A	MW15-20D	Dup-2					
		SAMPLE TYPE:		Water	Water	Water					
		DATE SAMPLED:		2019-10-23 10:05	2019-10-24 12:13	2019-10-24					
		G / S	RDL	654217	654218	654219					
Benzene	mg/L	0.005	0.0005	<0.0005	<0.0005	<0.0005					
Toluene	mg/L	0.024	0.0003	<0.0003	<0.0003	<0.0003					
Ethylbenzene	mg/L	0.0016	0.0005	<0.0005	<0.0005	<0.0005					
Xylenes	mg/L	0.02	0.0005	<0.0005	<0.0005	<0.0005					
Styrene	mg/L	0.072	0.0005	<0.0005	<0.0005	<0.0005					
C6 - C10 (F1)	mg/L		0.1	<0.1	<0.1	<0.1					
C6 - C10 (F1 minus BTEX)	mg/L	2.2	0.1	<0.1	<0.1	<0.1					
C10 - C16 (F2)	mg/L	1.1	0.1	<0.1	<0.1	<0.1					
Surrogate	Unit	Acceptable Limits									
Toluene-d8 (BTEX)	%	50-150		97	97	98					
o-Terphenyl (F2)	%	50-150		101	100	100					

Certified By:

Elena Gorobets



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

2910 12TH STREET NE
CALGARY, ALBERTA
CANADA T2E 7P7
TEL (403)735-2005
FAX (403)735-2771
<http://www.agatlabs.com>

CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

ATTENTION TO: Ben Pratt

SAMPLING SITE:

SAMPLED BY:

CPC - Petroleum Hydrocarbons (BTEXS/F1-F2) in Water

DATE RECEIVED: 2019-10-25

DATE REPORTED: 0219-10-30

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to Alberta Tier 1 - Residential/ Parkland - Fine
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.
•Based on your analytical results; further analytical to characterize biogenic contributions may support more complete site information

654207-654219 The F1 (C6 - C10) fraction is determined by integrating the FID chromatogram from the beginning of the nC6 peak to the apex of the last nC10 peak.
The C6 - C10 fraction is calculated from the FID toluene response factor.
The F2 (C10 - C16) fraction is determined by integrating the FID chromatogram from the apex of the nC10 peak to the apex of the nC16 peak.
The F2 (C10 - C16) fraction is calculated using the average response factor for nC10, nC16, and nC34.
Quality control for the calibration follows the guidelines set out in the CCME Contaminated Sites Method for Soils.
C6 - C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
C>10 - C16 (F2- Naphthalene) is a calculated parameter. The calculated value is F2 - Naphthalene (if requested).
Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylenes + o-Xylene. The calculated parameter is non-accredited. The parameters that are components of the calculation are accredited.
Extraction and holding times were met for this sample.

Analysis performed at AGAT Calgary (unless marked by *)

Certified By:

Elena Gorobets



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 FAX (403)735-2771
<http://www.agatlabs.com>

Quality Assurance

CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

SAMPLING SITE:

SAMPLED BY:

Trace Organics Analysis

RPT Date: Oct 30, 0219			DUPLICATE			Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD		Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
CPC - Petroleum Hydrocarbons (BTEXS/F1-F2) in Water															
Benzene	3912	646988	<0.0005	<0.0005	NA	< 0.0005	114%	80%	120%	116%	80%	120%	116%	70%	130%
Toluene	3912	646988	<0.0003	<0.0003	NA	< 0.0003	109%	80%	120%	103%	80%	120%	102%	70%	130%
Ethylbenzene	3912	646988	<0.0005	<0.0005	NA	< 0.0005	95%	80%	120%	90%	80%	120%	89%	70%	130%
Xylenes	3912	646988	<0.0005	<0.0005	NA	< 0.0005	98%	80%	120%	88%	80%	120%	87%	70%	130%
Styrene	3912	646988	<0.0005	<0.0005	NA	< 0.0005	81%	80%	120%	82%	80%	120%	80%	70%	130%
C6 - C10 (F1)	3912	646988	<0.1	<0.1	NA	< 0.1	97%	80%	120%	115%	80%	120%	101%	70%	130%
C10 - C16 (F2)	126	654217	<0.1	<0.1	NA	< 0.1	97%	80%	120%	82%	80%	120%	100%	70%	130%

Comments: If the RPD value is NA, the results of the duplicates are under 5X the RDL and will not be calculated. The sample spikes and dups are not from the same sample ID.

Certified By: Elena Gorobets

AGAT QUALITY ASSURANCE REPORT (V1)

Page 5 of 20

AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

Results relate only to the items tested. Results apply to samples as received.



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Method Summary

CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
Benzene	TO 0540	EPA SW-846 5021 & 8260	GC/MS
Toluene	TO 0540	EPA SW-846 5021 & 8260	GC/MS
Ethylbenzene	TO 0540	EPA SW-846 5021 & 8260	GC/MS
Xylenes	TO 0540	EPA SW-846 5021 & 8260	GC/MS
Styrene	TO 0540	EPA SW-846 5021 & 8260	GC/MS
C6 - C10 (F1)	TO 0540	CCME Tier 1 Method	GC/FID
C6 - C10 (F1 minus BTEX)	TO 0540	CCME Tier 1 Method	GC/FID
Toluene-d8 (BTEX)	TO-0543	EPA SW-846 5021 & 8260	GC/MS
C10 - C16 (F2)	TO 0511	CCME Tier 1 Method	GC/FID
o-Terphenyl (F2)	TO 0511	CCME Tier 1 Method	GC/FID



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Chromatogram Image

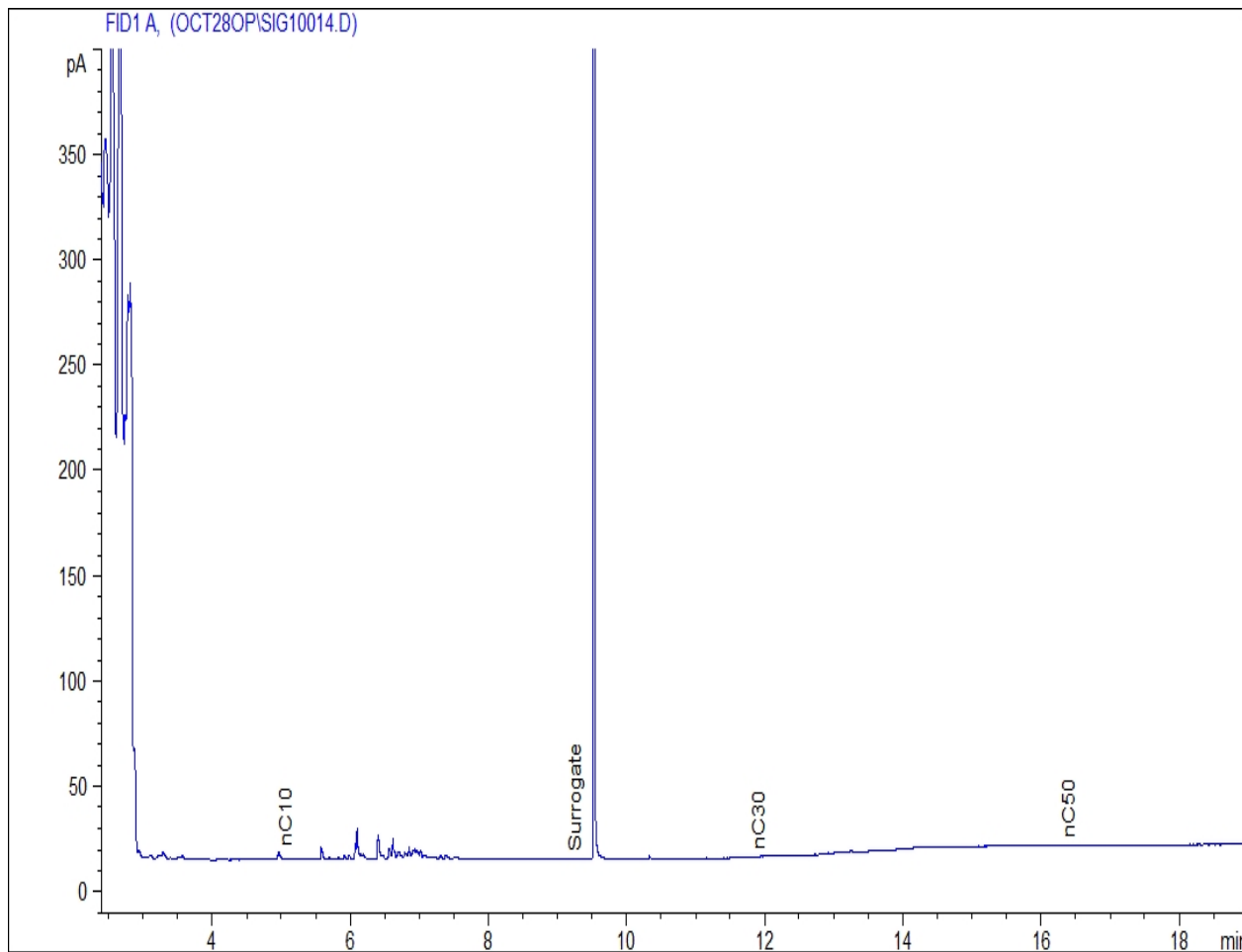
CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

IMAGE001: 654207, MW11-2D





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Chromatogram Image

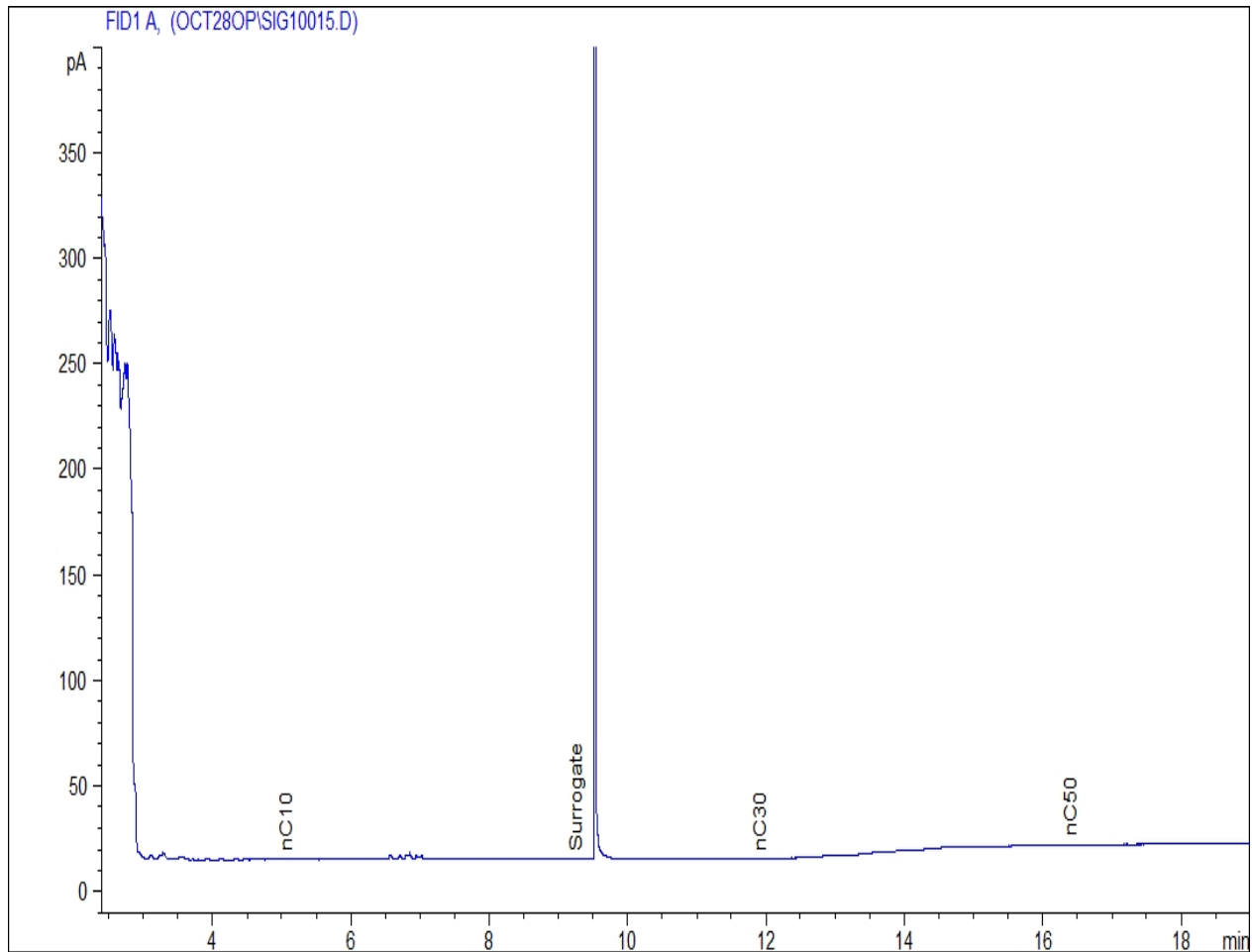
CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

IMAGE002: 654210, MW05-3A





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Chromatogram Image

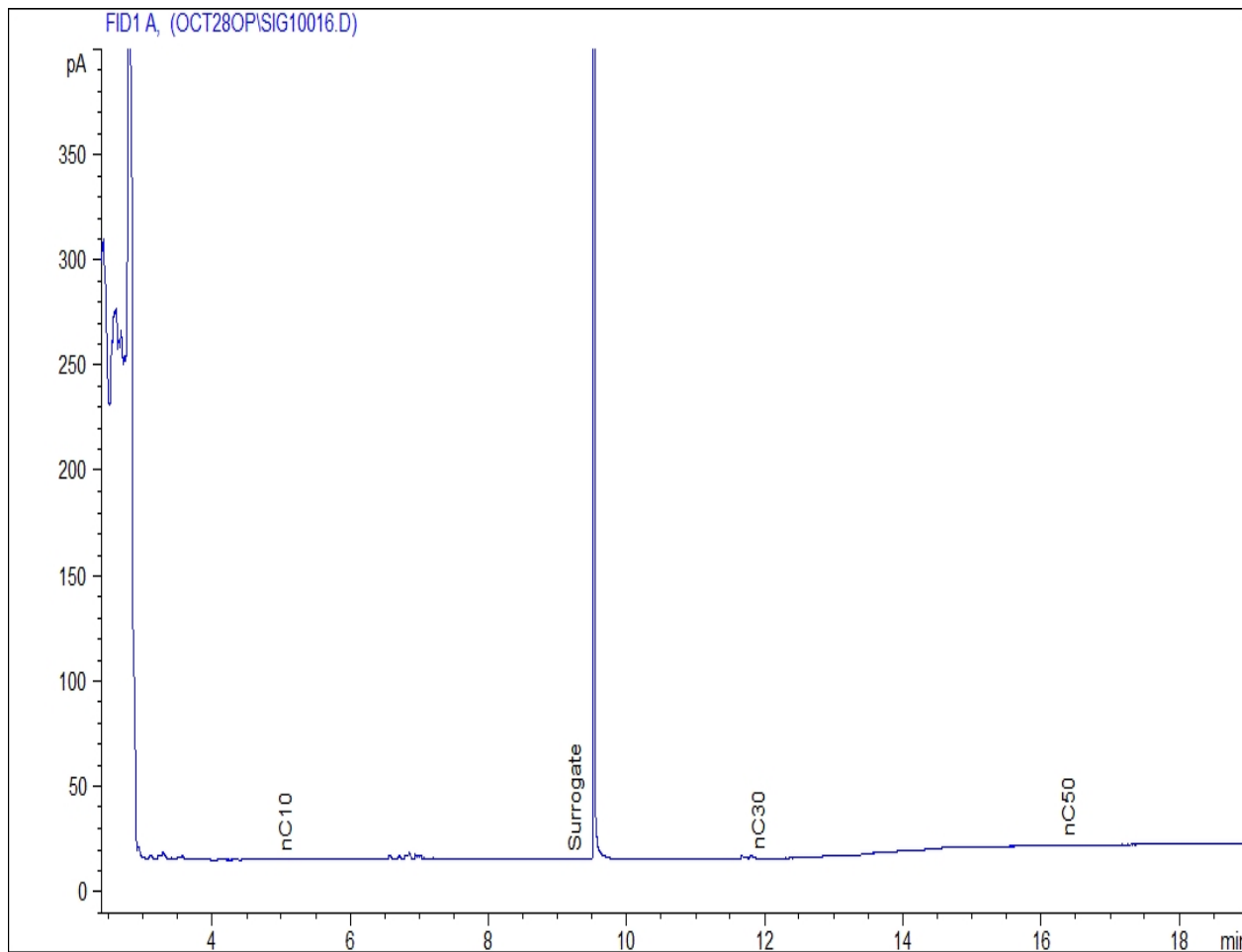
CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

IMAGE003: 654211, MW11-3D





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Chromatogram Image

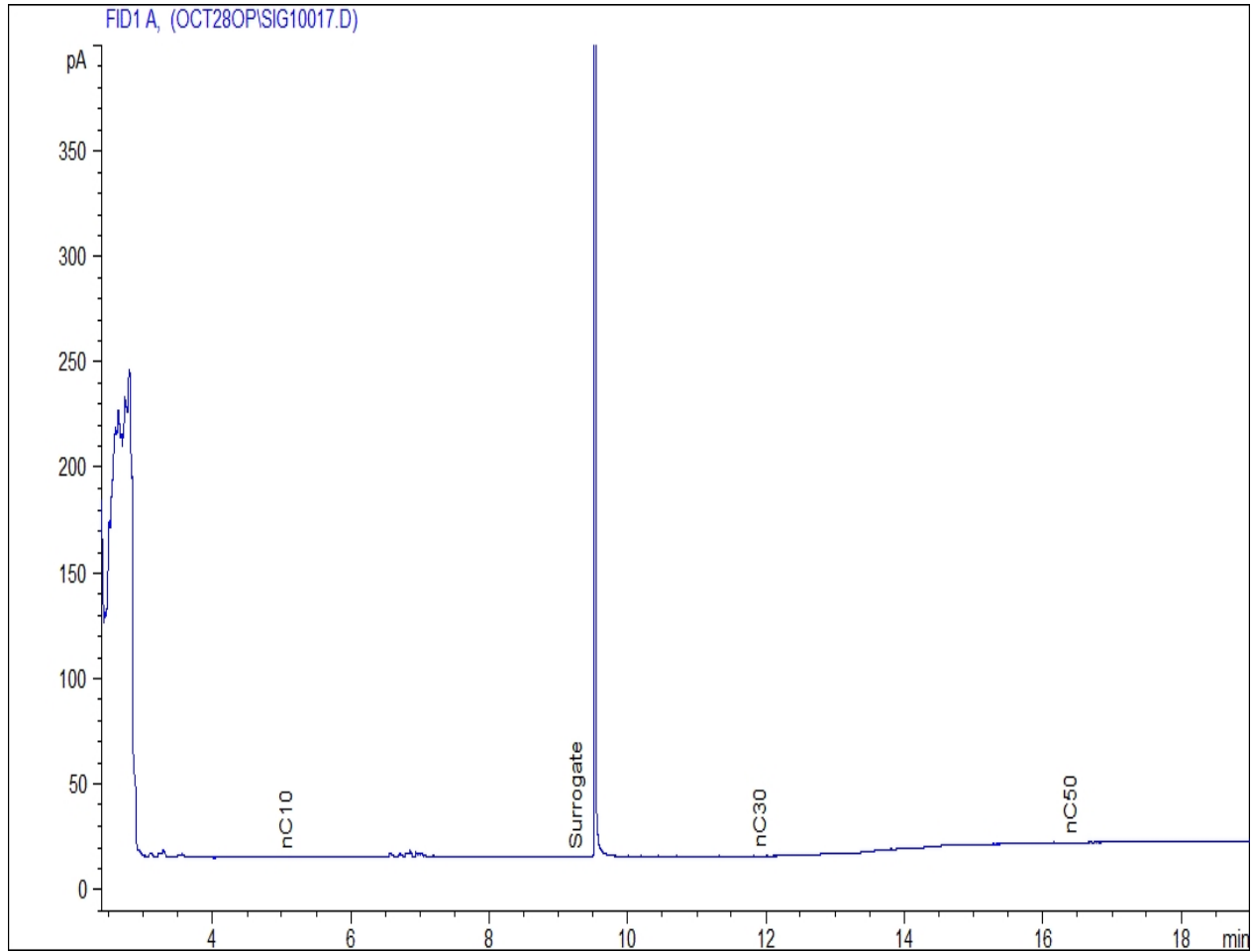
CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

IMAGE004: 654212, MW08-8A





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Chromatogram Image

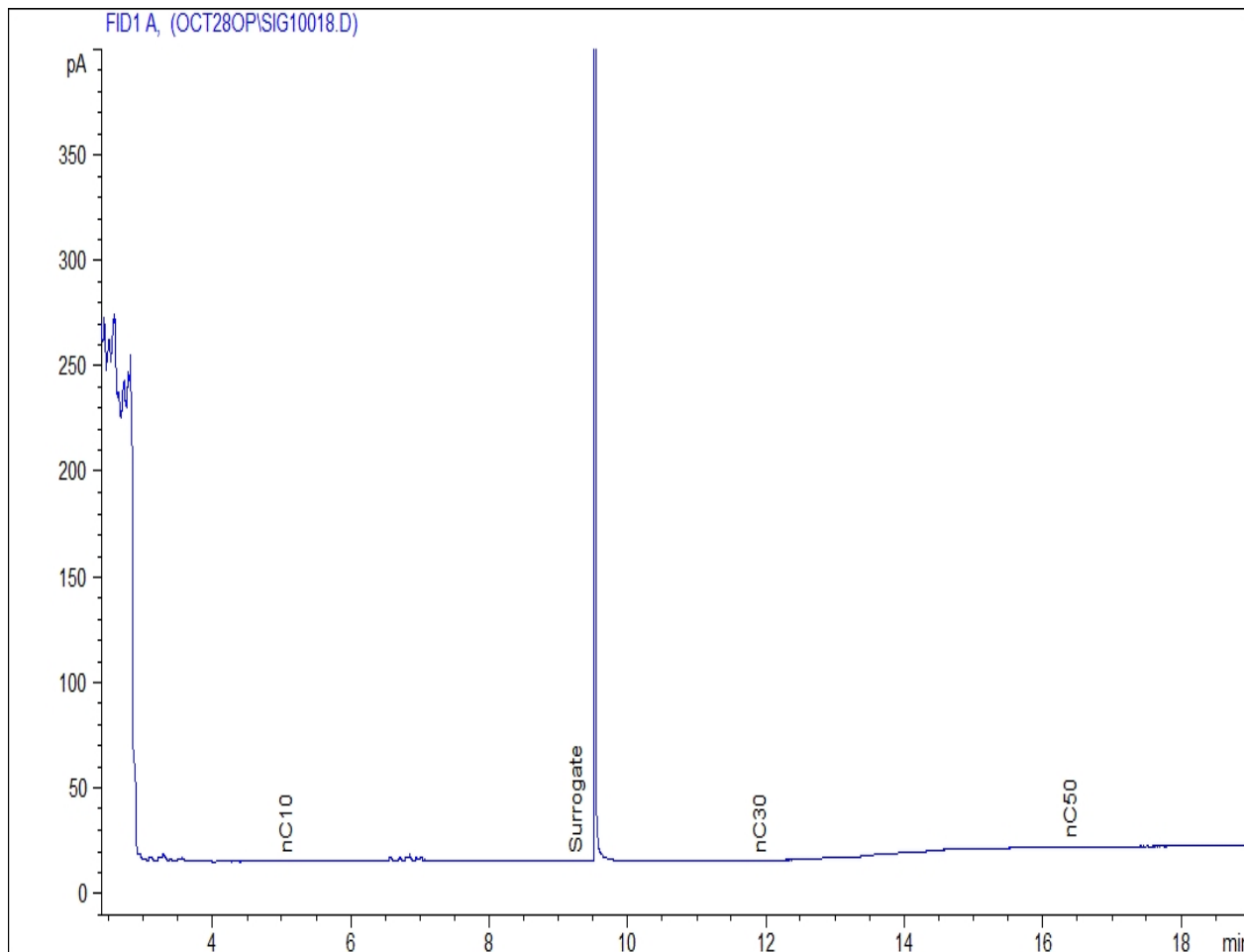
CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

IMAGE005: 654213, MW15-20A





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Chromatogram Image

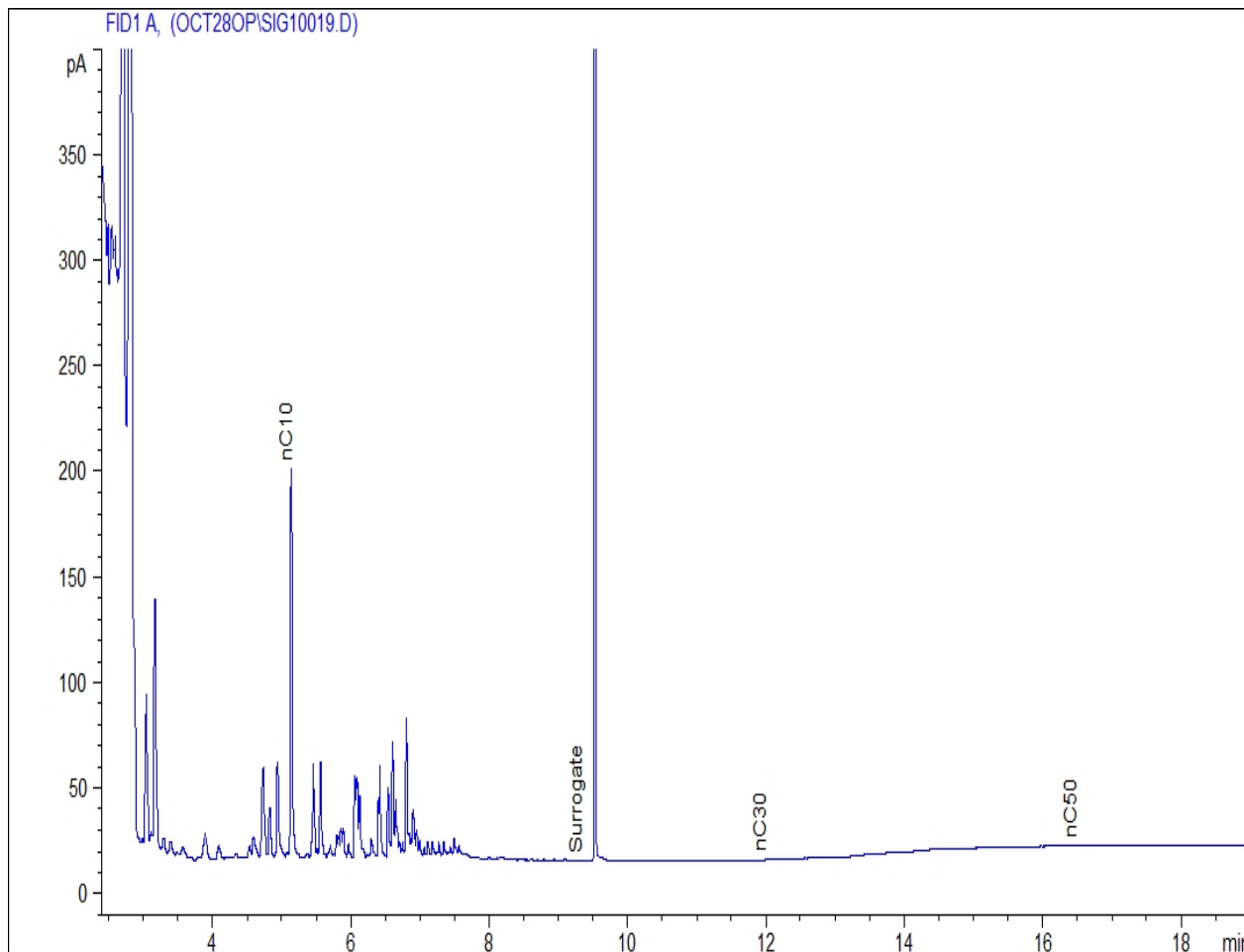
CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

IMAGE006: 654214, MW08-9A





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Chromatogram Image

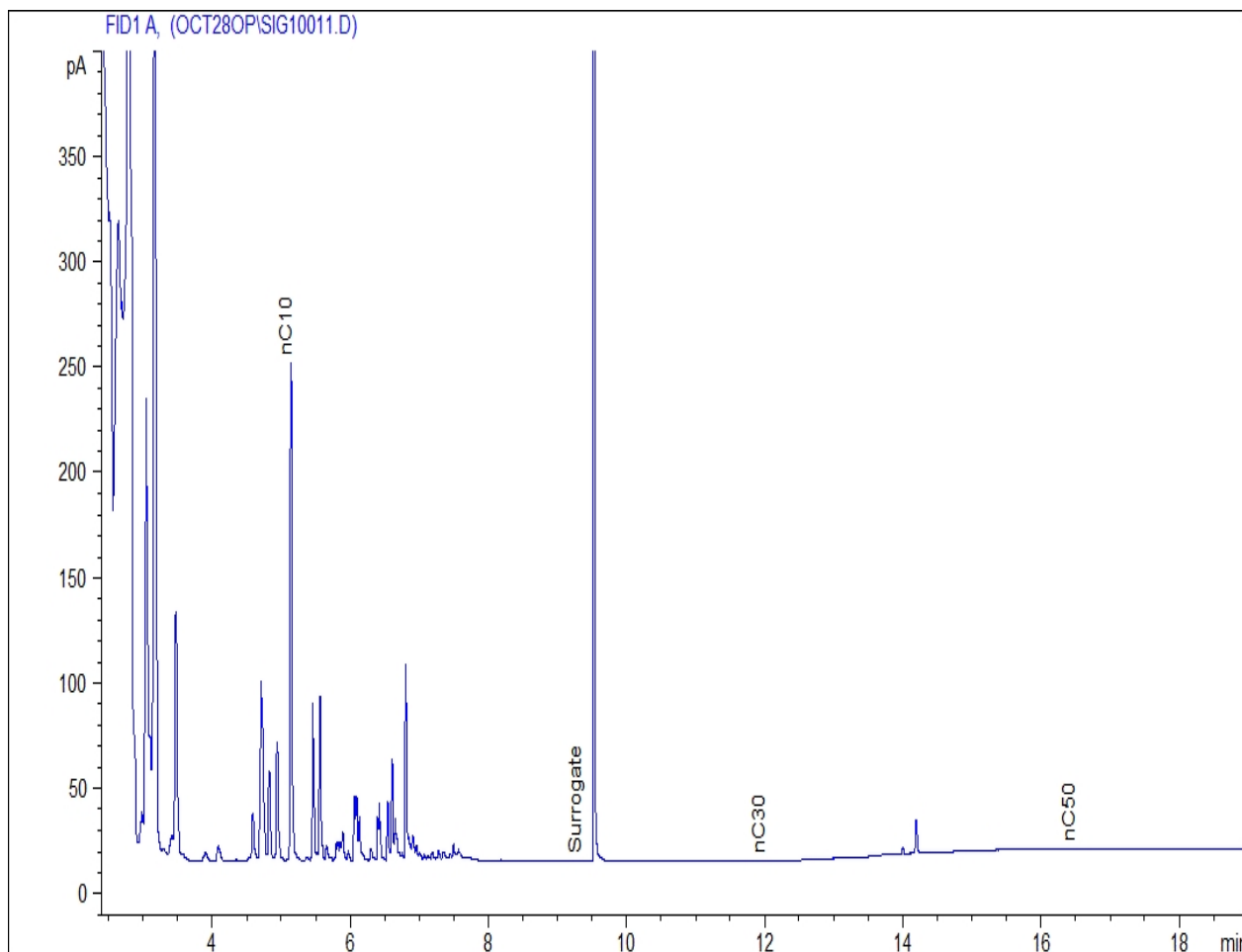
CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

IMAGE007: 654215, MW08-10A





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Chromatogram Image

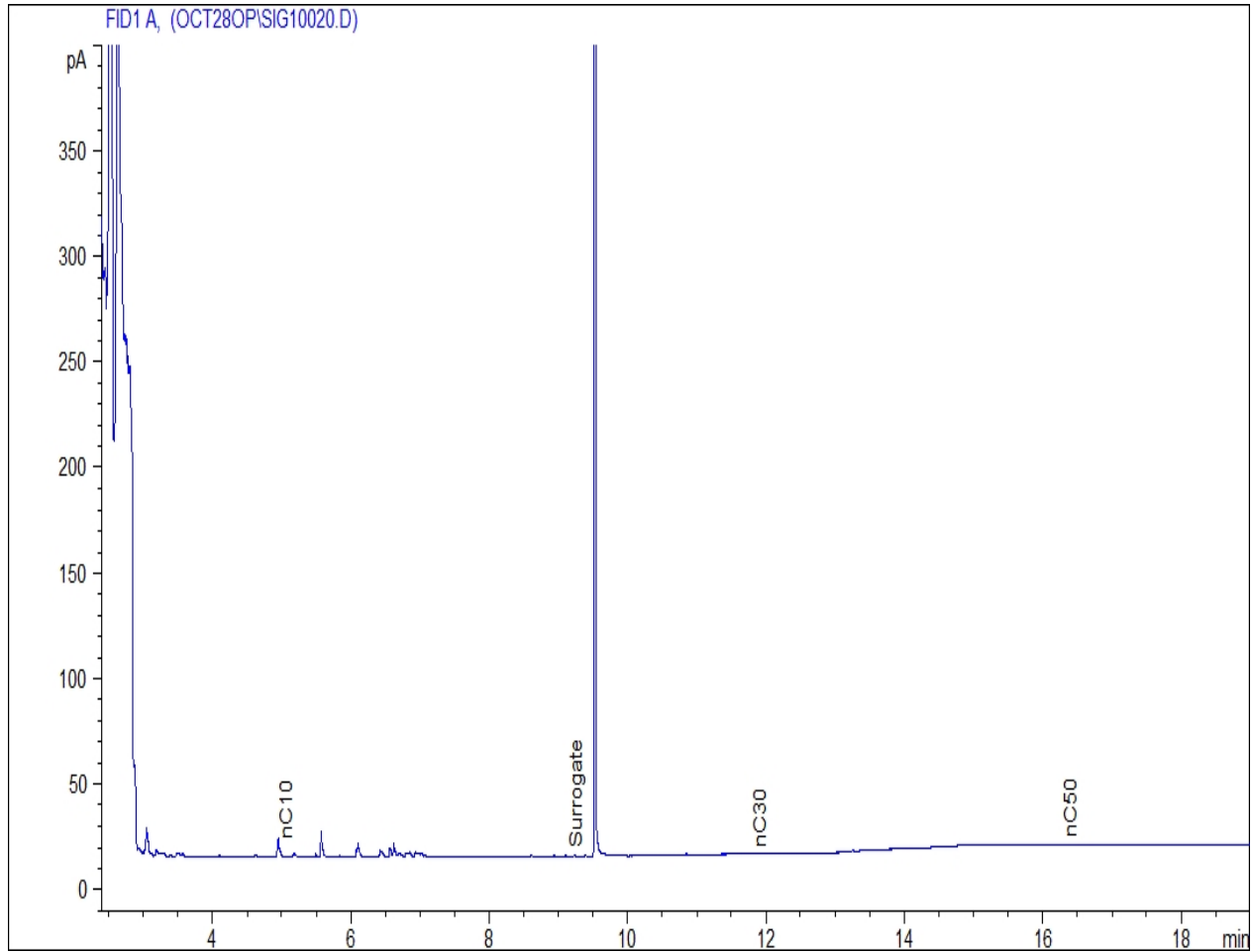
CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

IMAGE008: 654216, MW08-11A





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Chromatogram Image

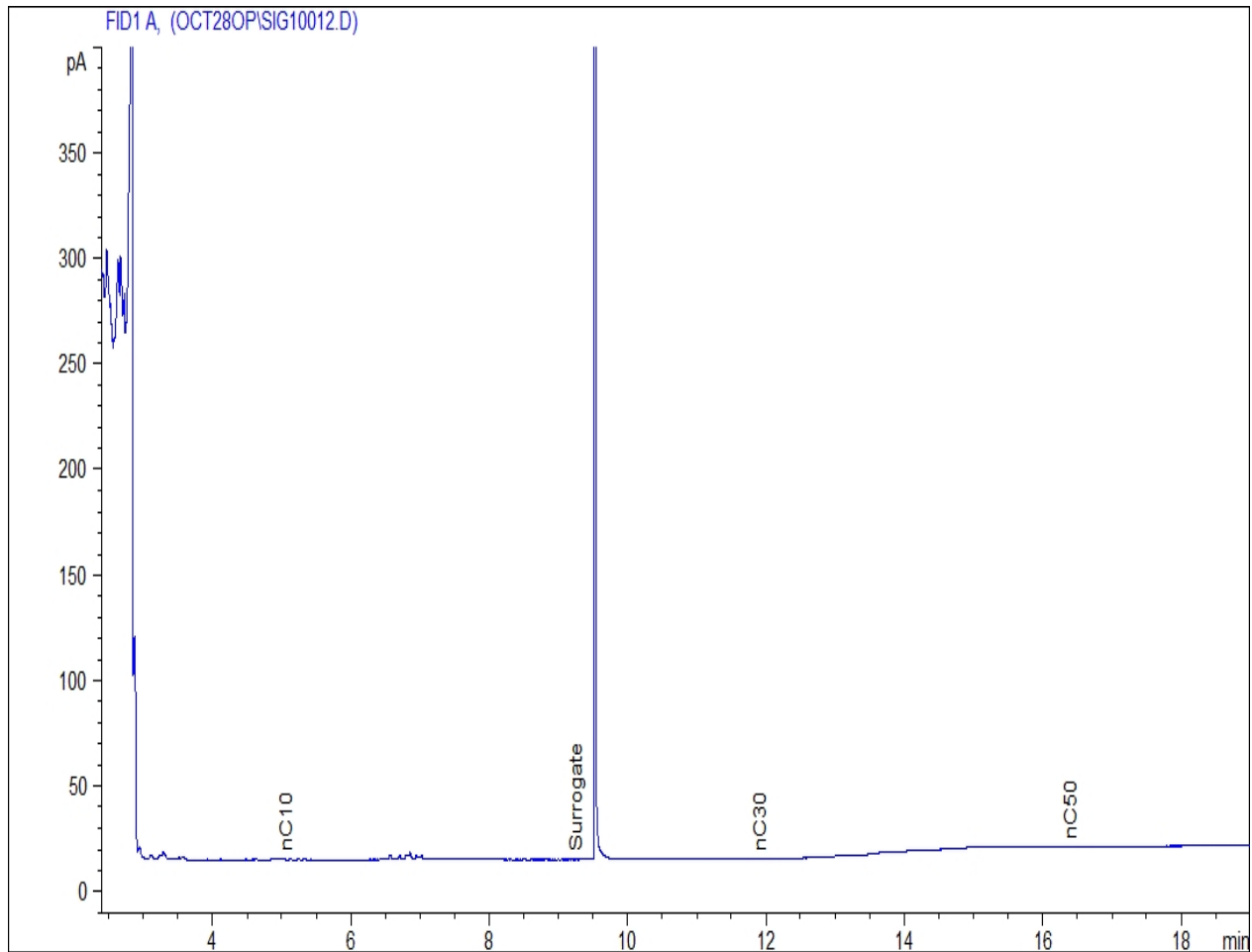
CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

IMAGE009: 654217, MW08-12A





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Chromatogram Image

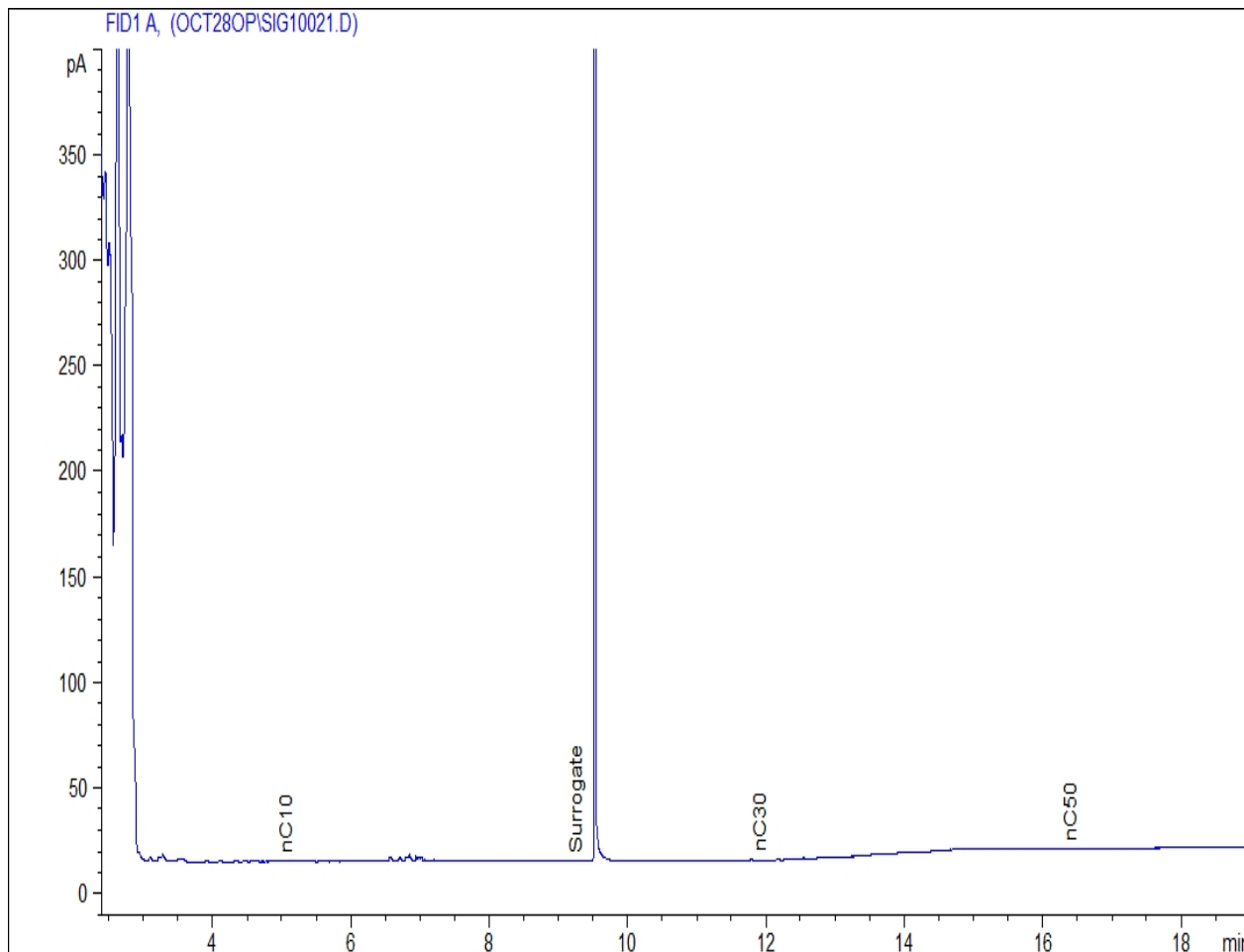
CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

IMAGE010: 654218, MW15-20D





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Chromatogram Image

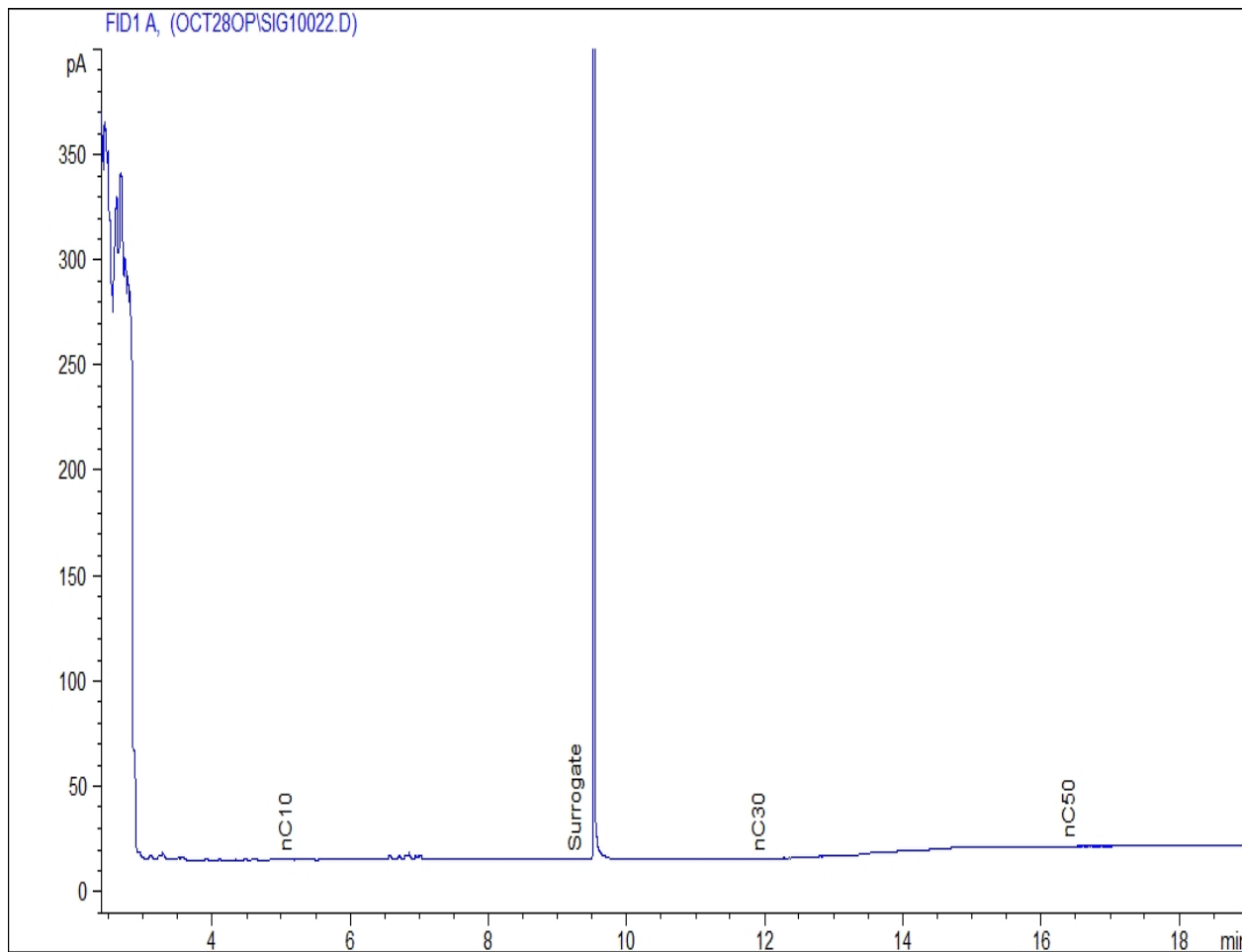
CLIENT NAME: CONOCOPHILLIPS CANADA RES. CORP.

AGAT WORK ORDER: 19C535960

PROJECT: 19-00604 / Village of Marwayne

ATTENTION TO: Ben Pratt

IMAGE011: 654219, Dup-2





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Laboratory Use Only

Arrival Temperature: 19.83°C
 AGAT Job Number: 19037900
 Date and Time:

Chain of Custody Record

Emergency Support Services Hotline 1-855-AGAT 245 (1-855-242-8245)

Report Information

Company: Millennium EMS Solutions
 Contact: Ben Pratt
 Address: Suite 202, 701 - 64 Avenue SE
 Calgary, AB
 Phone: 403-510-5153 Fax:
 LSD: Village of Marwayne (Lots 2 and 3, Block 7, Plan 3194 ET
 Client Project #: including adjacent easements) Project 19-00604
 Sampled By: J.Yick & L.Axelson

Report Information

1. Name: Ben Pratt
 Email: bpratt@mems.ca
 2. Name: Lab Data
 Email: labdata@mems.ca
 3. Name:
 Email: 1

Turnaround Time Required (TAT)

Regular TAT 5 to 7 Business Days
 <24 Hours (200%)
 Rush TAT Two Day / Next Day (100%)
 Three Day (50%)
 Four Day (25%)
 Date Required:

SEE BACK FOR SURCHARGE BREAKDOWN. CONTACT YOUR CPM FOR ADDITIONAL INFORMATION

Invoice To Same Yes / No

Company: CPC c/o MEMS
 Contact:
 Address:
 Phone: Fax:
 PO/AFE#:
 Standing Offer #:

Requirements (Selection may impact detection limits)

CCME AB Tier 1

Agricultural Industrial
 Residential/Park Residential/Park
 Commercial Commercial
 FWAL Natural Area
 Drinking Water Alberta Surface Water
 Other: Chronic Acute

Report Format

Single Sample Per Page
 Multiple Samples Per Page
 Export
 EsDat

Detailed Salinity: <input type="checkbox"/> AB <input type="checkbox"/> SK <input type="checkbox"/> BC <input type="checkbox"/> d50	
<input type="checkbox"/> CCME/AB : BTEX/F1-F4	<input checked="" type="checkbox"/> CCME/AB : BTEX/F1-F2
<input type="checkbox"/> BC: BTEX/MPH/EPH	<input type="checkbox"/> BC: LEPH/HEPH
<input type="checkbox"/> SK: BTEX/TVH/C11-C22, C23-C60	
<input type="checkbox"/> Soil Metals: <input type="checkbox"/> HWS-B <input type="checkbox"/> SP-B <input type="checkbox"/> Hg <input type="checkbox"/> Cr ⁶⁺	
<input type="checkbox"/> Water Metals: <input type="checkbox"/> Dissolved <input type="checkbox"/> Total <input type="checkbox"/> Hg <input type="checkbox"/> Cr ⁶⁺	
Routine Water Chemistry	
Landfill: <input type="checkbox"/> AB Class 2 <input type="checkbox"/> BC <input type="checkbox"/> SK	
Coliforms: <input type="checkbox"/> Total <input type="checkbox"/> Fecal <input type="checkbox"/> E.coli	
Particle Size: <input type="checkbox"/> Sieve (75µm) <input type="checkbox"/> Texture	
HOLD FOR 30 DAYS NO ANALYSIS (Additional Fee)	
HOLD FOR 30 DAYS AFTER ANALYSIS (Additional Fee)	

LABORATORY USE (LAB ID #)	SAMPLE IDENTIFICATION	DEPTH	DATE/TIME SAMPLED	SAMPLE MATRIX	COMMENTS (FILTERED, PRESERVED, HAZARDOUS*) *ADDITIONAL FEE	# OF CONTAINERS			
						VALS / JARS	BAVS	BOTTLES	
1 <u>210</u>	MW11-2D		Oct 24/19 15:15	GW		2		2	<input checked="" type="checkbox"/>
2 <u>211</u>	MW05-3A		Oct 23/19 16:00	GW		2		2	<input checked="" type="checkbox"/>
3 <u>212</u>	MW11-3D		Oct 23/19 15:50	GW		2		2	<input checked="" type="checkbox"/>
4 <u>213</u>	MW08-8A		Oct 23/19 14:54	GW		2		2	<input checked="" type="checkbox"/>
5 <u>214</u>	MW15-20A		Oct 24/19 12:30	GW		2		2	<input checked="" type="checkbox"/>
6 <u>215</u>	MW08-9A		Oct 23/19 09:45	GW		2		2	<input checked="" type="checkbox"/>
7 <u>216</u>	MW08-10A		Oct 23/19 10:50	GW		2		2	<input checked="" type="checkbox"/>
8 <u>217</u>	MW08-11A		Oct 24/19 11:29	GW		2		2	<input checked="" type="checkbox"/>
9 <u>218</u>	MW08-12A		Oct 23/19 10:05	GW		2		2	<input checked="" type="checkbox"/>
10	MW15-20D		Oct 24/19 12:13	GW		2		2	<input checked="" type="checkbox"/>

Samples Relinquished By (Print Name and Sign): Jenn Yick	Date/Time: 25 OCT 2019 21:30	Samples Received By (Print Name and Sign): 	Date/Time: 25 Oct 2019 11:05 pm	Pink Copy - Client	Page 1 of 2
Samples Relinquished By (Print Name and Sign):	Date/Time:	Samples Received By (Print Name and Sign):	Date/Time:	Yellow Copy - AG/	
Samples Relinquished By (Print Name and Sign):	Date/Time:	Samples Received By (Print Name and Sign):	Date/Time:	White Copy - AGA	

Document ID: DIV 50-1507.005.

C 41991

Date Revised: May 10, 2018



AGAT Laboratories

19083196

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 Calgary, Alberta T2E 7P7
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 webearth.agatlabs.com

Chain of Custody Record

Emergency Support Services Hotline 1-855-AGAT 245 (1-855-242-8245)

Report to:

Company: Millennium EMS Solutions

Same as COC#:

LABORATORY USE (LAB ID #)	SAMPLE IDENTIFICATION	DEPTH	DATE/TIME SAMPLED	SAMPLE MATRIX	COMMENTS (FILTERED, PRESERVED, HAZARDOUS*) *ADDITIONAL FEE	# OF CONTAINERS			
						WALS / JARS	BOGS	WALS	BOTTLES
1 <i>C4192</i>	DUP-2		Oct 24/2019	GW		2		2	
2 <i>270</i>	Trip Blank		-	GW		2			
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

Detailed Salinity: AB SK BC D50
 C/CM/AB : BTEX/F1/F4 C/CM/AB : BTEX /F1/F2
 BC: BTEX/MPH/EPH BC: LEPH/HEPH
 SK: BTEX/TVH/C11-C22, C23-C60
 Soil Metals: HWS-B SP-B Hg Cr⁶⁺
 Water Metals: Dissolved Total Hg Cr⁶⁺
 Routine Water Chemistry
 Landfill: AB Class 2 BC SK
 Coliforms: Total Fecal E.coli
 Particle Size: Sieve (75µm) Texture
 BTEX/F1

HOLD FOR 30 DAYS NO ANALYSIS (Additional Fee)
 HOLD FOR 30 DAYS AFTER ANALYSIS (Additional Fee)

Samples Relinquished By (Print Name and Sign): Jenn Yick	Date/Time: 25 OCT 2019	Samples Received By (Print Name and Sign): <i>E. GARCIA</i>	Date/Time:
Samples Relinquished By (Print Name and Sign): <i>[Signature]</i>	Date/Time: 21:30	Samples Received By (Print Name and Sign): <i>[Signature]</i>	Date/Time:
Samples Relinquished By (Print Name and Sign):	Date/Time:	Samples Received By (Print Name and Sign):	Date/Time:

Document ID: DIV 50 1507.005.

Page 2 of 2

Pink Copy - Client
 Yellow Copy - AGAT
 White Copy - AGAT

C 41992

Date Revised: May 10, 2018



AGAT Laboratories

SAMPLE INTEGRITY RECEIPT FORM

4.5°C

RECEIVING BASICS - Shipping

Company/Consultant: CPC / INMAC
 Courier: b/b Prepaid Collect
 Waybill# -
 Branch: EDM GP FN FM RD VAN LYD FSJ EST Other: C
 If multiple sites were submitted at once: Yes No
 Custody Seal Intact: Yes No NA
 TAT: <24hr 24-48hr 48-72hr Rég Other _____
 Cooler Quantity: 3

TIME SENSITIVE ISSUES - Shipping

ALREADY EXCEEDED HOLD TIME? Yes No
 Inorganic Tests (Please Circle): Mibi, BOD, Nitrate/Nitrite, Turbidity, Microtox, Ortho PO4, Tedlar Bag, Residual Chlorine, Chlorophyll*, Chloroamines*
 Earliest Expiry: _____
 Hydrocarbons: Earliest Expiry w/ methanol vials

SAMPLE INTEGRITY - Shipping

Hazardous Samples: YES NO Precaution Taken: NIK
 Legal Samples: Yes No
 International Samples: Yes No
 Tape Sealed: Yes No
 Coolant Used: Icpack Bagged Ice Free Ice Free Water None

Temperature (Bottles/Jars only) N/A if only Soil Bags Received

FROZEN (Please Circle if samples received Frozen)

1 (Bottle/Jar) 1.5 + 6 = 5.0 °C 2 (Bottle/Jar) 3.0 + 3.5 + 4.0 = 3.5 °C
 3 (Bottle/Jar) 6 + 5 + 4 = 5.0 °C 4 (Bottle/Jar) _____ °C
 5 (Bottle/Jar) _____ °C 6 (Bottle/Jar) _____ °C
 7 (Bottle/Jar) _____ °C 8 (Bottle/Jar) _____ °C
 9 (Bottle/Jar) _____ °C 10 (Bottle/Jar) _____ °C
 (If more than 10 coolers are received use another sheet of paper and attach)

LOGISTICS USE ONLY

Workorder No: 19035960
 Samples Damaged: Yes No If YES why?
 No Bubble Wrap Frozen Courier
 Other: _____
 Account Project Manager: _____ have they been notified of the above issues: Yes No
 Whom spoken to: _____ Date/Time: _____
 CPM Initial _____
 General Comments: Samples mixed in 3 coolers

* Subcontracted Analysis (See CPM)



ConocoPhillips Canada Resources Corp.
Former BA Oil Bulk Plant (Outlet #28394)
Village of Marwayne, AB
May 27, 2020

**APPENDIX D: MILLENNIUM EMS SOLUTIONS
THIRD PARTY RELIANCE AGREEMENT**

19-00604-00

Third Party Reliance Agreement

PARTIES

This Agreement made this • day of • between:

and **Millennium EMS Solutions Ltd.**
#148, 2257 Premier Way
Sherwood Park, AB
T8H 2M8
Attn: Michaela Waldvogel-Smith
hereinafter called "**Millennium**"

Attn.:
hereinafter called "**Third Party**"

Background

Third Party wishes to rely on the information presented in the report entitled "2019 Groundwater Assessment – Former British American Oil Bulk Plant and Service Station (Outlet #28394), Marwayne, Alberta" ("**Report**") and prepared for "ConocoPhillips Canada Resources Corp." ("**Client**"). Millennium has agreed to allow the Third Party to rely on the contents of the Report based on the terms and conditions below. NOW THEREFORE, **in consideration for the opportunity to use the Report in accordance with the project objectives and scope of work identified in the Report, Third Party agrees as follows:**

1. **EXTENT OF AGREEMENT.** This Agreement represents the entire agreement between Millennium and Third Party and supersedes any prior negotiations, representations, or agreements, either written or oral. This Agreement may be altered only by written instrument signed by authorized representatives of both Third Party and Millennium.
2. **LIMITATIONS.** The limitations and assumptions stated in the Report in association with any closure statement continue to apply to the use of the Report by Third Party.
3. **CONFLICT OF INTEREST.** The Third Party may have an interest in the Report that conflicts with the interest of Client. Millennium takes no responsibility for claims, liabilities, damages or expenses that arise because of such conflict.
4. **NO WARRANTY.** Millennium expressly disclaims any and all warranties in connection with the Report. This disclaimer of warranties includes, without limitation, any warranty that the Report and any associated site investigation work has uncovered all potential environmental liabilities associated with the property that is the subject of the Report. Millennium disclaims any warranty of the completeness or accuracy of information supplied to Millennium that was relied upon in the preparation of the Report. Third Party waives any claim against Millennium, its officers, employees, agents, assignees and successors as a result of use by Third Party of the Report.
5. **INDEMNIFICATION.** Third Party agrees to defend, indemnify, protect and hold harmless Millennium and its officers, employees, agents, assignees and successors from any and all claims, liabilities, damages or expenses, including but not limited to delay of project commencement or completion, reduction of property value, fear of or actual exposure to or release of toxic or hazardous substances, or conflicts of interest, whether foreseeable or unforeseeable, which may arise directly or indirectly, to any party, as a result of use by Third Party of the Report.
6. **LIMITATION OF LIABILITY.** Notwithstanding any other provision of this Agreement, Third Party agrees to limit Millennium's and its officers, employees, agents, assignees, and successors liability due to professional negligence and to any liability arising out of or relating to this Agreement, to one thousand Canadian dollars (CAD\$1,000.00). Furthermore, Millennium shall not be liable for consequential, incidental or indirect damages as a result of use by Third Party of the Report.
7. **EXCLUSIVE USE.** Use of the Report, including all information and recommendations prepared or issued by Millennium within the Report or pertaining to the Report, are for the exclusive use of the Third Party. No other use is authorized, including distribution to any other party without Millennium's prior written consent, which may be arbitrarily withheld. Third Party releases Millennium from liability and agrees to defend, indemnify, protect and hold harmless Millennium and its officers, employees, agents, assignees and successors from any and all claims, liabilities, damages or expenses arising, in whole or in part, from such unauthorized distribution.

Third Party acknowledges that the terms and conditions above constitute a valid and binding agreement between Third Party and Millennium.

Name of Third Party:

By: _____

Title: _____

Date: _____



ConocoPhillips Canada
P.O. Box 130, Station M
401 – 9th Avenue S.W.
Calgary, Alberta T2P 2H7
(403) 233-4000

May 27, 2020

Village of Marwayne
Box 113
Marwayne, Alberta, T0B 2X0
cao.marwayne@mcsnet.ca

Attention: Ms. Shannon Harrower

RE: Former Gulf Bulk Plant and Service Station, Marwayne, AB

Please accept an electronic copy of results from the 2019 Groundwater Assessment Program completed on Lots 2/3, and the roadways within the Village of Marwayne. The Program was associated with the Former BA Oil Bulk Plant (Outlet #28394) and the Former Suncor Energy Service Station. The data summary letter was titled:

- Millennium EMS Solutions Inc., 2019 Groundwater Assessment – Former British American Oil Bulk Plant and Service Station (Outlet #28394), Marwayne, Alberta, dated May 27, 2020.

Please call should you have any further questions.

Sincerely,

A handwritten signature in black ink that reads "C Hydeman".

Cate Hydeman, PGeol
(403) 532-3724
cate.hydeman@contractor.conocophillips.com
Senior Remediation Coordinator
ConocoPhillips Canada

From: [Kelly Applegate](#)
To: [Shannon Harrower](#)
Subject: Re: Utilization of Village Water Well
Date: May 28, 2020 9:44:16 PM

Hi Shannon,
Minor Ball would like to buy the well that we are currently using. As per our conversation, we hope that the Village will sell it to us for a very reasonable price.

Thanks,
Kelly

Sent from my iPhone

On May 21, 2020, at 3:06 PM, Shannon Harrower <cao.marwayne@hmsinet.ca> wrote:

Good afternoon Kelly,

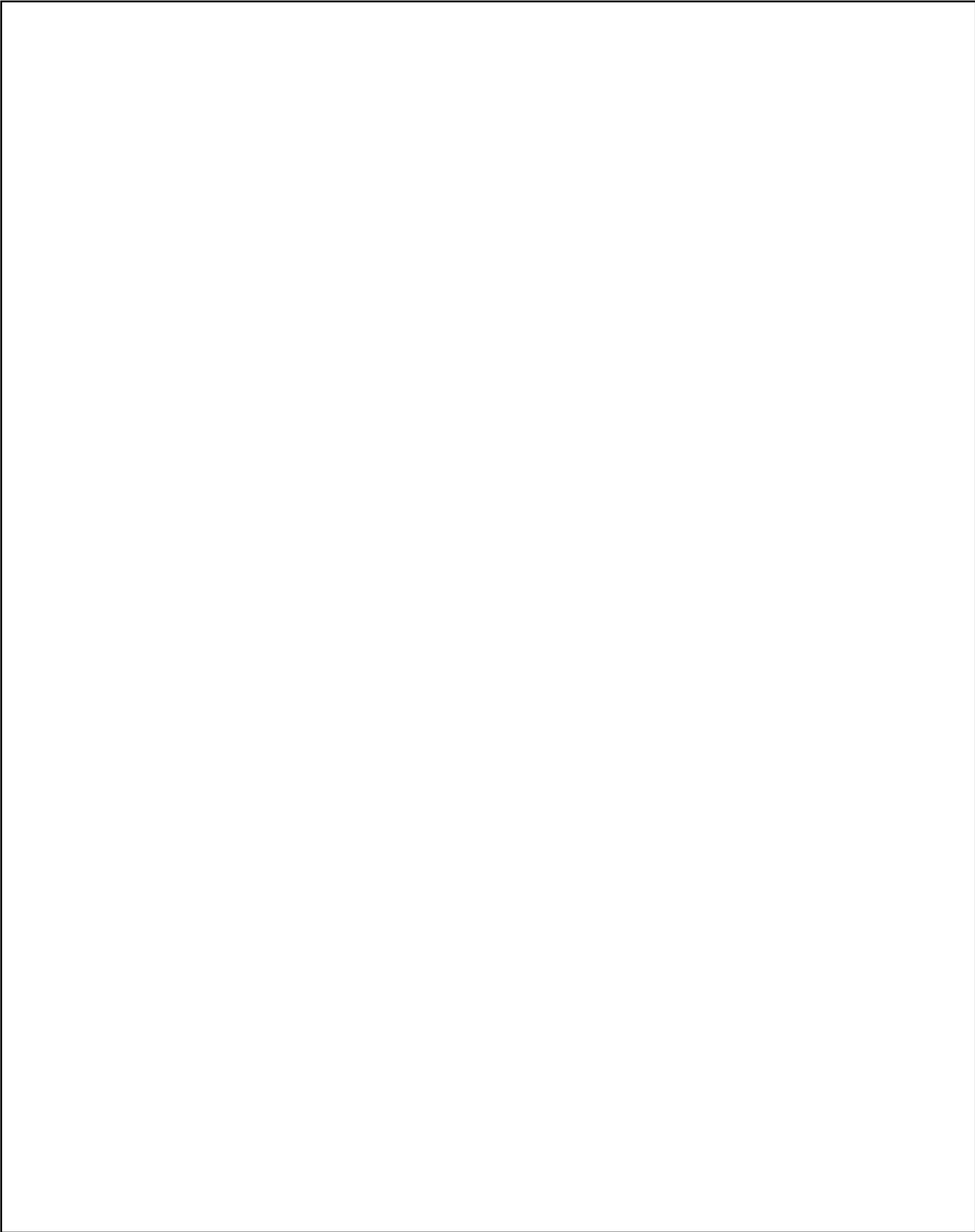
My name is Shannon Harrower and I am the new CAO for the Village of Marwayne. I received your contact information from Joanne Hughes at the AG Society whom advised that you would be my best point of contact in regards to the decommissioning of water well #3. As I understand it, minor ball currently utilizes water from Well #3 located by the water treatment plant during the summer months. However, being that there is a cost associated in keeping this well operational, and the Village is unable to use the water for any other purpose, Council has elected to decommission the well.

My question to you is whether or not there is interest from minor ball in taking over this raw water well. If so, the Village would sell the water well to minor ball and thus, no longer be responsible for the ongoing maintenance/operation costs. Comparatively, should minor ball not be interested in taking over this well, the Village would move forward in having this well decommissioned within the next month and it would subsequently no longer be available for use.

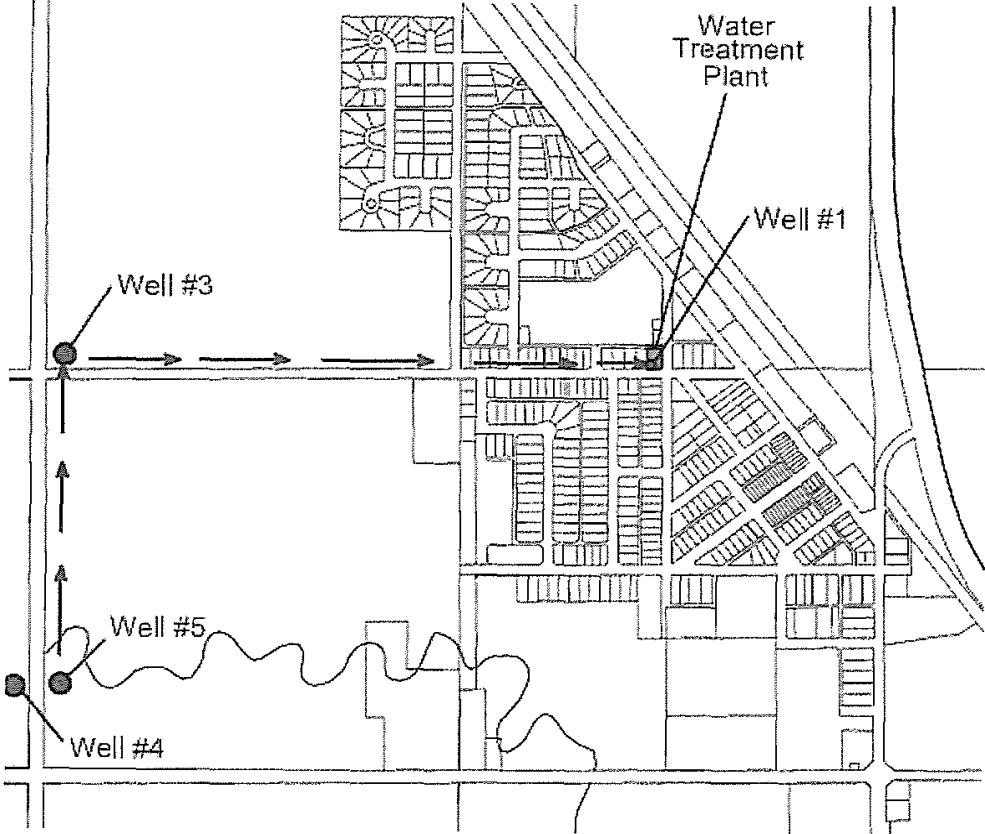
If you could please let me know by noon on May 29th, 2020 as to whether or not minor ball is interested in taking over the raw water well that would be greatly appreciated. Should I not hear from you, I will be moving forward in getting this project scheduled and carried out accordingly.

Should you have any questions, please do not hesitate to contact me. Thank you.

Shannon Harrower, BAH
Chief Administrative Officer
<[image001.jpg](#)>



Location of the Marwayne Water Wells are:



From: [Darrell Denis](mailto:Darrell.Denis@hmsinet.ca)
To: cao.marwayne@hmsinet.ca
Subject: Water well Quote
Date: March 22, 2020 11:11:12 AM

Good morning Mrs. Harrower

Please find attached the quote for the water well casing cut offs.

**** Town of Marwayne is responsible for any land access permits****

**** Quote is for thawed ground conditions ****

Well #s 3,4 & 5 as per drawings (# 5 is priority) \$5250.00 plus GST per well

This includes:

One time Mob / Demob equipment and man power (Well experienced hoe operator and spotter / labourer)

Place Ab first calls

Line locates

Hydrovac

Strip top soil & sub soil as per Ab regulations

Dig to a dept. of 9' and cut off / dispose piece of casing

Backfill / compact soil and place sub & top soil as per Ab regulations

Cleanup any surface rocks and reseed grass (If needed) on disturbed area.

Thank you for this opportunity to supply you with this quote

Darrell Denis
Construction / Pipeline Consultant
DAR - DEN ENTERPRISES INC.
P.O. Box 2974
Lloydminster, AB T9V 2J3
Cell: 780-871-8149
dardenent@gmail.com



**McALLISTER
DRILLING INC.**

Box 1189
Lloydminster, AB/SK
S9V 1G1
Phone: (780) 875-2409
george@mcallisterdrilling.ca

Invoice No. **Quote**
Update Date: June 5, 2020
Bill To: Village of Marwayne
Box 113
Marwayne, AB
T0B 2X0
Contact: Shannon Harrower
Phone: (780)847-3962
Email: cao.marwayne@hmsinet.ca

Rig #:
Supervisor:

Scope of work: Abandonment of one (Water well #3) source water wells for the Village.

Services	Units	Cost Per Unit	Amount
Cost to pull pumps out of wells:			
Service Rig travel & Labour	2.5 hrs	\$135.00	\$337.50
Cost of abandoning two wells:			
Mobilization & Demobilization(includes frieght on materials to site)(water truck , grout machine , crew truck and crew)	1.5 hrs	\$450.00	\$675.00
Rig time to abandone one holes (install material)	2 hrs	\$450.00	\$900.00
Chlorine (L)	1 wells	\$48.00	\$48.00
Bentonite chips-client will use after cutting casing off below gd.	6 bags	\$24.00	\$144.00
Clean frak-sand (fill open area through water zones)	10 bags	\$24.00	\$240.00
Bentonite Grout seal (pumped from bottom of casings to surface)	18 bags	\$28.00	\$504.00
Note:			
*McAllister Drilling will supply a Water truck but client will supply access to water			
*Client is responsible to dig down below ground level and cut off casing and cap.			
*Client is responsible for removing any building that are over wells to be abandoned.			
*Third party charges are cost plus 10%			
*Access is the responsibility of the client.			
*Water and disposing of waste is the responsibility of the client.			
*All extra rig time, safety, standbye, etc is charged @ \$450/hr.			
*Pumping materials will be left on site unless requested removal by client.			
G.S.T # R874304710 RT0001		Invoice Subtotal	\$2,848.50
		GST 5%	\$142.43
		TOTAL	\$2,990.93

From: neil@infrasol.ca
To: cao.marwayne@hmsinet.ca
Subject: FCM Grant Application
Date: May 19, 2020 2:10:49 PM
Attachments: [image001.png](#)

Hi Shannon

Great news!

This week, the FCM has announced that the Municipal Asset Management Program (MAMP) is now live and accepting applications. The Village of Marwayne is eligible under this program, regardless of whether you received a MAMP grant in the last round of funding or not.

At no cost or obligation to you, as our friend and/or existing DOT client, we are happy to assist you by writing the grant application on your behalf. As per the last round of funding, the MAMP program will provide you with a \$50,000 grant to improve your asset management practices on an 80/20 split for:

- Asset condition assessments
- Asset management plans, policies, and strategies
- Asset-related data collection and reporting
- Training, education, and knowledge transfer
- Purchase of asset management and capital planning software

While the application deadline for the MAMP Program is October 2022, we estimate that only 1200 municipalities will receive funds, so it is important to act now. In the last round of MAMP funding, we had a 100% success rate for attaining requested funds.

Please email or call me and I will ensure you whatever grant money you can use. We will need a brief (15-30min) conversation with you to get started. From that point, our team can write the grant application on your behalf, saving you a few days of work to complete it yourself.

Best,

Neil Roberts
President



6925 Century Ave #100, Mississauga, ON L5N 7K2

T: (289) 334-0849 | C: (647) 801-6401

neil@infrasol.ca | infrasolglobal.com

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Tread lightly... please consider the environment before printing this e-mail

From: dallas@infrasol.ca
To: cao.marwayne@hmsinet.ca
Subject: MAMP Summary
Date: June 5, 2020 8:41:21 AM
Attachments: [image003.png](#)
[Asset-management-readiness-scale-tool.xlsm](#)
[sample-resolution.PDF](#)

Hello Shannon,

As promised, I am sending further description of the types of activities along with an estimate of cost for the items from our discussion. I have attached a copy of the sample council resolution letter provided by FCM that will be needed as part of the final application package and the readiness scale that needs to be completed before we can start the application as well.

As a reminder, funding on this round is given on a 90/10 split for municipalities under 1,000 in population.

Eligible MAMP Projects Recommended:

Asset Assessments – \$45,255

- This is a healthy budget. We should be able to tackle more than one asset class for this amount. Likely priority candidates are your water system and facilities. A roads study was done during the last round of MAMP funding so that data will still be fairly new, and will be highly useful still with the use of our DOT software.

Asset Management Plans, Policies, and Strategies

- Update of Corporate AMP with new assessment data **\$5,000**

Training, Organizational Development and Knowledge Transfer – We generally recommend that **\$2,500** be set aside for these activities.

- Training for staff or elected officials
- Establishment of asset management committees or working groups
- Adoption of new asset management systems

Implementation of DOT All Asset Capital Planning and Asset Management Solution

- DOT All Asset Solution
 - **\$2,000** Upfront Fee
 - **\$800** Annual Maintenance Fee

TOTAL PROJECT FUND ALLOCATION:

Project Item	Estimated Cost
Facilities Assessment	\$42,255
Asset Management Plan Update	\$5,000
Training Activities	\$2,500
Implementation of Software	\$2,800

TOTAL	\$55,555
TOTAL CONTRIBUTION FROM FCM	50,000
TOTAL TOWN CONTRIBUTION	\$5,555

Please review the above and have some internal conversation about which activities listed here will best benefit your organization. One other thing to consider is the capitalization of the ongoing maintenance fees for the DOT software. As the \$42,000 available for assessments is quite high, we could use remaining funds from this item to capitalize the cost of the annual maintenance fees this year and remove/reduce annual maintenance fees for few years (exact numbers depend on what funds are available). We take this approach when municipalities would prefer to keep the software was a Capex rather than Opex, and also allows us to take full advantage of this grant!

I will reach out in a few days to follow up, however if you have any questions in the meantime, please do not hesitate to reach out.

Regards,

Dallas Watson

Vice President - Business Development



151 5103 35 Avenue SW, Calgary, AB, T3E 6L9

C: (587) 832-5992

dallas@infrasol.ca | infrasolglobal.com

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MINUTES OF THE MEETING OF THE VERMILION RIVER REGIONAL WASTE MANAGEMENT SERVICES COMMISSION HELD ON MAY 26, 2020, VIA ZOOM

PRESENT:

Chair: L. Wolgjen
Vice-Chair: R. McDonald
Directors: T. Pollard; D. Bergquist; M Baker; G. Barr; J. Thompson;
K. Haney; S. Hryciuk
CAO: S. Schwartz

ABSENT:

None.

The meeting was called to order at 6:02 P.M.

AGENDA:

Additions to Agenda:

Old Business: G, Barr - Cardboard Recycling - Town of Vermilion

MOVED by T. Pollard that the agenda be adopted with the above additions.

Carried.

MINUTES OF THE MEETING OF APRIL 28, 2020:

MOVED by S. Hryciuk that the minutes of the meeting of April 28, 2020, be adopted as presented.

Carried.

APRIL 2020 FINANCIAL REPORT:

S. Schwartz presented the financial report for April 2020, and provided explanations as required. The April 2020 report showed a balance of \$137,574.48 in the operating account. The capital reserve account increased to \$539,573.77, due to an interest payment received. The operating reserve account increased to \$226,417.48, due to interest payments received. The Closure/Post-Closure reserve account increased \$109,472.38, due to an interest payment received.

MOVED by T. Pollard that the April 2020 financial be accepted as presented.

Carried.

MUNICIPAL REQUISITION REPORT:

S. Schwartz presented the April 2020 municipal requisition report for information.

ACCOUNTS FOR APPROVAL:

S. Schwartz presented the April 2020 cheques numbered 5649, 5650, and 5665 to 5681, and the debit memos and credit card charges from April 2020, and provided explanations as required. J. Thompson asked about the cheque to JKD Excavating, and S. Schwartz explained that the cheque was for furniture removal from the satellite transfer sites.

MOVED by S. Hryciuk that the cheques numbered 5649, 5650, and 5665 to 5681, and the debit memos and credit card charges be accepted as presented.

Minutes of the Meeting of the VRRWMS on May 26, 2020

Carried.

VERMILION TRANSFER SITE OUTSTANDING ACCOUNTS:

The Vermilion transfer site outstanding accounts report was presented for information. S. Schwartz explained to the Board that she has been working with the Total Oilfield Services payable staff, and it appears that a cheque that they said was written in January 2020 has not been received. They are trying to track the cheque.

MAY 2020 CHIEF ADMINISTRATIVE OFFICER'S REPORT:

S. Schwartz presented the May 2020 Chief Administrative Officer's report, and provided explanations as required.

MOVED by K. Haney that the May 2020 Chief Administrative Officer's report be accepted as presented.

Carried.

BUSINESS ARISING FROM THE CHIEF ADMINISTRATIVE OFFICER'S REPORT:

1. S. Schwartz explained that the signs at the gates of all the transfer sites were placed twenty years ago when the sites opened, and the wood background is rotting on most of them. The sign at Kitscoty is being repaired and rehung as it fell off. S. Schwartz will get a quote for the price of replacement signs with updated information, and then present it to the Board. It was suggested that alternatives to the wood backing could be considered, depending on cost. ACQ treated lumber or laminated aluminum could be used as a backing.
2. S. Schwartz informed the Board that all of our transfer sites have been experiencing large volume increases this spring in all areas, including household waste, furniture, tires, e-waste, metal, paint, burn material and oil, since the pandemic. Traffic at all sites has also increased accordingly. There may be some noticeable increases on year-end totals and removal costs as result of these unprecedented volumes.

FOR INFORMATION:

1. *Changes to Used Paint Recycling:*

S. Schwartz explained that we have recently found out that empty used paint cans that are going into the paint recycling bins at our sites are not being recycled. The contractor is putting them into household waste. In order to save space in our paint recycling bins, we are going to have empty paint cans put into the household waste bins at site. Our paint recycling bins will only be used for cans that have used paint in them.

2. *Pilot Project for Changes to Electronic Waste:*

S. Schwartz explained that ARMA has received a Grant from the Alberta Government to run a pilot program that will expand their current e-waste recycling program. The current program allows for recycling of televisions, computers, printers, and computer peripherals. Televisions are collected on pallets at the satellite sites, and in a sea-can at the Vermilion site. The computers and peripherals are collected in metal cages. Included in the pilot project will be audio-visual equipment, cellphone and wireless devices, electronic gaming devices, small home appliances, portable power tools, toys, musical instruments and solar panels. There will be no charge for

Minutes of the Meeting of the VRRWMS on May 26, 2020

The meeting adjourned at 6:55 P.M.

These minutes have been adopted in their entirety at the June 23, 2020, meeting.

 Chair

 Date

From: [Dwight Dalton](#)
To: [Shannon Harrower](#)
Cc: [Courtney Clark](#); [Amanda Tuplin](#)
Subject: RE: Quote for Garbage Dumpsters
Date: June 4, 2020 11:54:10 PM

Shannon,

The largest bins we have right now are the 30yd Roll-Off bins. They are approximately 20ft long x 8ft wide x 5ft high. They have an end gate that swings open on the back so you can walk heavier material inside or throw material over the top. We have lots of these available. As this is for the Village we will not charge you delivery fees or bin rentals, only dumping fees (haul rate) and landfill fees.

We have a few options on where to take the material and there are some Pros & Cons.

1. We can haul the material to the Vermilion Transfer Terminal but we will have to call ahead to schedule the loads in at the terminal. They are quite sticky on what they want to accept and they do not like wood mixed with other garbage. Clean wood only can go in the burn pile. Depending on the type of furniture, it might not be accepted as clean wood. We will have to call Fran at the terminal and tell her exactly what we are bringing in. This option also requires us to travel the most distance and is the higher haul rate at \$340.00/each bin. The landfill fees will be \$115.00/tonne.
2. We can haul the material to the Lloydminster Landfill and we do not have to book ahead which makes it convenient for everyone. They are not quite as sticky when it comes to mixed loads. If the material is all clean wood like 2x4s and such, they do like to put it in a separate pile for shredding but not if there are branches or tree limbs mixed in. This option requires us to travel the least distance and is the lessor haul rate at \$230.00/each bin but the City of Lloydminster landfill fees are the highest at \$135.00/tonne.
3. We have a very good relationship with another landfill east of Lloydminster in the R.M. of Wilton. We do not have to book ahead and have access 24/7/365. They are not that sticky and you could mix (almost) everything. The travel distance is right in the middle of Option 1 & 2 for a haul rate of \$275.00/each bin. The operators of the landfill, like ourselves, are very community minded when it comes to working with towns/villages and I could negotiate a landfill fee of \$110.00/tonne. This is our preferred option.

NO METAL. All of the landfills require scrap metal to be separated from all other waste. If you need to dispose of scrap metal a separate bin or separate load will be required and it has to come to Lloydminster. White Goods like fridges, stoves, washers, dryers etc. must also be separate and come to Lloydminster. There is a surcharge for White Goods at \$25.00 each. All of the landfills have a surcharge for tires (based on size) and a surcharge for mattresses at \$25.00/each. No liquids, oil, batteries, propane/fuel tanks, chemicals or hazardous waste.

There is a 5% Environmental Fee and GST is extra to the above prices.

If you have any questions or require more information please email or call 780-875-4100 Toll Free 1-877-475-4100 or my cell phone 780-871-4115.

Thanks, Stay Safe.

Dwight Dalton
President/Director
Quik Pick Waste Disposal
Blue Wave Recycling
Border Steel
Lloydminster, Alberta
1-877-475-4100

QUIK PICK WASTE DISPOSAL IS A 100% LOCALLY OWNED FAMILY BUSINESS

From: Shannon Harrower <cao.marwayne@hmsinet.ca>
Sent: Thursday, June 4, 2020 5:07 PM
To: Dwight Dalton <dwight.dalton@quikpick.ca>
Cc: Courtney Clark <dispatch@quikpick.ca>; Amanda Tuplin <accounts@quikpick.ca>
Subject: RE: Quote for Garbage Dumpsters

It will be a mix of garbage (old magazines, wood, furniture, etc.). I would ensure my team separates metal and things of that nature to bring it to the landfill separately. Essentially, I want to be able to have them fill the bins so that we don't have to make a hundred individual trips with a trailer for all the garbage in the home/outbuildings.

Shannon Harrower, BAH
Chief Administrative Officer



From: Dwight Dalton <dwight.dalton@quikpick.ca>
Sent: June 4, 2020 4:34 PM
To: cao.marwayne@hmsinet.ca
Cc: Courtney Clark <dispatch@quikpick.ca>; Amanda Tuplin <accounts@quikpick.ca>
Subject: RE: Quote for Garbage Dumpsters

Hi Shannon.

You say you want the largest bin possible, what type of garbage is it going to be? We have to be careful as some people order a very large bin, then overload it making it too heavy to legally transport to the landfill.

Dwight Dalton
President/Director
Quik Pick Waste Disposal
Blue Wave Recycling
Lloydminster, Alberta
1-877-475-4100

QUIK PICK WASTE DISPOSAL IS A 100% LOCALLY OWNED FAMILY BUSINESS

From: Courtney Clark <dispatch@quikpick.ca>
Sent: Thursday, June 4, 2020 3:37 PM
To: Dwight Dalton <dwight.dalton@quikpick.ca>
Subject: FW: Quote for Garbage Dumpsters

From: Shannon Harrower <cao.marwayne@hmsinet.ca>
Sent: Thursday, June 4, 2020 3:35 PM
To: Courtney Clark <dispatch@quikpick.ca>
Subject: Quote for Garbage Dumpsters


Good afternoon,

As per our telephone conversation this afternoon, the Village of Marwayne is in search of a quote for the largest garbage disposal bins you have for a land clean up project in our community. We would most likely require 2-3 bins (if possible) as the project is large in scale.

If you could please provide me a quote (per bin) by 12pm tomorrow June 5th in so that my Council may review the costs that would be greatly appreciated.

Thank you.

Shannon Harrower, BAH
Chief Administrative Officer



Village of Marwayne
Box 113, 210 2nd Ave S
Marwayne, AB T0B 2X0
780-847-3962 P
780-847-3324 F
marwayne@mcsnet.ca
marwayne.ca



CHIEF ADMINISTRATIVE OFFICER REPORT

MEETING DATE: JUNE 8TH, 2020

ADDRESSING SERVICE NEEDS

- **URE Land Clean up**
 - Administration has obtained quotes from Quik Pick Lloydminster for garbage disposal services for the URE Land Clean Up Project. The rates vary depending on the types of material being disposed of. A quote is attached hereto.
 - Administration has also scheduled Copeland Auctions to complete a site assessment later this week. Once completed, administration will have a clear idea as to whether or not it is worthwhile to proceed with an auction for the items contained within the home and outbuildings.
- **ACE Reroute Project**
 - On May 27th the contractors for the ACE waterline reroute project met to discuss the new trajectory in the back alley north of 3rd street between 2nd avenue and the westerly Village limits.
 - Brent Romanchuk will be following up with us closer to the project commencement date.

PLANNING FOR GROWTH AND CHANGE

- **Kings Energy Group**
 - Received an email regarding property South of Saunders' old shop. Kings Energy has interest in putting a cardlock on the parcel zoned highway commercial. I've contacted land titles to see who the owner of the parcel is prior to moving forward with a response.
- **Walking Trail Project**
 - Received feedback from Ken and Sandra Kneen regarding their interest in submitting a quotation for the walking trail project. They will be proceeding with a submission by June 15th for consideration by Council on June 22nd.

SAFE, CARING & ACTIVE COMMUNITY

- **Coronavirus (COVID-19) Pandemic**
 - Re-opening plans are currently underway for municipalities in the coming weeks. In speaking with our neighbors, it appears that the goal to reopen would be on July 1st. Being that this is a holiday, my recommendation would be that we plan to re-open our doors to the public on Monday July 6th.
 - We would limit the amount of residents/members of the public to one (1) person in the office at a time and implement a mandatory hand sanitizing station in between the main door and the office door. Masks will be available should persons feel more comfortable wearing them however any persons with symptoms, exposed to a person with symptoms, or persons whom are sick will be denied entry to the Village office to protect our staff's safety.

PURSuing OPERATION & ORGANIZATIONAL EXCELLENCE

- **2020 Tax Notices**
 - Tax notices have been mailed out and the website has been update linking the Village's 2020 budget document.
- **Healthy Communities Grant Program**
 - The Alberta Blue Cross grant program for walking trail project has unfortunately been suspended and will not be accepting applications for 2020. The program is scheduled to resume in June 2021, just in time for Phase 2 of our project.

ATTACHMENTS

- 1) Chief Administrative Officer Action List
- 2) Garbage Dumpster Quote



Village of Marwayne
 Box 113, 210 2nd Ave S
 Marwayne, AB T0B 2X0
 780-847-3962 P
 780-847-3324 F
 marwayne@mcsnet.ca
 marwayne.ca

CHIEF ADMINISTRATIVE OFFICER ACTION LIST

Item	Description	Resolution #	Staff Responsible	Status	Notes
Planning for Growth and Change					
Assessment Review Board	Estimated costs for the required documents and contributions from each community will be brought back to each council for ratification before proceeding towards engagement of a Law firm.	2018-11-2V: Be it resolved the Council of the Village of Marwayne agrees in principle to participate in the establishment of a Regional Subdivision and Development Appeal Board, and a Regional Assessment Review Board for the Vermilion River Regional Alliance municipalities.	Doug Rodwell (City of Lloydminster) to hire RMRF legal. Legal – Estimates maximum \$10,000 cost shared at 50% costs x \$0.72/per capita. Sharon Williams – Kitscoty Project coordinator	In progress	Council reviewed 6/10/19, no feedback. Waiting on other municipalities now. Jordan tried pushing the project along again on July 22nd, Aug 21st, Oct 16th. Email sent on January 15, 2020 to all neighboring CAO's to get a status update on the development of the agreements. Municipal Affairs has advise we may get an extension, but that they would like copies of the agreements as soon as possible. Spoke to Sharon from Village of Kitscoty on January 15 and she has advised that draft agreements will be circulated by the end of the week. Submitted our request for an extension to Jeff Nixon on January 15, 2020. Extension has been approved to May 20, 2020 and meeting has been scheduled for February 4th, 2020 in Kitscoty with subsequent meeting to be held on March 3rd in Lloydminster. CAOs to bring to Council and reconvene on March 20th with outcomes.
Marwayne Sustainability Plan Version 3	Version 2.0 completed in July 2013 in partnership with the AG society (CDO position).		Council / CAO / V3	Deferred to 2021	Due for revision in 2019-2020. Included in CAO report for January 20, 2020 for Council direction. Defer to 2021 in order to focus on MDP, ICF and IDP.

Municipal Development Plan	\$30,879 in ACP grants available to do a new MDP. Applied for another extension for the ACP grant with a deadline to spend the funds and receive deliverables of February 29, 2020.	2019-11-10V	CAO in conjunction with Nick from V3	Almost Complete	Met with Council on Monday December 2, 2019. Requested questionnaires to be returned within two weeks for processing (all submitted). Draft to be finalized in January 2020. Administration has completed everything on our end with respect to advertising for the open house on March 9th. V3 has finalized the materials and Council is now able to move forward with adoption pending the scheduling of a public hearing. Public hearing scheduled.
Residential Development	Some lots on Center Street are 25ft. Actively trying to sell serviced residential lots.	2017-11-24-V	Karen Lapointe Remax Agent 780-205-1800. karenlapointe@remax.net. Merlynn @ land titles 780-643-1392		In September 2019, renewed agreement with Remax for listing residential properties for development. Multiple downtown lots on one title and registered prior to 1950. Village must separate the lots. Plan cancellation bylaw must be passed for each plan and then registered at land titles.
2020 Economic Development Committee Project	October 28, 2019 was the last EDC Meeting		CAO	In progress	Need design quotes and AB transportation rules for roadside signage. Schedule meeting in early 2020 - looking at June due to ongoing pandemic. Finalizing compilation of responses to schedule meeting date/time.
Ure/Industrial Land	Purchased in 2019, need to move forward with a plan for it. Can use IDP ACP grant funds to hire CVR planning to create a multi-lot scoped ASP. Bob at AB Hub might have ideas to move forward and would attend a council meeting.		Council/CAO/Public Works for lot clean up	In progress	Need to clean up buildings and have them cleared so that the land is ready for development. Can begin to carry out in the spring when access is simpler. Look at the implications of subdividing the land for potential commercial buyers. Quotes for clean up have been obtained to move forward with step 1.
Item	Description	Resolution #	Staff Responsible	Status	Notes
Addressing Service Needs					

<p>Westview Park</p>	<p>Playground inspection received 11/9/2018 with 15 non compliance issues identified.</p>	<p>15-Aug-16</p>	<p>Keri Debnam – Volunteer Keri.debnam@hotmail.com. CAO and Foreman</p>	<p>In progress - almost complete</p>	<p>Completed the CVR grant claim on October 8, 2019. Jordan received report 11/14, signage and parts ordered. Last item required is more sand for the playground - CAO obtained quote from Feldspar in Lloydminster and will order the required 150 yards as soon as the weather gets nicer to ensure we meet all of the requirements identified in the report. Sand is ordered and will be delivered mid June.</p>
<p>Raw Water Wells</p>	<p>Marwayne connected to ACE in February 2019. Kitscoty is taking the lead on decommissioning because they were connected 4 months before Marwayne. Regional utility operator Carry Grant uncertain of expenses, Keeping the power lines connected to the wells is at the expense of approximately \$200/month.</p>	<p>Discussed on January 6, 2020 with Council. Given the go ahead to proceed.</p>	<p>CAO/Utility Operator Carry Grant/Kathryn Stacey – AEP - Supplied forms to cancel the wells</p>	<p>In progress - almost complete</p>	<p>If a farmer wants the wells, license gets cancelled and they have to submit new application. Offered to CVR in August 2019 but received response in December 2019 that they are not interested in the wells at this time. Decommissioning is the next step. CAO contacted Sharon at the Village of Kitscoty for pricing on filling in the wells - they used McAllister Drilling and their costs were approximately \$11 000. They also utilized their own staff to assist in the project to save on additional costs as much as possible. Discussed the next steps at the January 14th staff meeting - CAO to contact McAllister for a quote and proceed with decommissioning/sale of wells. Quote has been obtained, currently waiting on minor ball and landowner as to whether or not they are interested in purchasing the wells prior to moving forward with the project in the spring. Farmer and Minor Ball want the wells, only need to decommission one.</p>

Minister of Service Alberta	Jordan requested information on what we are doing for broadband in October 31, 2019 letter.	Correspondence brought to November 4 Council Meeting.	Cheryle delegated this to George Rogers at VRRRA on 11/4/2019	In progress	Waiting on George. Broadband moving forward in Vermilion as per VRRRA AGM on January 23, 2020. Cheryle provided study and USB to CAO on January 24, 2020. Waiting on new quote from Vermilion as we were advised the cost would be decreasing. Check budget to see what funds we can set aside moving forward. Will incorporate upon receipt from our assessment at the end of February 2020. CVR and Lloydminster have pulled out of VRRRA.
<i>Item</i>	<i>Description</i>	<i>Resolution #</i>	<i>Staff Responsible</i>	<i>Status</i>	<i>Notes</i>
Safe and Caring Community					
	Lots 2& 3, Block 7, Plan 3914. Two lots: Conocophillips site Lot 3: Tier 2 Guideline Adjustment and		Karen Gervais from AB Environment 403-755-2280 or		Conoco phillips tier 2 guideline adjustment and management plan. Suncore remedial action plan. CAO submitted letters to them in May 2019 as per description information. Suncore had until October

Brownfield Contaminated Lots

Management Plan sitting on Alberta Environment desk since March 2017. As of March 2018 it is in the queue and nowhere near being reviewed. Suncore Site Lot 2: Remedial Action Plan. In regards to Lots 2 & 3, Block 7, Plan 3194ET, the Village of Marwayne will not execute the Environmental Indemnity agreement with Ranek Enterprises to facilitate the sale of these lots as this would be in direct contrast to the "polluter pays" principles in the Environmental Protection and Enhancement Act and the protections that are offered there and under the MGA for municipalities that acquire contaminated property under tax sale. The Village of Marwayne withdraws offering the above lots for sale.

09-Dec-13

karen.gervais@gov.ab.ca (talked to on 2/21/18, 3/6/18, 5/14/18. Emailed for update on 12/3 - no anticipated date. Paul Gordon from Suncor 604-933-2664 or pgordon@suncore.com. Talked to on 3/23/18 and 5/10/18. Donna Szemesi from ConocoPhillips 403-260-1820 or donna.j.szemesi@cop.com. Talked to on 2/12/18. Rob Hoffman from Canadian Fuels Association 403-266-7567 or robhoffman@canadianfuels.ca. Talked to on 4/26/18

31, 2019 to respond to our demands for full remediation. No reply. Meeting scheduled for January 23rd with Conoco Phillips to review the remediation plans. Wrote and mailed letters May 30, 2019. They replied in July 2019 and have until October 2019 to reply with results. Never got anything after October 31, 2019. Cancelled their meeting with CAO for January 22, 2020 - awaiting to reschedule for a later date. The Village's approach will now be to push for full remediation of Lots 2 and 3 and its undeveloped road and back alley, so that it can offer the lands for sale knowing that it meets tier 1 guidelines for commercial lands, thereby reducing the overall risk while rendering the lands more attractive to prospective purchasers on a pure as-is, where is basis. Risk management can be an effective remediation process over a long period of time, but the Village as the affected landowner, is not agreeable to this slow process. Canadian Fuels Association – advocate for full closure of regulatory liability, support Risk Management when Tier 1 or 2 constraints. Only can work with Suncor.

**VILLAGE OF MARWAYNE
Cheque Register-Summary-Bank**



MARWAYNE

AP5090 Page : 1
Date : Jun 05, 2020 Time : 3:04 pm

Supplier : 10 To XYLCA
Cheque Dt. 05-Jun-2020 To 05-Jun-2020
Bank : 01 - ATB To 99 - Penny Clearing

Seq : Cheque No. Status : All
Medium : M=Manual C=Computer E=EFT-PA

Cheque #	Cheque Date	Supplier	Supplier Name	Status	Batch	Medium	Amount
3296	05-Jun-2020	10012	Parkland Industries- Race Trac Gas	Issued	36	C	820.97
3297	05-Jun-2020	ACE	ACE	Issued	36	C	12,593.25
3298	05-Jun-2020	AISL	AMSC Insurance Services Ltd	Issued	36	C	1,393.88
3299	05-Jun-2020	DILCA	Diligent Canada Inc	Issued	36	C	2,947.09
3300	05-Jun-2020	ELEME	Element Materials Technology Canada Inc.	Issued	36	C	137.58
3301	05-Jun-2020	FENC000	Fenced In & Decked Out Ltd.	Issued	36	C	3,780.00
3302	05-Jun-2020	RICCA	Digital Connection Inc.	issued	36	C	670.83
3303	05-Jun-2020	SHAHAR	Harrower, Shannon	Issued	36	C	50.25
3304	05-Jun-2020	WAGL	Wainwright Assessment Group Ltd	Issued	36	C	681.45

Total Computer Paid :	23,075.30	Total EFT PAP :	0.00	Total Paid :	23,075.30
Total Manually Paid :	0.00	Total EFT File :	0.00		

9 Total No. Of Cheque(s) ...

VILLAGE OF MARWAYNE
Billing Register Report Detailed



UB4110 Page : 28
 Date : Jun 02, 2020 Time : 2:12 pm

Report Options

Customer Selection : All

Calculation Type : All

Batch Number

From : [2020060201]
 To : [2020060201]

Include Billing Transaction From Transaction Maintenance : No
 Svc. End Date On/Before : 02-Jun-2020 Final Bills Only : No

Cat	Srv	Service Description	Count	Total Discount	Total Units	Total Amt	Total Cons.	Avg. Cons.
01	ONOFF	Water On/Off	2		3.00	77.90		
01	WBULK	Bulk Water	8		8.00	435.62	20.40	2.55
01	WCOM	Commercial Water	24		24.00	2,325.00	300.00	12.50
01	WIND	Industrial Water	1		1.00	397.00	80.00	80.00
01	WINS	Institutional Water	3		3.00	543.60	84.00	28.00
01	WLF	Water Line Fee	277		277.00			
01	WMUN	Municipal Properties	2		2.00		1.00	0.50
01	WPUB	Public Building Water	9		9.00	389.05	7.00	0.78
01	WRES	Residential Water	236		236.00	20,398.87	2,657.00	11.26
02	SCOM	Commercial Sewer	24		24.00	480.00		
02	SINS	Institutional Sewer	3		3.00	225.00		
02	SPUB	Public Building Sewer	9		9.00	180.00		
02	SRES	Residential Sewer	235		235.00	4,665.17		
03	GINS	Institutional Garbage	3		3.00	33.00		
03	GRES	Residential Garbage	235		235.00	6,181.33		
Book 000 Totals :			1071		1,072.00	36,329.54	3,149.40	
Totals			1071		1,072.00	36,329.54	3,149.40	

Municipal Governance

During the COVID-19 Outbreak

Frequently Asked Questions – May 29, 2020

While we continue down the road to recovery together, Alberta Municipal Affairs remains committed to issuing bi-weekly updates that address frequently asked questions as well as provide information on new tools and resources as they become available.

If you would like a specific question answered in an upcoming update, please email your request to ma.lgsmail@gov.ab.ca.

Municipal Affairs Updates

Previous COVID-19 updates are available at www.alberta.ca/municipal-government-resources.aspx

Electronic Meetings



Does the electronic meeting provisions in the Meeting Procedures (COVID-19 Suppression) Regulation enable all of council to meet in person and have the public only attend through an electronic means?

YES. However, to meet the terms of the regulation and be consistent with the May 26, 2020 letter from the Chief Medical Officer of Health, the CAO or a designated officer must also attend electronically. If council and the CAO or designated officer attend in person, the meeting is not considered an electronic meeting.

Municipal Affairs is currently reviewing whether adjustments to the regulation may be required going forward.

The Meeting Procedures (COVID-19 Suppression) Regulation was put in place in response to the COVID-19 public health emergency to ensure meetings could occur in a manner that complied with the social distancing orders. Section 3 of the regulation allows meetings to be held electronically under specific conditions. Given the *MGA* already provides for council members to attend electronically, under the regulation it is the attendance of the CAO or a designated officer that determines if the meeting is an electronic meeting.

When the CAO or a designated officer attends electronically, public participation can be restricted to electronic means only. If the CAO/designated officers and council attend in person, the meeting does not meet the requirements stated in the regulation for an electronic meeting, so members of the public must be allowed to attend in person. Public attendance would need to comply with the social distancing orders with respect to the maximum number in the room and the distancing requirements. Electronic transmission of the meeting could be offered as an additional option for the

Municipal Advisory Services

If you have further questions, please call: 780-427-2225 or toll-free by first dialing 310-0000 or email ma.lgsmail@gov.ab.ca

members of the public or meeting participants that exceed the maximum permitted in the meeting room.

Will the electronic meeting provisions contained in the Meeting Procedures (COVID-19 Suppression) Regulation be permanent?

NO. The purpose of the regulation is to enable meetings to occur in a manner that avoids exposing people to COVID-19. While we recognize that the regulation provides alternatives more reflective of current technology, the regulation was not intended to enable councils to meet in the absence of the public beyond the duration of the pandemic. As part of the red tape reduction initiative and review of the MGA, consideration may be given to electronic meeting provisions to enable greater flexibility for municipalities, while also maintaining the public's right to participate.

For now, with the provincial relaunch strategy underway, municipalities should be considering ways to transition back to regular procedures, as public health measures are gradually relaxed. Once the pandemic is no longer in effect, municipal meetings will be required to enable in-person public attendance. Electronic transmission of meetings could continue to be offered as an option, but would not replace public attendance requirements.

Emergency Management

If a municipality had a pandemic SOLE in effect when Bill 13: *Emergency Management Act Amendments* came into force, is a new declaration for a pandemic state of emergency required to put in effect the 90 day timeframe?

NO. If a municipality's SOLE declaration states it is specific to a pandemic and it was in effect when Bill 13 was enacted (May 12, 2020), a new declaration is not required; however, the municipality is required to determine/state the duration of the SOLE, which can be extended up to 90 days. If the SOLE declaration did not specifically state it was a pandemic SOLE, a new declaration is required and

must state it is specific to a pandemic to enable the 90-day duration.

If desired, you may renew your SOLE declaration after Bill 13 came into force, and that renewal date would mark the beginning of the 90-day duration for the pandemic SOLE. It is up to each municipality to decide whether or not to let the pandemic SOLE continue or make a new pandemic SOLE declaration.

Policing Costs

Will the province consider the cancellation of invoices for policing costs announced as part of Budget 2019 in recognition of the current reduced fiscal capacity of municipalities as they manage their local response to the COVID-19 pandemic?

NO. While the province has announced a number of supports for municipalities and continues to work with local leaders to monitor concerns and respond accordingly, the elimination of the policing invoice is not under consideration at this time.

Also note that invoices for policing costs are not legislatively designated as a requisition, unlike Education Taxes, Senior's Foundations and Designated Industrial Property Assessment. Given policing costs are not designated as a requisition, there is no authority for municipalities to show policing costs as a separate line item on the municipal property tax bylaw, or to levy a specific tax rate for the collection of revenue to support policing costs. As an invoice to the municipality, policing costs must be included in the municipal budget and funded out of the revenue collected from the general municipal tax rate.

For municipalities wishing to provide information to ratepayers on the impact of increased costs for policing on the municipal budget, it is recommended that an insert be included with tax notices that provides that information, along with any other information council would like to communicate to ratepayers, be it budget related or otherwise.

General Questions

As part of Premier Jason Kenney's announcement on April 30, 2020 about the phased reopening of businesses and services, he indicated that a supply of non-medical masks would be available to Albertans for use in situations where physical distancing is not possible. Are these masks going to be available soon?

YES. Planning is underway to make 40 million non-medical masks available to Albertans as part of the relaunch. Distribution facilities will be identified in many municipalities to increase access for Albertans. Additional information will be made available as further details are announced.

Mask use is not mandatory; however, Albertans are encouraged to wear non-medical masks in public spaces (e.g., transit, grocery stores, etc.) as a way to prevent respiratory droplets from contaminating other people or surfaces. Masks are not a replacement for other public health measures and good hygiene practices such as hand washing and maintaining two-metre physical distancing as much as possible continue to be encouraged for all Albertans. Rules and guidance for the use of masks in crowded spaces, like mass transit, are available on [Alberta.ca/masks](https://alberta.ca/masks).

Does publishing documents online meet the legislative requirements to make public documents available when offices remain closed to the public?

YES. Where the MGA requires information to be available to the public for public inspection, the Meeting Procedures (COVID-19 Suppression) Regulation enables this to be met by making it electronically available on a municipal website.



Are there guidelines available to assist with reopening municipal playgrounds?

YES. As of May 22, 2020, municipalities may choose to reopen their playgrounds if they are comfortable that the Chief Medical Officer of Health's guidelines on numbers and physical distancing can be met. The reopening of municipal playgrounds requires careful planning on the part of municipalities. Municipalities can put up signage indicating that users are at their own risk and that the municipality does not accept any liability. You should consult with your legal counsel if you need information about liability. To support municipalities in adapting current practices, the Government of Alberta has released guidance on outdoor activities, including playgrounds. This guidance is available at <https://www.alberta.ca/assets/documents/covid-19-relaunch-guidance-playgrounds.pdf>. Please note, using playgrounds does have some risks, and children may find it difficult to avoid touching their eyes, nose, and mouth. Under the direction of the Chief Medical Officer of Health, the Government of Alberta is also advising Albertans to wear facemasks as an extra measure to prevent the spread of COVID-19 in the community.

Additional Resources

Alberta municipal associations continue to provide comprehensive resources to assist members during the pandemic. The Alberta Urban Municipalities Association has developed a webpage to act as a quick first reference with links to credible sources for up-to-date information at <https://auma.ca/business-services/employee-benefits/employers/covid-19>. The Rural Municipalities of Alberta's COVID-19 response hub is accessible via <https://rmlberta.com/about/covid-19-response-hub/>.

The Federation of Canadian Municipalities continues to compile a list of links and resources for municipalities. <https://fcm.ca/en/resources/covid-19-resources-municipalities>.

From: [Crystal Zevola](#) on behalf of [Dan Rude](#)
Subject: Community engagement in the age of COVID-19
Date: June 5, 2020 11:20:16 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

Hello Mayors & Councillors,

Our members have always incorporated citizen engagement in municipal governance, providing a means for incorporating community values, interests, and needs into decisions that affect lives. COVID-19 has only made this type of engagement more difficult.

To assist, the Elected Officials Education Program (EOEP) has worked hard to create a remote offering of our course: Council's Role in Public Engagement. It is designed to help municipalities overcome common barriers and risks associated with engagement and policy development. It focuses on the importance of meaningful citizen engagement in building strong, vibrant communities.

The course is offered through four (4) weekly online interactive sessions on **June 25 (2:30pm to 4:30pm), July 2 (2:30pm to 4:00pm), July 9 (2:30pm to 4:00pm), and July 16 (2:30pm to 4:00pm).**

To help with the pandemic conditions, **the fee for this course will be reduced from the standard EOEP course fee to \$200.**

I strongly encourage you to take this course. Click [here](#) to find out more information and to register.

Best regards,

Dan Rude | Chief Executive Officer
ALBERTA URBAN MUNICIPALITIES ASSOCIATION

D: 780.431.4535 | C: 780.951.3344 | E: drude@auma.ca
Alberta Municipal Place | 300-8616 51 Ave Edmonton, AB T6E 6E6
Toll Free: 310-AUMA | 877-421-6644 | www.auma.ca



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Council's Role in Public Engagement

June 25, July 2, July 9, July 16

Online delivery | \$200

From: [Village of Marwayne](#)
To: ["Shannon Harrower"](#)
Subject: FW: Dod attack
Date: June 2, 2020 11:36:57 AM

Please see below.

Shannon Kennedy
Administrative Assistant
Village of Marwayne
Box 113
210-2nd Ave South
Marwayne, AB T0B 2X0
780-847-3962 or fax 780-847-3324
email: marwayne@mcsnet.ca

From: Maureen Germsheid <squirty14@hotmail.ca>
Sent: June 2, 2020 11:34 AM
To: marwayne@mcsnet.ca
Subject: Dod attack

TELUS

8:54 AM

91%



the Village of Marwayne's Public Works Foreman responded to an attack on two (2) women, two (2) babies and a young male infant by two (2) of your dogs whom were at large in the back alley behind Centre Street.

As a result of this incident, I am hereby declaring two (2) of your dogs dangerous under Bylaw No. 557-17 (attached hereto for your reference). As a result of this declaration, you must comply with all requirements under Section 16 of Bylaw No. 557-17, including the display of "Dangerous Dog" signage at all entrances of your property on or before June 26th, 2020. Failure to comply with all of the requirements under Section 16 will result in additional fines and/or enforcement under the *Dangerous Dogs Act*.

In addition to complying with the provisions set forth above, you must also remit payment to the Village of Marwayne by cash, cheque, or online banking in the amount of \$990.00 as per the enclosed Municipal Bylaw Tag #2020-01. Failure to remit payment may result in additional fees and interest charges.

Should you wish to appeal my decision, you may do so by submitting a request in writing to the Village of Marwayne within fourteen (14) days of this letter.

Regards,

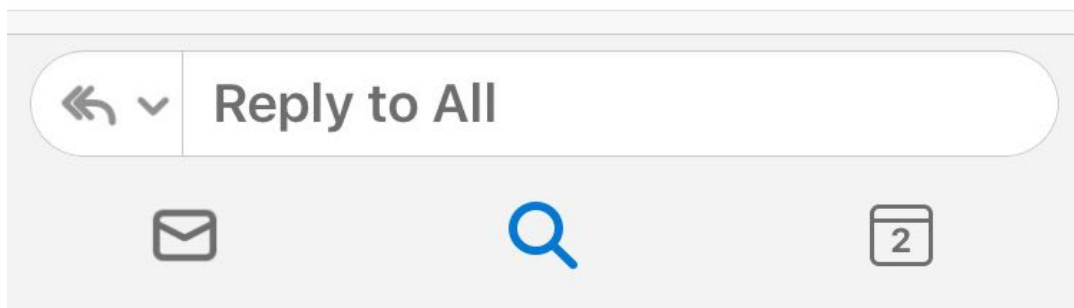
Shannon Harrower
Chief Administrative Officer

encl. Municipal Tag #2020-01 & Bylaw No. 557-17

I am writing you this letter to appeal your

decision on my animals being labelled as dangerous dogs I would like some evidence pertaining to the incidence of the dogs being charged these are not dangerous dogs

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