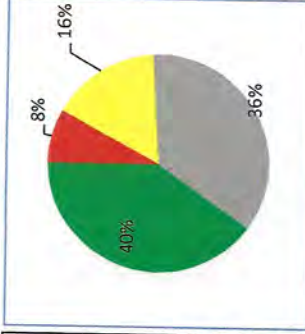


Action Log MYALTA VENTURES LTD.

Project ID	2019010A
Project	PHASE A - SANDY BEACH/SUNRISE BEACH to ONOWAY
Last	2020-11-09
Status	Count
Open	2
Hold	4
Complete	9
Total	25



Action #	Topic	Action Items/Open Questions	Resp.	Date Raised	Due Date	Status	Comments
9	Technical Committee Meetings	Regularly scheduled Technical Meetings with MPE, County, and Myalta.	MPE, County, and Myalta.	19-May-20	31-Dec-20	Open	Minutes of Technical Committee Meeting #9, and #10 are attached.
11	Pre-Design Report	MPE submission of report.	MPE, County, and Myalta.	19-May-20	31-Oct-20	Open	Pre-Design Report delayed due to land acquisition for second lift Station. Application for use of HWY 641 RoW has been submitted based on positive response from AT Regional Director.
12	Public Meeting?	Is a Public Meeting Required?		2-Jun-20	TBA	Hold	Project "IN REVIEW" as Summer Village's request. Virtual "Open House" to be held and will include Town of Onoway.
13	Town of Onoway Approval	Obtain Town of Onoway Approval for use of Town's Lagoon Facility	County and Myalta	2-Jun-20	31-Oct-20	Hold	Project "IN REVIEW" as Summer Village's request. DRAFT Wastewater Service Agreement has been provided to Town and Steering Committee (SC). SC to provide comments by October 26 then a meeting will be arranged with Town for Final Review of Agreement.
14	Governance Alternatives	Engage the Services of Brownlee Law to prepare a paper on the alternatives for governance.	County and Myalta	4-Jun-20	15-Nov-20	Hold	Project "IN REVIEW" as Summer Village's request. Brownlee Law to prepare a presentation for a meeting of all interested parties for "Governance" alternatives for the Regional Concept.
14A	Agreement - Darwell, SVs, County	Administration of project, funds, responsibilities, etc. among parties	County and Myalta	4-Jun-20	31-Oct-20	Hold	Project "IN REVIEW" as Summer Village's request. Brownlee Law has provided a "Clean Copy" of MOU for Lac Ste Anne County, SV of Sunrise Beach, SV of Sandy Beach, and Darwell Lagoon Commission to pass resolutions to sign MOU.

15	Final Design for Wastewater Lift Stations	Completed Detailed Design, Drawings, and Contract Documents for Lift Stations and Septage Receiving Station	MPE, County, and Myalta.	19-May-20	15-Nov-20	Open	Detailed DWGS are being completed.
16	Final Design for Wastewater Transmission line	Completed Detailed Design, Drawings, and Contract Documents for Wastewater Transmission Line	MPE, County, and Myalta.	19-May-20	30-Sep-20	Open	Land acquisition for 2nd lift station is proceeding.
17	Tender for Wastewater Transmission line	Project Tenders Close	MPE, County, and Myalta.	19-May-20	1-Dec-20	Hold	Project "IN REVIEW" as Summer Village's request. Rescheduled due to Administrative procedures that need to be completed.
18	Tender for Lift Stations	Project Tenders Close	MPE, County, and Myalta.	19-May-20	15-Dec-20	Hold	Project "IN REVIEW" as Summer Village's request. Rescheduled due to Administrative procedures that need to be completed.
19	Construction Start - Wastewater Transmission Line	Contract awarded and Construction Starts	Contractor	19-May-20	21-Jan-01	Hold	Project "IN REVIEW" as Summer Village's request.
20	Construction Start - Lift Stations and Septage Receiving Station	Contract awarded and Construction Starts	Contractor	19-May-20	21-Jan-01	Hold	Project "IN REVIEW" as Summer Village's request.
21	Construction Completion	Project is Operational	Contractor, MPE, County, and Myalta	19-May-20	1-Jun-21	Hold	Project "IN REVIEW" as Summer Village's request.



Minutes of Meeting #10

Design Update

Client: Darwell Lagoon Commission **File:** N:\52\25\018-00\MM10
Project: Sandy Beach/Onoway Regional Wastewater Transmission Line
Date: October 20, 2020
Time: 10:00 a.m.

Attendance:

Joe Duplessie	Lac Ste. Anne County	jduplessie@lsac.ca
Brian Hartman	Lac Ste. Anne County	bhartman@lsac.ca
Mike Yakemchuk	Darwell Lagoon Commission	myalta@shaw.ca
Jason Madge	Town of Onoway	jason@onoway.ca
Ryan Sharpe	MPE Engineering Ltd.	rsharpe@mpe.ca
Scott Kusalik	MPE Engineering Ltd.	skusalik@mpe.ca

Absent: None

Location: GoToMeeting Video Conference

Purpose: Design Update

Distribution: All Present

**Action
Req'd
By:**

1.0 Forcemain:

- Alignment along Highway 642: AT has agreed with the concept of installing the forcemain and low pressure sewer line within the Highway 642 ROW. WILD has agreed with placing the forcemain 1.5 m horizontal offset and 0.5 m vertical offset from the regional water main. MPE is finalizing the agreement with AT for the Highway crossing and installing the forcemain and low pressure sewer main within the Highway ROW. **MPE**
- Onoway Tie-in Agreement: The Town has agreed in principle with the tie-in proposed at the lagoon site. DLC and the Town had a steering committee meeting yesterday (October 19) and will meet again next Monday (Oct 26) to review all comments. The agreement is expected to be finalized in the next two weeks. DLC requested additional drawings from MPE as required for the agreement. Mike Y. to coordinate with MPE. The following drawings are required:
 - SRS locations at Sandy Beach and Onoway.
 - Overall alignment and service areas.
 - Location of future Calahoo and Tri-Village connections.**DLC/
MPE**
- Onoway Lagoon Details: After further review, the Town and Commission's preference is to install the SRS station closer to the Anaerobic cells in order to avoid potential maintenance and operational issues with a gravity main typically full of wastewater, or **MPE**

a shallow buried gravity main. MPE to update the design based on the SRS station close to the anaerobic cells, north of the existing turn around.

- Air Valves: Discussed various air valves currently proposed by MPE including Valmatic, ARI, and Vent-O-Mat. MPE discussed further with WILD to determine if a common air valve supplier/style can be used. WILD is using the direct bury ARI air valves. The Commission's preference for wastewater is to install air valves within manholes for ease of access for maintenance and operations. DLC requested cut sheets of the proposed valves for review. **MPE**
- MPE to post the specifications for the forcemain contract on the FTP site next week. Some items will have placeholders until various dates are finalized (i.e. tender start, close, etc.). DLC needs an agreement with the Town and an Open House must be held prior to tender. **MPE**

2.0 Lift Station:

- The tower on the Sandy Beach Public Works Yard adjacent to the proposed wet well is owned by Xplornet. MPE has had correspondence with Xplornet to confirm offset requirements/proximity agreements and will continue to follow up. **MPE**
- Solids chamber: – MPE confirmed that the vac trucks can clean the proposed wet well depth of 5.5 meters (18 feet) below grade. Below a depth of approximately 6 to 6.5 meters (20 to 22') the vac trucks can clean but they need to use air assist which adds cost and time to the cleaning. **Info**
- MPE reviewed the anticipated volume of solids accumulation in the solids chamber. MPE used the flows based on sewage hauled to Onoway from Sandy Beach and Sunrise Beach in 2019. The only monthly breakdown included was October. DLC to provide additional historical flows and monthly breakdowns. Based on the numbers provided, MPE estimated a peak flow during summer months of 46.6 m³/day. Based on the current solids chamber volume of 6 m³, the tank would need to be cleaned out every 159 days. Based on the projected, future peak demand, the solids tank would need to be cleaned every 24 days. The Commission is ok with cleaning the tank monthly (even during low demand periods). **DLC**
- Wet Well sizing: MPE to further review and optimize the volume of the pumping chamber, solids chamber, and compare with the forcemain volume. The DLC's preference is to pump out the forcemain during each cycle if possible. MPE noted the forcemain volume is quite high so this may not be feasible. MPE to review and provide volumes and recommendations. **MPE**
- Based on the latest discussion on the potable water connection to the SRS building, DLC needs to have a follow up discussion with WILD to confirm cost considerations. A basic system only is required with minimal equipment. DLC to follow up with WILD this week. **DLC**
- DLC has initiated contact with the landowner to the West (Roger Dunsdall). DLC to forward contact information for the landowner to MPE so the land agent can initiate the land acquisition agreement. **DLC**

- Power Service: MPE to confirm the power requirements based on the current design. MPE to discuss with Fortis to determine if high capital costs can be put covered under the project in lieu of higher monthly billing. MPE to discuss with Fortis. **MPE**

3.0 Regulatory:

- MPE has submitted a notification to AEP for the project. MPE has had further correspondence with AEP to confirm if the forcemain can have a registration as a transmission main instead of a collection system. The operational requirements are reduced for a transmission main. There are no service connections tied directly into the forcemain. **MPE**
- MPE has also engaged AEP under the Water Act for all creek and wetland crossings. This notification will be submitted to AEP as a single submission for the entire project. **MPE**

4.0 Miscellaneous:

- Geotechnical Investigation is complete aside from the intermediate lift station site and along Highway 642. WILD to request geotechnical results along Highway 642 as per MPE's email last week. Boreholes for the intermediate lift station to be completed after the site location is confirmed and permission is granted from the landowner. **DLC**
- Utility crossing agreements have been initiated. The following utility crossings are required (no update at this meeting other than the ATCO agreement is signed and Telus agreement is close):
 - ATCO natural gas – agreement received and signed by DLC.
 - Fortis – MPE working on crossing agreement for overhead power lines as well as proximity agreement where the forcemain is on the same side of the road as power. Fortis has advised (on July 21) that they are currently backlogged and have a 4 week turnaround on agreements.
 - In Play Oil – After reviewing further review the site is abandoned and currently owned by Conoco Phillips.
 - Pembina Pipelines – Crossing request issued on July 14. Pembina is also experiencing a high volume of third party requests but they are working on an agreement.
 - Ste. Anne Gas Co-op – The County and MPE are working with the gas co-op to ensure the agreement is in the proper name (Darwell Lagoon Commisison, not the Contractor nor MPE).
 - Telus – Crossing request made on July 13, ongoing discussions.
- DLC is working with the Summer Villages of Sandy Beach and Sunrise Beach to establish agreements for wastewater collection. **DLC**

Schedule:

- Target Milestones as follows:
 - Forcemain Tender – November 30, 2020.
 - Lift Station Tender – January 6, 2020.
 - Note the forcemain tender date has shifted due to the requirement to hold an Open House and establish an agreement with the Town of Onoway. Technically

the tender could be issued by mid November, pending administrative agreements.

- Note the above dates are subject to approvals and land acquisition and will change as required.

6.0 Budget:

- DLC has reviewed the updated cost estimate and will use it moving forward for all discussions with municipalities and grant funding agents.

Meeting was adjourned at 11:30 am. Next meeting will be held November 3 at 10:00 am.

Recorded by: Ryan Sharpe

If there are any errors, omissions, or discrepancies, please contact the MPE office at (780) 486-2000.



Minutes of Meeting #9

Design Update

Client:	Darwell Lagoon Commission	File: N:\52\25\018-00\MM09
Project:	Sandy Beach/Onoway Regional Wastewater Transmission Line	
Date:	October 6, 2020	
Time:	10:00 a.m.	

Attendance:	Joe Duplessie	Lac Ste. Anne County	jduplessie@lsac.ca
	Brian Hartman	Lac Ste. Anne County	bhartman@lsac.ca
	Mike Yakemchuk	Darwell Lagoon Commission	myalta@shaw.ca
	Jason Madge	Town of Onoway	jason@onoway.ca
	Ryan Sharpe	MPE Engineering Ltd.	rsharpe@mpe.ca
	Scott Kusalik	MPE Engineering Ltd.	skusalik@mpe.ca

Absent: None

Location: GoToMeeting Video Conference

Purpose: Design Update

Distribution: All Present

- | | Action
Req'd
By: |
|--|---------------------------------|
| 1.0 Forcemain: | |
| <input type="checkbox"/> Alignment: AT has agreed with the concept of installing the forcemain and low pressure sewer line within the Highway 642 ROW. MPE now working with AT on the official agreement. | MPE |
| <input type="checkbox"/> Onoway Tie-in Agreement: The Town has agreed in principle with the tie-in proposed at the lagoon site. DLC and the Town working on a wastewater services agreement which is expected to be finalized by the end of October. DLC noted the meter vault should be named "Town Wastewater Receiving Station" as this is where the change in ownership occurs for the wastewater. | DLC |
| <input type="checkbox"/> Onoway Lagoon Details: DLC requested the second gate be moved towards the lagoon to allow additional turnaround space for haulers. A roller style gate (not automated) is sufficient for the second gate. MPE to clarify the drawings to ensure the underground gravity main from the Town Wastewater Receiving Station to the lagoon is shown as the appropriate size on both the plan and profile (200 or 250 mm). DLC also requested that the gravity main be designed such that the entire pipeline is discharged. The current design has the final portion (approx. 30 m) surcharged due to the water elevation in the anaerobic cells. DLC to discuss details further (particularly with Jason Madge and the Town). | MPE |
| <input type="checkbox"/> Air Valves: Discussed various air valves currently proposed by MPE including Valmatic, ARI, and Vent-O-Mat. MPE to discuss with WILD to determine if a common supplier | DLC |

can be used for all air valves throughout the regional systems. MPE to discuss further with WILD. MPE confirmed that the air release manholes (precast concrete) are to be insulated on the exterior. MPE

□ WILD has provided the alignment crossing and parallel to Highway 642. MPE to coordinate location of the regional forcemain with the water transmission main.

□ MPE to post the specifications for the forcemain contract on the FTP site next week. Some items will have placeholders until various dates are finalized (i.e. tender start, close, etc.). DLC needs an agreement with the Town prior to tender. MPE

2.0 Lift Station:

□ The tower on the Sandy Beach Public Works Yard adjacent to the proposed wet well is owned by Xplornet. MPE has had correspondence with Xplornet to confirm offset requirements/proximity agreements and will continue to follow up. MPE

□ Based on the latest discussion on the potable water connection to the SRS building, DLC needs to have a follow up discussion with WILD to confirm cost considerations. DLC

□ DLC has initiated contact with the landowner to the West (Roger Dunsdall). MPE has provided updated drawings to reflect the lift station location west of Range Road 13. MPE further noted the proposed location was adjacent to a wetland and needs to shift either north or south to avoid the wetland and buffer. DLC noted the lift station can be moved either just north of the current location (approx. 20 meters north) or directly across from the driveway to the east. MPE and the Land Agent to have discussions with the landowner regarding a preferred location. MPE

□ Preliminary Lift Station drawings posted on the FTP site. Discussed the solids chamber – MPE to confirm the maximum depth vacuum trucks can clean (Ensure the 5.5 meter deep solids chamber is achievable for cleaning). MPE to also confirm cleaning schedule based on the anticipated solids entering the lift station. DLC also noted the cross over pipe could be raised to increase the volume of the solids chamber. MPE noted the solids chamber will always be full up to the cross over pipe which reduces the volume available for pumping and emergency storage. DLC's preference is to maximize the solids chamber volume to avoid solids entering the forcemain. MPE

3.0 Regulatory:

□ MPE has submitted a notification to AEP for the project. The notification also included a request for variance along Highway 642 where the wastewater forcemain is 1 meter offset from the water transmission main. MPE to update the request to a 1.5 meter horizontal offset and 0.5 m vertical separation. MPE

□ DLC has a meeting with AEP on Friday to discuss the overall regional project. MPE to join the meeting with AEP.

□ MPE has also engaged AEP under the Water Act for all creek and wetland crossings. This notification will be submitted after the alignment along Highway 642 is confirmed as it will go in as a single submission for the entire project. MPE

4.0 Miscellaneous:

□ Geotechnical Investigation is complete aside from the intermediate lift station site and along Highway 642. MPE

- Utility crossing agreements have been initiated. The following utility crossings are required (no update at this meeting other than the ATCO agreement is signed and Telus agreement is close):
 - ATCO natural gas – agreement received and signed by DLC.
 - Fortis – MPE working on crossing agreement for overhead power lines as well as proximity agreement where the forcemain is on the same side of the road as power. Fortis has advised (on July 21) that they are currently backlogged and have a 4 week turnaround on agreements.
 - In Play Oil – After reviewing further review the site is abandoned and currently owned by Conoco Phillips.
 - Pembina Pipelines – Crossing request issued on July 14. Pembina is also experiencing a high volume of third party requests but they are working on an agreement.
 - Ste. Anne Gas Co-op – The County and MPE are working with the gas co-op to ensure the agreement is in the proper name (Darwell Lagoon Commisison, not the Contractor nor MPE).
 - Telus – Crossing request made on July 13, ongoing discussions.
- DLC is working with the Summer Villages of Sandy Beach and Sunrise Beach to establish agreements for wastewater collection. **DLC**
- DLC needs rates from Onoway for discharge of wastewater to the lagoons. Jason to bring to the Town and establish rates. **DLC**

5.0 Schedule:

- Target Milestones as follows:
 - Forcemain Tender – November 15, 2020.
 - Lift Station Tender – December 1, 2020 (subject to Christmas Break).
 - Note the forcemain tender date has shifted due to the requirement to hold an Open House with the Town of Onoway.
 - Note the above dates are subject to approvals and land acquisition and will change as required. **MPE**
- MPE sent the potential tender and construction schedule for the Sandy Beach Lift Station to WILD. WILD indicated the truckfill may have a similar schedule but will coordinate as the schedule is confirmed over the next 5 months.
- DLC noted the bulk of the pipeline installation, not including valves, clean-outs, etc., needs to be complete by March 31, 2021. The remainder of the forcemain work can be complete by June 30, 2021. MPE to incorporate milestone completion dates for portions of the work in the specifications. **MPE**

6.0 Budget:

- DLC has reviewed the updated cost estimate and will use it moving forward for all discussions with municipalities and grant funding agents.

Meeting was adjourned at 11:30 am. Next meeting will be held October 20 at 10:00 am.

Recorded by: Ryan Sharpe

If there are any errors, omissions, or discrepancies, please contact the MPE office at (780) 486-2000.

DARWELL LAGOON COMMISSION

COST ESTIMATE

REGIONAL WASTEWATER TRANSMISSION LINE - PHASE A

				Spent to Date	
				30-Sep-20	
Wastewater Transmission Line		\$4,300,000.00		\$	-
Lift Station No. 1 and SRS		\$1,800,000.00		\$	-
Lift Station No. 2		\$1,200,000.00		\$	-
Miscellaneous		\$ 702,000.00		\$	-
Engineering	Proposal	\$493,929.00			
	Change Order No. 1	\$ 17,150.00			
	Change Order No. 2	\$ 46,691.00			
	Change Order No. 3	\$ 41,735.00			
	Eng. Contingency	\$110,495.00	\$ 710,000.00	\$237,266.45	33.4%
Project Management Services			\$ 100,000.00	\$ 55,390.76	55.4%
Contingency	10%		\$ 881,200.00		
			<u>\$9,693,200.00</u>	<u>\$292,657.21</u>	