



Corporation of the Village of Cumberland

2673 Dunsmuir Avenue
P.O. Box 340
Cumberland, BC V0R 1S0
Telephone: 250-336-2291
Fax: 250-336-2321
cumberland.ca

File No. 0540-20

Wastewater Advisory Committee Agenda, Meeting #16 Thursday, May 17, 2018, 1 pm to 4 pm Council Chambers

Invitees

Name	Representing	Present?
Matt Ishoy	Chair, Public member at Large	Y
Ken Barth	Public member at large	Y
Dennis Cassin	Public member at large	Y
Vig Schulman	Public member at large	N
Mike Tymchuk	Public member at large, Alternate Chair	Y
Anya Macleod	Public member at large	Y
Sean Sullivan,	Council Representative	Y
Jesse Ketler	Alternate Council Representative	Y
Nicole Rempel	K'omoks First Nation	N
Sundance Topham	Chief Administrative Officer	N
Rob Crisfield	Manager of Operations	Y
Paul Nash	LWMP Project Coordinator	Y
Larry Sawchyn	TetraTech, Technical Consultant	N
Troy Vassos	Troy David Vassos Inc, Technical Consultant	Y
Dave Cherry	Vancouver Island Health Authority	Y

Item, Time	Description	Owner
16.1	<ul style="list-style-type: none"> Call to Order, Approval of Agenda Meeting called to order at 1:05 <ul style="list-style-type: none"> Approval of agenda Moved Sean, seconded Mike, carried.	Chair
16.2	Approval of Minutes, Business Arising <ul style="list-style-type: none"> Review of Minutes 	Chair

	<p>It was noted that the date on the Parking Lot table read January 2017, when it should be January 2018. Amendment noted</p> <ul style="list-style-type: none"> • Motion to approve minutes as amended: <p>Moved Dennis, seconded Ken</p> <ul style="list-style-type: none"> • Review of Action list and Parking Lot <p>Paul explained that many of the items on the two tables have now been addressed, or are no longer relevant, and the tables for meeting #16 have shrunk dramatically and there are no longer any action items.</p> <ul style="list-style-type: none"> • Business Arising <p>None</p>	
16.3	<p>Review of council Meeting April 9</p> <ul style="list-style-type: none"> • MoE enforcement Action <p>Paul gave a quick overview of where we are at with enforcement – we have heard nothing further since the referral for administrative penalty.</p> <ul style="list-style-type: none"> • WAC recommendations on Treatment Options – Accepted <p>Sean gave an overview of Council’s deliberation on the treatment options – they enthusiastically supported all the WAC’s recommendations from January 25.</p> <ul style="list-style-type: none"> • Approval to apply to GMF for funding of the treatment project \$5M loan and \$750k grant <p>Approval was given, and the application was submitted on May 1</p> <ul style="list-style-type: none"> • Approval to apply to GMF for funding of the Biochar Reed Bed Pilot Project (\$20k for 50% portion) <p>Approval was given and the application is being prepared</p>	Paul, Sean
16.4	<p>Ministry of Environment Update Permit Amendment</p> <ul style="list-style-type: none"> • MoE enforcement Action (already covered by Paul) • Meeting April 3 • Permit amendments filed <p>Troy gave an update on the dealings with MoE in regards the Permit. The authorization to construct has been restored in the permit, and amendments seeking changes to the flow conditions have been submitted. Approval is expected within a few months.</p>	Troy
Break		

<p>6.5</p>	<p>Review of draft LWMP Stage 2 report.</p> <ul style="list-style-type: none"> • Context for potential future Stage 3 • Discussion • Comments/revisions/amendments from the WAC • Areas of further study <p>Paul and Troy walked the Committee through the draft report. Much of the report is the same content as the earlier Technical Memos.</p> <p>Some sections are new to the WAC, and were gone through in more detail;</p> <ul style="list-style-type: none"> • Resource Recovery. With the need to maintain summer flows to Maple Lake Creek, there is not the need for large-scale reclaimed water use. Opportunistic use (e.g. irrigation of the Village Park) is a future possibility, but is not a current priority. There is an opportunity for heat recovery from the effluent, for use in the adjacent hospital laundry. The intention is that Cumberland would make the effluent available for them to extract the heat if they choose, rather than Cumberland operating a heat recovery system, and this is being explored with Island Health. • Biosolids. With the decision to remain as a lagoon system, there will be periodic (5-10year) de-sludging episodes, and a small amount of continuously generated biosolids from the solids separation system. There is not enough volume to justify a dedicated biosolids treatment process and the logical option is to send these to the CVRD biosolids processing facility adjacent to the landfill. • Comox Lake Area Servicing. While there are numerous houses there on septic, and some fields known to be in poor condition, there is not enough information to make a meaningful recommendation on potential actions. Not all the properties by the lake are within Cumberland. A decision to connect houses to a local treatment plant or back to the Village may lead to increased pressure for development in the area. The recommendation is for targeted further study to be undertaken to determine the extent of the problem before any actions are considered. 	<p>Paul</p>
-------------------	---	-------------

	<ul style="list-style-type: none"> • Water Conservation. Cumberland has made good efforts on water conservation, especially since the introduction of water metering. There are some options for further improvement, such as rainwater harvesting and reclaimed water servicing of future subdivisions. There are no actions required in relation to the wastewater improvements other than displace potable water with treated effluent for “process water”, within the treatment works. This currently amounts to 1% of the dry weather flow. • Stormwater Management. Cumberland has been implementing measures for separation of combined storm-sewers, and will continue to do so. However, the wet weather in recent years has meant there has been little measurable difference in wastewater flows. Work will continue as funding permits on the separating the remaining combined sewers, and on other infiltration reduction initiatives. Continued action on reducing wet weather flows is a requirement of the Permit and will be a requirement of any approved LWMP. 	
<p>16.6</p>	<ul style="list-style-type: none"> • Endorsement of draft LWMP Stage 2 report. <p>Having reviewed the report, the Committee discussed whether any further time or review was needed, and concluded that they are ready to endorse the report, and have the Stage 2 LWMP process draw to close.</p> <p><i>Motion: That the Wastewater Advisory Committee endorse the draft Stage 2 LWMP report, and recommends to Council that the Report be finalized and submitted to the Ministry of Environment.</i></p> <p>Moved Ken, seconded Anya. Carried unanimously</p>	<p>Paul</p>
<p>16.7</p>	<p>2018 Activities</p> <ol style="list-style-type: none"> 1. Submission of Stage 2 Report This is expected to be done by end of June 2. Biochar Reed Bed Pilot Project This is expected to be up and running in late summer 3. Funding Applications <ol style="list-style-type: none"> a. GMF – already submitted 	

	b. Fed/Provincial “Green Infrastructure Fund” – open for applications in June, expected close in September	
16.8	<p>Elector Approval for Borrowing</p> <p>Rob explained that Council has approved a bylaw for long term borrowing of up to \$4.4M, which would allow implementation of the complete project with partnering funding, or if no funding is secured, to implement just phase 1. Elector approval for borrowing will be by an Alternative Approval Process, to be carried out in July.</p>	Rob
16.9	<p>Wrap up</p> <ul style="list-style-type: none"> • Next Meeting – do we need one? <p>Paul explained that with the completion of the LWMP stage 2, there is no official need for another WAC meeting, but he did not want to dissolve the committee just yet, as there may be a desire to meet in the fall regarding funding and project implementation.</p> <p>The committee agreed and did not want to dissolve, and suggested a meeting in late summer/early fall to review progress and inspect the reed bed field trial.</p> <p>A date was not set but nominally the meeting would be in September</p> <p>Adjournment</p> <ul style="list-style-type: none"> • Motion to Adjourn <p>Move Mike, seconded, Anya, carried.</p> <p>Meeting adjourned at 3:30. The earliest finish of the 16 meetings!</p>	Chair
	Public Q&A.	Chair

Attachments:

- Action Items List
- Parking Lot List

Cumberland LWMP - Action List May 17 2018

Date Initiated	Agenda Item	Initiative/Issue	Action	Who	By When	Status	Update/Resolution

Cumberland LWMP - Parking Lot Jan 25 2018

Date Added	Initiative/Issue	Description	Action	Who	Status
28-Jul-16	Houses on Septic	Update information on where and how many houses/places are on septic. What is the future management plan for these?	Include in Stage 1 as an item to be addressed in Stage 2	Paul	Done Part of LWMP Stage 2 report
28-Jul-16	Uptake of Phosphorus by wetland plants	What sorts of plants do this best, can they be prevented from releasing P?	Include in Stage 2 if wetlands are going to be used	Paul/ Troy	2017 Field studies showed that existing wetland plants are removing 97%
28-Jul-16	How have other communities paid for their projects?	Give some examples of financing and funding strategies used	Is actually a Stage 3 item – financing plan, but may include in Stage 2 for information	Paul	Dropped. Cumberland WWTP financing plan has been prepared
28-Jul-16	What are wastewater user rates in other communities?	Comparison of rate structures, particularly metered rates for wastewater	Is actually a Stage 3 item – financing plan, but may include in Stage 2 for information	Paul	To be part of 2019 budget preparations
28-Jul-16	Reclaimed water uses	Identify all the feasible consumptive uses of different qualities of reclaimed water	Part of the Integrated Resource Recovery Study to be reported in TM#11	Paul, Troy	Dropped – reclaimed water is not part of near term plans
25-Aug-16	Reclaimed water user rates	How have other towns charged for reclaimed water, what portion of treatment costs are covered?	Defer to Stage 3	Paul	Dropped – Reclaimed water is no part of near term plans
08-Sep-16	Stormwater	Status of stormwater management in Cumberland	Summary report to be included in Stage 2	Paul + Staff	Completed
06-Oct-16	Shellfish industry	What are their concerns about MLC	Fishery protection is deemed achieved by meeting Federal & Provincial effluent requirements	Paul	Dropped