



LIQUID WASTE MANAGEMENT PLAN

NEWSLETTER | SEPTEMBER 2016

Cumberland has restarted the Liquid Waste Management Plan process. The goal is to come up with a “made in Cumberland” solution for long term wastewater treatment.



Public Open House, Thursday September 22, 2016



What's happening?

Thank you to those who came to the Open House on July 14, 2016 to learn about the LWMP goals and evaluation system that the Wastewater Advisory Committee developed. The feedback provided at that meeting was valuable, and incorporated into the goals and evaluation system that were adopted by Council on August 8, 2016.

The Wastewater Advisory Committee has continued to work through the summer, and has come up with a short-list of Options for the discharge, and reuse of treated waste water.

Please join us for another Open House to learn more about this, and give us your feedback.

Public Open House

6:00 pm - 9:00 pm, Thursday September 22
Council Chambers, 2675 Dunsmuir Avenue

Committee meetings are open to the public, and attendance is welcomed. Agendas, minutes and updates will be posted on the Cumberland website.



Project Stages

The BC Ministry of Environment regulates the LWMP process, and there are three stages, all of which must include comprehensive public involvement and consultation.



1 Identify

- ✓ Define the baseline – Where are we now?
- ✓ Set the goals, using the OCP for context – Where do we want to be?
- ★ Develop the “long list” of options – How do we get there?
- ★ Screen the options to the “short list”
- Identify any knowledge gaps and further studies needed to fill them

2 Evaluate

- Detailed evaluation of the short list
- Carry out required studies, how do they impact the options?
- Select preferred option

3 Adopt

- Detailed study of preferred option
- Identify steps for implementation
- Develop financing plan
- Decision to adopt and implement
- Approval by Minister of Environment

★ Where we are now



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What is a “Discharge Option”



A Discharge Option is a place where the treated and disinfected water can go during summertime (May-Sep). In winter, Maple Lake Creek can handle all the flows, but in summer, the creek is subject to stringent Phosphorus removal requirements, which are difficult to meet. The objective in Stage 1 is to come up with alternative discharge locations, that are environmentally sustainable, technically feasible and acceptable to the community. These are then studied in detail in Stage 2. It should be noted that the various forms of water reuse, such as irrigation, do not actually represent a Discharge Option – they are discretionary uses, and a primary Discharge Option must be available in the event that there is no demand for reuse water – such as in a wet summer.

What are the Options?

The Wastewater Advisory committee has come up with a short list of six Discharge Options for summer flows. All of them assume treatment will continue at the existing site. These will be presented in detail and discussed at the Open House on Sept. 22.

1. Connect to the CVRD sewer system, and send fully treated water
2. Ground discharge through conventional surface infiltration basins
3. Deep ground discharge into old coal mines underneath Cumberland
4. Maple Lake Creek, if the Phosphorus criteria is made similar to current industry best practice
5. Storage of summer flows in a constructed reservoir, north of Teal Lake, with release in the fall
6. Storage of summer flows in a constructed storage wetland, adjacent to the treatment lagoons, with release in the fall

If you have any ideas, concerns or comments, you can email them to LWMP@Cumberland.ca, or send or deliver them to the Village office located at 2673 Dunsmuir Ave.



FAQ



Q: Will the final decision be made on the basis of cost?

A: Not on cost alone, though it is the single biggest factor. After receiving community feedback from the July Open House, the Committee changed the evaluation weighting from 20% for affordability to 40%, with 20% allocated each to economic, environmental and social benefits.

Q: What are the costs?

A: It is too early at this stage to make accurate estimations of costs for the different Options. The purpose in Stage 1 is to identify the options – costs will be determined as the Options are studied further.

Q: What type of Treatment System will be used?

A: That is still being studied, the main possibilities are an upgraded lagoon system, or replacement with a mechanical plant. A wetland as the main treatment system does not appear to be feasible, but could be used for effluent polishing and storage.

It's your village, have your say!

Wastewater Advisory Committee Representatives



Public Members

Ken Barth
Matt Ishoy
Mike Tymchuk

Dennis Cassin
Vig Schulman
Anya MacLeod

Village, First Nations and Technical members

Sean Sullivan, Council Representative
Jesse Ketter, Alternate Council Representative
Chief Robert Everson, K'omoks First Nation
Sundance Topham, Chief Administrative Officer
Rob Crisfield, Manager of Operations
Paul Nash, LWMP Project Coordinator
TetraTech Co, Technical Consultants
Dave Cherry, Vancouver Island Health Authority

Other government agencies that are involved, but will not be sitting on the Committee include;

- BC Ministry of Environment
- BC Ministry of Community, Sport and Cultural Development
- Federal Department of Fisheries and Oceans



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