



TOWN OF LAKE COWICHAN

Public Works and Environmental Services Committee

Tuesday, September 10th, 2019 at 6:00 p.m. – Council Chambers

AGENDA

1. CALL TO ORDER

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INTRODUCTION OF LATE ITEMS (if applicable)

2. APPROVAL OF AGENDA

3. BUSINESS ARISING AND UNFINISHED BUSINESS

(a) Watermain Upgrades for:

(i) Water Treatment Plant – Tour and Deficiencies-Update.

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(b) Ongoing Items Still Being Addressed:

(i) CLEC Water System-Update.

(ii) Directional Signage-Update.

(iii) In vessel composting system

4. DELEGATIONS AND REPRESENTATIONS

None.

5. CORRESPONDENCE

None.

6. VERBAL COMMENT FROM THE PUBLIC ON A SUBSEQUENT ITEM ON THE AGENDA–

(maximum 3 minutes per speaker and maximum time allotted 15 minutes)

7. REPORTS

(a) Chief Administrative Officer re: Siphon System and Pump Station.

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8. NEW BUSINESS

None.

9. NOTICES OF MOTION

10. PUBLIC RELATIONS ITEMS

11. QUESTION PERIOD (maximum 3 minutes per speaker and maximum time allotted 15 minutes)

- Limited to items on the agenda

12. ADJOURNMENT

Please note: Should this meeting end sooner than 7:00 p.m., the next meeting may start no later than 10 minutes after adjournment of this meeting.

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Memo

TO: Chair, Public Works and Environmental Services

SUBJECT: Update on Deficiencies at Water Treatment Plant

DATE: September 6, 2019

FROM: Chief Administrative Officer

BACKGROUND

Mayor Peters, Councillor Sandhu and Town personnel met with our consulting engineer from Stantec on August 14th, 2019 to review outstanding issues that still needed to be rectified with the new Water Treatment Plant. Shaun Swarbrick also attended the site with the contractors.

High level Update from Consulting Engineer:

- 1) Check valves now installed in backwash chamber. This means we can start running water through the filters (but not adding chemicals) – this should resolve the leaking air valve issue. We are aiming to have this up and running in the next 2-3 weeks – it involves sign off from Island Health which I will be contacting Murray and Alison to begin the process which has occurred.
- 2) We went over all deficiencies item by item last week – the deficiency list will be updated and re-sent out to all parties. High level notes for you to communicate to the Mayor:
 - a. Filters online in the next 2-3 weeks which should address the air valve issue, as well as some other process issues as a result of the low pressure in the system.
 - b. Trittech were on site last week addressing most of the minor deficiencies, I will be up on site again in 2 weeks or so when we aim to bring the filters online and will do another check at that time. Bartek (process engineer) will also be with me at that time.
 - c. Completion of the external works (paving primarily, grouting of manholes etc.) is scheduled to be completed by October 2nd, see attached email.
- 3) Trittech's price they have provided for the Soda Ash addition is far higher than we believe fair, so I am currently working on this in 2 parallel paths:
 - a. Trying to get Trittech down to a reasonable and fair price.
 - b. Going out to other firms locally to see if they can do the work at a more competitive rate. I will keep you updated as this moves forward.

Memo

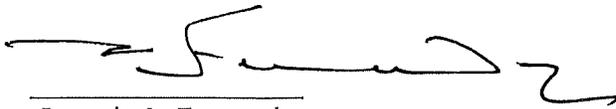
Re: Update on deficiencies at Water Treatment Plant

Additional information provided:

Paving work is to begin on October 2nd, 2019.

The critical path item is the delivery of the Soda Ash equipment. I still need a firm schedule from the supplier, and have pushed for it 3 times now, but based on the original estimates for fabrication, we're thinking that is early November.

The foregoing is compiled from emails received from Mr. Shaun Swarbrick, Stantec Engineer.

A handwritten signature in black ink, appearing to read 'Joseph A. Fernandez', written over a horizontal line.

Joseph A. Fernandez



Memo

TO: Chair, Public Works and Environmental Services

SUBJECT: Syphon System and Pump Station

DATE: September 6, 2019

FROM: Chief Administrative Officer

BACKGROUND

Despite verbal and written submissions made by council and staff to both the Ministry of Forests, Lands, Natural Resource Operations and Rural Development and Catalyst, the Ministry issued 10-year water license to Catalyst. On October 25th, 2016 council had passed the following motion at its regular meeting:

that the Committee support staff in their terms of acceptance with working with Catalyst on these terms;

- (i) the current proposal as submitted for the modifications be accepted as a temporary measure only;
- (ii) the Town accepts no responsibility for the operation and maintenance of the installed equipment; and
- (iii) permanent modifications which would necessitate the lowering of the water intake inlet be completed by April 2018 so long as these are acceptable to the Town and the responsible Approving Authorities.

Council needs to note that the responsible Approving Authorities were satisfied with the plans provided by Pater Excellence, formerly Catalyst Paper, and so long as the Town's water supply was assured.

Update

1. Province has clarified that the water license Town of Lake Cowichan has allows withdrawal of water from Cowichan Lake lists the existing pipe and related bits.
 - a. Included in these water withdrawal licenses is the understanding that the license holder is authorized to conduct works as was now indicated.
 - b. There were no further notifications or applications to submit to BC relating to this project required. Filters online in the next 2-3 weeks which should address the air valve issue, as well as some other process issues as a result of the low pressure in the system.
 - a. will do another check at that time. Bartek (process engineer) will also be with me at that time.

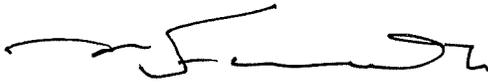
Memo

Re: Syphon System and Pump Station

As indicated on August 20th, 2019, Paper Excellence had some 3 loads of silt removed from the wet well. Syphon testing did not occur until the following week.

The damaged screen on the Town's intake was replaced by Paper Excellence after the second water intake was created.

Engineers from Paper Excellence continue to monitor the performance of the syphon but the presence of air bubbles is a cause of some concern. The syphon is in good working order to Brian Houle of Paper excellence.



Joseph A. Fernandez