



## TOWN OF LAKE COWICHAN

**Public Works and Environmental Services Committee**  
**Tuesday, June 18<sup>th</sup>, 2019 at 6:15 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) Greendale Trestle-Update
- (ii) Water Treatment Plant – Update.

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**(b) Ongoing Items Still Being Addressed:**

- (i) CLEC Water System-Update.
- (ii) Directional Signage-Update.

**4. DELEGATIONS AND REPRESENTATIONS**

**5. CORRESPONDENCE**

**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**

None.

**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 7:15 p.m., the next meeting may start no later than 10 minutes after adjournment of this meeting.

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## Joseph Fernandez

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**From:** Joseph Fernandez  
**Sent:** June 11, 2019 8:33 AM  
**To:** Aaron Brotherston  
**Subject:** RE: Greendale Crossing

Hi Aaron:

Everything flows through me now.

Thanks,

Joe

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**From:** Aaron Brotherston <brotherstona@ae.ca>  
**Sent:** June 10, 2019 2:41 PM  
**To:** Joseph Fernandez <jfernandez@lakecowichan.ca>  
**Cc:** Ann Stephenson <stephensona@ae.ca>  
**Subject:** Greendale Crossing

Hi Joe,

Just touching base with regards to the Greendale Crossing. It appears that the work is complete now, Im going to do one last walk through to confirm everything looks good. There is still a final payment certificate to go out as well as a release of holdback at the end of this month.

Now that Trevor is gone, do you have any one else you would like me to contact on this?

Also, the airvalve on the bridge and the gate to the air valve both require locks. This should probably be done as soon as possible.

Thanks!

**Aaron Brotherston, ASCT.**  
Civil Engineering Technologist  
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## Joseph Fernandez

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**From:** Joseph Fernandez  
**Sent:** June 14, 2019 2:37 PM  
**To:** Swarbrick, Shaun; Corey Makortoff  
**Cc:** Lockhart, Sean; Puchajda, Bartek  
**Subject:** RE: Lake Cowichan WTP: Soda Ash Layout for Change Order

Hi Shaun:

The layout works so long as the from the discussions we have had on site, the injection point is of sufficient distance for the soda ash treatment to be effective. We do not want any hiccups where we see additional costs.

Thanks,

Joe

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**From:** Swarbrick, Shaun <Shaun.Swarbrick@stantec.com>  
**Sent:** June 14, 2019 1:49 PM  
**To:** Joseph Fernandez <jfernandez@lakecowichan.ca>; Corey Makortoff <Corey.M@lakecowichan.ca>  
**Cc:** Lockhart, Sean <Sean.Lockhart@stantec.com>; Puchajda, Bartek <Bartek.Puchajda@stantec.com>  
**Subject:** Lake Cowichan WTP: Soda Ash Layout for Change Order

Hi Joe and Corey,

Please see attached layout for the proposed soda ash system in the new Water Treatment Facility. This essentially matches the discussions we had on site when Bartek and I were last on site a few weeks ago.

We propose to provide a containment curb around the system, which still allows for an access aisle between the containment curb and the south west corner of the flocc tank and the process piping in that area. The injection point for the soda ash will be into the first static mixer on the raw water line, and we will install a second static mixer on the raw water line further downstream (close to where the raw water line elbows vertically upwards to go into the flocc mixer tanks) where the alum will be injected into.

Let me know if you have any concerns or comments with this layout – we would like to finalize the change order based on this approach by the end of next week and get this into Tritech's hands for pricing. We estimate 2 weeks for this work to be installed once we get the soda ash equipment onsite.

Thanks, have a good weekend!

**Shaun Swarbrick** P.Eng

Associate  
Civil Engineer

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