

**From:** [Oke, Nick](#)  
**To:** [David Finch](#)  
**Cc:** [Hoos, Rick](#); [Claudia Simonato](#)  
**Subject:** RE: Your Voice Mail  
**Date:** July 5, 2019 12:56:02 PM  
**Attachments:** [image002.png](#)  
[image004.jpg](#)  
[image007.jpg](#)

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Good Afternoon David,

In order to make sure that I cover everything, I'll put everything in an email before I follow up by phone with you. I've included responses to your questions in red, below.

Best Regards,

Nick

**Nick Oke , M.Sc., P.Chem.** | Senior Vice President, Environment & Water Practice

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**From:** David Finch <dfinch@mvlwb.com>  
**Sent:** Thursday, July 4, 2019 5:21 PM  
**To:** Oke, Nick <Nick.Oke@tetrattech.com>  
**Subject:** RE: Your Voice Mail

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Ah one more thing ---

### **Spill Contingency Plan (continued)**

I note that fuel volumes are listed in Table 2, section 3.2 (thanks for including that). Is the diesel fuel volume accurate? The updated application indicated a volume closer to 3,075 L, but in the table it's 50,000 L. Also, aviation fuel is not listed in the table, though up to 2,050 L was a possibility in the application. **The current fuel volumes now reflect the contractor's expectations. They have not**

identified a need to store aviation fuel on-site. Englobe has confirmed that they anticipate storing all fuel in drums contained within portable secondary containment berms.

Thanks again,  
David

David Finch, MES  
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**From:** David Finch  
**Sent:** July 4, 2019 5:10 PM  
**To:** Oke, Nick <[Nick.Oke@tetrattech.com](mailto:Nick.Oke@tetrattech.com)>  
**Subject:** RE: Your Voice Mail

Hi Nick. No problem, I'll be around most of Friday. I just wanted to confirm some details with you before I start working on the board package for the ECCC Fort Reliance weather station remediation (MV2019X0004). The bullets below are pulled from the issuance letter of May 1, 2019. We can discuss this by phone tomorrow, or you can fire an email back to me if that's easier.

### **Waste Management Plan**

- Details on purge water management --- please confirm that the primary mitigation of contaminated groundwater is long-term monitoring --- there is a reference to chemical oxidants on page 8, but this is not described elsewhere. **Yes, long-term monitoring is being implemented, as described in the application. An oxidizing agent is planned to be added to the monitoring wells following each monitoring event to facilitate some enhanced rates of degradation of the petroleum hydrocarbon contaminants. Some detail on the process was previously forwarded to the MVLWB on April 18.**
- Details on contaminated soil storage --- I see is a reference in 4.3.3 about soil being containerized --- any information on container types or location on site? **The contractor will be storing excavated soil in hardwall bags (approximately 1m3 each), prior to being shipped offsite to licenced facilities in High Level and Ryley, Alberta. The contractor has tentatively selected an area east of the historical infrastructure for their temporary storage area. This location is to be confirmed during their planned upcoming site visit**
- Details on final soil quality criteria --- 4.3.3 and 4.3.4 only refer to "applicable criteria" or "generic criteria". **Detail on the development of site-specific, risk-based soil criteria was**

provided in Tetra Tech's responses to MVLWB questions on April 18.

- Details on the condition of the former tank farm liner and mitigation measures, as applicable. The results of the risk assessment concluded that the risk associated with leaving the contaminated soil in-place were acceptable, and by doing so, avoid risks associated with unnecessary near-shore excavations. The liner is not instrumental in on-going protection. Exposed portions of it will be trimmed, prior to re-grading the area to avoid surface water infiltration.

### Spill Contingency Plan

Just a note that notification of Lutsel k'e in the event of a spill is mentioned in 2.4.3 of the updated Engagement Plan, but I see no matching cross-reference in the Spill Contingency Plan section 5.3 or Appendix 6. You are correct. It appears that the contractor did not include this notification in their revised SCP. The plan will be updated accordingly.

### Engagement Plan

I expect that the two items below were part of the pre-project meeting in Lutsel k'e on July 3. Let me know if these have been addressed and if you received any feedback from the community. Hopefully the session went well.

- Long-term monitoring results The question regarding whether the plan to conduct long-term monitoring was still in effect was raised during Wednesday's meeting, to which the response was "yes". We are currently uncertain as to the communication pathway that would be engaged once the long-term monitoring results and reports become available. Would the MVLWB receive the reports and make them available on the registry?
- Radiation survey results A memo containing the preliminary results of the radiation survey was provided to the Board on May 30. We are currently finalizing the report, which we will then be able to provide to the Board. While Tetra Tech and Public Services & Procurement Canada personnel were prepared to speak to any questions regarding the radiation survey at the meeting on Wednesday, no interest was expressed or questions raised.

Thanks --- talk with you soon.

David

David Finch, MES

Regulatory Specialist

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**From:** Oke, Nick <[Nick.Oke@tetrattech.com](mailto:Nick.Oke@tetrattech.com)>

**Sent:** July 4, 2019 5:02 PM

**To:** David Finch <[dfinch@mylwb.com](mailto:dfinch@mylwb.com)>

**Subject:** Your Voice Mail

Good afternoon David, I received your voice mail regarding the Fort Reliance Waste Management Plan. I'll be happy to have a chat.....I'm tied up right now, so perhaps Friday morning?

Regards,

Nick

**Nick Oke , M.Sc., P.Chem.** | Senior Vice President, Environment & Water Practice

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