
To:	Ashleigh Fraser	Date:	December 17, 2019
c:		Memo No.:	003
From:	Travis Miguez, P.Met.	File:	VGEO03082-01
Subject:	Derwent Way Soil Transfer Facility – Responses to Port of Vancouver Memorandum Environmental Air Assessment Memo – Aug 29, 2017, Rev. 02		

Tetra Tech Canada Inc. (Tetra Tech) has prepared this memo to address the comments contained in the Aug 29 memo from the Port of Vancouver regarding air quality impacts due to the change in Project scope. The comments were provided via email and are itemized in a spreadsheet log. The comments that are addressed in this memo are items a) through d) in the memo.

The comments, along with our responses to the comments, are as follows:

- a) Provide a professional opinion on impacts to air emissions from the facility due to the design changes.

Tetra Tech response – The changes will result in lower overall emissions to air. The bulk of material handling operations will now occur within lock block walls which will line the enclosure along the west, north and east sides. The barriers will effectively shield fugitive dust emissions. The semi-enclosed nature of the structure is also an effective mitigation for reducing wind speeds which impact the storage piles, greatly reducing potential wind erosion and entrainment of particulate matter into the air. The structure will also greatly mitigate potential releases and downwind transport of any VOCs remaining within pore space of the storage piles.

- b) Provide an updated description of the facility overview highlighting changes to design and activities on site. Specifically addressing the implications of the potentially reduced storage area.

Implications of change to soil storage area, i.e. size, covered, etc.

Tetra Tech response – An updated description of the proposed facility overview is attached in the "Summary of Project." The changes made in the reduction of the soil storage area was done to avoid having a back log of trucks waiting to access the proposed facility. With the adjustments made to the proposed facilities size and layout it will avoid trucks potentially queuing on the roads.

- c) Provide an update to the best available technologies and procedures if appropriate.

Tetra Tech response – application of best available procedures is described in Section 9.1 of the Air Assessment Report. The procedures described suggest general best practices to reduce dust emissions. The change in Project scope does not alter these techniques.

We trust this technical memo meets your present requirements. If you have any questions or comments, please contact the undersigned.

Respectfully submitted,
Tetra Tech Canada Inc.

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