BY EMAIL

File: 26250-20/22560
Site ID: 22560

May 4, 2021

Imperial Oil Limited
Environmental & Property Solutions
505 Quarry Park Blvd. S.E.
Calgary, Alberta T2C 5N1
Austin.d.oleksyn@esso.ca

Dear Austin Oleksyn,

Re: Protocol 4 Application for Local Background Soil Quality Determination for Arsenic and Barium in Soil at 1724 Alaska Highway, Dawson Creek, BC

The Ministry of Environment and Climate Change Strategy ("the ministry") has completed a review of your application received January 20, 2021 for approval of local background concentrations in soil for arsenic and barium for the property located at 1724 Alaska Highway, Dawson Creek, BC, contaminated site id 22560 ("the Site").

The Site for which this approval is being issued is described as follows:

PIDs: 010-624-309
Legal Description: Lot 1 Section16 and 21 Township 78 Range 15 West of 6th Meridian Peace River District Plan 19021

A Site location plan is attached as Figure 1 for reference.

In reaching my decision I have relied on information provided in the following documents:

- *Application for Background Determination of Arsenic and Barium in Soil, Former Service Station, 1724 Alaska Highway, Dawson Creek, BC,* prepared by Golder Associates Ltd. dated January 5, 2021.

These documents describe soil investigations and statistical calculations undertaken to establish a local background concentration for arsenic and barium at the Site.

The purpose of the review was to determine if the submission satisfies the requirements set out in the ministry's protocol entitled Protocol 4 for Contaminated Sites – Establishing Background Concentrations in Soil ("Protocol 4"). Based on the review of the above-referenced documentation, the ministry has concluded that the submission meets the requirements specified in Protocol 4. The approved representative local background concentrations of arsenic and barium in soil at the Site are as follows:

- **Arsenic in soil of 15.1 mg/kg**
- **Barium in soil of 400 mg/kg**

The ministry acknowledges that the arsenic and/or barium concentrations in five samples; BH20-02-09 and BH20-15D-02 (arsenic); and BH 18-06-01, BH-05-02 and BH20-06-02 (barium) exceeded the above local background soil concentrations. These exceedances are the result of the Protocol 4 requirement to calculate representative concentrations based on the 95th percentile of sampling results and are still considered representative of background conditions.

Documents submitted in support of this application were reviewed for purposes of evaluating Golder Associates Ltd.'s conclusions regarding background concentrations in soil at the Site. The ministry has not reviewed information related to the assessment of potential site contamination. This letter, therefore, provides no opinion regarding the adequacy or completeness of investigations conducted to ascertain and address site contamination issues.

This approval is based on the most recent information available to the ministry regarding the above-referenced site. The ministry, however, makes no representation or warranty as to the accuracy or completeness of this information.

Please contact me at Heather.Osachoff@gov.bc.ca if you require additional information.

Sincerely,

Heather Osachoff

Heather Osachoff
for *Director, Environmental Management Act*

Attachment: Site Location Plan

cc: Aurelie Bellavance-Godin, Golder Associates Ltd. (Email) abellavance@golder.com
Vince Hanemayer, Sr. Contaminated Sites Officer, Ministry of Environment and Climate Change Strategy (Email) Vincent.Hanemayer@gov.bc.ca
Client Information Officer, Ministry of Environment and Climate Change Strategy (Email) csp_cio@victoria1.gov.bc.ca
Contaminated Sites Approved Professional Society of BC (c/o Anna Popova, Email) apopova@csapsociety.bc.ca

Figure 1: Site and Location Plan