



July 23, 2014

File #: 32936-20/037/Lemon Creek

Wayne Smook  
Sr. VP Airport Services  
Executive Flight Centre  
200- 680 Palmer Rd. NE  
Calgary AB T2E 7R3

Dear Mr. Smook:

**Re: MOE response to Proposed Modifications to the Lemon Creek Environmental Monitoring Plans**

Thank you for your July 22, 2014 submission of SNC Lavalin Inc.'s technical rationale for modifications to the approved Environmental Monitoring Plans (EMPs).

**A. Water/Sediment EMP**

The request to discontinue water and sediment sampling within Lemon Creek and the Slocan River is reasonable given the extensive monitoring effort to date, which indicates that remediation and natural attenuation have reduced residual hydrocarbon levels throughout the watershed. Recent data collected by the Slocan River Streamkeepers in early May found elevated hydrocarbons in a side channel downstream of Lemon Creek, which supports field observations indicating that spring freshet aided in flushing and mobilizing residual jet fuel trapped beneath boulders and cobbles within Lemon Creek. SNC has proposed to continue to observe and document conditions along Lemon Creek and the Slocan River. Given that there was still residual sheen and odour noted in late May when substrates were disturbed, SNC should provide more specific details on how conditions will be documented (e.g., approximate dates for site visits, what type of documentation will be made, sampling plans if hydrocarbons are observed, etc.).

**B. Biological EMP**

The requests to modify some components of the approved biological EMP also are reasonable. SNC's rationale for no further fish tissue/tainting sampling is supported. As noted by SNC, Jeff Burrows (Senior Fisheries Biologist, Ministry of Forests, Lands, and Natural Resource Operations), has reviewed the proposed changes to the fish community monitoring and mark-recapture programs and also agreed that the specific changes seemed reasonable and have sound rationale.

**C. Reporting**

The revised reporting timelines are acceptable. As discussed at our meeting on July 14th, please provide electronic copies of past and future raw data generated from both the Water and Sediment and Biological EMPs to Jolene Raggett.

Please contact me if you have any questions.

Yours truly,



Robyn Roome  
Director, Monitoring, Compliance and Stewardship

JR/sb

cc: Jolene Raggett, Environmental Assessment Biologist  
Brad McCandlish, Senior Environmental Protection Officer  
Cory Bettles, Practice Lead, SNC Lavalin Inc.