

February 6, 2009

File: A2005590

Ministry of Public Safety and the Solicitor General (EMBC)
PO Box 9223
Stn Prov Gov, BC V8W 9J1

Attention: Ann Griffin

Re: Application for approval to make changes in and about the Fraser River at Tranmer Bar - Approval File #2005590

An approval for the proposed changes in and about Fraser River has been granted, subject to the conditions noted on the attached Approval document A2005590.

If you have any questions or concerns please contact the Portfolio Administrator, Water Stewardship Division, at 604-582-5200.

Yours truly,



Julia Berardinucci
Regional Water Manager

Enclosure

cc: Adam Silverstein, Fisheries and Oceans Canada
Bruce Wright, Nova Pacific Environmental
Vic Galay, Northwest Hydraulic Consultants

re/tb



APPROVAL

WATER ACT - Subsection 9(1), Clauses (a), (b) and (c)
(Changes in and about a stream)

Ministry of Public Safety and the Solicitor General (EMBC)

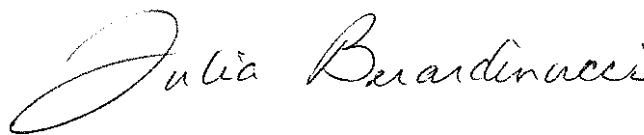
is hereby authorized to make changes in and about a stream as follows:

- (a) The name of the stream is **Fraser River**, herein referred to as "the stream".
- (b) The changes to be made in and about the stream are:

To extract and remove approximately 186,000 m³ of gravel and sediment and construct a temporary bridge, temporary stream crossings with culverts, and temporary roads all within: unsurveyed foreshore or land covered by water being part of the bed of Fraser River, together with Island 27, Section 21, Township 3, Range 28, W6M, together with DL 154, all of YDYD (Lands File 2410025) and foreshore or land covered by water being part of the bed of Fraser River, Section 20, Township 3, Range 28, W6M, YDYD.
- (c) This Approval does not authorize entry on privately held land or Crown land.
- (d) This Approval does not constitute authority of any other agency.
- (e) The holder of this Approval shall take reasonable care to avoid damaging any land, works, trees, or other property and shall make full compensation to the owners for any damage or loss resulting from the exercise of rights granted hereunder.
- (f) The work authorized shall be completed on or before March 30, 2011, and the holder of this approval shall advise the Portfolio Administrator at 604-582-5200 when the changes have been completed.
- (g) The holder of this approval shall advise the Regional Water Manager at 604-582-5353 prior to commencement of construction of the works.
- (h) Adam Silverstein, Fisheries and Oceans Canada, at 604-666-2855 shall be notified prior to commencement of construction/in-stream work.
- (i) All in-stream work shall be undertaken during the period of January 1 to March 15, unless extended by Fisheries and Oceans Canada.
- (j) Upon commencement of the project, the work shall be pursued to completion as quickly as possible.
- (k) Any machinery operated in the stream shall be free of excess oil and grease.
- (l) Gravel excavation shall be completed in isolation of the stream flows.

- (m) Care shall be exercised during all phases of the work to minimize siltation of the stream and to eliminate the release of raw concrete, concrete leachate, and any other debris or deleterious substances.
- (n) Vegetation in the stream channel and along its banks shall be disturbed as little as possible.
- (o) Where possible, site preparation and construction of the bridge works is to be carried out from the banks of the stream, thus minimizing disturbance to the stream.
- (p) The bridge abutments and causeway shall be adequately protected against erosion.
- (q) The bridge, abutments and any approach fill will be removed and the stream channel restored to a natural condition prior to March 15 of the same year that work is undertaken, unless extended by Fisheries and Oceans Canada.
- (r) All works shall comply with plans and mitigation measures described in the November 20, 2008 report entitled *Fraser River Gravel Removal Plan Proposed Tranmer Bar Extraction – 2009*, prepared by EMBC, Scott Resource Services Inc. and Northwest Hydraulic Consultants. The bridge crossing shall be located at the farthest upstream of the two location options shown in the Tranmer Extraction 2009 Plan View, dated November 19, 2008.
- (s) The works shall be altered to conform to changing river patterns on orders from the Regional Water Manager.
- (t) All temporary works shall be removed on completion of the project.
- (u) Prior to the commencement of the works authorized under this Approval, the holder of this Approval shall have all the necessary permits from all the other agencies concerned.
- (v) Prior to the commencement of the works authorized under this Approval, the holder of this Approval shall obtain authorization from Fisheries and Oceans Canada.
- (w) The holder of this Approval shall retain a qualified Environmental Monitor to supervise all in-stream works authorized under this approval. The Environmental Monitor shall have full authority to stop the contractor's work if it is considered detrimental to the environment.
- (x) The approval holder shall retain a qualified Professional Engineer to monitor the construction of the bridge and connecting causeway authorized under this approval. The Engineer will meet with contractors on-site before construction commences.
- (y) In light of the ever changing physical characteristics of the Fraser River, should the work authorized under this Approval commence later than within two in-stream work windows following the date of issue of this approval, which for this approval would be work commencing later than January 2010, the approval holder must submit a revised construction plan, drawings (plan, profile and cross-sections) and mitigation plan at least 60 days in advance of commencing work.

- (z) A post-extraction environmental monitoring report shall be completed and submitted to the Water Stewardship Division of the Ministry of Environment within one month of completion of the work. This report will include the approval file number, site location, frequency of monitoring, a brief description and date of completion for each work stage, the total volume of gravel removed, and description of any incidents related to environmental issues or emergencies that occurred on the site and mitigation measures.
- (aa) A monitoring program shall be completed, including pre-extraction and post-extraction sampling of sediment size, invertebrates and fish, specifically including but not limited to sturgeon, according to the specifications provided by Emergency Management BC and Fisheries and Oceans Canada. A copy of the report describing the results, labeled with the approval file number, will be submitted to the Water Stewardship Division of the Ministry of Environment.
- (bb) The Approval holder shall obtain proof of ownership and written consent from the land owner(s) before commencing work on private property. A copy of these documents, labelled with the Approval file number, shall be provided to the Water Stewardship Division of the Ministry of Environment.



Julia Berardinucci
Regional Water Manager