

December 23, 2008

File: A2005591

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 Fraser River  
Approval 2005591**

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An approval for the proposed changes in and about Fraser River has been granted, subject to the conditions noted on the attached Approval document 2005591.

Please be advised that applications for an approval can take up to 140 days to process. If possible, please provide future applications at least 45 days in advance of your proposed start date.

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/sj

## 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 155,000 cubic metres of gravel and sediment all within unsurveyed foreshore or land covered by water being part of the bed of the Fraser River within portions of Section 23 and 24, Township 3, Range 30, West of the Sixth Meridian, New Westminster District (including Lands Files 2410026, 2406383 and 2409677) and unsurveyed foreshore or land covered by water being part of the bed of the Fraser River in the vicinity of District Lot 333, Group 2, New Westminster District (Lands File 2409930).
- (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 31, 2010, 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 vicinity of the stream shall be free of excess oil and grease.
- (l) Gravel extraction shall be completed in isolation of the stream flows, where possible.
- (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 along the banks of the stream 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 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.
- (q) All works shall comply with the following documents provided by the applicant: the Harrison Bar 2009 Excavation Plan submitted December 5, 2008 and bridge crossing drawings 08-GC-0141-1 and 2, dated October 21, 2008 unless revised to meet Federal Government requirements.
- (r) The works shall be altered to conform to changing river patterns on orders from the Regional Water Manager.
- (s) 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 including the Integrated Land Management Bureau of the Ministry of Agriculture and Lands and the Navigable Waters Protection Division of Transport Canada.
- (t) Prior to the commencement of the works authorized under this Approval, the Approval holder shall obtain authorization from Fisheries and Oceans Canada.
- (u) The Approval holder shall retain a qualified Environmental Monitor to supervise all in-stream works authorized under this Approval. The Environment Monitor shall have full authority to stop the contractor's work if it is considered detrimental to the environment.
- (v) The Approval holder shall retain a qualified Professional Engineer to monitor the construction of the bridge authorized under this Approval.
- (w) 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 is commencing later than October 2009, 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.

- (x) A post-extraction environmental monitor's 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 undertaken.
- (y) A monitoring program shall be completed, including pre-extraction sampling of sediment size, invertebrates and fish, according to the specifications provided under contract by Emergency Management BC and by regulation by Fisheries and Oceans Canada. A copy of the report describing the results, labelled with the Approval file number, will be submitted to the Water Stewardship Division of the Ministry of Environment.
- (z) The Approval holder shall obtain written consent from the land owner before commencing work on private property. A copy of this consent, labelled with the Approval file number, shall be provided to the Water Stewardship Division of the Ministry of Environment.

  
Julia Berardinucci  
Regional Water Manager