

February 4, 2010

File: A2005691

Emergency Management BC (EMBC)
P.O. Box 9223 Stn Prov Govt.
Victoria, BC V8W 9J1

Attention: Ann Griffin

Re: Order for Changes In and About a Stream on Approval A2005691 on Fraser River

Enclosed is a copy of an Order amending Clauses (b) and (o) of Approval A2005691 on Fraser River.

This new documentation should be attached to your copy of the approval.

All the other conditions of the original approval still apply.

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

Yours truly,



Julia Berardinucci
Regional Water Manager

cc Jim Scott, Scott Resource Services Inc.
Vic Galay, northwest hydraulic consultants
Dennis Fountain, Link's Contracting and Aggregate Supplies Ltd.

ORDER
WATER ACT
Section 18 (4)

File No. A2005691

The Province of British Columbia *Water Act* having received an application to amend Approval 2005691, which authorizes changes in and about the Fraser River, and being satisfied that no person's rights will be injuriously affected, I hereby amend Clauses (b) and (o) to read as follows:

- (b) To install and remove a temporary bridge, a temporary access ramp with culverts, and a temporary haul road and to remove a maximum of 185,000 m³ plus 10% of gravel and other sediment from unsurveyed foreshore or land covered by water being part of the bed of the Fraser River, Group 2, New Westminster District, held under Lands File 2410309; that part being Island Number 10 of Legal Subdivision 8, Section 15, Except: thereout that part of Island Number 2 of Fractional Legal Subdivisions 1 and 2, Section 17, Township 3, Range 29, West of the Sixth Meridian and District Lot 2085, Group 1, together with unsurveyed foreshore or land covered by water being part of the bed of the Fraser River, New Westminster District, held under Lands File 2410205; and that unalienated and unencumbered land situated within New Westminster District and Yale Division of Yale District, held under Lands File 2409917.
- (o) All works shall comply with the "Gill Bar 2010 Excavation Plan Draft", dated November 26, 2009, prepared by northwest hydraulic consultants (nhc) and submitted by the Approval holder; the "Crossing A: Greyell Slough (locally known as Jespersen Side Channel) Access Ramp with Culverts (Temporary Structure), General Arrangement Plan", dated December 2009 and prepared by Link's Contracting & Aggregate Supplies Ltd. and EMBC; and the "Lower Fraser River Sediment Removal Program Proposed Gill Central Sediment Removal - Winter 2010" report, dated November 19, 2009 and prepared by Scott Resource Services Inc.

Dated at Surrey, BC this 4th day of February 2010.



Julia Berardinucci
Regional Water Manager

January 21, 2010

File: A2005691

Emergency Management BC (EMBC)
P.O. Box 9223 Stn Prov Govt.
Victoria, BC
V8W 9J1

Attention: Ann Griffin

**Re: Application for approval to make changes in and about Fraser River
Approval 2005691**

An approval for the proposed changes in and about Fraser River has been granted, subject to the conditions noted on the attached Approval document 2005691.

The Approval holder and their representatives should refer to the Ministry of Environment's guidelines for sturgeon sampling and assessment methods. The guidance that is currently available is titled "Lower Fraser White Sturgeon Spawning and early Juvenile Habitat Assessment, Mitigation and Monitoring Methodology" and is a working version dated September 22, 2009 (copy attached). It is understood that DFO and MoE are currently collaborating on finalizing the document. In this specific circumstance, pre-extraction sampling for sturgeon is not required if work commences before August of 2010.

Please be advised that applications for an approval can take up to 200 days to process. If possible, please provide future applications at least 90 days in advance of your proposed start date.

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

Yours truly,



Julia Berardinucci
Regional Water Manager

Enclosure

pc: Jim Scott, Scott Resource Services Ltd; Vic Galay , Northwest Hydraulic Consultants; Dennis Fountain, Link's Contracting and Aggregate Supply Ltd; Jason Hwang and Laura Rempel, Fisheries & Oceans Canada (DFO); Ross Neuman, Environmental Stewardship Division (ESD)

RE / ds

APPROVAL

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

Emergency Management BC (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 install and remove a temporary clear span bridge, a temporary access ramp with culverts, and a temporary haul road and to remove a maximum of 185,000 m³ + 10% of gravel and other sediment from surveyed unsurveyed foreshore or land covered by water being part of the bed of the Fraser River in the area known as central Gill Bar and Greyell Slough within part of Island #10 of Legal Subdivision 8, Section 15, Except Part of Island 2, Fraction Legal Subdivisions 1 and 2, Section 17, Township 3, Range 29, West of the Sixth Meridian and District Lot 2085, Group 1, New Westminster District (Lands Files 2410205, 2409917 and 2410309).
- (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) Work within the wetted perimeter of the stream shall be undertaken during the period of January 1 to March 15, unless extended by Fisheries and Oceans Canada, so that the fisheries interests are protected.
- (g) Upon commencement of the project, the work shall be pursued to completion as quickly as possible.
- (h) Any machinery operated in the stream shall be free of excess oil and grease.
- (i) All proposed gravel removal shall be completed in isolation of the stream flows.
- (j) Vegetation along the banks of the stream shall be disturbed as little as possible.

- (k) 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.
- (l) Prior to the commencement of the works authorized under this Approval, the holder of this Approval shall obtain authorization from Fisheries and Oceans Canada.
- (m) The holder of this Approval shall retain a qualified Environmental Monitor to supervise all in-stream works authorized under this Approval. In the event of an environmental incident or non-compliance with any of the terms or conditions of this Approval, the Environmental Monitor shall notify the Regional Water Manager (604 582-5200), within 24 hours.
- (n) The culverts of the access ramp shall be placed so as to permit the free passage of fish.
- (o) All works shall comply with the "Gill Bar 2010 Excavation Plan" prepared by nhc and submitted by the Approval holder, the "Crossing A" "General Arrangement Plan" prepared by Link's Contracting & Aggregate and EMBC dated December 2009, the preliminary bridge design drawing 09-223-01 Rev'A, and the "Lower Fraser River Sediment Removal Program Proposed Gill Central Sediment Removal - Winter 2010" report prepared by Scott Resource Services, dated Nov. 19, 2009.
- (p) The holder of this Approval shall advise the Regional Water Manager prior to commencement of the work.
- (q) The work authorized shall be completed on or before April 15, 2011, and the holder of this Approval shall advise the Water Information Technician (604-582-5200) when the changes have been completed.
- (r) All temporary works shall be removed on completion of the project.
- (s) The holder of this Approval shall retain a Professional Engineer to oversee the construction of the access ramp and bridge works authorized under this Approval and to monitor in person, on-site work at critical points of ramp and bridge installation when and where there is significant risks to the physical environment or the successful completion of the installation.
- (t) In light of the ever changing physical characteristics of the Fraser River, should the work authorized under this Approval commence later than July of 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.
- (u) A post-work completion 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.

- (v) The approval holder shall implement a monitoring program to assess impacts from gravel extraction on fish and fish habitat. That monitoring program shall include pre-extraction and post-extraction sampling of sediment size, invertebrates and fish according to the specifications provided by Emergency Management BC, Fisheries and Oceans Canada and the Ministry of Environment. Following completion of the monitoring program, a copy of a report describing the results, labeled with the approval file number, will be submitted to the Water Stewardship Division of the Ministry of Environment.

- (w) Where possible, site preparation and construction of the bridge works is to be carried out from the banks of the wetted channel, thus minimizing disturbance to the stream.


Julia Berardinucci
Regional Water Manager

File No.: **A2005691** Date Issued: **January 21, 2010** Approval No.: **2005691**
Precinct: **20C - Chilliwack**
