

# NECHAKO FISHERIES CONSERVATION PROGRAM

A Joint Program of the Government of Canada, Rio Tinto Alcan and the Province of British Columbia

## NECHAKO FISHERIES CONSERVATION PROGRAM TECHNICAL COMMITTEE

DATE: September 2, 2009

---

### Decision Record (2009/10-2)

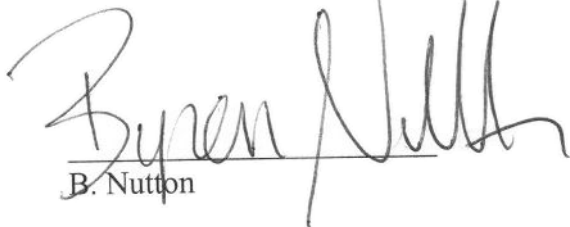
The Technical Committee has been made aware of the following:

- Releases from the Skins Lake Spillway (SLS) made as part of the Summer Temperature Management Project (STMP) were decreased to 14.2 m<sup>3</sup>/s late on August 18, 2009 to decrease flow in the Nechako River below Cheslatta Falls from the STMP base flow to the fall chinook spawning flows. The predicted recession of the flow in the Nechako River at Cheslatta Falls required the SLS release to be increased to 32.61 m<sup>3</sup>/s on September 2 to ensure that the flow in the Nechako River below Cheslatta Falls did not drop below 32.61 m<sup>3</sup>/s.
- As noted on the attached calculation sheet, the average flow of 32.61 m<sup>3</sup>/s is to be released from the Skins Lake Spillway from September 2 to March 31 to ensure the Annual Water Allocation is achieved.

Given the above, the Technical Committee has decided that Rio Tinto Alcan be directed to maintain the Skins Lake Spillway release as follows:

- the average Skins Lake Spillway release over this period September 2, 2009 to March 31, 2010 is to be at or above 32.61 m<sup>3</sup>/s;
- the minimum release from the reservoir is not less than 31.0 m<sup>3</sup>/s;
- releases from the Spillway to be managed in a manner to achieve release from the Nechako Reservoir of the annual water allocation without having to spike releases in the latter part of the water year; and,

- the running average of the release is to be calculated and reported monthly to the Technical Committee.



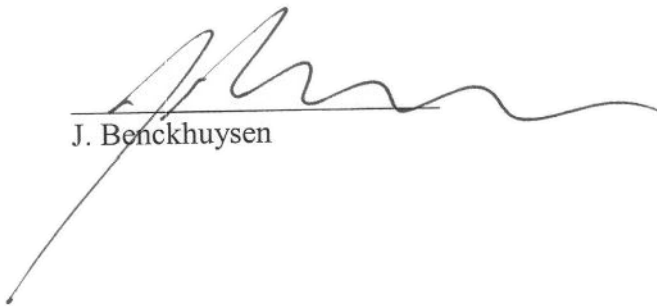
---

B. Nutton



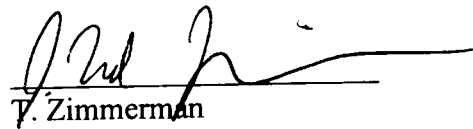
---

D. Levy



---

J. Benckhuysen



---

T. Zimmerman

Date: August 21, 2009

Project: 4111; NFCP Annual Water Allocation - Estimated Winter Base Release

Annual Average Flow Rate = 36.8 m<sup>3</sup>/s (as per the 1987 Settlement Agreement)

TIME PERIOD (JD)	TIME (Days)	FLOW (m <sup>3</sup> /s)	Volume (m <sup>3</sup> /s*Days)
Apr01 (09) to April 30 ( )	30	32.66	979.8
May 1 to Aug17 (229)	109	49.0	5,341.0
Aug18 (230) to Sept 2	14	14.16	198.2
Sept 2 (245) to Mar31 (90)	212	X	212X
	365		6,519.0 + 212X

Annual Volume = 36.8\*(365) = 13,432 m<sup>3</sup>/s\*Days = 6,519.0 + 212X

X = 32.61 m<sup>3</sup>/s (1,152 cfs)

The Skins Lake Spillway release required to ensure release of the Annual Water Allocation by March 31, 2010 is 32.61 m<sup>3</sup>/s (1,152 cfs)