

MEETING Summarization

Nechako Enhancement Society TGP Workshop

Wednesday, July 13, 2005

9:00 a.m. – 2:00 p.m.

BCIT Downtown Campus
555 Seymour St.
Room 281

Attendees:

Bonnie Antcliffe (DFO), Dave Innell (DFO), Dr. L.E. Fidler (AAS), Dan Bouillon (Alcan), Gord Enemark (NES), Clyde Mitchell (Triton), Rod Bell-Irving (AXYS), Sherry Fortais (AXYS), Wenda Mason (MOE),

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- 1. CCME and BC Water Quality Guidelines for DGS**
 1. At Kenney Dam target not to exceed 110% TGP measured in river below the flip bucket spillway (Guideline A)
 2. Measured below Cheslatta Falls TGP levels not to increase from existing levels. (Guideline C)
 3. Measured below Skins Lake spillway TGP levels not to increase from existing levels. (Guideline C)
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- 2. Modeling**
 1. Existing model (Triton March 2005) adequate to show 110% criterion at Cold Water Release Facility is adequate to meet guideline C below Cheslatta Falls (i.e., TGP will not be exacerbated from existing levels)
 2. Future Modeling, 2 scenarios were identified but it was concluded that it would not be required at this time. They were:
 - a. Lower flows in Murray-Cheslatta system, hence lower TGP at Cheslatta Falls
 - b. Dissipation of TGP with distance downstream from Cheslatta Falls in the Nechako River.
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- 3. TGP Data Requirements**
 1. Collect pre and post CWRP TGP data to characterize TGP at Cheslatta Falls will be required to demonstrate that Guideline C is achieved at Cheslatta Falls.
 2. Collect pre and post CWRP TGP data to characterize TGP at Skins Lake spillway will be required to demonstrate that Guideline C is achieved at Skins Lake spillway.
 3. The data collected from steps one and two above, will be used to validate the assumed TGP/flow relationship (i.e., monotonically increasing TGP with flow).
 4. Post CWRP TGP monitoring below Kenney Dam required to demonstrate that Guideline A is achieved.
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- 4. Next Steps**
 1. Ensure the CWRP design achieves 110 % TGP or better at Kenney Dam. This should be finalized before item 3 above is undertaken.
 2. Operation of Hollow cone valve needs to be confirmed that it operates as predicted. Starting point would be to review the Northwest Hydraulics report 1991, Hollow cone valve hydraulic model gas transfer tests.
 3. Prepare a proposed methodology for monitoring (steps 3 (1) and (2) above) and submit to Agencies for review prior to undertaking any field program
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