



Peace River Water Use Plan

Physical Works Terms of Reference

GMSWORKS-2 Peace River Baseline TGP/Temp

**Addendum 1
May 31, 2019**

A1.0 Addendum to GMSWORKS-2 Peace River Baseline TGP/Temp

A1.1 Addendum Rationale

The original objective of the GMSWORKS-2 program is to assess spatial variation in water temperature from the forebay of W.A.C. Bennett Dam in Williston Reservoir, through Dinosaur Reservoir, and in the Peace River downstream of Peace Canyon Dam to the confluence with the Pine River. The program also included maintenance of TGP equipment to be transferred to the GSMON-11 PCR Spill TGP/Temp monitoring program in the event of a spill or periodic flood pulse event under the Peace River Flood Pulse Plan. Monitoring under GMSWORKS-2 was scheduled to continue for a 10-year duration beginning in 2008 and ending in 2019.

This Addendum continues baseline temperature monitoring from upstream of the W.A.C. Bennett Dam to the Peace Canyon Dam tailrace to provide information on the temperature regime under normal operating conditions and the influence of reservoir operation on the downstream temperature. This Addendum will discontinue temperature monitoring at sites that are in the future inundation zone of the Site C reservoir including sites upstream and downstream of each of the Halfway River, Moberly River, and Pine River. Maintenance of TGP equipment will continue to ensure readiness in the event of a spill from W.A.C. Bennett or Peace Canyon Dam.

A1.2 Objective and Scope

Addendum 1 extends GMSWORKS-2 to continue baseline water temperature monitoring at sites upstream of the Site C inundation zone and to ensure TGP equipment readiness in the event of a spill. In the event of a spill, data will be made available to GSMON-11 PCR Spill TGP/Temp monitoring.

Temperature loggers installed at the following locations will continue to be maintained for the duration of the program:

- Forebay of W.A.C. Bennett Dam
- Forebay of Peace Canyon Dam
- Tailrace of W.A.C. Bennett Dam
- Tailrace of Peace Canyon Dam

A1.3 Approach

Tasks outlined in the GMSWORKS-2 Terms of Reference (February 9, 2008) will continue to be followed as part of this Addendum.

A1.4 Key Water Use Decision Affected

Results of Addendum 1 will be used to inform future decisions that may relate to the influence of upstream reservoir operation on the downstream temperature.

A1.5 Schedule and Budget

Total Revised Program Cost: \$355,026.