Coquitlam-Buntzen Water Use Plan

Physical Works Terms of Reference

COQWORKS#1 – Flow Release Valve

Addendum 1

June 12, 2008
A1 Addendum to COQWORKS#1 – Modification of Coquitlam Dam Release Facilities

A1.1 Addendum Rationale

Initiation of the modification of the Coquitlam Dam flow release facilities (low level outlet) has been delayed several years based on the required completion of Coquitlam Dam seismic upgrade. Based on the original Comptroller of Water Rights approval for an August 2006 modification, further project delay approvals were provided based on continuation of the seismic upgrade project. The currently proposed release facility modification date is July 2008 with initiation of the required instream flow release in September 2008.

A1.2 Schedule

The projected completion date of the Coquitlam Dam seismic upgrade is 31 August 2008. Provided this completion date is realized installation of the low level outlet (LLO) will commence 1 September 2008 with initiation of the instream release 1 October 2008.

A1.3 Budget

The revised budget describes the following changes to reflect the current reality and plan going forward for this physical work:

- Estimated 24% construction related labour and materials inflation since original 2005 cost estimate
- Gate house power supply upgrades to ensure reliable operation
- Site support and management costs given inability to cost share with seismic upgrade project
- Fall protection upgrades, site safety procedures, and modified gate installation technique to ensure compliance with safety BCH safety practices
- Increase from 15% to 25% contingency based on complex installation procedure and uncertain condition of aging materials encountered during LLO replacement

In total, LLO installation is anticipated to cost $1,308,000 including inflation and contingency, compared to the approved budget of $612,121.