

## Water Ultraviolet Disinfection

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### **Coquitlam Ultraviolet Disinfection (2006 – 2010)**

In 2005, in response to changes to the Canadian Drinking Water Quality Guidelines, the GVWD Board approved an upgrade of the Coquitlam facility to include ultraviolet (UV) primary disinfection. A combination of ozone and UV treatment is an effective way to eliminate *Giardia* and *Cryptosporidium*. This project may also replace the need for more filtration at Coquitlam, which has significantly less potential for turbidity than sources at Seymour or Capilano.

### **Existing Primary Disinfection**

Existing facilities at Seymour and Capilano presently use chlorine for primary disinfection. However, these facilities will be phased out when the SCFP is brought on line in 2008 and the twin tunnels project is completed in 2009.