



Kamloops Centre for Water Quality – Design and Construction Services
City of Kamloops

The construction of the Kamloops Centre for Water Quality (KCWQ) was completed in early 2005. Previously, the water supplied to Kamloops residents was not filtered – it was chlorinated, but chlorination alone is not considered adequate treatment. The budget for the KCWQ was \$48.5 million, and funding of \$23.2 million was received under the Canada-BC Infrastructure Program.

The project was guided by a fundamental commitment by the City of Kamloops and their consultants to a vision that articulates the broad principles and potential for the project to derive significant added value for the community. The KCWQ utilizes innovative ultrafiltration membrane technology supplied by the Canadian firm Zenon Environmental Inc., and has an ultimate capacity of 200 mega-litres per day (ML/d). It is one of the largest membrane facilities in Canada. A research and operator training area is included in the facility.

The intention of the design was that the facility will be sustainable. The building has been designed to meet the requirements of the Leadership in Energy & Environmental Design (LEED) program at a Silver certification level. This will be the only accredited Silver water plant in Canada.

The consulting team is a collaboration led by Urban Systems Ltd. and Stantec Consulting Ltd, who have been working on various studies together with the City since 1993 to refine the concept and confirm the treatment process through pilot testing, and to complete the predesign and detailed design for the facility. The project construction commenced in 2003, with the team providing construction administration services. The facility has been supplying clean drinking water to Kamloops residents since its grand opening in February 2005.



client
City of Kamloops

project
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services
Conceptual Design;
Predesign; Detailed Design;
Construction and
Administrative Services

year
1993 – 2005

file
7.0368.0387.03