

**Date:** 12 May 2006

**Subject:** Snowy Hydro installs new sewage treatment plant at Cabramurra

## **Snowy Hydro installs new sewage treatment plant at Cabramurra**

Over the past year major upgrade works have occurred in Cabramurra with the installation of a new sewage treatment plant (STP). The new plant was built to comply with the new Environmental Protection Licence issued by the Environment Protection Authority.

The old STP was constructed in early 1970 and consisted of a simple primary and secondary treatment process and not tertiary treatment. The main benefit of this new system includes the addition of tertiary treatment of filtration and UV disinfection, and significantly improving the water releases from the plant.

The new STP has several new structural elements including an underground pump station, treatment tanks, balance tank, filters and backwash tank, plus a new building designed to house chemical storage, dosing facilities, filters, UV disinfection units, and control equipment. Prior to the STP being commissioned, treated effluent from the site was tested by a National Association of Testing Authorities registered laboratory which concluded that all physical, chemical and biological test results successfully met the new licence requirements by 100%.

“This is not only a tremendous outcome for Snowy Hydro, but for the Kosciuszko National Park which surrounds Cabramurra,” said Darren Davis, Snowy Hydro’s Area Manager for Upper Tumut.

The treatment process is automated and is monitored by localised SCADA (Supervisory Control and Data Acquisition) system, which electronically displays all critical information such as readings and fault alarms. Similar treatment processes are also being successfully used in the NSW Ski Resorts of Perisher Blue, Thredbo and Charlottes Pass.

The total cost of the project, including planning, design and construction was \$2.7 million.

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