

## **City of Caldwell Idaho Wastewater Treatment Plant: Phosphorus Removal Written Progress Report**

9 February 2017

The city of Caldwell has completed a pilot study to test filter media configurations in conjunction with Xylem –Intuitech. The testing was also performed in conjunction with chemical additions at various points to observe the best results.

Pilot testing efforts occurred in synchronization with an updated facilities planning effort. The Planning effort included a Bio-Win Model and tested several parameters and expected future infrastructure needs related to growth and compliance.

We also conducted in-plant testing in an effort to discover the most optimum Biological nutrient removal process given the plant's existing construction and configuration.

The City of Caldwell has submitted plans for the future filter building construction/operation and have been received and approved by the Idaho Department of Environmental Quality. Bidders for the construction of the filter system and building have been prequalified and will be solicited for bids in the coming weeks.