

## **EcoFlush to treat portable toilets**

Product: EcoFlush Trial setting: Portable toilet in a mine

Location: Andes Mountains, above 3000 meters altitude, Chile

Test by: Engineer Alberto Alday Pantoja,

Cultivos Ecológicos y Protección Ambiental CEPASA, SA.

Lota 2267 oficina 206, Providencia Santiago Chile

Phone: 56 2 231 1112

## Objective

Control smell and clean water in portable toilets.

Mines located at high altitude are common in the Andes Mountains of Chile. Each one of these mines host thousands of workers at the time. Due to lack of infrastructure, the mines depend on the use of portable toilets. These portable toilets are routinely left for 2 weeks of use, then transported to a station where they are drained, washed and returned for a new use cycle. Since these disposal plants are located at significant distances from the mines, the transport cost is very high. Under normal conditions of use and under the local temperature conditions the smell is already bad by the second day of use.

## Methods

Clean portable toilets were filled each with 180 liters of water, their normal filling capacity. 100 gr of EcoFlush were dissolved in 4 liters of water. One liter of water was added to each toilet.

## Results

After 28 days of use there was no smell in any of the treated toilets, nor there were feces accumulated. However, there was still toilet paper that did not degrade.