

ProSweet* Replaces Equipment Solution for Odor Control

Challenge

A large suburban county received numerous complaints about an odor originating from a neighborhood lift station. The county implemented aqueous treatment for hydrogen sulfide using peroxide. Although program costs were in excess of US\$250,000 per year, the complaints did not stop.

The county then procured special equipment to treat air exhaust from the station. This device moistens air flow, and then carries it through a biofilter with carbon filtration polishing. Although this helped reduce complaints significantly, the capital costs were in excess of US\$80,000. This did not include a large cement pad and set-up costs for electricity and water demand. Operating costs for a 5,000 cfm (8,500 m³/hr) air flow were estimated to be over US\$25,000 per year.

Solution

GE Infrastructure Water & Process Technologies recommended its patented ProSweet evaporative odor neutralizing system. Because the neutralizer is a blend of 19 different kinds of plant oils, it is effective against a broad spectrum of odors. And since the agent is USDA approved, all natural and biodegradable, operators felt comfortable working around the application.

A demonstration was scheduled during the hottest part of the year to compare results against the biofiltration treatment. Because the unit is easy to install and operate, the local GE representative was able to set up the demonstration easily, with no help from the county operators.

Results

The ProSweet system ran for two weeks without a single odor complaint. Because the system is compact, it could be located within the existing structure out of the sight of neighbors.

Although the county had already purchased the equipment, it decided to implement the ProSweet system based upon ease of operation, low capital and reduced operating costs. Capital cost for the unit was well under US\$10,000, with continuous yearly operating costs under US\$10,000.



Find a contact near you by
visiting gewater.com or
e-mailing custhelp@ge.com.

Global Headquarters
Trevose, PA
+1-215-355-3300

Americas
Watertown, MA
+1-617-926-2500

Europe/Middle East/Africa
Heverlee, Belgium
+32-16-40-20-00

Asia/Pacific
Shanghai, China
+86 (0) 411-8366-6489

©2005, General Electric Company. All rights reserved.

*Trademark of General Electric Company; may be registered in one or more countries.

CH1002EN 0512