

Powered by Amino-Carbon Technology® (ACT)

AERO™ Replaces Hydrogen Peroxide – (Verona, Missouri) USA

ABSTRACT

In July 2000 a pilot test was conducted to compare the effectiveness of 35% hydrogen peroxide a powerful oxidizing agent to Biofeed AERO™, an organic product proven to naturally increase dissolved oxygen in waste streams to reduce noxious odors.

BACKGROUND

American Dehydrated Foods in Verona, Missouri, dehydrates broken egg waste from egg waste from egg production facilities into dried egg powder, which is used in dog food and other animal feeds.

PROCEDURE

The Facility has two large air scrubbers designed to remove production odor emissions. The scrubbers had been using a 35% hydrogen peroxide solution with limited success. Also, the waste lagoon at the facility was producing objectionable odors adding to the problem. AERO™ was added to the waste stream in place of the hydrogen peroxide and was subsequently allowed to flow into the waste lagoon.

RESULTS

AERO™ was over 2.5 times more effective in odor reduction than hydrogen peroxide at 1/3 the cost, and AERO™ is substantially less corrosive to the odor control equipment, further reducing down-time and general maintenance costs. Also, the waste lagoon odors were significantly reduced due to the increased dissolved oxygen levels by the use of AERO™.

Innovation That GrowsSM