Hog Farm Eliminates Surface Crust & Reduces Effluent BOD by 70% with MICROBE-LIFT®/HOG in South Korea

Location: **Swine Farm, South Korea**

Background: This hog farm had a concrete lagoon system that had a completely encrusted surface that caused problems with pumping and field application of the manure. Odor was a problem.

Objective: This farmer applied MICROBE-LIFT®/HOG and the results are recorded in the following photos.

Results Achieved: Results started showing in the first three days and by the end of 45 days of lagoon treatment the lagoon surface was completely clear.

Fig.1:
On the day of inoculation, the crust was very thick and covered the entire lagoon.

Fig.2:
In only three days the crust has been disrupted with clear patches evident

Fig.3:
At four days, more clear patches are noted and the crust has dissolved into a slurry form.

Fig.4:
With only five days of treatment, most floating solids have disappeared.

Fig.5:
At the end of the 45-day treatment program, the surface of the lagoon is absolutely clear with no visible floating solids.

As a result of treatment, the scum was eliminated, odors were gone, and effluent BOD was reduced by 70%.

The novel microbial consortium in MICROBE-LIFT®/HOG provides excellent degradation capabilities with extreme ecological diversity that allows it to excel in anaerobic, facultative, aerobic, and photosynthetic environments. Its capabilities provide the energy and metabolic capability required to meet the demands of today's higher volume production facilities.

For more information on MICROBE-LIFT® Technology contact

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