ASSOCIATE CASE STUDIES

Poultry Waste & Odor Remediation

Location
Iowa, USA

Problem
90,000 poultry per day at slaughterhouse had excessive surface fat, oils and grease (FOG) buildup with very bad odors in treatment tanks. Wastewater treatment capacity was 2,250 cubic meters per day with an eight day retention time. Low efficiency in reducing BOD with final effluent at 860 mg/L.

Treatment
Our specialized microbial blend applied daily to wastewater treatment tanks.

Results
Odors and surface fats, oils, and grease (FOG) were eliminated. BOD reduced from **860 mg/L to 121 mg/L** in effluent. Wastewater treatment plant efficiency was increased from **55% to 86%** within **90 days** of treatment.

Before

After

Location
Ohio, USA

Problem
High ammonia levels inside high-rise poultry layer barns in colder months. Unable to vent houses due to cold temps outside. Eyes burn, skin burns, and reduced feed conversion.

Treatment
Our specialized microbial blend applied directly to high-rise pits misted on top of manure.

Results
Ammonia levels in pits reduced to below 50ppm within 4-5 days of product application. Further reduction to below 20ppm in 6-8 days. Eye and skin burn eliminated. Return of beneficials. Stress to birds reduced, improving feed conversion. Ammonia levels reduced by **84% and 93.5%** in just over a week at both layer pit houses.

Regular once-monthly applications of our microbial blend continued indefinitely due to effectiveness, ease of application, and cost savings resulting in reduced labor costs and return of beneficials.