



A CASE HISTORY: Poultry Processing Plant Waste Water Treatment Reducing odors and improved lagoon efficiency.

Product Overview: Bio-Regen FOG is specially formulated to enhance the natural biodegradation process of fats, oils, greases and other organo-solids in grease traps, lift stations, waste lagoons. FOG combines Carboxx, 3 Tier's proprietary Activated Humic Acid, with our scientifically blended Bio-Cat Booster, a diverse package of essential amino acids which stimulate and accelerate the molecular breakdown of grease & oil, complex sugars and other proteins.

BR FOG doesn't simply emulsify fats and oils and push them downstream which causes problems with the local municipal wastewater systems. Both the Carboxx and Bio-Cat Booster work synergistically to fractionalize the fats and oils, ultimately converting these complex molecules into simpler forms which are consumed more efficiently by the micro-organisms present and manage related odors.



Before Treatment



After Treatment

Site Overview: A California based poultry processing and cooking plant was faced with severe problems in their waste stream. Due to the nature of their process, malodors were heavily present and solids, primarily in the form of grease, formed a significant cap on their 6 Million gallon waste holding lagoon.

Application Overview: At the inflow portion of the lagoon, an initial "charge or shock" dose of 18 gallons of Bio-Regen FOG was applied to the 6 million gallon lagoon. The lagoon's daily inflow was then treated by injection of 3 gallons per day.

Application Result: Within days, the odor was significantly reduced and it was clear the treatment protocol was having a very positive effect on the solids build up as this slowly began to break-up disappear. Within 60 days the cap was virtually eliminated. The facility continues on the daily program and we are now working on other plant issues and sludge management/reduction.

Summary: 3 Tier Technology's Bio-Regen Bio-Cat FOG proved to be a very effective tool at reducing the obnoxious odors from the Poultry plant. In addition Bio-Cat Booster enhanced the breakdown of solids by rapidly stimulating bioactivity. Contact your local 3 Tier Distributor for a site specific solution.

