



Food Processing Treatment Products

Corn Products Producer in Brazil

A company in Conchal, SP Brazil, is a producer of manioc flour. They have an equalization tank of 1000 cubic meters, an aeration tank of 1000 cubic meters, a flotation tank of 78 cubic meters, and one reactor tank of 1000 cubic meters. Problems existed with foul odors, as well as high BOD and COD results.

Treatment began using Mega-Bac X Granulated bacterial product. Using effluent from the treatment station, two tanks of 2000 liters each were inoculated with Mega-Bac X Granulated for nine days. After two weeks, the tanks were inoculated with half the starting dosage of Mega-Bac X Granulated per day, and aerated for four hours.

The test conducted at Corn Products maintained an average COD of 8237 mg/L in the first and second weeks of treatment. Improvement in the COD levels continued into the third week (COD level of 5542 mg/L), and peaked in the fourth week with a COD level of 3906 mg/L.

Using Mega-Bac X Granulated effectively reduced COD levels by 52.6% within four weeks, proving to be an effective treatment for the reduction of COD in corn flour production facilities.