

Wastewater Treatment Products



HARRIS COUNTY PRIVATE UTILITY

The Harris County Private Utility is a wastewater facility serving the community of Harris County. Prior to treatment, the Utility had difficulty maintaining effluent quality within permit levels of 10mg/L BOD and 15 mg/L TSS. Their BOD levels were frequently at 500 mg/L with TSS levels frequently reaching 600 mg/L. In addition, solid waste disposal was a continuing problem.

Treatment was started using Micro-Bac wastewater products. Within the first three months of application, plant operations personnel noted a 50 mg/L reduction in the average BOD and a 12mg/L reduction in average TSS levels in the chlorinated effluent.

In addition, during the application of Micro-Bac products, chlorine residual increased and remained well above the permit requirement, indicating a substantial removal of nutrient in effluent without changing the chlorine application rate.

The use of Micro-Bac wastewater products by the Harris County Private Utility eliminated the need for process modification, reducing solid waste disposal by 59%.