

Industrial Laundry

This facility washes heavy industrial rags and towels from furniture manufacturing, ink roll towels, automotive and other operations. The wastewater process uses flow equalization for the 60,000 gpd flow, pH adjustment with sulfuric acid, coagulation, metal precipitation, flocculation followed by dissolved air flotation. The facility had difficulty meeting the effluent metals for Copper (1.5 ppm) and Zinc (1.0 ppm) on a consistent basis.

Integrated Engineers has proven that the use of only CO₂ for pH adjustment and Floccin-1105 can improve effluent water quality at a reduced cost/gallon treated. Recent comparative analytical results are shown below:

Analyte	Old Chemistry	Floccin 1105
Chemical Oxygen Demand	9,000 ppm	1,800 ppm
Total Suspended Solids	1,200 ppm	20 ppm
Copper	2.4 ppm	1.2 ppm
Zinc	1.8 ppm	0.3 ppm

