

## Case Study #03

**Client Category:** Manufacturer of blood plasma products

**Location:** Los Angeles, California, USA

**Physical Plant:** Six-stage 430 gallon clarifier. Retention time 30 minutes.

**Flow:** 110,000 GPD (gallons per day)

**Problem:** City surcharges for excess BOD and TSS average \$50,000.00 per quarter.

**Previous Treatment:** Chlorine injection after clarifier. The BOD of influent and effluent were virtually the same.

**Custom Treatment:** *Custom FM* was continuously injected into the system at the rate of 2 drums per month. Bionutrients were also added.

**Custom Results:** An ten day product trial produced to following results:

	Influent	Effluent	Comments
Day #	BOD	BOD	
1	2565	2175	15% reduction in one day
8	3240	1800	<b>44% reduction after one eight days</b>
END			
16	4700	4400	Treatment discontinued to observe