

CAF[®] CASE STUDY

Tannery



Model CAF-25 installed in a tannery.



Solids floating on the surface.



Sludge being discharged into a screw conveyor.

Problem:

With the advent of stricter wastewater regulations adopted by federal and local authorities, tanneries across the country were being pressured to pre-treat their wastewater prior to discharge. In some areas, these regulations were being enforced without warning.

CAF Performance

	<u>Influent</u>	<u>Effluent</u>	<u>% Reduction</u>
FOG	6282	281	95.5
TSS	5017	138	97.2
BOD	1940	987	49.1
COD	5980	2160	63.8
Chromium	22.2	0.32	98.5
pH	6-10	6-8	-

Solution:

Hydrocal performed pilot tests at several facilities and excellent results were obtained. The main challenges encountered were balancing the flows and controlling pH levels. HydroCal easily solved these problems and installed a CAF system to treat the wastewater.

In some tanneries, the CAF is being used to remove sulfide on a continuous basis and eliminate batch processing. This allows the recycling of water and chemicals in the water.

The Solution is Clear.

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