

Ice Cream

Problem:

This ice cream maker, established almost 70 years ago, is one of the largest premium ice cream companies in the USA. The plant discharged its wastewater to the local sanitation plant until 1987, at which time heavy restrictions were placed on their discharge permit. The plant manager hired a consulting firm, and together they proceeded to investigate wastewater treatment systems that could solve their problem simply and economically.



*CAF-50 Flotation System installed above grade.
Equalization Tanks also shown.*

Solution:

Hydrocal tested the plant effluent and guaranteed the results of the CAF Flotation System. This guarantee, along with excellent references from satisfied HydroCal customers, convinced the consulting engineer and plant personnel of the effectiveness of HydroCal innovative technology. They purchased a CAF-50 and within three months the plant was in compliance.

CAF Performance

	<u>In (mg/l)</u>	<u>Out (mg/l)</u>	<u>% Reduction</u>
COD	18,000	2,000	88.8
FOG	4,800	80	98.3
TSS	1,800	180	90.0

The pH of the effluent is adjusted to 7 and polymers are used to help break out the contaminants.

The Solution is Clear.