

CAF[®] CASE STUDY



Fiberglass

Problem:

A major fiberglass manufacturer, with plants across the nation, had been discharging its effluent to settling and evaporation ponds. With the inherent liabilities of ponds, alternate methods were evaluated but found to be ineffective.



CAF unit and clarified effluent holding tank.



Clear effluent.

Solution:

After an initial trial with our CAF Flotation System, lasting almost three weeks and never altering the plant's manufacturing process, the final results were excellent.

A new CAF Flotation System was installed and began removing fiber, resins, and dyes from the wastewater stream. The effluent from the CAF unit was so clean, the plant engineer decided to recycle it for resin make-up and for use in the process line showers.

A few months later, a trial was performed at one of their Ohio plants. The manufactured product was the same, however, the process was slightly different.

Since then two more of their plants have purchased CAF systems, and the company now has a total of six HydroCal CAF systems in operation.



Cavitation Aeration.

- Most of the plants operate 24 hrs/day, 7 days/week.
- Total flow per day is 60,000 to 120,000 gallons.
- Suspended solids in the clarified effluent average 25 ppm.
- Chemical cost per day is approximately \$25.00.

The Solution is Clear.

23011 Moulton Parkway, Suite G5, Laguna Hills, CA 92653 USA Tel. (949) 455-0765
email: info@hydrocal.com website: <http://www.hydrocal.com>