

# CAF® CASE STUDY



## Pulp and Paper #1

### Problem:

This company manufactures Gypsum Wallboard on a one-cylinder machine. It furnishes recycled paper (box, cardboard and newsprint) and it operates 340 days/year. The system holds 100,000 gallons at 120°F. It's objective was to reduce sewer loading.



### Solution:

Hydrocal installed a CAF-150 unit and shut down the original pumps. The plant now shows a 97% reduction in sewer loading by recovering fiber, leasing wells to others, and recycling water to showers seals, and pulper. There is no bacteria or odor buildup, and the chemical cost is \$36,000 per year.

Influent: 600 gpm at 1750 PPM  
(Water intake from the city is 100 gpm.)

Effluent: 600 gpm at 50 PPM recycled

### Benefits

<b>Sewer Savings</b>	<b>\$235,000/yr</b>
<b>Water Savings</b>	<b>50,000/yr</b>
<b>Heat Savings</b>	<b>60,000/yr</b>
<b>Recovered Fiber</b>	<b>50,000/yr</b>
<b>Electrical Savings</b>	<b>36,000/yr</b>
<b>Reduced Maintenance</b>	<b>30,000/yr</b>
<b>Payback in three months</b>	

## The Solution is Clear.

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