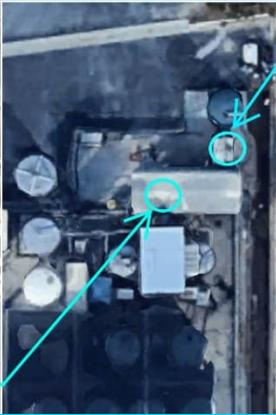


Full Stream Silt Separation Skid for Heat Exchanger & Cooling Tower



Issue: Cooling tower exposed to blowing dust from traffic, dumping, and debris entering the cooling water and plugging the heat exchanger used to cool batch fertilizer system reactor. Required Daily Cleaning taking hours to perform.

Solution: Enter Epiphene with our silt separator, the CPH-16. We performed a “Jar Test” to show what we could settle, and it showed we were the perfect solution. We recommended the 250 GPM CPH 16 skid shown below right.

Epiphene Compared to Competitors

1 Agitated Sample → 2 Competitors Removal Performance → 3 Epiphene's Removal Performance



CPH-16 Silt Collection Chamber

System Performance:

The Silt Separator on the left shows the solids continuously collected and periodically flushed. One can see the dirty water coming in below the collection chamber and the solids removal in section above not shown.

The strainers on the right were installed to keep larger debris and trash out of the separators, pumps, and cooling tower.



Low Pressure Loss Y Strainer

Results:

CPH-16 Silt Separators achieved our goal of removing significant solids per pass.

Customer went from changing the filter bags daily to once per 40 days.

Dramatically increased the # of batches processed and decreased labor costs.

Ultimately paying for itself in just a few months.

