



CWT
CLEAN WATER TECHNOLOGY

Canned

CWT Treats Canned Food Processing Water

Convenience, safety and food scarcity concerns make canned food products a “staple” at home. Over the years, however, tough environmental scrutiny has led to changing regulations thus more challenges for processors. CWT provides savings to fruit and vegetable canning companies and the aluminum canning companies as well. The fact that seasonal activity in the canning industry is predominant in various parts of the U.S. makes wastewater treatment activities challenging. Processors often do not want to make a large investment in wastewater treatment when they only produce 5 - 6 months out of the year.

Challenge

As water conservation efforts in production facilities increase, the contaminant levels of the waste stream also increase. Good treatment is not only inevitable but buyers want their suppliers to be leaders in sustainable practices. Although our client was engaging in the best practices regarding growing and canning, they were still receiving fines and chose to act sooner rather than later.

Solution



To address the seasonal nature of crops and canning in the Midwest, CWT’s GEM System operates in batches meaning it only runs when needed. Until cleaning in place (CIP) occurs, the GEM System can turn on or off according to automated level sensors in the EQ or flash tank. During CIP, the GEM System will run at full capacity or level determined between CWT and Client. At the end of the season, the GEM System can be rinsed, purged and left idle until the following season. CWT began with some laboratory tests (no cost to client) and then performed an onsite demonstration. Results are as follows:

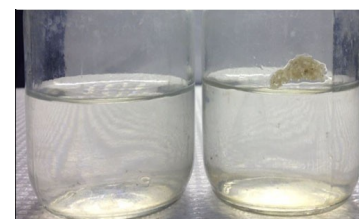
PARAMETER	INFLUENT	EFFLUENT	% REDUCTION	PH COAG / CAT / ANI
TSS / ppm	3,600	20	99%	pH: 6.5 200/20/10
COD / ppm	19,500	13,500	33%	
Turbidity / NTU	2,000	2	99%	

Before and After



PARAMETER	GEM INFLUENT	GEM EFFLUENT	% REDUCTION	PH COAG / CAT / ANI
TSS / ppm	970	10	99%	pH: 8.6 100/20/40
COD / ppm	21,000	1,700	93%	
Turbidity / NTU	2,000	8	99%	

Before and After



CWT | Industrial Wastewater Leaders
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