

# KEMCO CASE STUDY

## Laundry - Correctional Institution

### (ASH) Air Sparged Hydrocyclone System

Kemco Systems, Inc. provided a 100 GPM ASH wastewater treatment system for recycling of laundry wastewater at a state correctional institution in California. The system included an ASH system followed by sand filtration. The performance of the system is excellent and produces clear effluent averaging 120,000 gallons of recycled water every week or over 6,000,000 gallons per year.

At present the laundry achieves 65% recycle with the system at a low cost of treatment. Sample analytical results are given in the table below.

### Prison Laundry Laboratory Result

PARAMETER	RAW	TREATED	% REMOVED
Turbidity	190 NTU	8.7	95%
TDS	990 mg/L	1,170	-
BOD	510 mg/L	230	65%
Oil & Grease	220 mg/L	33	85%
TSS	152 mg/L	4	97%

