

KEMCO CASE STUDY

Laundry - Hospital

(CMF) Ceramic Microfiltration

A hospital laundry, located in North Carolina, installed a wastewater recycling system due to restriction in water availability and ever increasing water costs. They installed a Kemco (CMF) system which is now providing recycled water for the needs of the laundry.

Laundry wastewater is pumped from the washroom pit to a shaker screen followed by the CMF system. CMF product water (called "filtrate") is sent to the laundry's hot water system and from there to the washing equipment which are Continuous Batch Washers (CBW) processing hospital linens. Dependent upon production levels and time of day, the CMF system provides for up to 90% of the washroom water needs.

A sample analysis of the water is given in the table below:



CMF and NF Treatment Results Hospital Laundry

PARAMETER		
SAMPLE	COD*	TSS*
Raw (Pit) Wastewater	715	48
CMF Product	326 (93%)	3
NF Product	218 (95%)	2

*Concentration in parts per million. (%) = % removed

