



Minnesota
Pollution
Control
Agency

Water Quality

Wastewater
Technical
Review and
Guidance

PRESSURE FILTRATION – REVIEW CHECKLIST

Water/Wastewater/#5.58, May 2001

FACILITY NAME

DATE

CONSULTING ENGINEER

SITE INSPECTION (DATE & INSPECTOR)

PLANNING OR DESIGN PHASE

Number of Chambers

Size of Filter Plates

Cake Thickness (inches)

Feed Rate (gpm)

Feed Solids Conc.

Solids Capture (%)

Cake Solids Cons. (40 – 50%)

Filtrate Solids Conc.
(mg/l)

Filtration Cycle Time
(hrs.)

Feed Pressure (psi)

Type of Chemical Conditioning & Chemicals

Type of Filter Cloth
(mono filament best)

Type & Size of feed Pumps

wq-wwtp5-58

Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194
(651) 296-6300, toll-free (800) 657-3864, TTY (651) 282-5332 or (800) 657-3864

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Method of Cake Removal
(automatic or manual?)

Method of Operation – continuous or
intermittent?

Number of hours of operation per week

Location of where filtrate is recycled to (usually
headworks)

Method of Sludge Cake Disposal

Cake Incineration – Is there a cake shredder or
delumper?

System for Filter Cloth washing & what interval
is proposed?

Type of Seal – built in gasket or filter cloth as
gasket?
