



Minnesota
Pollution
Control
Agency

Water Quality

Wastewater
Technical
Review and
Guidance

MECHANICAL DEWATERING FACILITIES – REVIEW CHECKLIST

Water/Wastewater/#5.45, May 2001

FACILITY NAME

DATE

CONSULTING ENGINEER

SITE INSPECTION (DATE & INSPECTOR)

PLANNING OR DESIGN PHASE

A. General

1. Adequate capacity for sludge
2. Number of mechanical units
(adequate to dewater sludge with
largest unit out of service)
3. Standby wet sludge facilities or
adequate storage for at least four (4)
days sludge production
4. Documentation to justify basis of
design

B. Water Supply Protection

1. In accordance with ten (10) States
Standards

C. Auxiliary Facilities for Vacuum Filters

1. Back-up vacuum
2. Back-up filtrate pumps
3. Uninstalled back-up vacuum and
filtrate pumps for every three (3) or
less vacuum filters (provided the
units are easily removed and
replaced)
4. At least one (1) filter media
replacement unit shall be provided.

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D. Ventilation

1. Adequate ventilation
(in accordance with Ten States Standards)
2. Condition exhaust air to avoid odor nuisance

E. Chemical handling equipment automatic?

F. Drainage from beds, ponds or filtrate returned to
appropriate treatment process points

G. Other dewatering process should have detailed
description of process and design data to accompany
plans
