# MECHANICAL DEWATERING FACILITIES – REVIEW CHECKLIST

**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.
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