

**NATURAL RESOURCES CONSERVATION SERVICE
OPERATION AND MAINTENANCE**

**WASTE TREATMENT LAGOON
(no.)
CODE 359**

Cooperator: _____ Field Office: _____

SWCD: _____ Field No.: _____

Farm No.: _____ Tract No.: _____

OPERATION AND MAINTENANCE ITEMS

The estimated life span of this practice is **15 years**. The life of this system can be assured and usually increased by developing and carrying out a good operation and maintenance program.

This practice will require you to perform periodic operation and maintenance to maintain satisfactory performance. Here are some recommendations to help you develop a good operation and maintenance program:

GENERAL RECOMMENDATIONS

- Prior to the storage season, empty the lagoon according to the design.
- Maintain all pumps, agitators, piping, valves, and other electrical and mechanical equipment in good operating condition following the electrical code and manufacturers' recommendations. Inspect and repair grounding rods, switches, and wiring.
- Settlement or cracks in earthen sections must be investigated (to determine the cause) and repaired.
- Inspect concrete for accelerated weathering, spalling, settlement, misalignment, or cracks. Repair defects.
- Inspect metal surfaces for rust and other damage. Especially inspect sections in contact with earthfill and/or other materials. Repair or replace damaged sections and apply a protective covering.
- Make sure all structure drains are functional and soil is not being transported through the drainage system. Screens and/or rodent guards must be maintained and in place.
- Repair any rodent, burrowing animal, vandalism, vehicle, or livestock damage.
- Maintain vigorous growth of vegetative coverings. This includes reseeding, fertilization, and application of herbicides when necessary. Periodic mowing may also be needed.
- Fences, railings, and warning signs must be maintained to provide warning and prevent unintended entry. Maintenance includes work to prevent deterioration of the practice, repairing damage, or replacing components which fail.

- Other: _____

