

**NATURAL RESOURCES CONSERVATION SERVICE  
OPERATION AND MAINTENANCE PLAN  
ARIZONA**

**WASTE TREATMENT LAGOON**

(No.)

**CODE 359**

Cooperator \_\_\_\_\_ Date \_\_\_\_\_

Address \_\_\_\_\_

Location: Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_ Field No. \_\_\_\_\_  
 Northing \_\_\_\_\_ Easting \_\_\_\_\_ **OR** Longitude \_\_\_\_\_ Latitude \_\_\_\_\_

NRCS Field Office \_\_\_\_\_ County \_\_\_\_\_

This conservation practice is an asset to your farm or ranch. This practice will need periodic operation and maintenance to maintain satisfactory performance. The life of this practice or system is at least 15 years. The life of this practice can be assured or extended by thorough and timely operation and maintenance.

**GENERAL RECOMMENDATIONS**

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

- The plan shall contain the operational requirements for emptying the storage facility. This shall include the requirement that waste shall be removed from the lagoon and utilized at locations, times, rates, and volume in accordance with the overall waste management system plan.
- In addition, the plan shall include a strategy for removal and disposition of waste with the least environmental damage during the normal storage period to the extent necessary to insure the lagoon's safe operation. This strategy shall also include the removal of *the contribution* of unusual storm events *that may cause the lagoon to fill to capacity prematurely with subsequent design inflow and usual precipitation prior to the end of the normal storage period.*
- Development of an emergency action plan should be considered for lagoons where there is a potential for significant impact from breach or accidental release. The plan shall include site-specific provisions for emergency actions that will minimize these impacts.
- Maintain all pumps, agitators, piping, valves, and other electrical and mechanical equipment in good operation condition following the manufacturer's recommendations.*
- Fences and/or warning signs shall be maintained to prevent unauthorized human or livestock entry.*
- Appurtenances such as trash racks, outlet structures, and valves shall be kept free of trash, debris, foreign materials or blockage and replaced when needed to prevent clogging of outlet and overflow pipes*
- Eradicate or otherwise remove all rodents or burrowing animals that have or may potentially damage any part of the delivery or application facilities. Immediately repair any damage caused by their activity.*
- Determine and eliminate causes of settlement or cracks in earthen sections and repair damage.*
- Make sure all structure drains are functional and soil is not being transported through the drainage system. The screens and/or rodent guards shall also be kept in place.*
- Repair spalls, cracks, and weathered areas in concrete surfaces, and repair or replace rusted or damaged metal and paint.*

