

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

**SEDIMENT BASIN
(Ft.)**

CODE 350

Cooperator _____ Date _____

Address _____

Location: Section _____ Town _____ Range _____ Field No. _____

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.

- Periodic inspections and maintenance of the embankment, principal and auxiliary spillways and dewatering device especially following significant runoff events.
- Periodic checks and removal of debris, foreign material obstructions, or blockage as necessary from trash racks, ditch/pipe inlets, outlets and structures to assure proper operation.*
- Periodic cleaning and re-grading of collection facilities (fields, ditches, pipes, structures) to maintain proper flow lines and functionality*
- Prompt repair or replacement of damaged components.
- Prompt removal of sediment when it reaches pre-determined storage elevations. *Sediment removed from the basin will be placed and spread to prevent re-entry to the basin and streams.*
- Periodic removal of sediment from traps and/or storage facilities to maintain design capacity and efficiency.*
- Periodic mowing of vegetation to control of trees, brush and invasive species *and to prevent the establishment of undesirable species.*
- Maintain vigorous growth of vegetative coverings, this may include re-seeding, fertilization, and application of herbicides. Specify rates of seed, mulch, and fertilizer, appropriate planting dates, and method(s) of establishment.*
- Periodic inspection of safety components and immediate repair if necessary.
- Cleaning of pipe outlets, removal of sediment from basin, repair or filling of rills and eroded embankment fills, repair of any erosion in emergency spillway.*
- In sediment basins with liners, cleaning operations will need to avoid damage to the liner or the operations need to include the necessary liner repairs.*
- For AWMSs, the plan must include the design schedule of required sediment basin sediment removal operations, and lot cleanings.*
- 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.*

