

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

WATERING FACILITY

(No.)

CODE 614

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 20 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.

- A monitoring schedule to ensure maintenance of adequate inflow and outflow;
- Checking for leaks and repair as necessary;
- If present, the checking of the automatic water level device to insure proper operation;
- Checking to ensure that adjacent areas are protected against erosion;
- Checking to ensure the outlet pipe is freely operating and not causing erosion problems;
- A schedule for periodic *flushing and* cleaning of the facility.
- Checking for corrosion and electrolysis and draining steel tanks and troughs as needed to remove sediment that can cause corrosion;*
- Checking coatings on fiberglass and plastic tanks and re-coating as needed to maintain effective ultraviolet resistance;*
- Maintaining wildlife escape ramps;*
- Maintaining appurtenance features (valves, piping, floats, drains, fences, etc.) in functional and protected conditions;*
- 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;*
- Immediately repair any damage resulting from vandalism, vehicles, livestock or wildlife;*
- Preparing guidance for winter weather to allow for ice expansion without damage (if applicable);*
- Checking and maintaining anchorage of freestanding tanks and troughs;*
- Algae and iron sludge accumulation should be addressed in areas with known water quality problems. Chemicals such as copper sulfate and chlorine can be recommended as needed, as long as local rules and regulations are followed.*
- Inspect for safety of people or animals using the area near the structure.*

