

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
_____, OKLAHOMA**

**OPERATION AND MAINTENANCE PLAN
PUMPING PLANT**

Sponsor/Land user: _____ Date: _____

Address: _____

Legal description of practice location: SEC _____ T _____ R _____

A properly operated and maintained pumping plant is an asset to your farm. This pumping plant was designed and installed to convey water in a pipeline where it can be distributed for use. The estimated life span of this installation is at least 15 years. The life of the structure 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 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.

GENERAL RECOMMENDATIONS

- Maintain all pumps, agitators, piping, valves and other electrical and mechanical equipment in good operating condition following the manufacture's recommendations.
- Maintain grounding rods and wiring of all electrical equipment in good working condition.
- Maintain all safety shields on pumps, motors, or other electrical or mechanical equipment.
- Check all pump bases and mountings for durability and ability to hold the pump in place without vibration, repair when necessary.
- Replace, repack or tighten the seals when leakage is in excess of manufacturer's recommendations.
- Drain all pumps and piping including valves that are subject to freezing. If parts of the system cannot be drained, a noncorrosive anti-freeze solution shall be added.
- Replace weathered or displaced rock riprap to constructed grade.

