



## OPERATION AND MAINTENANCE PLAN

### **“PUMPING PLANT FOR WATER CONTROL”**

**Landowner/Operator:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Address:** \_\_\_\_\_  
 \_\_\_\_\_

**Legal description of practice location:**      SEC \_\_\_\_\_ T \_\_\_\_\_ R \_\_\_\_\_

#### **OVERVIEW**

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 performance 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 operation and maintenance to maintain satisfactory performance. The following recommendations will help you in performing adequate operation and maintenance.

#### **GENERAL RECOMMENDATIONS**

- Maintain all pumps, agitators, piping, valves and other electrical and mechanical equipment in good operating condition following the manufacturer'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.
- Do not allow the operation of any equipment that exceeds the design limit on or within twenty feet of the structure.
- Maintain surface drainage around the pumping plant to avoid ponding of water.

