

**NATURAL RESOURCES CONSERVATION SERVICE**

**IRRIGATION SYSTEM, SPRINKLER – CODE 442**

**OPERATION AND MAINTENANCE**

Land Owner/Operator \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Parish \_\_\_\_\_ SWCD \_\_\_\_\_ Farm/Tract No. \_\_\_\_\_

Practice Location      Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

Prepared By \_\_\_\_\_ Date \_\_\_\_\_

A properly operated and maintained sprinkler irrigation system is an asset to your farm. This irrigation system was designed and installed to apply irrigation water to meet the needs of the crops without causing erosion or runoff. The estimated life span of this installation is at least 10 years. The life of this system 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**

- Operate the system according to the design parameters for the area.
- Operate the system at the pressure discharge rate, duration, and frequency as designed.
- Periodically check the sprinkler heads for wear, and replace when defective or excessive wear is found with proper parts.
- Monitor the crop rooting areas for moisture stress and repair or adjust system operation.
- Promptly repair all leaks, by replacing gaskets or worn parts.
- During non-seasonal use place the system in an area where it will not be damaged but secure, if necessary.
- Maintain all pumps, agitators, piping, valves and other electrical and mechanical equipment in good operating condition following the manufacturers' recommendations
- Do not allow livestock near equipment or in area during operation.
- Immediately repair any vandalism, vehicular or livestock damage.

**ADDITIONAL RECOMMENDATIONS**

Contact your local NRCS Field Office for any additional technical assistance you might need for implementation of this operation and maintenance plan.
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