

**OPERATION AND MAINTENANCE PLAN
SPRINKLER SYSTEM
CODE 442**

Landowner/Operator _____

Job Location _____

Prepared By _____ Date _____

OPERATION AND MAINTENANCE ITEMS

This irrigation system was designed and installed to apply irrigation water to meet the water requirements of the crops. The life of this system can be assured and usually increased by developing and carrying out an effective operation and maintenance program. An effective operation and maintenance program includes:

- Only operate the system when needed to furnish water for plant growth, salt management or to store moisture within the rooting depth of the plant. Monitor crops regularly noting areas of moisture stress and repair or adjust system operation as needed.
- Operate the system at the design pressure, discharge rate, speed, and irrigation duration and frequency. Periodically examine each sprinkler and spray head, etc. for proper operation. Clean plugged nozzles, or replace nozzles if defective and worn. Use the shank end of a (correctly sized) steel drill bit to check nozzle hole diameters for wear.
- Inspect or test pipeline and pumping plant components and appurtenances, as applicable.
- Maintain mechanical components in accordance with manufacturer's recommendations.
- Obtain sprinkler appurtenance operation and maintenance instructions and parts lists from contractor/supplier and keep them for specific instructions on operation and supplies needed for maintenance.
- Promptly repair all leaks in delivery facilities.
- If necessary during non-seasonal use, place appurtenances in a secure area where they will not be damaged.
- Maintain all screens, filters, valves, timers and other electrical and mechanical equipment in good operating condition following the electric code and manufacturers' recommendations. Drain and protect equipment from freezing, as necessary.
- Remove all rodents and/or burrowing animals that have or may damage any part of the delivery, or application facilities. Immediately repair any damage caused by their activity.
- Prior to retrofitting any electrically powered equipment, electrical service must be disconnected and the absence of stray electrical current verified.
- Repair any vandalism, vehicular or livestock damage. Do not allow livestock near equipment during operation.

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Other: