

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

**OPERATION AND MAINTENANCE PLAN
IRRIGATION DITCH OR CANAL LINING**

Sponsor/Land user: _____ Date: _____

Address: _____

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

A properly operated and maintained lined irrigation ditch is an asset to your farm. This lining was designed and installed to reduce water loss in your irrigation delivery and/or head ditches. The estimated life span-of this installation is at least 10 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 adequate drainage of the foundation,
- Maintain the widths and heights of soil berms adjacent to the lining.
- Drain all lined ditches when not being used.
- Immediately repair any cracks or breaks in the lining. Investigate cause before repair and take measures to prevent re-occurrence.
- Avoid the use of tillage equipment adjacent to the lining that accelerates soil removal.
- If livestock are present, prevent their access to the lining and provide a system of watering.
- Remove sediment, debris or any blockage that restricts capacity.
- Remove woody vegetation and perennials from areas adjacent to lining,
- Repair spalls, cracks and weathered areas in concrete surfaces.

