Operation & Maintenance Plan
Livestock Pipeline (Code 516)

Expected Lifespan

The minimum expected lifespan of this practice is at least 20 years.

A properly operated and maintained **Livestock Pipeline** is an asset to your property. The purpose of this practice is to convey drinking water from a source to a watering system for livestock. The life of the practice can be assured and usually extended 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 are some requirements to help you develop a good operation and maintenance program.

Operation and Maintenance

1. Make sure that all valves and air vents are in place and set at the operating condition so they may provide protection to the pipeline.
2. Maintain all screens and filters in good working condition and promptly repair or replace as needed.
3. Maintain the design depth of cover over the pipeline.
4. Limit traffic over the pipeline to designated sections that were designed for traffic loads.
5. Avoid travel by tillage equipment over pipelines when the soil is saturated.
6. Avoid any subsoiling operation that may disturb the pipeline.
7. Remove all foreign debris that hinders system operation.
8. Drain all system components in areas that are subject to freezing. If parts of the system cannot be drained, an anti-freeze solution shall be added. Thoroughly flush the system of anti-freeze solution before use.
9. If the pipeline is connected to a continuous flowing source, such as a spring, maintain flow through the pipe to avoid freezing.
10. Eradicate or otherwise remove all burrowing animals. Repair any damage caused by their activity.
11. Immediately repair damage to any outlets or appurtenances.

Operation, Maintenance and Inspection Costs

1. It is estimated that the annual time to routinely inspect and make minor repairs to your Livestock Pipeline will be:
   a. Inspection = 1 hours/month/1000 feet
   b. Minor Repairs = 1 hours/month/1000 feet
   c. Draining Pipeline and Winter Prep = 2 hours/year/1000 feet
   d. Major repairs to damage caused by major storm event will require extra time and materials.
2. Most minor repairs can be made by the operator using basic hand tools. However, major repairs to the pipeline and appurtenances may require hiring a professional experienced in these repairs and improvements.

Specific Site Requirements

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