

**OPERATION AND MAINTENANCE  
SPRING DEVELOPMENT  
CODE 574  
TENNESSEE**

Landowner Operator: \_\_\_\_\_

Practice Location: \_\_\_\_\_

County: \_\_\_\_\_

Farm Tract No.: \_\_\_\_\_

Prepared by: \_\_\_\_\_

Date: \_\_\_\_\_

Inspections and maintenance are required to achieve the intended function, benefits, and life of the practice. The landowner/operator is responsible to establish and implement an inspection and maintenance program. Items to inspect and maintain during the 20-year design life of the practice include, but are not limited to, the following:

1. Inspect after significant storm events and at least annually to identify repair and maintenance needs.
2. Test water quality before and after a spring is developed. Periodically check the spring water for contamination. A marked increase in turbidity of flow after a rainstorm is a good indication that surface runoff is reaching the spring.
3. Maintain diversions to keep surface water from entering the collection and spring box areas.
4. Inspect the system for sudden changes in quantity of water received from the source. Check for debris, minerals, algae and other materials that may restrict system flow.
5. Inspect and maintain fences that are placed to exclude livestock from the spring development area.
6. Provide access to the tank or trough for maintenance. Replace stone or gravel adjacent to the trough as necessary.
7. Inspect tanks, troughs, piping and valves for damage fall and spring. Replace damaged or missing parts. Check the tanks and pipes during cold weather for ice problems. Promptly repair damage caused by rodents, etc.
8. If possible, remove water from tanks and pipes where damage from freezing may occur.
9. Maintain erosion protection at outlets.
10. Sediment removal from the spring box shall be done annually.
11. Inspections of valve operations shall be done periodically.
12. Maintain vegetative cover around the spring area.

Signatures

Landowner/Operator: \_\_\_\_\_ Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_