

OPERATION AND MAINTENANCE
Water Well (642)
Tennessee

Landowner/Operator: _____

Practice Location: _____

County: _____ Farm/Tract Number: _____

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 at least annually and maintain during the first 20-years after the well is installed include, but are not limited to, the following:

1. Ensure that no agricultural chemicals, such as fertilizers and pesticides, are stored or mixed or containers rinsed, within a 100-foot radius of the wellhead.
2. Protect the components from damage by farm equipment and livestock.
3. Inspect after significant storm events to identify repair and maintenance needs.
4. Inspect for declines in discharge, static level, maximum pumping level, and pressure (for artesian wells) that are outside acceptable limits for the well design.
5. Inspect for the appearance of sediment that may damage the well, pump, or appurtenances.
6. Inspect for changes in water quality including odor, color, taste, and chemistry.
7. Inspect for the presence of algae or iron bacteria.
8. For screened wells that have blank casing installed at the bottom, periodically bail or flush the well to remove excessive, accumulated sediment.
9. Repair any settlement or erosion that occurs around the well with soil and reseed as needed. If this problem persists, evaluate the pipe for leakage and erosion of the fill material into or along the pipe.
10. Maintain mounding and/or water diversions to prevent concentration or accumulation of runoff water over the site.
11. Perform routine maintenance of all mechanical components in accordance with manufacturer's recommendations.
12. Promptly repair or replace damaged or inoperable components.
13. Prior to retrofitting any electrically powered equipment, electrical service must be disconnected and the absence of stray electrical current verified.

A record of identified problems and corrective actions taken shall be maintained. Statements describing identified problems, corrective action taken and date, and specific capacity of well before and after corrective actions shall be recorded. The owner must remedy unacceptable conditions in a timely manner.

SIGNATURES

Landowner/Operator: _____ Date: _____

Reviewer: _____ Date: _____