

**OPERATION AND MAINTENANCE**  
**Waste Treatment (629)**  
**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 and maintain during the 10-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. Do not enter confined places without proper safety precautions for breathing and exit while inspecting or repairing equipment.
3. Perform routine maintenance of all mechanical components in accordance with manufacturer's recommendations.
4. Inspect or test all pipe, sumps, pumps, electrical systems, controls, and other components and appurtenances.
5. Promptly repair or replace damaged or inoperable components.
6. Protect the components from damage by farm equipment and livestock.
7. Repair any settlement or erosion that occurs along the transfer pipes 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.
8. Document the treatment system operational loading rates to the designed loading rates to address any hydraulic and critical pollutant problems that must be addressed.
9. Document the timing and amount of any chemicals added to the waste treatment process.
10. Document the start-up procedures, normal operation procedures along with any of the following:
  - a. Safety maintenance
  - b. Planned replacement of components with a service life less than 10 years.

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- 11. Document alternative operation procedures during equipment O&M or system failure.
- 12. Document and update your trouble shooting guide annually.
- 13. Monitor and record system design for any future improvements.

**SIGNATURES**

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

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