

NATURAL RESOURCES CONSERVATION SERVICE
VIRGINIA
OPERATION AND MAINTENANCE REQUIREMENTS
WASTE SEPARATION FACILITY
CODE 632

Land Owner/Operator _____

County _____ SWCD _____ Farm/Tract No. _____

Prepared By _____ Date _____

OPERATION AND MAINTENANCE ITEMS

A properly operated and maintained waste separation facility is an asset to your farm. The waste separation facility was designed and installed to be used for the separation of a portion of solids from a liquid waste stream as part of a conservation management system. Estimated life span of this installation is at least 15 years. The life of this installation can be assured and usually increased by developing and carrying out a systematic operation and maintenance program.

This practice will require periodic maintenance and may also require operational items to maintain satisfactory performance. Your operation and maintenance program includes:

- Maintain all discharge components to ensure that the anticipated flow can be safely passed for the normal waste stream discharge and for emergency release.
- Maintain all pumps, agitators, piping, valves and all other electrical and mechanical equipment in good operating condition by following the manufacturer's recommendations. Maintain grounding rods and wiring for all electrical equipment in good condition.
- All fences, railings, and/or warning signs shall be maintained to provide warning and/or prevent unauthorized human or livestock entry. Maintain all lids, grates, and shields on openings to underground structures.
- Maintain positive drainage away from the facility.
- Immediately shut down separation operations if the structure has been damaged and there is danger of imminent failure. Immediately seek a qualified engineer to assess the situation.
- Immediately repair any vandalism, vehicular or livestock damage to the structure, earthen areas surrounding the structure, or any appurtenances.
- Operate the facility in a manner that minimizes odors and air drift.

- Do not allow human entry into any enclosed structure without safety equipment that includes ladders and breathing apparatus.
- Immediately remove all foreign debris within the structure that may cause damage to any part of the system.
- Inspect the separation device and support structure, screens and outlets, and remaining capacity in storage facilities each time the equipment is used.
- Separator housing facilities shall be inspected at least twice each year. Any wooden parts, hardware, or other replaceable parts which are damaged or show excessive wear or decay shall be replaced. Roof structures should be examined for structural integrity. Walls of dry stacks that are constructed with lumber may need repair or replacement during the life of the structure.
- If unit is idle for periods of time during winter months, it is recommended to drain separator and piping.

Additional Operation and Maintenance Requirements Specific to this Solids/Liquid Waste Separation Facility O&M Plan:

Design factors related to operation and maintenance:

Design capacity of each component of the facility:

A description of the normal operation of the facility and safety issues:

Alternative operation procedures in the event of equipment failure:

Other operation and maintenance requirements: