

NATURAL RESOURCES CONSERVATION SERVICE

; 9CF; 5

OPERATION AND MAINTENANCE REQUIREMENTS

SOLID/LIQUID SEPARATION FACILITY

CODE 632

Land Owner/Operator _____

County _____ SWCD _____ Farm/Tract No. _____

Prepared By _____ Date _____

OPERATION AND MAINTENANCE ITEMS

A properly operated and maintained solid/liquid separation facility is an asset to your farm. The solid/liquid 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 emergency overflow appurtenances to ensure that the peak runoff from a 25 year-24 hour storm can be safely passed, as well as the normal waste stream discharge.
- 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.
- Eradicate or otherwise remove all rodents or burrowing animals and repair any damage caused by their activity. Maintain screens and/or rodent guards.
- 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.

