

**NATURAL RESOURCES CONSERVATION SERVICE**

**VIRGINIA**

**OPERATION AND MAINTENANCE REQUIREMENTS**

**LAND RECLAMATION, TOXIC DISCHARGE CONTROL**

**CODE 455**

Land Owner/Operator \_\_\_\_\_

County \_\_\_\_\_ SWCD \_\_\_\_\_ Farm/Tract No. \_\_\_\_\_

Prepared By \_\_\_\_\_ Date \_\_\_\_\_

**OPERATION AND MAINTENANCE ITEMS**

A properly maintained toxic discharge control system can be an asset to the property. The toxic discharge control system was designed and installed to treat one or more discharge sites. Estimated life span of this installation is at least 15 years. The life of the project 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:

- The treatment should be inspected at least annually and especially after heavy rains to determine whether it is functioning properly or if repairs are needed.
- A flushing sequence to allow removal of accumulated metals and inert materials will be developed. Accumulated precipitate shall be removed when the capacity is reduced by half. The methods for disposal of the precipitated material will be shown.

Sequence \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_ Capacity (original)

\_\_\_\_\_

Capacity (half full)

\_\_\_\_\_

Precipitate Disposal \_\_\_\_\_

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- Develop a monitoring plan to assess the efficiency and performance of the treatment system. It is recommended that water samples be taken monthly for one year after the system is in operation and quarterly thereafter. Flow rates at all measuring points shall be recorded when samples are collected.

