

NATURAL RESOURCES CONSERVATION SERVICE
CONSERVATION PRACTICE SPECIFICATION

313B - WASTE STORAGE FACILITY - POND

I. SCOPE

The work shall consist of constructing a waste storage pond and appurtenances to the lines, grades, and elevations as shown on the drawings or as staked in the field.

II. FOUNDATION PREPARATION

The entire pond area shall be cleared of all trees, brush, roots, sod, soil containing excess amounts of organic matter, and other objectionable materials and disposed of at sites away from the area of work.

Cleaning and disposal methods shall be in accordance with applicable state and county laws with due regard to the safety of persons and property.

III. EXCAVATION

Excavated materials, if suitable, may be used in embankments or other fill areas. Excess material shall be wasted at locations noted on the drawings or as staked in the field.

IV. EMBANKMENTS

Construction of embankments under this practice shall conform to the requirements of Construction Specification No. 378 for Embankment Ponds.

V. INLET AND OUTLET STRUCTURES

When inlet and outlet structures are to be installed, the construction shall be in accordance with the details as shown on the drawings and with the applicable specifications listed on the "Practice Requirement" sheet.

Placement and compaction of the backfill around the pumpwell shall be accomplished in such a manner that the structure will not be damaged. The backfill will be compacted to approximately the same density required of the embankments.

VI. SEALING

When specified, the sides and bottom shall be covered by a sealing material. The sealing shall conform to Construction Specification 521-Pond Sealing, as specified on the "Practice Requirement" sheet.

VII. FENCING

When shown on the drawings, fencing shall conform to the requirements of Practice Specification 382, Fences.

VIII. VEGETATIVE COVER

Unless otherwise specified, a protective cover of vegetation shall be established on the disturbed area. The planting of vegetative materials shall conform to the requirements of Practice Specification 342, Critical Area Planting.

IX. SPECIAL MEASURES

Measures and construction methods shall be incorporated as needed and practical that enhance fish and wildlife values. Special attention shall be given to protecting visual resources and maintaining key shade, food and den trees.

X. CONSTRUCTION OPERATIONS

Construction operations shall be done in such a manner that erosion and air and water pollution are minimized and held within legal limits. The owner, operator, Contractor or other persons will conduct all work and operations in accordance with proper safety codes for the type of construction being performed with due regards to the safety of all persons and property.

The completed job shall be workmanlike and present a good appearance.

OPERATION AND MAINTENANCE ITEMS

A properly operated and maintained waste storage pond is an asset to your farm. This waste storage pond was designed and installed to provide temporary storage of animal waste. The estimated life span of this

installation is at least 10 years. The life of this installation can be assured and usually increased by developing and carrying out a good operation and maintenance program.

This practice will require you to perform periodic maintenance to maintain satisfactory performance. Here are some recommendations to help you develop a good operation and maintenance program.

Maintain all pumps, agitators, piping, valves and other electrical and mechanical equipment in good operating condition following the manufacturers' recommendations.

Maintain grounding rods and wiring of all electrical equipment in good working condition.

Prior to the storage season, empty the pond to provide storage capacity for the accumulation of animal wastes and precipitation during the storage period.

Fences and/or warning signs shall be maintained to provide warning and/or prevent unauthorized or livestock entry.

Immediately repair any vandalism, vehicular or livestock damage to any earthfills, spillway, outlets or other appurtenances.

Maintain vigorous growth of vegetative coverings. This includes reseeding, fertilization and application of herbicides when necessary. Periodic mowing may also be needed to control height.

Immediately remove any foreign debris in or adjacent to the waste storage pond.

Settlement or cracks in the earthen sections should be investigated and immediately repaired.

Other items specific to your project are listed on the "Practice Requirement" sheet.