

**NATURAL RESOURCES CONSERVATION SERVICE  
CONSERVATION PRACTICE SPECIFICATION  
MANURE TRANSFER**

(No.)

CODE 634

**1. SCOPE**

This work under this specification consists of the construction of facilities for the transfer of manure for the purposes in NRCS Conservation Practice Standard 634.

**2. MATERIAL**

**a. Pumps and motors.** Pumps and motors shall be of the type as specified in the drawings. Pumps shall be specifically rated for handling livestock waste. Pumps and motors shall be installed in accordance with Manufacturer's specifications. All wiring and electrical hooks shall meet applicable State and Local codes.

**b. Pipe.** Pipe shall be of the size, type, and pressure rating as shown on the drawings. Pipe shall be installed in accordance with the criteria in the applicable New Mexico Conservation Practice Standard 430, and as specified on the drawings.

**3. INSTALLATION**

The installation shall be in accordance with an approved design, a set of construction plans, and these specifications.

**a. Equipment.** All equipment shall be installed following the manufacturers' specifications.

**b. Placement.** Pipes, conduits, pumps, and structures shall be installed to the lines and grades as shown in the plans.

**3. CONSTRUCTION OPERATIONS**

Construction operations shall be carried out in such a manner and sequence that erosion and air and water pollution are minimized and held within legal limits. The completed job shall have a workmanlike appearance.

**4. SAFETY**

Landowners or operators, sponsoring organizations, and contractors shall be liable for damage to utilities and damage for disruption of service caused by construction activities. The NRCS makes no representation on the existence or non existence of any utilities. Absence of

utilities on the drawings is not assurance that no utilities are present at the site.

It is the responsibility of the landowner or operator to determine if there are buried or overhead utilities in the vicinity of the proposed work. They must take proper precautions to ensure that the utilities shall not be jeopardized and that equipment operators and others will not be injured during construction operations.

**5. MEASUREMENT**

The planned dimensions, volumes, and quantities shall be the completed quantities unless a change order has been properly issued which produces changes in planned quantities.

**6. OPERATION AND MAINTENANCE PLAN**

A properly operated and maintained manure transfer system is an asset to a farming operation. The life span of this installation can be assured and usually increased by developing and carrying out a good operation and maintenance program.

The following are some recommendations to help develop a good operation and maintenance program:

- Avoid contact with waste water.
- Operate within the capacity of the transfer equipment.
- Avoid spills particularly along the transfer route.
- Transfer waste only during dry weather.
- Agitate wastewater in the pond prior to removal.
- Keep the pump intake off the bottom of the pond, particularly, earthen lined ponds.
- Maintain all pumps, agitators, piping, valves, and electrical and mechanical equipment in good operating condition following manufacturer's recommendations.
- Maintain wiring, grounding rods, and safety shields of all electrical or mechanical equipment in good working condition.