



Natural Resources Conservation Service  
3381 Skyway Drive  
Auburn, Alabama 36830

September 11, 2009

## ALABAMA TECHNICAL GUIDE NOTICE 35.

This notice transmits revisions to the eFOTG.

### SECTION IV eFOTG

#### INDEX:

Updated Conservation Practice Standards Index:

Waste Transfer, Code 634 - Change date to 9/1/09.

### CONSERVATION PRACTICE STANDARDS

This notice issues the following revisions to this conservation practice standard:

- Waste Transfer, Code 634. This notice changes the name from Manure Transfer to Waste Transfer.
- Changes all reference to manure transfer to waste transfer.
- **Page 2 - Pipelines.** Design pipes for flow velocities **between 3 to 6 ft/sec to minimize settling of solids in the pipeline and for flow velocities of 5 ft/sec or less if the pipe is not buried or securely tied down.**

Provide clean-out access for gravity pipelines at a maximum interval of **150 ft. unless an alternative design is approved by the design engineer.**

**In a gravity flow pipe system, a minimum head is required depending upon the consistency of the material: 4 ft for heavily bedded wastes, 2 ft for slurry or semi-solid wastes, and 1 ft. for liquids and liquid wastes.**

**Solid/liquid waste separation.** If needed to separate a portion of solids from the liquid waste stream, design a filtration or screening device, settling tank, basin, or channel in accordance with Alabama NRCS conservation practice standard Solid/Liquid Waste Separation Facility, Code 632.

- **Page 3 - Safety.** Design the system to safeguard humans and animals during construction and operation.

#### **CONSIDERATION General**

- **Consider the timing and location of agitation and transfer activities to minimize odor formation and transport and to minimize the breeding of insects within the material.**



- **Consider covering and/or minimizing the amount or number of times the material is disturbed to reduce the likelihood of air emissions of particulate matter, volatile organic compounds, and ammonia air emissions to formation and release.**

**Transfer Operations** - Deleted On-Farm Transfer and Off-Farm Transfer/Transport headings. All on-farm and off-farm transfer or transport information is now listed under the Transfer Operations heading.

**Page 4 - Transfer Operations (con't)** - Added last paragraph.

**Where material is to be spread on land not owned or controlled by the producer, a nutrient management plan is recommended to establish environmentally acceptable utilization of the material.**

**PLANS AND SPECIFICATIONS** - Changed first paragraph.

**Plans and specifications for installing waste transfer systems shall be in accordance with this standard and shall describe the requirement for applying the practice to achieve its intended purpose.**

**OPERATION AND MAINTENANCE** - Added two paragraphs.

**Provisions should be made for removing solids from conveyance conduits such as concrete lined ditches, etc.**

**Flush pipelines used for transferring waste material with clean water after use to reduce the risk of gas buildup and pipeline explosion.**

**FILING INSTRUCTIONS:**

File the revised standard.



PERRY L. OAKES  
State Conservation Engineer

DIST: All Employees