

# PROCEDURES FOR INSTALLATION AND MONITORING OF ON-SITE WASTEWATER TREATMENT AND DISPOSAL SYSTEMS

## INSTALLATION:

Site Evaluation will be preformed by Wapello County or a Civil Engineer, Licensed in the State of Iowa, for each On-Site Wastewater Treatment and Disposal System. This evaluation shall include the following:

1. Review of Soil Survey of Wapello County.
2. On site investigation of proposed site
3. Percolation test of proposed site.
4. Size system by type and conditions for each site.
5. Inspection of installation of system as follows:
  - a. Installation of septic tank or tanks.
  - b. Installation of secondary treatment for system.
  - c. Record system using digital Camera (copies to file and property owner)
  - d. Insure accurate drawings are completed and submitted to the Wapello County Zoning Department. Drawings must show the exact layout of the septic tank(s), all distribution boxes used in the secondary treatment system, and location of the structure(s) be served by the system. Dimensions from two (2) corners of the structure or other permanent landmarks to the center of the septic tank(s) and the center of the distribution box(s) shall be provided. The location of all wells within 100 feet of the system must also be shown. A copy of such drawing shall be provided to the system owner.

## MONITORING:

Wapello County will monitor all permitted systems in the following manner:

1. Sub-surface absorption systems/mound systems
  - a. Annual inspection of system in spring of year for life of system.
2. Mechanical/aerobic systems:
  - a. Bi-annual inspection of entire system for first five years, annual inspection in spring for remaining life of system.
  - b. Water test to be conducted per NPDES Permit #4
  - c. Maintenance contract must be maintained and recorded with County Recorder and in the abstract of title for the premises per chapter 69 environmental protection 567, Iowa Administrative Code.
3. Sub-surface Sand Filters:
  - a. Biannual inspection of system for first five years, annual inspection in spring for remaining life of system.
  - b. Water test to be conducted per NPDES Permit #4.
4. Property owner must submit copy of all tests to Wapello County. Wapello County reserves the right to re-test all systems. Property owner may request that Wapello County perform test, property owner will reimburse Wapello County for all test conducted by Wapello County.

## FEES:

Fees for services provided by Wapello County will be set by resolution of the Board of Supervisors, upon recommendation of the Wapello County Board of Health.