

CONSERVATION ENGINEER

DEFINITION

Under general supervision, in the office of the Dane County Land Conservation Department, in conjunction with other engineers, conservationists and technicians of Dane County and the United States Department of Agriculture-Soil Conservation Service (USDA-SCS); assists landowners/landusers and governmental units with the installation of conservation practices common to Dane County, reviews erosion control and waste management plans, provides training as requested, and performs related work as required. This position is also under the technical supervision of the USDA-SCS District Conservationist and is subject to the rules, regulations and policies of Dane County as administered by the Dane County Extension's office.

EXAMPLES OF DUTIES

Conducts engineering surveys; develops engineering designs and cost estimates of various conservation practices; lays out and certifies construction of conservation and animal waste management practices. Plans are developed in accordance with the Soil Conservation Service standards and specifications. Assists landowners and operators in developing waste management plans which are geared to the management and site constraints of the individual landowner or operator. Reviews construction site erosion control plans as requested according to the site needs and applicable ordinances based upon the Soil Conservation Service Technical Guide as adopted. Provides training in the area of effective construction site erosion control and runoff to individuals as requested. Keeps daily records of activities, maintains records as assigned and assists in the preparation of reports.

EMPLOYMENT STANDARDS

Education and Experience: Bachelor's degree from an accredited college or university in either agricultural, civil or environmental engineering. Prefer experience in the professional application of soil and water conservation practices and principles.

Knowledges and Abilities: Thorough knowledge of the principles and practices of soil and water conservation in both rural and urban areas. Knowledge of the management, engineering principles, practices, and standards pertaining to animal waste management, erosion and runoff control. Ability to effectively communicate orally and in writing. Knowledge of farm construction operations. Knowledge of soil science and hydrology.

Special Requirements: Possession or eligibility for a Wisconsin driver's license; access to personal transportation; eligibility to receive job engineering approval from USDA-SCS to cover routine engineering practices; eligibility to receive a State of Wisconsin registered engineer-in-training license.