SERIES PURPOSE:
The purpose of the soils resource occupation is to perform soil studies & investigations.
At the full performance level, incumbents perform soil studies & investigations & collect & analyze soil samples.

CLASS TITLE:
Soils Resource Specialist

CLASS NUMBER:
83811

EFFECTIVE DATE:
03/26/1990

CLASS CONCEPT:
The full performance level class works under direction & requires considerable knowledge of agronomy/soil science in order to perform soil studies & investigations & collect & analyze soil samples.
**CLASS TITLE:**
Soils Resource Specialist

**CLASS NUMBER:**
83811

**BARGAINING UNIT:**
13

**EFFECTIVE DATE:**
03/26/1990

**JOB DUTIES IN ORDER OF IMPORTANCE:** (These duties are illustrative only. Incumbents may perform some or all of these duties or other job-related duties as assigned.)

Performs detailed soil studies & investigations (e.g., collects soil samples; maps & classifies soils & land features; operates motorized drilling rig, inclinometer & field soil sampling equipment & tools; collects soil &/or water samples for laboratory analysis; develops soil interpretations based upon physical & chemical properties; reviews & evaluates strip mine applications, farmland restoration plans &/or resoiling plans for compliance with law & for technological completeness; monitors reclamation activities to ensure compliance with law & mining plan; investigates public complaints regarding interference & depletion of water supply).

Prepares & writes detailed soil descriptions &/or explanations (e.g., logs soil borings & prepares reports through use of soil data & other research data; interprets laboratory data & its application to non-agricultural & agricultural land uses; interprets results of mining & property surveys; oversees & assists in writing technical reports to record findings); assists non-soil scientists in understanding & applying soil & geotechnical data; consults with Natural Resources Conservation Service & other organizations regarding soil-related activities; meets with industry representatives to negotiate compliance schedules; meets with &/or contacts land owners & mine operators.

Assists in reviewing & drafting regulations; verifies crop yields; operates & maintains trucks; repairs & maintains equipment; attends conferences & training seminars; writes contract specifications for resoiling operations; writes reports regarding activities.

**MAJOR WORKER CHARACTERISTICS:**
Knowledge of agronomy/soil science; geology; agriculture; hydrology; natural resources; statistics; cartography/soil mapping*; mine reclamation operations*; federal & state laws governing mining & reclamation*. Skill in operation of soil drilling rig & other field soil sampling equipment*. Ability to understand technical field of study; define problems, collect data, establish facts & draw valid conclusions; write instructions or specifications technical in nature; gather, collate & classify soil data; demonstrate physical fitness.

(*)Developed after employment.

**MINIMUM CLASS QUALIFICATIONS FOR EMPLOYMENT:**
Completion of undergraduate core program in agronomy, agriculture, geology or related science field.

- Or equivalent of Minimum Class Qualifications For Employment noted above.

**TRAINING AND DEVELOPMENT REQUIRED TO REMAIN IN THE CLASSIFICATION AFTER EMPLOYMENT:**
Not applicable.

**UNUSUAL WORKING CONDITIONS:**
May be exposed to unpleasant weather conditions, dirt, mud & loud noise from drilling rig; may require overnight travel.