

# **Dean K. Moos**

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## **Summary of Qualifications**

Over 41 years of professional experience in soil science, soil mapping, soil management, and surface coal mining permitting and inspection.

## **Education**

BS, Soil Science, North Dakota State University, 1978

## **Professional Job Experience**

- Director, Reclamation & Abandoned Mine Land Divisions, ND Public Service Commission, 2016-Current
- Assistant Director, Reclamation Division, ND Public Service Commission, 2006-2016
- Environmental Scientist, Reclamation Division, ND Public Service Commission, 1988-2006
- Underground Storage Tank Program Manager, Waste Management Division, North Dakota Department of Health, 1986-1988
- Agricultural Consultant, Johnston Scientific, 1985-1986
- Soil Scientist/Soil Survey Party Leader, Cavalier County (ND) Soil Survey, USDA-Soil Conservation Service, 1981-1985
- Soil Scientist, Grant County (ND) Soil Survey, USDA-Soil Conservation Service, 1979-1981
- Soil Scientist, Grant County (ND) Soil Survey, ND Soil Conservation Committee, 1978-1979

## **Certifications, Awards, Memberships, and Training**

- Registered North Dakota Professional Soil Classifier
- Appointed by the Governor to a 5-year term on the North Dakota State Board of Registration for Professional Soil Classifiers
- Member and Past President of the Professional Soil Classifiers Association of North Dakota
- Co-author of the Cavalier County (ND) Soil Survey Report
- Served on the National Cooperative Soil Survey Task Force on the Reliability of Soil Survey Information
- Received specialized training in soil mapping and correlation, soil laboratory data analysis, statistics, soil management, prime farmland, reclamation and revegetation techniques, surface and groundwater hydrology, wetlands, blasting techniques, cultural resources, NEPA, environmental enforcement, and various computer applications

## **Knowledge, Skills, Abilities, and Experience**

- Over 31 years' experience in surface coal mining operations and reclamation, primarily dealing with permitting, inspection, bond release, environmental monitoring, and regulatory analysis.
- Knowledgeable in the requirements for surface coal mine permit, revision, and bond release applications.
- With regard to surface coal mining, strong technical knowledge of soils, prime farmland, cultural resource matters, and general operations and reclamation plans.
- Knowledgeable in reclamation technology and techniques.
- Provide input into proposed rules and policies regarding surface coal mining.
- Program management experience including staff supervision and budget preparation.
- Experience in mapping and classifying soils, soil interpretations, and soil management.

