

May 24-25, 2012

ITEM 155-1501A-R0512

**Authorization to Confer the Title of Professor Emeritus of Hydrogeology Upon Marvin Miller:
Montana Bureau of Mines and Geology, Montana Tech of The University of Montana**

THAT

On the occasion of the retirement of Professor Marvin Miller from his position as Assistant Director for Programs and Research Professor of Hydrogeology of the Montana Bureau of Mines and Geology, a department of Montana Tech of The University of Montana, the faculty and staff of the MBMG and Montana Tech wish to express their appreciation for his years of dedicated and valued service to the MBMG, the University, and the State and people of Montana by recommending the rank of Professor Emeritus be conferred upon him by the Board of Regents of the Montana University System.

EXPLANATION

Marvin Miller earned his B.Sc. in Geology in 1963 from The University of Montana, Missoula. He participated in the Big Ten C.I.C program and completed minors in Civil Engineering and Geohydrology from the University of Illinois, Urbana. He completed his M.S. in Hydrogeology with minors in Geophysics, Geomorphology, and Civil Engineering and A.B.D. in Hydrogeology from the Indiana University, Bloomington.

In 1963–1964 and 1966–1967, Marv was an instructor in Geology at the Indiana University Geologic Field station.

Marv came to the Montana Bureau of Mines and Geology in 1967 as a Hydrogeologist. He initiated the first dryland-salinity research project on Highwood Bench in Choteau County, Montana, and set up and organized the MBMG's water-quality laboratory. Marv also joined the faculty of Montana Tech as an Assistant Research Professor, teaching hydrogeology courses.

In 1970, Marv was promoted to Senior Hydrogeologist at the MBMG. He expanded dryland-salinity research investigations across northern and eastern Montana, projects which deeply affected the citizens of those areas. Findings and recommendations from his research have been extensively utilized by research teams and landowners in 5 states, 3 prairie provinces, Australia, Russia, and Israel.

Over his years at the MBMG, Marv was Principal Investigator on more than 60 hydrogeological research projects all across Montana, and co-authored or authored more than 50 publications and reports. Because of his work, over 2 million acres of salinized cropland have been put back into production.

From 1972 to 1989, Marv served as Chief of the MBMG's Hydrology division, which grew in that time from a staff of 3 to 20. His team was recognized for its excellence in research and commitment to State service. This division attracted over 10 million dollars from outside sources to broaden the research scope of the MBMG and Montana Tech. Marv organized a statewide hydrogeological database which is still in high demand today. During this time, Marv achieved the status of Research

Professor at Montana Tech, and became an Associate Director of the Montana Water Resources Center, a position from which he recently resigned.

In 1980, Marv was invited by the Australian government as one of eight international scientists to participate in a worldwide Salinity Conference and workshop. The Proceedings were published in a special issue of the *Agricultural Water Management Journal* in 1981. During this time Marv was also a co-author on the *U.S. Department of Agriculture: Agriculture Research Service Research Report 30, Saline-Seep Diagnosis, Control, and Reclamation*, a significant report that was reprinted three times, with over 15,000 copies distributed.

In 1989, Marv was named as the Assistant Director for Programs at the MBMG. In this position his larger goal was to develop and coordinate a statewide applied research and service program, locate funds for research, and act as a primary liaison for the MBMG to the Montana Legislature and other local, State, and Federal organizations.

Marv is a registered Professional Geologist. He has served as President and Vice President of the American Water Resources Association and the Tobacco Root Geological Society. He is an active member of the American Geophysical Society (Hydrology Section), the Montana Geological Society, and the Montana Water Well Driller's Association. Through the years he has been appointed to many councils and committees to coordinate water research activities in Montana and across the country.

Marv was selected by *Montana Magazine* in 1995 as one of the 25 outstanding Montana citizens who have made Montana a better place to live in the past quarter-century.

In 1997 Marv was honored by his peers with the Montana "Water Legend" award from the American Water Resources Association (Montana Section). This prestigious award is given to individuals who have contributed significantly to the conservation and evaluation of Montana's water resources. During his 45 years of service to the Montana Bureau of Mines and Geology and Montana Tech, Marv's tremendous work and expertise in the areas of dryland salinity research and hydrogeology have distinguished him as a respected leader in his field. He has provided great service to the people of Montana and brought well-deserved recognition and funding to the research programs at the MBMG and Montana Tech.

For these and numerous other contributions, the faculty of the Montana Bureau of Mines and Geology are pleased to nominate Marvin Miller for the Rank of Professor Emeritus within the Montana Bureau of Mines and Geology of Montana Tech of the University of Montana.
