

BARBARA LeANN COFFMAN

1029 Washington Avenue
Havre, Montana 59501

EDUCATION

Northern Montana College, Havre, Montana
(Currently Montana State University - Northern)

Master of Education, General Science: Thesis Option, December 2001
Bachelor of Science, Interdisciplinary Studies: Chemistry Concentration, May 1993
Bachelor of Science, Interdisciplinary Studies: Water Quality Concentration, May 1993
Associate of Science, Environmental Health: Water Quality Technology, March 1991*
Certificate, Water Quality Technology, June 1990
Associate of Science, Agricultural Technology, March 1990*
*Graduated with Departmental Distinction

WORK EXPERIENCE

METNET (Montana's Education Telecommunications Network) Technician, Montana State University – Northern, Havre, MT. October, 2005 – present. Responsible for linking to state METNET video conferencing site and operating METNET video equipment as necessary when video conferencing is required at the MSU-Northern site.

Staff, Montana Water Environment Association, Havre, MT. July, 2003 – present. Coordinate annual joint conference for MWEA and Montana Section of American Water Works Association, responsible for financial management of conference and scholarship accounts, and other duties as they arise.

Executive Secretary, Montana Section of the American Water Works Association, Havre, MT. July, 2003 – present. Coordinate annual joint conference for MSAWWA and the Montana Water Environment Association, responsible for financial management of MSAWWA, publish quarterly newsletter, and other duties as they arise.

Research Engineer, Montana Water Center, MSU-Bozeman, Havre, MT. April, 2004 – June, 2005. Write content and activity scripts for interactive computer based training as related to ground water, surface water, and wastewater training for treatment plant operators of small water and wastewater systems nation wide. Collaborate with MSU-Northern Water Quality and Science professors and Montana Water Center.

Environmental Trainer, Montana Water Center, MSU-Bozeman, Havre, MT. October, 2003 – April, 2004. Develop content and activity scripts for interactive computer based training as related to wastewater training for wastewater lagoon system operators nationwide. Collaborate with MSU-Northern Water Quality and Science professors and the Montana Water Center.

Wastewater Treatment Plant Operator, Class 1C, City of Havre, Havre, MT. October, 2000 – April, 2004. Sole evening operator for 1.5 million gallon per day activated sludge municipal wastewater treatment plant. Responsible for plant operations, laboratory analyses, grounds maintenance, and security between 3:00 p.m. and 11:00 p.m.

Water Quality/Reclamation Technician, Montana Salinity Control Association, Conrad, MT. June, 2000 – October, 2000. Operate B-31 drill rig when drilling monitoring wells for saline seep reclamation and leaking underground storage tank reclamation. Provide forage recommendations to farmers and ranchers to assist in reclaiming farm and ranch lands affected by saline seep. Analyze water samples for specific conductance, pH, dissolved oxygen, and nitrates. Collect water samples for laboratory analysis. A resource for public education on salinity and saline seeps.

Training and Development Specialist, Montana Environmental Training Center/Montana State University-Northern, Great Falls, MT. May, 1994 – May, 2000. Implement, facilitate, and present water and wastewater and other environmentally related workshops covering treatment plant operation and maintenance, design, process control, rules and regulations, and much more. Design annual training calendar, newsletters, water resource library catalog and brochures; maintain lab equipment and

inventory; prepare training materials; assist with lab oriented workshops; prepare workshop reports. Assist Training Coordinator in developing annual budget proposals, and tracking income and expenses. Responsible for keeping administrative assistant on task in absence of Training Coordinator.

Laboratory Technician, Northern Montana College, Havre, MT. January, 1991 – May, 1993. Performed chemical and biological analysis on water and wastewater samples for local businesses, state agencies, federal agencies and community members upon request. Operated and performed minor repairs on spectrophotometers, pH meters, dissolved oxygen meters, atomic absorption machine, balances, distiller, phase contrast microscopes, centrifuges, jar testers, etc.

GRADUATE RESEARCH EXPERIENCE

Graduate Student, Montana State University - Northern. March, 2000 – December, 2001. A study of the abundance of green algae and blue-green algae in relation to biochemical oxygen demand and total suspended solids of selected facultative wastewater lagoon effluents in Montana. Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS) tests were run on samples from 9 different lagoon systems in central Montana. Green and blue-green algae were counted and then results correlated to BOD and TSS variables.

UNDERGRADUATE RESEARCH EXPERIENCE

Research Technician, Northern Montana College/Montana Salinity Control Association, Havre, MT. December, 1990 – May, 1993. Salinity research involving 17 different types of water quality analysis of Hill County Fairgrounds saline seep area.

UNDERGRADUATE RESEARCH EXPERIENCE CONTINUED

Industrial Waste Technician, Northern Montana College/City of Havre/Burlington Northern Railroad, Havre, MT. April – June, 1990. Oil and grease analysis of wastewater.

CERTIFICATIONS

American Backflow Prevention Association, Backflow Prevention Assembly Tester	1997-present
Practical Exam Proctor	1997-2003
Montana Class 1A, Operator in Training, Water Treatment	1991-present
Montana, Class 1C, Wastewater Treatment Plant Operator	1990-present
Montana Farm Applicator, Restricted Pesticides	1989-present

PROFESSIONAL ACTIVITIES

American Backflow Prevention Association	1997-present
Montana Continuing Education Credit Review Committee, Water/Wastewater	1996-2000
Montana Section American Water Works Association	1994-present
Secretary/Treasurer	1999-2003
Research Specialist Search Committee/Montana Bureau of Mines and Geology	1994
Montana Community Recyclers	1992-1993
Montana Academy of Sciences	1992-1994
Water Environment Federation, as student and via work	1991-2000, 2003-present

PROFESSIONAL ACHIEVEMENTS

The Marquis Who's Who of Science and Engineering, Fifth Edition	2000-present
Montana Environmental Training Center Appreciation Plaque	2000
Continuing Education Credit Review Committee Appreciation Plaque	2000
The Marquis Who's Who of American Women, Twenty-First Edition	1999-present
Bahr Environmental Trainer Award, co-recipient	1998