HARVEY A. GULLICKS, Ph.D., P.E.

ASSOCIATE PROFESSOR EMERITUS, CIVIL ENGINEERING (2016)

LICENSURE:

Minnesota, North Dakota, Montana

PRESENT POSITION:

Senior Project Manager (2016-present)

Advanced Engineering and Environmental Services, Inc. (AE2S)

Expertise: Water and Wastewater Treatment Process Design, Pump Station Design

EDUCATIONAL BACKGROUND:

BSCE, University of North Dakota, 1976, summa cum laude

Master of Engineering, Civil Engineering, Environmental, University of North Dakota, 1979

Ph.D., Civil Engineering, Environmental, Iowa State University, 1987

PREVIOUS PROFESSIONAL EXPERIENCE:

1976-1977 Engineer, Union Pacific Railroad Company, Omaha, NE

1979-1983 Engineer, STS, Ltd, Plymouth, MN

1987-1989 Project Engineer, Veenstra & Kimm Consulting Engineers, Inc.,

West Des Moines, IA

1989-1993 Environmental Services Manager, UniField Engineering, Inc., Billings, MT

1993-2016 Associate Professor of Civil Engineering, University of North Dakota,

Grand Forks, ND

Main Accomplishments:

Research Funding Obtained: Greater than $500,000

Led Distance Engineering Degree Program establishment and distance student advising for CE Dept.

Expansion of CE Dept. Graduate Program to include MS and Ph.D.

2010-2016 Chair of Civil Engineering, University of North Dakota, Grand Forks, ND

Ph.D. STUDENTS ADVISED: Raphael Afonja, Ph.D., 2016

MASTER’S STUDENTS ADVISED: 22

OTHER GRADUATE STUDENT COMMITTEES SERVED: 9

SELECTED PUBLICATIONS:

Evans, E., Ellis, T., & Gullicks, H.A. (accepted 2003). “Trickling Filter Nitrification Performance Characteristics and Potential of a Full-Scale Municipal Wastewater Treatment Facility” (Paper EE-23316), Journal of Environmental Engineering, American Society of Civil Engineers.

Gullicks, H.A. (2001). “Bar Graph Water Softening Chemistry for Operators and the Practicing Engineer (a.k.a. Chemistry for Those with Dusty Books),” for distribution to lime softening plant operators and consulting engineers in the upper Midwest.

Note: this publication has been used extensively by AE2S to program spreadsheets related to chemical additions for water treatment plant control systems.

Gullicks, H.A. & Cleasby, J.L. (1993). "Closure to Discussion of: Nitrification Performance of a Pilot-Scale Trickling Filter, H.A. Gullicks, J.L. Cleasby, 62, 40 (1990), and Cold-Climate Nitrifying Biofilters: Design and Operation Considerations, H.A. Gullicks, J.L. Cleasby, 62, 50 (1990); Discussion by B.E. Logan, D.S. Parker, 62, 933 (1990)," Water Environment Research, 65, 900.

Gullicks, H.A. & Cleasby, J.L. (1990). "Cold-Climate Nitrifying Biofilters: Design and Operation Considerations," Journal Water Pollution Control Federation, 62, 50.

Gullicks, H.A. & Cleasby, J.L. (1990). "Nitrification Performance of a Pilot-Scale Trickling Filter," Journal Water Pollution Control Federation, 62, 40.

Gullicks, H.A. & Cleasby, J.L. (1986). "Design of Trickling Filter Nitrification Towers," "Journal Water Pollution Control Federation, 58, 60.

SPECIAL AWARDS:

OFFICIAL PROCLAMATION AND CERTIFICATE OF COMMENDATION, CITY OF AMES, IA, 1989

FOR ENGINEERING CONTRIBUTIONS RESULTING IN $900,000 CONSTRUCTION COST SAVINGS ASSOCIATED WITH CITY’S TRICKLING FILTER SOLIDS CONTACT WASTEWATER TREATMENT PLANT.

UND NORTH DAKOTA SPIRIT FACULTY ACHIEVEMENT AWARD 2012