Adopted by the Regents
May 19, 2022

THE UNIVERSITY OF MICHIGAN

Regents Communication

ACTION REQUEST

Subject: **Report of Faculty Retirement**

Action Requested: **Adoption of Retirement Memoir**

Kim F. Hayes, Ph.D., Arthur J. Decker Collegiate Professor of Civil and Environmental Engineering and professor of civil and environmental engineering in the College of Engineering, retired from active faculty status on May 31, 2022.

Professor Hayes received his B.S. degree (1980), two M.S. degrees (1980 and 1982), and his Ph.D. degree (1987), all from Stanford University. He joined the University of Michigan faculty as an assistant professor in the Department of Civil and Environmental Engineering (CEE) in 1988. He was promoted to associate professor in 1994 and professor in 2001. He served as director of the Environmental and Water Resources Engineering program in CEE from 2001-07, as the CEE interim chair in 2011, and as department chair from 2013-17. He was appointed the Donald Malloure Department Chair from 2015- 17 and the Arthur J. Decker Collegiate Professor in 2015.

Professor Hayes' expertise spanned the fields of surface and interfacial chemistry, environmental chemistry and engineering, and nanotechnology for improved water quality. His work included molecular-scale characterization of metal ion sorption at mineral-water interfaces, and the development of surfactant-based groundwater remediation strategies, metal working fluid systems for machining operations to reduce health risks and environmental impacts, and advanced oxidation processes for the removal of pharmaceuticals from water using iron/sulfide catalysts. He also investigated the sustainability of iron-based water filtration systems for removing arsenic and the accuracy of field test kits for monitoring arsenic in drinking water sources in Bangladesh.

Professor Hayes' honors include a NSF Presidential Young Investigator Award, a UM Distinguished Faculty Achievement Award, a CH2M Hill Distinguished Lectureship, an Outstanding Publication Award from the Association of Environmental Engineering and Science Professors (AEESP) for a "Landmark paper" that significantly influenced the practice of environmental engineering, and a Distinguished Service Award from AEESP as board member and secretary. He published 110 journal articles, 11 book chapters, and more than 200 refereed conference proceedings, summaries, and abstracts. He graduated 21 Ph.D. students and 33 MSE research students during his career.

The Regents now salute this distinguished faculty member by naming **Kim F. Hayes, Arthur J. Decker Collegiate Professor Emeritus of Civil and Environmental Engineering and professor emeritus of civil and environmental engineering**.

Requested by:

Sally J. Churchill

Sally J. Churchill, J.D.
Vice President and Secretary of the University

May 2022