

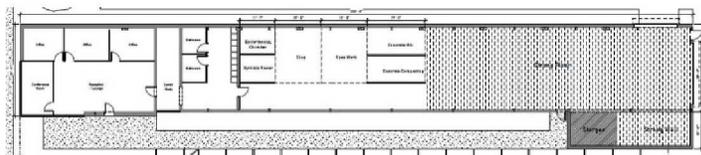


Work Force Development Pipe Management Program (PMP)

The Work Force Development Pipe Management Program (PMP) is a training and research center to address the needs of Great Lakes Water Authority (GLWA) and the wider water utility sector. The facility is located at Wayne State's **Rachmale Foundation Structures and Materials Laboratory** in Highland Park, Michigan, within the Lakeshore Global Corp. corporate campus.

GLWA supplies water services to approximately 43% of Michigan residents.

Wayne State University (WSU) is an urban research university in Detroit, MI. Its Civil and Environmental Engineering program forms the education and research backbone of the PMP.



Program Goals

1. Water Industry Workforce Development

Educate water industry professionals and civil engineering students on water and wastewater linear systems through hands-on learning with actual pipes and systems.

2. Large Diameter Pipe Research

Characterize pipe behavior and the performance of renewal technology with a unique large diameter pressurized pipe testing system.

3. Develop large diameter pipe boneyard facility

Maintain a facility to store and investigate salvaged pipes and valves, serving as a physical database of pipe and valve types, deterioration, and damage.

4. Program growth and advancement

Work toward broad acceptance and support from water utility sector stakeholders by promoting the benefits of PMP activities.



The WSU-GLWA Research Team



Christopher Eamon

Chris Eamon (PhD, PE) is Professor of structural engineer with expertise in the reliability analysis and numerical modeling of infrastructure systems and components.

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John Norton

John Norton (PhD, PE) is the Director of Energy, Research, and Innovation at GLWA. He leads research efforts and directs projects related to water and wastewater infrastructure.

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Graham Bell

Graham Bell (PhD, PE) brings more than 40 years of experience with applied research, product development and innovation for large diameter pipe to WSU-GLWA PMP.

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GLWA Advisory Team

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Patricia Butler, Organizational
Development

Jerrold Wade, Engineering

Todd King, Resiliency

Steven Dutschke, Planning

Jody Caldwell, Planning

Peter Fromm,
Water Transmission

Jason Edberg, Infrastructure

Visiting the WSU-GLWA PMP

Visitors: Visitors are welcome to the PMP and associated facilities. PMP aims to broaden collaboration and share knowledge within the linear systems community.

Prospective Pipe Systems Researchers and Industry Partners: The research and educational team welcomes collaborative research efforts and workforce development using PMP facilities.

Prospective Students: Students interested in a Civil Engineering career in pipe systems are encouraged to inquire about educational opportunities.

The PMP is located in Highland Park, MI, about five miles from the WSU Main Campus, next to 14443 Hamilton Ave., Highland Park, Michigan

Please contact Prof. Chris Eamon for more information.



WSU and GLWA PMP Research Team

External Advisory Board

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Graham Bell, PhD, PE, Vice President of Technical Services
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