

A Water Luncheon Seminar



► Presented by:
The Water Management Association of Ohio
and
The Ohio Water Resources Center

April 17, 2019; 11:30 a.m. - 1:00 p.m.

Wilma H. Schiermeier Olentangy River Wetland Research Park,
The Heffner Building, 352 Dodridge St., Columbus, OH 43202



From St. Rt. 315, exit east onto Ackerman Rd, continue past Olentangy River Rd onto W. Dodridge St, then left into Park driveway.

Water quality performance and methods to maintain the hydraulic function of permeable pavements

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Permeable pavement is an effective tool for improving stormwater quality when sited over soils with high infiltration rates, but its efficacy over less permeable soils is uncertain. This presentation will focus on three novel questions related to water quality performance of permeable pavements:

- Water quality performance when situated over heavy clay soils,
- Nutrient removal through denitrification during dry periods, and
- The effects of seasonality on water quality performance, particularly in locales with cold winters.

To ensure long-term function, permeable pavements need maintenance to remove accumulated sediment and debris which clogs its pore space. Various maintenance methods were tested in the field, including different types of street sweepers, milling the pavement surface, vacuuming, and pressure washing, to determine what techniques best restore permeable pavement hydraulic function. Permeable pavement can significantly reduce the load of common stormwater pollutants even over heavy clay soils if engineering design accounts for seasonal influences and long-term maintenance needs.

Please register by April 15, 2019. Late or on-site registrations are not guaranteed a meal. For registered engineers who need Professional Development Hours (PDHs), this presentation offers 1 PDH.

WMAO Member (\$15) Nonmember (\$18) Student (\$7) Special meal? _____

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Please send form and check to: WMAO-Luncheon, 8584 E. Washington St. #206, Chagrin Falls OH 44023.

OR, register online with a credit card at: www.wmao.org.