



Southeastern Branch
Michigan Section



American Society of Civil Engineers

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Branch Website

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**ASCE SOUTHEASTERN BRANCH
TECHNICAL ACTIVITIES COMMITTEE
AND MSPE PRESENT:**

Van Buren Township Sanitary Equalizer Basin

- Presentation:** Todd Knepper (Van Buren Township) and Dave Nummer will be conducting a joint presentation of the Van Buren Township sanitary Equalizer Basin, including a discussion of the design and construction as well as an overview of the operation of the Basin. The basin's sanitary sewer flows are divided between four different sewer systems. The three main systems are the North Huron Valley/Rouge Valley system, the Downriver system, and the South Huron Valley Utility Authority (SHVUA) system. Van Buren Township purchased contract capacities in each of these systems, which can limit the amount of flows being sent for treatment. With growing concerns over wet-weather related SSO's, a hydraulic model was developed to determine storage capacity, and with three separate sewer flow meters, which, through a programmable SCADA system, activate three individual diversion chambers, and flow that is detected at or above the contract capacities of any or all of these three systems is diverted to the 1.3 MG equalization basin. At an appropriate time, the basin can then be de-watered, with the option of sending the de-watering flows to either or both the Downriver system and the SHVUA system for treatment.
- Date:** Tuesday, March 10th
- Location:** Woodlands of Van Buren Golf Course & Banquet Center
39670 Ecorse Road
Wayne, MI 48184
(734) 729-4477
- Agenda:** 12:00 – 12:30 Lunch Buffet
12:30 – 1:00 Presentation
1:00 – 1:30 Site Visit & Tour
- Cost:** \$20 per member
\$25 per non-member
- Contact/RSVP:** Beth Kilbourne, P.E.
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Please register no later than March 2, 2009.

Please make checks payable to ASCE Southeastern Michigan Branch.