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**GEO-INSTITUTE CHICAGO – OCTOBER DINNER MEETING
GEOTECHNICAL ASPECTS OF THE MCCOOK RESERVOIR**

PLACE:	Pazzo's at 311 311 S Wacker Dr., Chicago, IL 60606 ((312) 913-1600) (Parking is located South of the 311 building - \$13.00 after 5:00 pm)
DATE:	Tuesday, October 10, 2017 Cocktails 5:15 pm, Dinner 6:15 pm, Presentation follow dinner
SPEAKER:	Patrick Jensen, P.E.,
COST:	\$45 General (Contractor, Consultant with reservation) \$35 Education/Government Employees (with reservation) \$25 Students (with reservation) \$50 At the door OR After RSVP date (Make checks payable to "ASCE Geotechnical Group")
RSVP:	Monday, October 9, 2017 at 12:00 pm (CST) Email: asceilgeotech@gmail.com Phone: Brandon Hughes 773.721.9797 x332 Alex Barlan 847.253.3845 x206

Program Summary

Currently the Metropolitan Water Reclamation District of Greater Chicago (MWRD) is preparing to bring Stage 1 of the McCook Reservoir online by the end of 2017. The reservoir has been mined out of limestone on property owned by the MWRD between the Sanitary and Ship Canal and the Des Plaines River. Mr. Patrick Jensen, P.E. of the MWRD will give a presentation on the geotechnical aspects of the design and construction of the reservoir, its partnership with Vulcan Materials (Vulcan) and the Army Corp of Engineers (ACoE). The MWRD contracted with Vulcan to mine the limestone and create the void for the reservoir. MWRD paid for a primary crusher, mining trucks and loaders for Vulcan and a conveyance tunnel was constructed under the Des Plaines River to transport the mined limestone into Vulcan's existing quarry north of the Des Plaines River where it was processed, graded and then sold. Vulcan reimbursed to MWRD a royalty on the limestone sold. The ACoE paid 75% of the cost for the design and construction of the reservoir features, such as the perimeter grout curtain, distribution tunnels between the reservoir and the existing Mainstream Pumping Station, and a tunnel to connect the reservoir to the existing Mainstream TARP tunnel.



Mr. Jensen is a Senior Civil Engineer with the MWRD and has been involved with the design and construction the Tunnel and Reservoir Program (TARP) since 2009. He is a graduate of Marquette University in Milwaukee, WI.