



## Collection Systems Fall Seminar December 1, 2016



Join the CWEA Collection System Committee's Fall Seminar this year. Enjoy technical presentations on transient pressures, condition assessments, force main locating, corrosion control, force main cleaning and rehabilitation, and other relevant issues on sewer force mains. Come learn, discuss, and share what others are doing with their force main programs.

If your firm would like to be a sponsor for this seminar or have a display, please contact:

Cheryl Paulin at [Cheryl@chesapeakewea.org](mailto:Cheryl@chesapeakewea.org) or call (717) 630-0303 for information.

**Course Pending Approval – 4.0 PDHs**

### Registration

Online registration by credit card at (look under Events/Event Registration):

[www.chesapeakewea.org](http://www.chesapeakewea.org)

Pay by check: Please register on-line, select the pay by check option, and mail check to CWEA, 35 Rosecroft Run, Hanover, PA 17331

**7:45 a.m. – 3:00 p.m.**

MITAGS

692 Maritime Boulevard

Linthicum Heights, Maryland 21090

[Mitags-pmi.org](http://Mitags-pmi.org)

(410) 859-5700

**For more information  
contact:**

**Andy Fitzsimons**

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# Fall 2016

## Collection Systems Seminar



Time	Session No.	Topic	Speaker	Details
<b>MORNING SESSION</b>				
7:45	-	Registration and Breakfast		
8:15	-	Welcome	Andy Fitzsimmons, Chair Collection Systems Committee WSSC	
8:30	1	KEY NOTE SPEAKER	Tom Kiefer, Bureau Chief of Engineering & Construction Baltimore County	An overview of Baltimore County's Force Main Asset Management Program.
9:00	2	Transient Pressures	Jennifer Steffens, Wastewater Practice Leader Pure Technologies	Causes and Effects of Transient Pressures in Force Mains and How to Detect Them.
9:30	3	Condition Assessment	Paul Schumi, Business Development Manager Hydromax USA	Use of currently available technology, including P-Cat Scanning, for force main condition assessments.
<b>BREAK AND VISIT VENDOR TABLES</b>				
10:30	4	Force Main Locating	David Ball, Operations Supervisor I & Wes Warren, Utility Worker IV Howard County	Location and marking methods used by Howard County Customer Service Group and Stakeouts Group of Locators.
11:00	5	Corrosion Control	Prabhu Chandrasekeran, Associate Greeley & Hansen	Sulfide Modeling as an Asset Management Tool.
<b>LUNCH</b>				
<b>AFTERNOON SESSION</b>				
1:00	6	Force Main Cleaning	Joe Schotthoefer, Vice President of Operations Doetsch Environmental Services	How are force main and gravity sewer cleaning processes different? Join the discussion of hydraulic cleaning of force mains for hardened debris removal, visual assessment, and rehabilitation preparation.
1:30	7	Force Main Rehabilitation	Lenny Assard PE, Manager of Engineering Services Michels Pipe Services	Solutions to Force Main Rehab using Cured in Place Pipe.
<b>BREAK AND VISIT VENDOR TABLES</b>				
2:30	8	PANEL DISCUSSION	Invited speakers from above	Hear the presenters from the day join a panel discussion on force main issues.
3:00	-	Closing Statements and Raffle	Maya Sathyanadhan, Vice-Chair, Collection Systems Committee WSSC	

Seminar will kick-off at 8:15 a.m. with a short intro by the Committee Chair. The morning and afternoon sessions will each include a 30 minute break for interaction with the vendors. Lunch is scheduled from 11:45 to 12:45 p.m.

<b>Rates:</b>	<b>Member</b>	<b>Non-Member</b>	<b>Vendor</b>
Registration	\$80	\$90	\$400