



# Agenda • September 2020 Municipal Sewer Grout School

DAY 1 • Wednesday, September 16, 2020

Time	Item	Instructor(s)	Location
7:30-8:00	Arrival & Breakfast	Team	Classroom
8:00-8:30	Welcome: How to get the most of the next two days, introductions	Team	Classroom
8:30-9:15	Introduction to Municipal Grouting	Britt Babcock	Classroom
9:15-10:00	Infiltration control through remotely operated equipment	Marc Anctil	Classroom
10:00-10:15	BREAK		
10:15-10:30	Infiltration flow rate demo in sewer pipe bedding soils	Ron Manestar	Shop
10:30-11:00	Grout Truck Introduction	Ron Manestar	Classroom & Shop
11:00-11:45	Introduction to NASSCO/ICGC Specification	Marc Anctil	Classroom
11:45-12:30	LUNCH		
12:30-12:50	Pressure Transducer	Ron Manestar Marc Anctil	Classroom
12:50 -1:05	Hydraulic water pressure & transducer example (mainline plexiglass)	Ron Manestar Marc Anctil	Shop
1:05-3:05 5 groups - 24 min each	<ul style="list-style-type: none"> <li>• Pump station - RM</li> <li>• Check-Valve station (panel) - MA</li> <li>• Grout Station (AV-100/Urethanes) - BB</li> <li>• Grout Panel (truck) – All</li> <li>• Urethane Grout Pump (troubleshoot) - JS</li> </ul>	Marc Anctil Ron Manestar Britt Babcock Jacob Swanson	Shop
3:05-3:20	BREAK		
3:20-4:20	Grout truck system with water <ul style="list-style-type: none"> <li>• Bucket test</li> <li>• Packer ASTM test on system integrity</li> <li>• Packer pump/void calculation</li> <li>• Questions on gel times/flow rates</li> </ul>	Ron Manestar Marc Anctil Britt Babcock	Shop
4:20-5:05	<ul style="list-style-type: none"> <li>• Annulus flow demonstration in line pipe</li> <li>• Lateral packer operation in plexiglass pipe</li> </ul>	Marc Anctil Ron Manestar	Shop
5:05-5:30	Recap of day, Q&A	All	Class
5:30-7:00	Hors d'oeuvres and Refreshments – Location TBD		

\*Agenda subject to change



# Agenda • September 2020

## Municipal Sewer Grout School

DAY 2 • Thursday, September 17, 2020

Time	Item	Instructor(s)	Location
7:30-8:00	Arrival + Breakfast		
8:00-9:30	SOPP Certification - Material Safety Training + Test	Jacob Swanson	Classroom
9:30-9:45	BREAK + Class Photo		
9:45-10:30	AV-100 Grout Tank Mixing	Jacob Swanson	Shop
10:30-11:15	Logiball Packer Presentation & Maintenance	Marc Anctil	Shop
11:15-11:45	Hydrometer test, Temperature effects on gel time	Britt Babcock	Classroom
11:45-12:30	Manhole Rehab Presentation & Demo	Jacob Swanson	Classroom/Shop
12:30-1:00	LUNCH		
1:00 – 1:30	Prepare Sand Grout Box & Packer	Marc Anctil Ron Manestar	Shop
1:30 – 2:00	Annulus Grouting of Lined Pipe	Marc Anctil Ron Manestar	Shop
2:00 – 2:30	Lateral Connection Sealing Demo	Marc Anctil Ron Manestar	Shop
2:30 - 2:45	BREAK		
2:45 – 3:15	Open Discussion	Marc Anctil Ron Manestar	Classroom
3:15-3:30	Complete Evaluation Form + Certificate of Completion	Britt Babcock Jacob Swanson	
3:30	End of school – safe travels!		

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