



Agenda • January 2022 Municipal Sewer Grout School

DAY 1 • Wednesday, January 12, 2022

Time	Item	Instructor(s)	Location
7:30-8:00	Arrival & Breakfast		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 Ancil	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 NEW NASSCO/ICGC specification with charts & formula	Marc Ancil	Classroom
11:45-12:30	LUNCH		
12:30-12:50	Pressure Transducer	Ron Manestar Marc Ancil	Classroom
12:50 -1:05	Hydraulic water pressure & transducer example (mainline plexiglass)	Ron Manestar Marc Ancil	Shop
1:05-3:05 5 groups - 24 min each	<ol style="list-style-type: none"> 1. Pump station - RM 2. Check-valve station (panel) - MA 3. Grout station (AV-100/Urethanes) - BB 4. Grout panel (truck) – All 5. Urethane grout pump (troubleshoot) - CH 	Marc Ancil Ron Manestar Britt Babcock Chris Hamilton	Shop
3:05-3:20	BREAK		
3:20-4:20	Grout truck system with water <ul style="list-style-type: none"> • Bucket test • Packer ASTM test on system integrity • Packer pump/void calculation • Questions on gel times/flow rates 	Ron Manestar Marc Ancil Britt Babcock	Shop
4:20-5:05	<ul style="list-style-type: none"> • Annulus flow demonstration in line pipe • Lateral packer operation in plexiglass pipe 	Marc Ancil Ron Manestar	Shop
5:05-5:30	Recap of day, Q&A	All	Class
5:30-7:00	Dinner/Networking		

*Agenda subject to change



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Municipal Sewer Grout School

DAY 2 • Thursday, January 13, 2022

Time	Item	Instructor(s)	Location
7:30-8:00	Arrival + Breakfast		
8:00-9:30	SOPP Certification--Grouting material safety training course & test	Chris Hamilton	Classroom
9:30-9:45	BREAK + Class Photo		
9:45-10:30	Grout Tank Mixing	Chris Hamilton	Shop
10:30-11:15	Logiball Packer Presentation & Maintenance	Marc Ancil	Shop
11:15-11:45	Hydrometer test, Temperature effects on gel time	Britt Babcock	Classroom
11:45-12:30	Manhole rehab (injection grouting) presentation & demo	Chris Hamilton	Classroom/Shop
12:30-1:00	LUNCH		
1:00 – 1:30	Prepare sand grout box & packer	Marc Ancil Ron Manestar	Shop
1:30 – 2:00	Annulus grouting of lined pipe	Marc Ancil Ron Manestar	Shop
2:00 – 2:30	Lateral connection sealing demo	Marc Ancil Ron Manestar	Shop
2:30 - 2:45	BREAK		
2:45 – 3:15	Open discussion	Marc Ancil	Classroom
3:15-3:30	Complete evaluation form	Ron Manestar	
3:30-4:00	Issue Certificate of Completion	Britt Babcock	
4:00	End of school – safe travels!		

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