



Municipal Sewer Grout School

Webster • January 2024

DAY 1 • Wednesday, January 17, 2024

Time	Item	Instructor(s)	Location
7:45 - 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	Chris Hamilton	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	Warehouse
10:30 - 11:00	Grout Truck Introduction	Ron Manestar	Classroom & Warehouse
11:00 – 12:00	Introduction to NEW NASSCO/ICGC specifications	Marc Ancil	Classroom
12:00 - 12:30	LUNCH		
12:30 - 12:50	Pressure Transducer	Ron Manestar Marc Ancil	Classroom
12:50 - 1:00	Hydraulic water pressure & transducer example (mainline plexiglass)	Marc Ancil	Warehouse
1:00 - 3:00 4 groups – 30 min each	<ul style="list-style-type: none"> Pump station - Ron Check Valve - Marc Grout station – Acrylamide/Acrylics Grout station - Urethanes 	Team	Warehouse
3:00 - 3:15	BREAK		
3:15 - 4:15	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 	Team	Warehouse
4:15 - 5:00	<ul style="list-style-type: none"> Annulus flow demonstration in line pipe Lateral packer operation in plexiglass pipe 	Ron Manestar	Warehouse
5:00 - 5:30	Recap of day, Q&A	Team	Class
5:30 – 7:00	NETWORKING HAPPY HOUR - TBD		

*Agenda subject to change



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DAY 2 • Thursday, January 18, 2024

Time	Item	Instructor(s)	Location
7:45 - 8:00	Arrival + Breakfast	Team	Classroom
8:00 - 9:15	Safe Operating Practices Program (SOPP) - Grouting material safety training & test	Chris Hamilton	Classroom
9:15 - 9:30	BREAK + Class Photo		
9:30 - 10:15	Grout Tank Mixing	Chris Hamilton + Volunteer	Warehouse
10:15 - 11:00	Logiball Packer Presentation & Maintenance	Marc Ancil	Warehouse
11:00 - 11:30	Hydrometer test, Temperature effects on gel time	Chris Hamilton	Classroom
11:30 - 12:00	Manhole Rehab Presentation	Chris Hamilton	Classroom
12:00 - 12:30	LUNCH		
12:30 – 1:00	DEMO: Manhole Rehab	Chris Hamilton	Warehouse
1:00 – 1:30	DEMO: Mainline Pipe Sealing (Grout Box)	Team	Warehouse
1:30 – 2:00	DEMO: Annulus Grouting of Lined Pipe		Warehouse
2:00 – 2:30	DEMO: Lateral Connection Sealing		Warehouse
2:30 - 2:45	BREAK		
2:45 - 3:15	Open discussion	Team	Classroom
3:15 - 3:30	Evaluation form		
3:30 - 4:00	Certificates of Completion		
4:00	End of school – safe travels!		

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