



Sunday Tour Information

The [YP Summit](#)'s Sunday tour will be of McAlpine Creek Wastewater Management Facility. This tour has limited capacity and is currently full. The event will be 1:30 to 5 PM.

If you are signed up and are not going to make this tour, please let us know by emailing EmergingLeaders@wef.org. We will then be able to notify waitlisted attendees.

If you did not sign up and want to attend, you can show up for standby seating (pending cancellations).

When/Where:

- To get there:
 - 1:30 pm on Sunday, March 22nd
 - Meet at the Charlotte Convention Center's main entrance/lobby at 501 S College St, Charlotte, NC 28202.
 - It will take around 30 minutes to drive to the facility.
- To return:
 - We will board the same buses when the tour is done.
 - All attendees will be dropped off at the Charlotte Convention Center by 5 pm.

Before the Tour:

- Wear casual attire, a coat, and comfortable closed toe shoes. This tour will take place indoors and outdoors. Hard hats are not required, as construction will be minimal.
- Make sure to have lunch before you come to meet the bus. No lunch will be provided.
- Bring your own (full) water bottle.
- If you have luggage with you, store beforehand with the concierge at your hotel.

About the Tour

Join us for an exclusive tour of one of the largest wastewater treatment facilities in the southeastern United States. McAlpine Creek Wastewater Management Facility has a daily treatment capacity of 64 million gallons and treats 42 million gallons per day on average. Led by Charlotte Water's operations and engineering staff, this event presents a unique opportunity for a behind-the-scenes look at some of the critical processes involved in treating wastewater before it is returned to the Catawba River basin.

For more than a century, Charlotte Water has been the largest water and wastewater service provider in the Carolinas. Operated by the City of Charlotte, the utility treats more than 100 million gallons of water daily for more than 1.2 million residents and visitors from Davidson to Pineville. Charlotte Water operates 24 hours a day to provide clean water, maintain more than 9,000 miles of pipe, and treat the community's wastewater.

During the tour, you will:

- Gain practical insights into environmental and civil engineering.
- Network with peers and industry professionals.

What to Expect:

- Walk through the following stages of the recovery process:
 - **Preliminary & Primary Treatment** – Headworks and Screening.
 - **Secondary Treatment** – Aeration Basins and Odor Control.
 - **Tertiary Treatment & Disinfection** – Disinfection and Final Effluent.
 - **Solids Handling** – Dewatering and Solids Reuse.
 - **Anerobic Digesters** – High-level overview of McAlpine Creek's treatment process and current and upcoming projects.
- At each stage, a member of McAlpine's operations staff will provide an overview of the process and associated equipment.
- Learn about automation, energy efficiency, and regulatory compliance in a real-world application.
- Discover how fluid mechanics, chemical processes, and control systems are used to ensure the proper functioning of critical treatment infrastructure.

Thank you for notifying us at EmergingLeaders@wef.org if you will **not** be able to be in attendance. Otherwise, we look forward to seeing you then!