



WASTEWATER DIVISION

Middlesex County Utilities Authority Partners with Sayreville School District to Secure Climate Change Education Grant



Wastewater Division December 2024 Statistics

- Average Influent flow -90.89 mgd
- Average Effluent TSS -13 mg/l
- Average Effluent BOD - 15 mg/l
- Biosolids production -During December, MCUA produced 10,348 wet tons of filter cake, all of which was processed through the dryers resulting in 3,835 wet tons of class A product.

*Rainfall for the month was 4.28 inches as measured at the Treatment Plant.

The Middlesex County Utilities Authority (MCUA) has partnered with the Sayreville School District to successfully secure the *Expanding Access to Climate Change Education and NJ Student Learning Standards Through Interdisciplinary Learning and Community Resilience Projects Competitive* grant. This grant, supported by the New Jersey Department of Education (NJDOE), is designed to enhance climate change education and foster community-based resilience projects among students.

The collaboration between the MCUA and Sayreville School District highlights a significant commitment to improving environmental education and empowering students to engage with local climate solutions.

The *Expanding Access to Climate Change Education* grant is centered on two key objectives:

1. **Expanding Equitable Access to Climate Education:** This initiative aims to ensure that all students, regardless of background, have the opportunity to learn about climate change, their community, and the role they can play in addressing it.
2. **Encouraging Student-Centered Experiential Learning:** The grant encourages students to participate in hands-on, experiential learning that connects classroom knowledge with real-world solutions.

The partnership between the Sayreville School District and MCUA ensures that students will have access to expertise and resources in environmental education and local climate resilience initiatives. Community partners like the MCUA bring practical, real-world knowledge to the project, helping students apply what they learn in the classroom to actionable projects in the community.

For the MCUA, this partnership aligns with our ongoing commitment to environmental stewardship and sustainability efforts. Students will have the opportunity to learn alongside local experts in water management, waste reduction, and other environmental practices, gaining valuable insights that will inform their climate action projects.



SOLID WASTE DIVISION

Eagle Encounters: Taking Flight Over the Landfill



Solid Waste Division

December 2024

Year	Monthly Tons	Cumulative Tons
2024	40,851	515,777
2023	38,806	506,854

An average of 237 trucks hauled an average of 1,634 tons of waste to the Landfill facility each day.

On January 18th, East Brunswick’s annual Winter Birding event took place with many eager birdwatchers in attendance. Together, the group identified multiple bird species while visiting several local birding hotspots, each offering a unique habitat. The day’s route included stops at East Brunswick Community Park, Heavenly Farms, the MCUA Landfill, and Bicentennial Park. This year marked a new high of total species identified, coming in at 59! (The previous high was 47).

The weather was brisk, with temperatures in the low 20s°F. The MCUA site, a reliable bird watching location, revealed Bald Eagles, Common Ravens, Peregrine Falcon, American Kestrels, Black Ducks, and a range of gull species. Kathy Wydner, who helps organize the yearly event shared their bird observers saw a Glaucous Gull, which was a one in a lifetime experience for her and so many others in the group!

The event was a wonderful blend of both expected and surprising bird sightings. Special thanks to the East Brunswick Environmental Commission, Steven Albert, and Katherine Wydner for organizing and leading the birding tour.

TRAINING SCHEDULES

FEBRUARY TRAINING: Electrical Safety Training to be Announced at a later date.



Quarter 1 Learning Initiative: Cyber Security is now available in your BizLibrary Assignments. This Initiative will be active from January 8th, 2025 until April 2nd, 2025.

Welcome New Employees!

Nicholas Lucignano – Electrician

Janet Rzepka – General Manager of Procurement

NJWEA Mini-Seminar Success

On January 16th, the Middlesex County Utilities Authority (MCUA) hosted the New Jersey Water Environment Association (NJWEA) Mini Seminar: *"Understanding Weirs, Flumes, and Flow Metering Devices: Knowing How and When to Use Them & Pump Station Monitoring of Flow, Pumps, and Efficiency."*

Presented by Dave Heiner Associates, Inc., in collaboration with Teledyne Isco, Hartco Environmental, and Maid Labs, the event featured insightful presentations from a team of specialists: Jeff Heiner, Dennis McGinnis, Jake Gurkin, Benoit Beaudoin, and Ryan McCaffrey. These experts provided valuable knowledge on the practical application of flow metering technologies, the proper use of weirs and flumes, and the critical role of monitoring systems in optimizing pump station efficiency.

Attendees gained essential insights into selecting the right equipment for accurate flow measurement and the importance of ongoing monitoring for maintaining peak performance in pump stations. The event provided an excellent opportunity for professionals in the water treatment and environmental sectors to deepen their understanding and improve operational practices.