NEW Water Update

Municipal & Industrial Partner Meeting

March 26, 2026

NEW Water
The brand of the Green Bay Metropolitan Sewerage District

Today's Agenda

- **Executive Director Updates**
- **Project Updates**
- **Recent Sewer Leaks**
- **PFAS Monitoring Update**

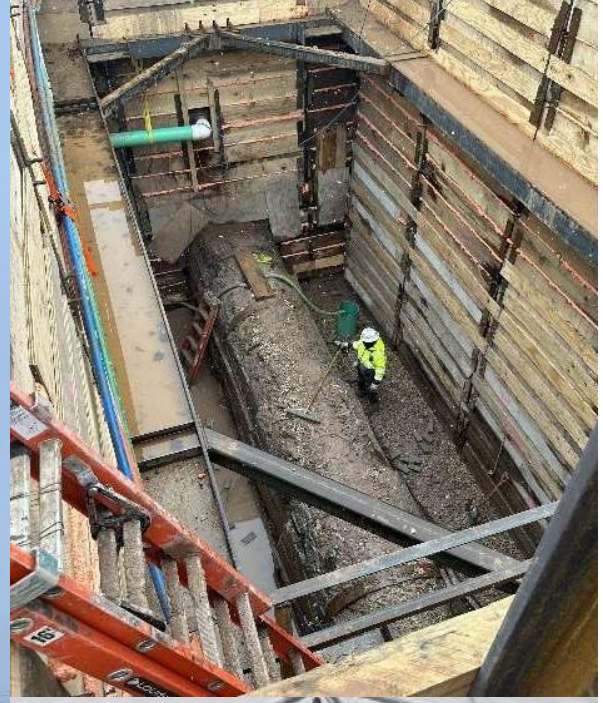
Executive Director Updates

- Brown County Trail Update
  - Estimating Fall construction
  - Reinforcing partnerships and educating about DPF
- 2027 Budget Development
  - Development underway
  - June: flow & load projections
- Strategic Plan Development
  - Thank you to those who contributed to Strategic Plan Survey in February

Project Updates

East River Interceptor Renewal Project and Downtown Interceptor Renewal Project

- Existing interceptor pipes have been in service since the 1930s
- Deterioration of concrete pipe and manholes
- Opportunity to significantly extend the service life of this infrastructure
- $31M capital cost



Project Updates

East River Interceptor Renewal Project & Downtown Interceptor Renewal Project

Construction Status

- East River Interceptor (ERI) Pipe and manhole rehabilitation work has been completed, currently working on abandonment of decommissioned interceptor.
- East Fox River Interceptor (EFR) – Insertion pit in progress on Adams Street, expect pipe on-site in mid-April
- Fox River Crossing Interceptor (FRC) – Constructing insertion pit

Sewer Leaks

- ERI Renewal Project

- February 12, 2026
  - Six locations along temporary conveyance system
  - System was out of service

- February 24, 2026
  - One location along temporary conveyance system

Project Updates

GBF North Plant Clarifier Rehabilitation

- (4) Primary Clarifiers
- (8) Final Clarifiers
- Existing equipment in service continuously since 1975
- Experiencing drive failures, thinning metal in rake mechanism, floating weir troughs
- $41M capital costs

- Status – Construction ongoing
- Professional Engineer's evaluation of the clarifier has been completed

Project Updates

GBF Thickening Improvements

- Project includes gravity thickener mechanisms, gravity belt thickeners, and supporting systems
- $28M capital costs

- Status – Construction ongoing

Project Updates

DPF Pumping and Headworks

- Existing equipment is undersized and has reached the end of its useful life
- Scope includes:
  - Replace screens and screenings washer/compactors
  - Replace influent pumps/increase capacity
  - Replace grit removal/washing equipment
- $24M capital cost

- Status – Construction ongoing

Project Updates

Construction Underway	Capital Estimate
GBF North Plant Clarifier Rehabilitation	$39.1M
GBF Thickening Improvements	$26.5M
DPF Pumping & Headworks	$24.3M
East River Interceptor Rehabilitation	$13.5M
Downtown Interceptors Renewal	$18.1M
Design Underway	
GBF Pumping and Headworks	$57M - $97M
East River Lift Station and Force Main	$12M - $14M
GBF Misc. Pumping and High Strength Waste Improvements	$4.5M to $7M
GBF Hot Oil Economizer Replacement	$3.5M to $5M

Ongoing uncertainty related to inflation, consultant and contractor availability, and supply chain impacts.

PFAS – What are PFAS?

PFAS, or per- and polyfluoroalkyl substances, are a group of human-made compounds that don't break down easily in nature. They're ubiquitous, present in a variety of products, including cookware, firefighting foam, and stain-resistant clothing. They have been linked to low birth weight, cancer, and liver disease, and have been shown to reduce vaccines' effectiveness.

Industrial, commercial, and domestic wastewater may contain PFAS, ranging from trace to higher concentrations. Wastewater treatment plants, such as NEW Water, were not traditionally designed to remove PFAS from wastewater.

Regulatory Status

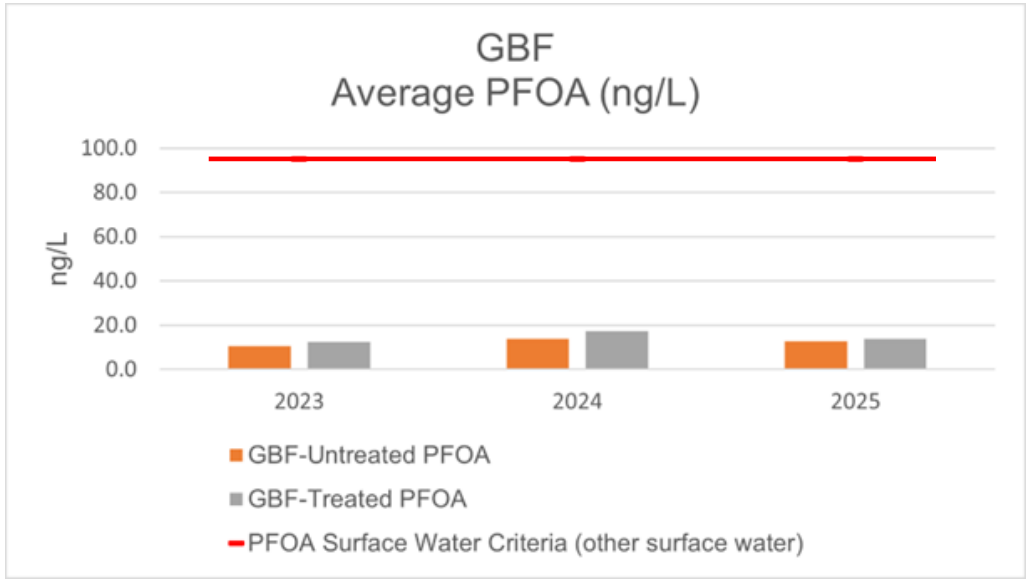
- Currently, PFAS sampling is voluntary for NEW Water.
- EPA is planning a POTW Influent Study, which would likely require POTWs, including NEW Water, to collect limited PFAS samples from influent, effluent, biosolids, and industries.
- NEW Water's future WPDES permit will require sampling, which will inform the need for a Pollution Minimization Plan and permit limits.
- In August 2022, surface water standards for PFOA and PFOS went into effect in Wisconsin.

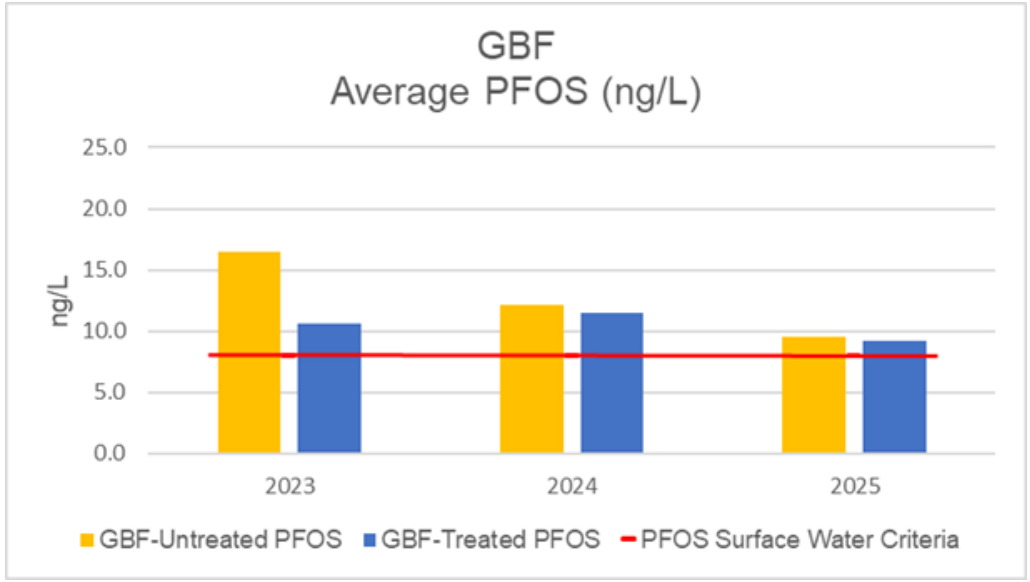
2025 Monitoring Plan

- GBF and DPF untreated and treated
- Major service area contribution locations
- Residential / commercial background locations
- Industries that are known or suspected PFAS sources based on:
  - NEW Water survey results
  - General industry knowledge
  - EPA and WDNR guidance

Sampling frequency: 2X or 4X per year, depending on location.

2023 - 2025 Green Bay Facility Results





Notes:

Results in ng/L which is equivalent to parts per trillion (ppt)

Analytical Methods Used:

- *2023 samples were analyzed using Environmental Protection Agency (EPA) Method 537 (modified)*
- *2024 samples were analyzed using EPA Method 1633*
- *2025 samples were analyzed using EPA Method 1633A*

**NEW Water is not currently subject to PFAS surface water criteria.*

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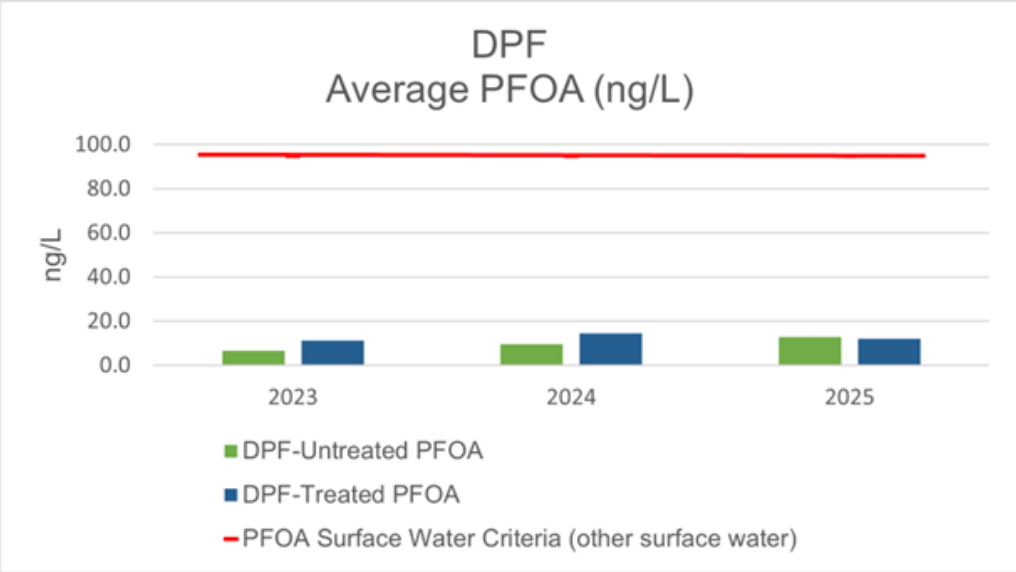

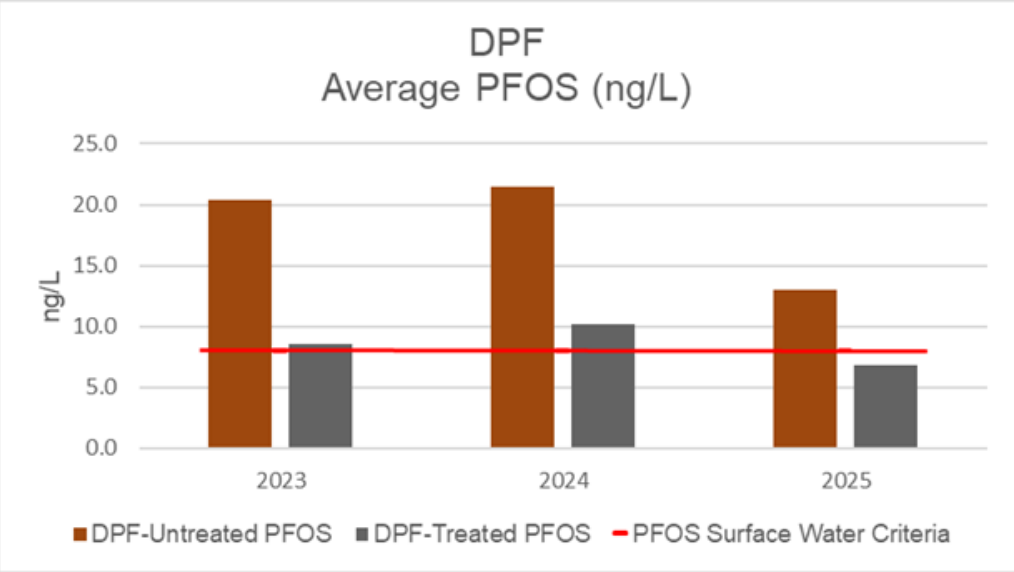

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2025 Collection System Results

Collection System – 2025 Data								
Parameter	**Major Sewershed Basins****	**Commercial/ Residential Areas**	**Paper Mill Industry**	**Metal Finishing Industry**	**Car Wash Product Manufacturers (soap and wax)**	**Industrial Laundry**	**Landfills**	**Additional Facilities/ Industries**
PFOA (ppt)	**<2.0 - 63**	**1.9 – 3.8**	**0.7 - 260**	**1.1 – 14**	**0.4 - 61**	**5.2 – 9.6**	**1200 - 2000**	**0.4 - 89**
PFOS (ppt)	**<1.4 - 48**	**<1.4 – 7.5**	**<0.23 - 21**	**38 – 22,000**	**<5.3 - <280**	**8.8 - 15**	**130 - 590**	**11 - 69**

Notes:

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***Sewershed basins includes major service area contribution locations (major interceptors).*

Next Steps

- Share 2025 results summary on NEW Water's website
- Execute 2026 monitoring plan
- Continue to partner with industries on pollution prevention strategies
- Continue to monitor and participate in regulatory and legislative efforts
- Continue to focus on PFAS source identification and reduction including within its own utility, supply chain, and other potential uses.
- Communicate updates and information with NEW Water's partners and audiences

Questions?

For more information about NEW Water's PFAS Plan of Action, check out our website: PFAS (newwater.us)

Protecting our most valuable resource, water

Thank you for partnering to protect our most valuable resource, water

Stay tuned to NEW Water news

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www.newwater.us

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