

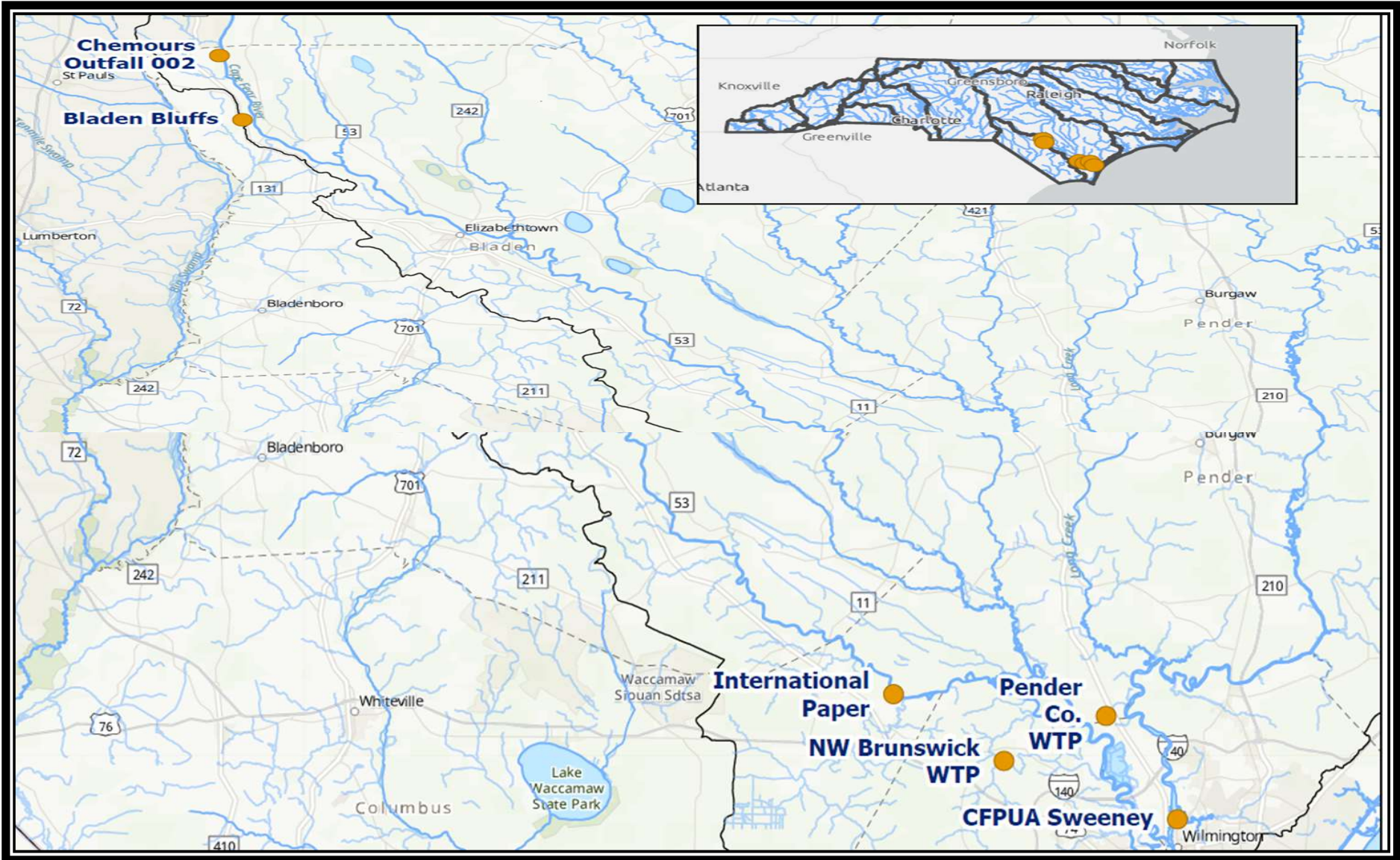


*North Carolina Division of  
Water Resources*

**Surface Water and Finish Water Sampling  
Update – Lower Cape Fear River Basin  
August 13, 2020**



# Water Sampling Locations in Lower Cape Fear



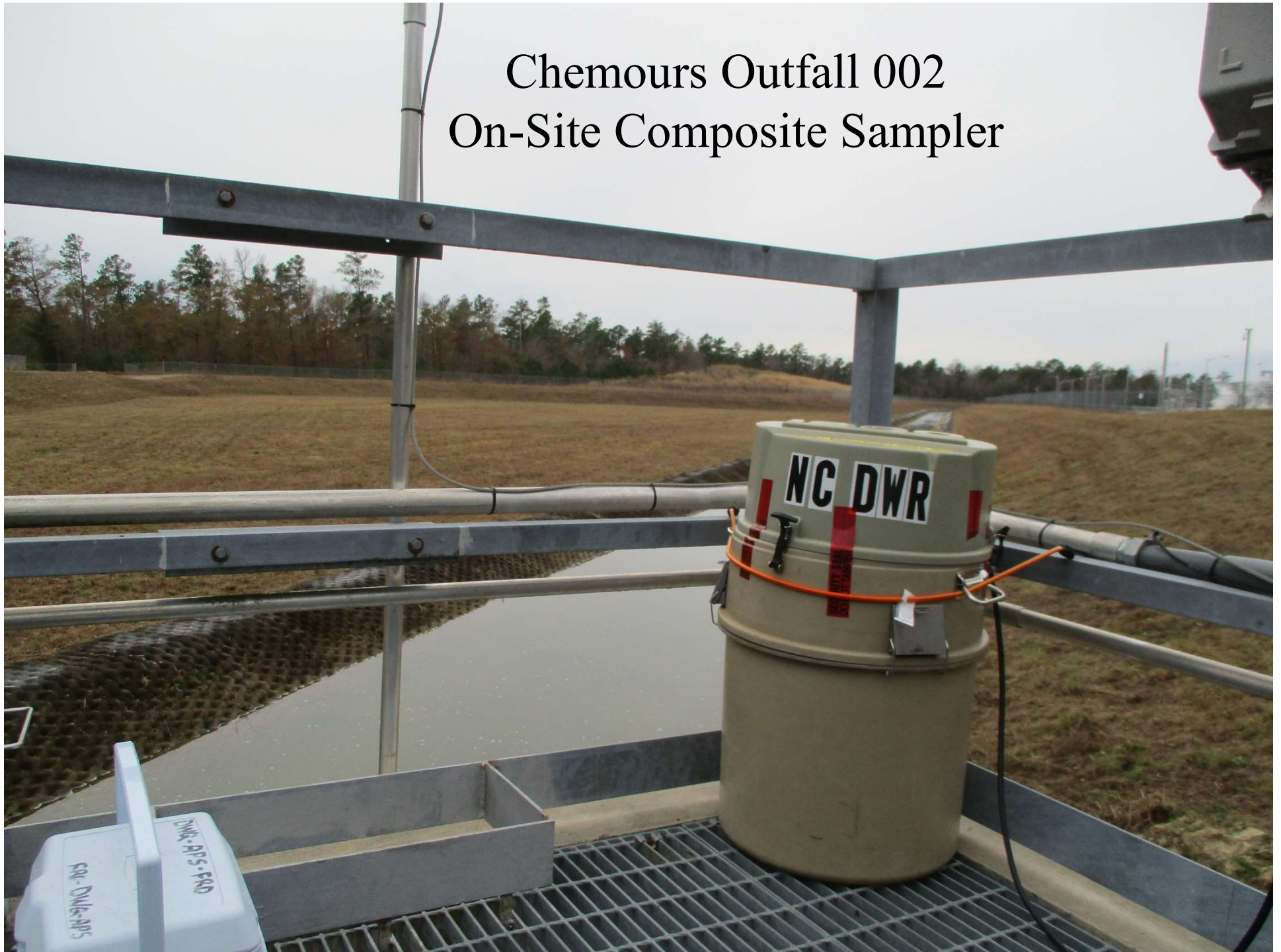


# DWR Surface Water Sampling

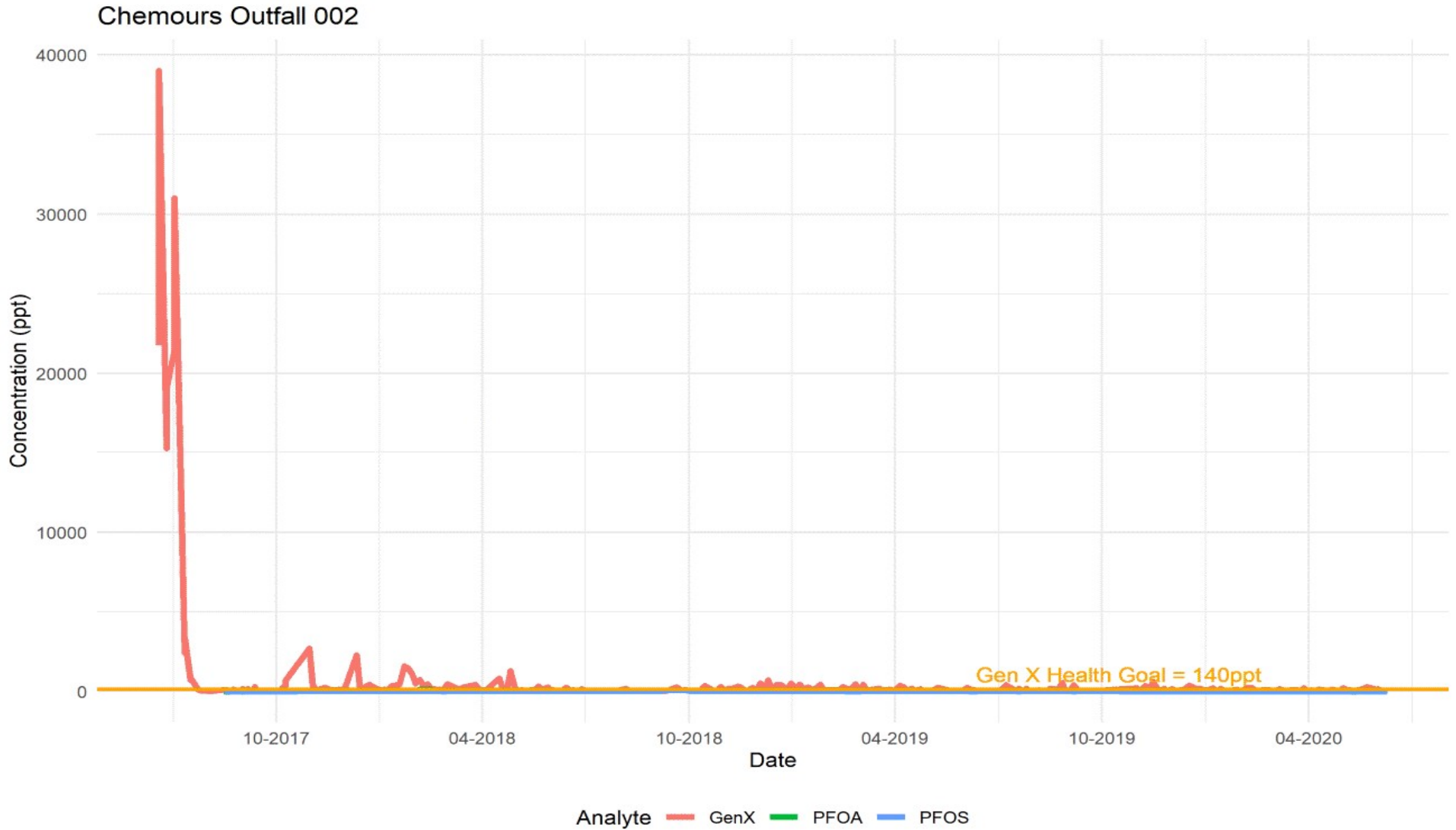
- Staff from the Fayetteville Regional Office sample the Chemours Outfall 002 twice per week under normal circumstances (can vary with holidays and weather events).
- The composite sampler runs from Friday until Tuesday, then from Tuesday to Friday, collecting 350-mls every 3 hours.



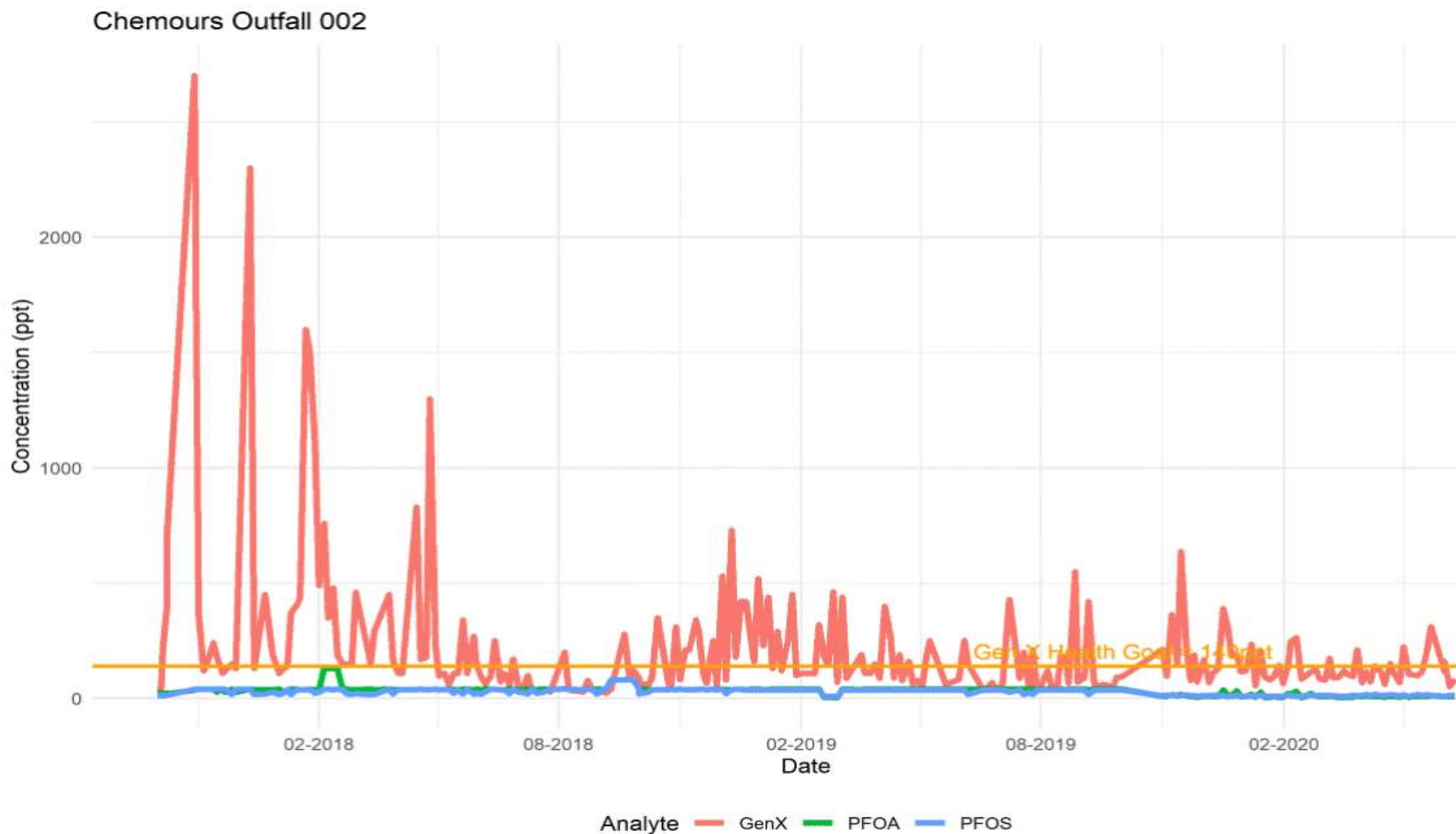
# Chemours Outfall 002 On-Site Composite Sampler



# Sampling Results from Chemours Outfall 002 October 2017 – June 2020



# Sampling Results from Chemours Outfall 002 February 2018 – June 2020



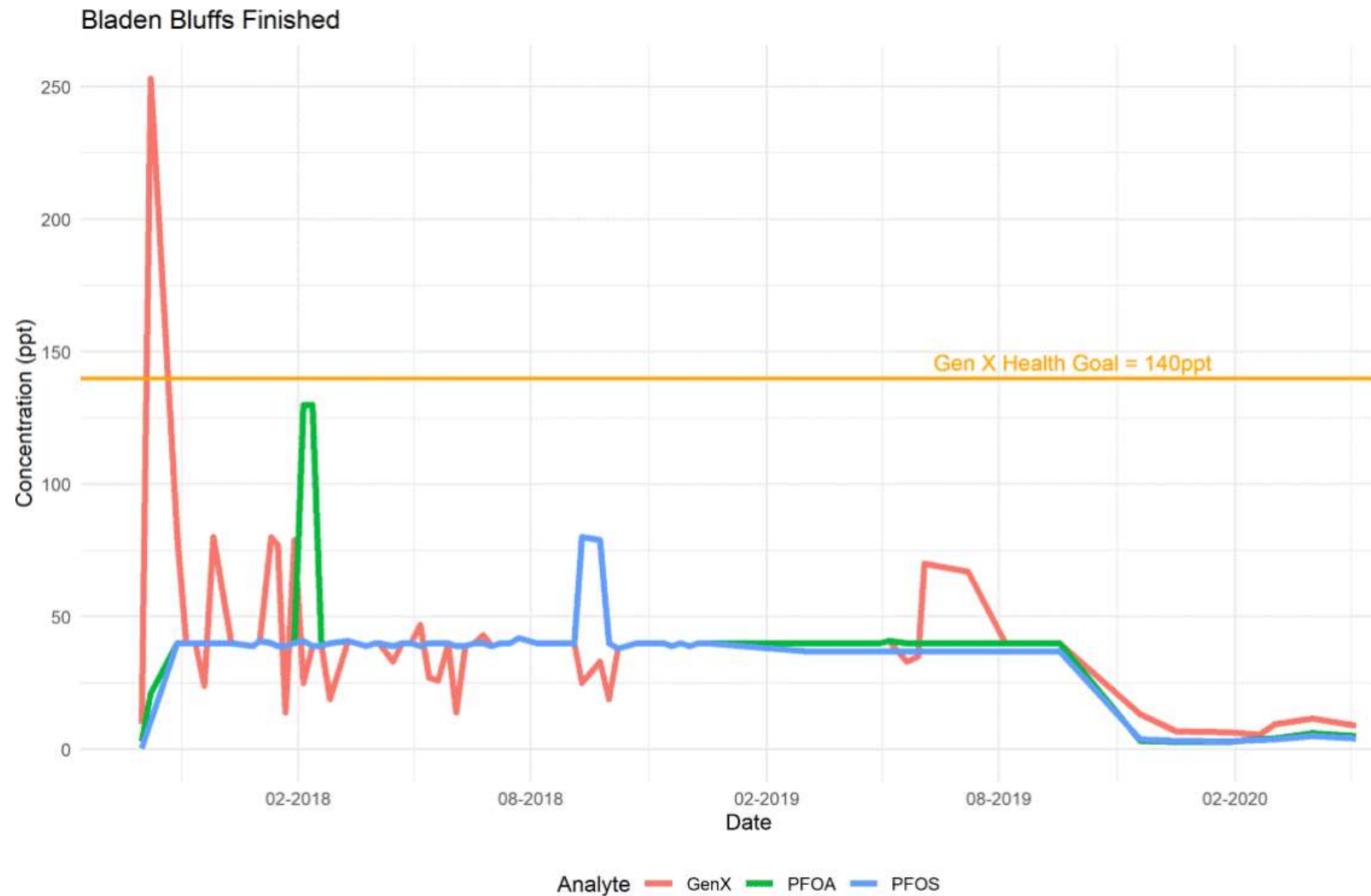


# DWR Water Quality Sampling

- Staff from the Fayetteville Regional Office have been collecting samples from the finished drinking water tap at the Bladen Bluffs WTP and International Paper WTP once a month since June 11, 2019. Prior to that date samples were collected weekly.
- Staff from the Wilmington Regional Office have been collecting samples from Pender County WTP, Cape Fear Public Utility, and Brunswick WTPs once a month.



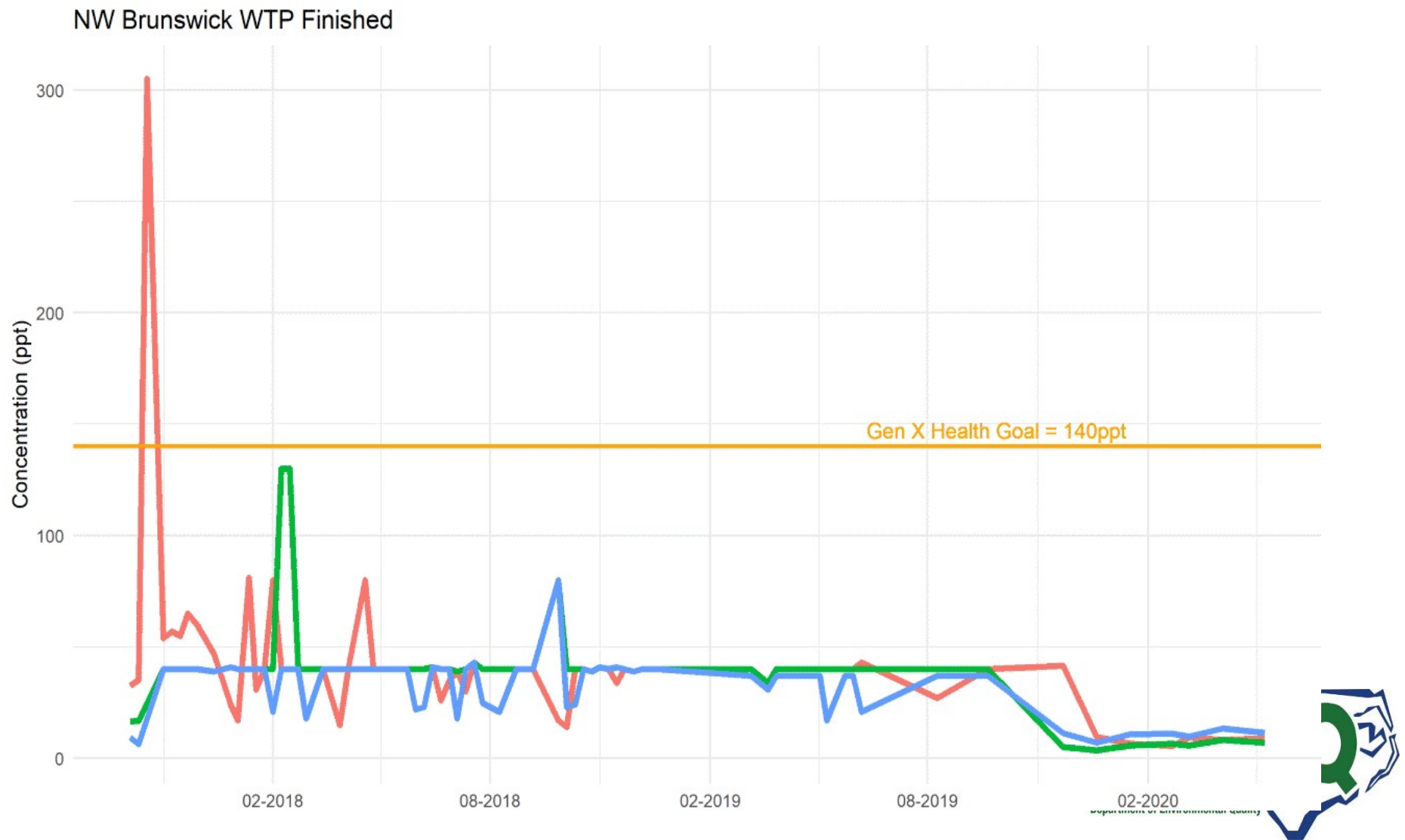
# Bladen Bluffs Finish Water



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# NW Brunswick WTP Finish Water



# Remediation: Draft Permit and Public Notice

- July 17, 2020 – DWR is seeking comments on Draft NPDES permit.
- Purpose of the permit is to intercept and remove PFAS Loading to the Cape Fear River in keeping with the Consent Order for Chemours.
- Again, since 2017 Chemours has been prohibited from discharging process wastewater.
- To be clear, this permit does not change this prohibition. This system will treat surface water and groundwater. The treatment system will remove the PFAS from the water in order to keep it from reaching the Cape Fear River.
- Comment Period ends on August 17<sup>th</sup>. Comments may be submitted via email to [publiccomments@ncdenr.gov](mailto:publiccomments@ncdenr.gov) (please include “Chemours” in the subject line), or by mail to: Wastewater Permitting, Attn: Chemours Permit, 1617 Mail Service Center, Raleigh, NC 27699-1617.



# Chemours Fayetteville Works: sedimentation/turbidity

July 22<sup>nd</sup>. Wednesday - DWR received notification concerning conditions at Chemours Fayetteville Works and sedimentation/turbidity.

- Specifically - Consultants working for Chemours had visually observed an apparent increase in the quantity of sediments (increased turbidity) at the confluence of the Old Outfall and Cape Fear River.

July 23 Thursday - DWR conducted site visit at Old Outfall 002 and Cape Fear River, and Lock & Dam 3.

July 30, Thursday – Division of Energy Mineral and Land Resources and DWR Staff conducted a site inspection at Chemours.

Site visit confirmed slight sediment, need to maintain measures/reinstall silt fences, and the need to modify the plan to address disturbed area outside approved limits.







# *North Carolina Department of Environmental Quality*

## **GenX Investigation**

- <https://deq.nc.gov/news/key-issues/genx-investigation>

## **GenX Surface Water Sampling Sites**

- <https://deq.nc.gov/news/key-issues/genx-investigation/genx-surface-water-sampling-sites>

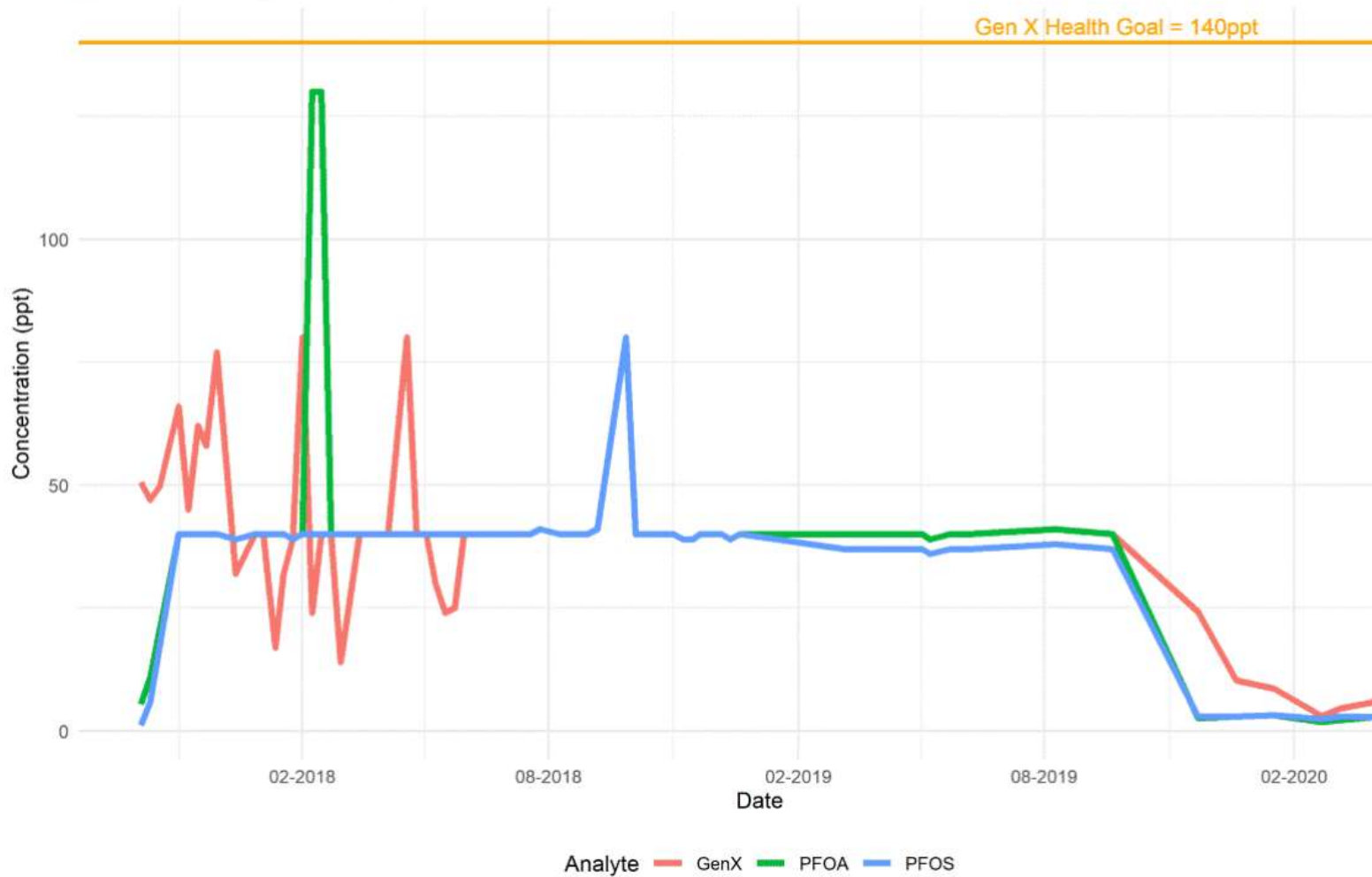








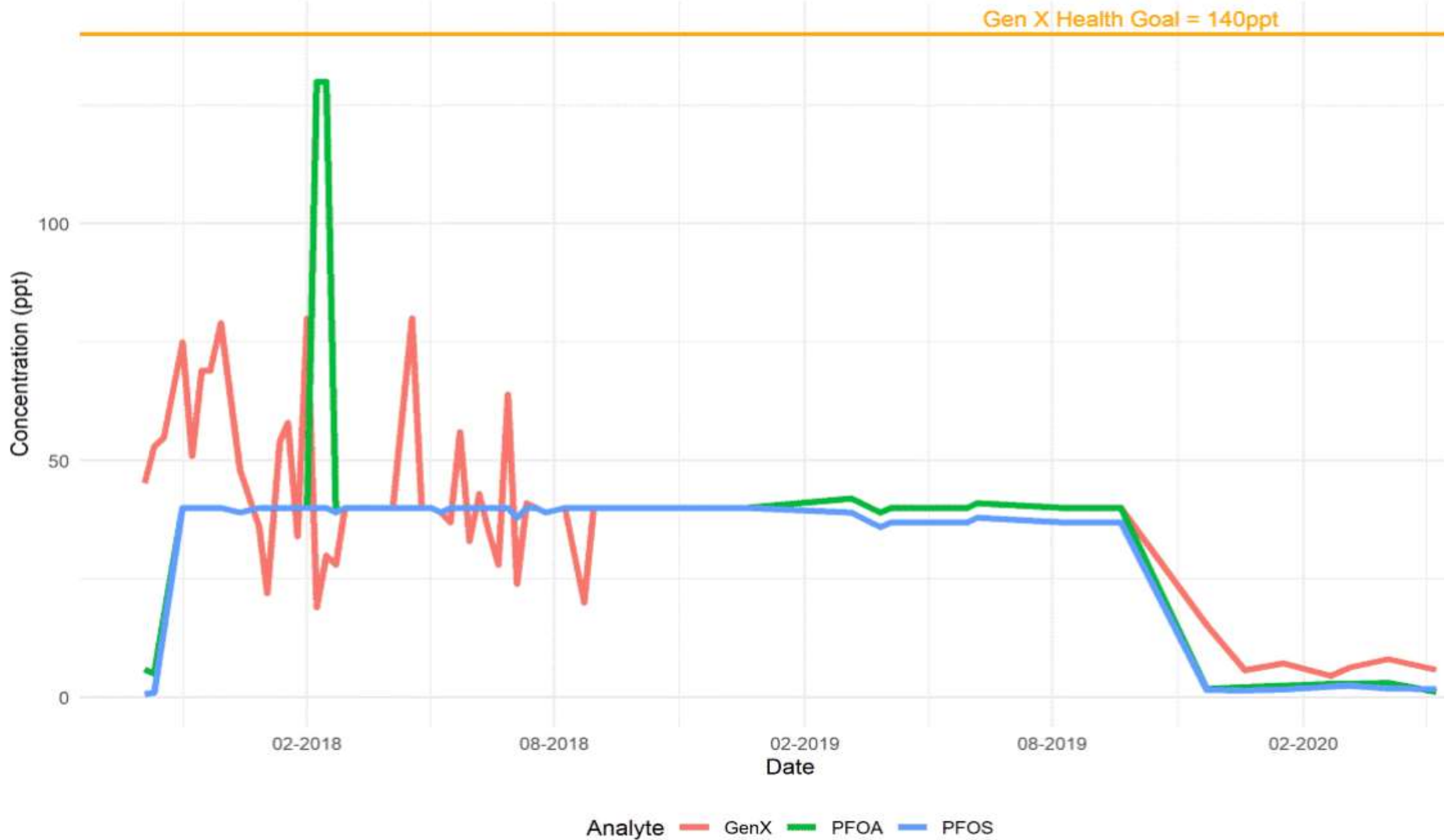
### International Paper Finished



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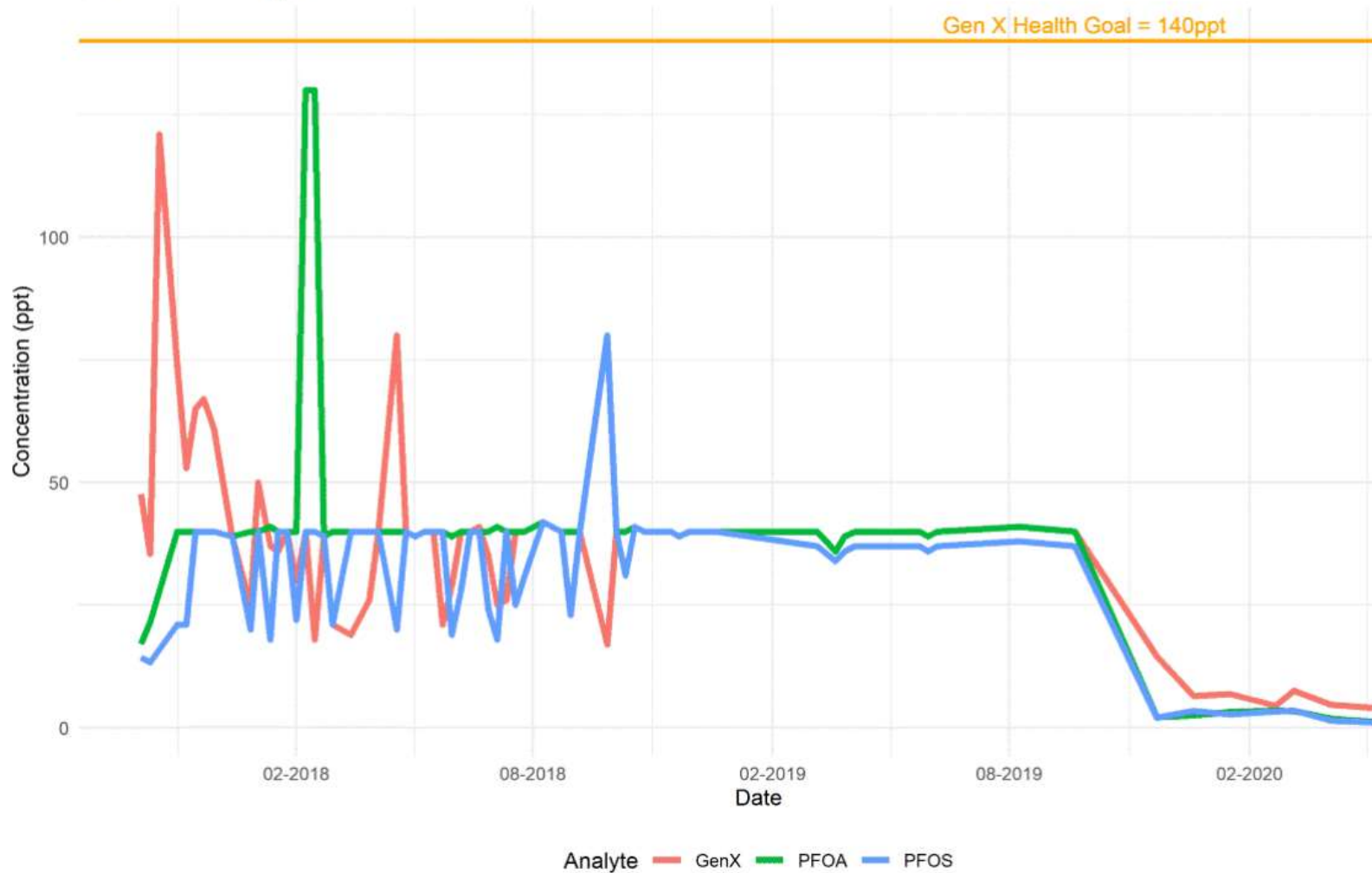


Pender Co. 421 WTP Finished





### CFPUA Sweeney Finished



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