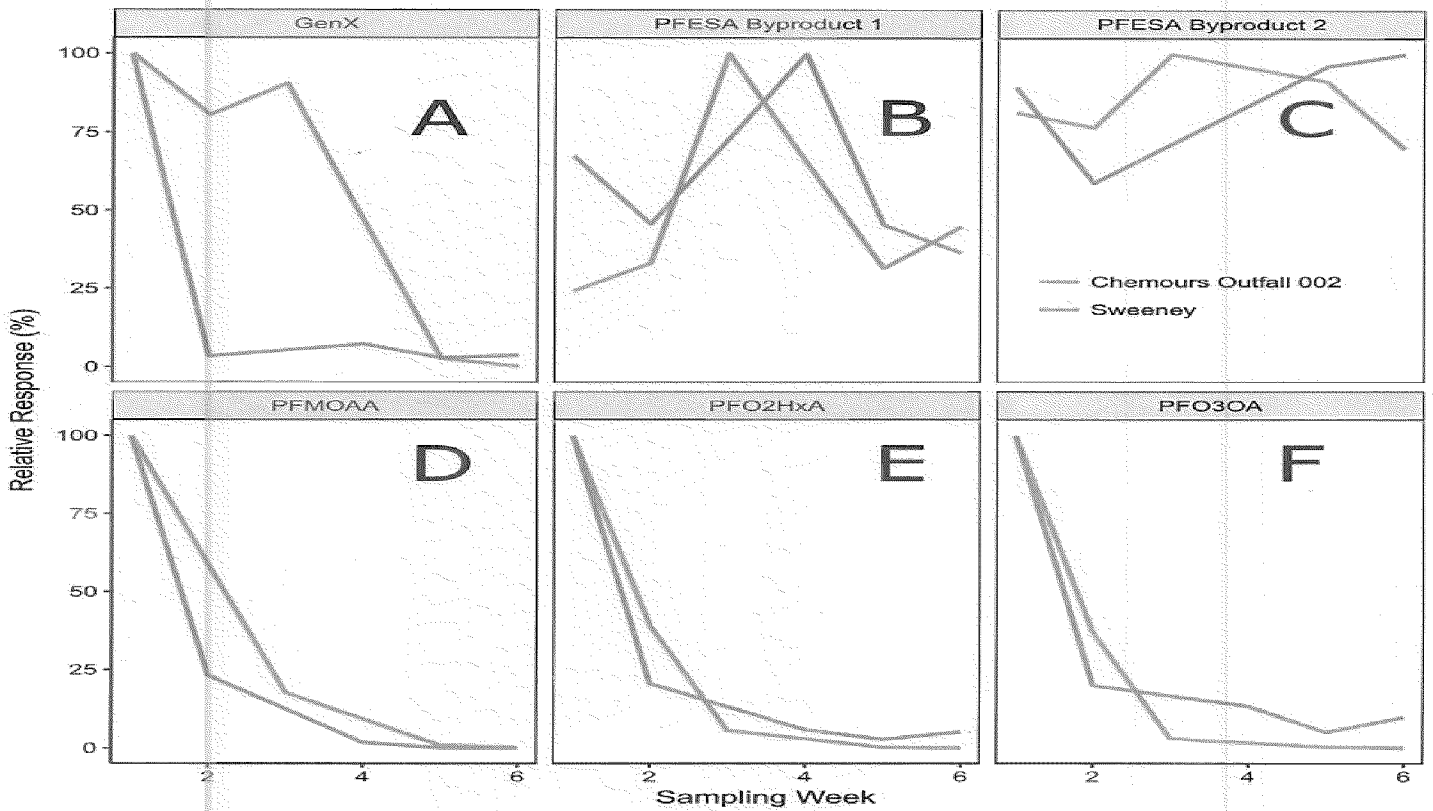
PFAS 2017 Week 6 Sampling Results (ng/L) – Gen X and Non-targeted Analysis; Cape Fear River

Week 6	GenX	PFMOAA	PFO2HxA	PFO3OA	Nafion Biproduct 1	Nafion Biproduct 2
Chemours Outflow 002	102	696*	431*	86*	15,800*	73,900*
Sweeney	70	21*	1,170*	778*	72*	4, 670*

* Estimated results

August 31, 2017

Figure 7. Relative change (compared to highest measured value) in PFAS concentration over weeks 1 – 6 for GenX and NTAs at the Chemours outfall and Sweeney Finished Drinking Water. GenX and NTAs in Panels A,D,E, & F show a consistent decreasing profile. The PFESA Byproduct concentrations are variable and do not show a clear trend.



NCDEQ -Preliminary health risk threshold in drinking water GenX and NTA PFAS

Date	GenX	PFMOAA	PFO2HxA	PFO3OA	Nafion Biproduct 1	Nafion Biproduct 2
Before June - 2017	None	None	None	None	None	None
June 13	71,000 ppt	None	None	None	None	None
July 14	140 ppt	None	None	None	None	None
Future	???	???	???	???	???	???

ED_002096A_00000053-00003

Know / Don't Know

- **Goal 1: Addressing public concerns and informing risk mitigation activities by filling data gaps related to human health toxicity**
  - **Hazard information for GenX**
  - **No information for the NT PFAS**
  - **Include NT PFAS on EPA PFAS Priority list**
  - **Follow-up testing and/or read across**

- **Goal 2: Establishing validated methods for measuring the amount of PFAS in different environmental media and for biomonitoring.**
  - **ORD methods quantify Gen X not NT PFAS**
  - **Lack standards for NT PFAS**
  - **Lack EPA validated methods**
  - **Transfer lab methods to regional and contract labs**

- **Goal 3: Reducing PFAS exposures by limiting production of potentially hazardous PFAS and by assisting states and federal partners in the remediation of environmental media.**
  - **OCSPP/OW/OECA – How much depends on filling Gaps under Goal 1?**
  - **Additional monitoring Cape Fear River and other high risk sites**

- **Goal 4: Improving risk communication efforts to ensure the accurate and timely communication of information to the public, and other partners (e.g. local governments, tribes, industry).**

ED_002096A_00000053-00004

Next Steps

- **Programs and Regions identify and track research, technical assistance, enforcement, and compliance actions.**
- **Monitor situation and interface with the impacted community.**
- **Working group representing OSA/OW/OECA/OCSPP/Regions consider if a cross-agency strategy/priorities for Gen X and NT PFAS are needed.**

ED_002096A_00000053-00005