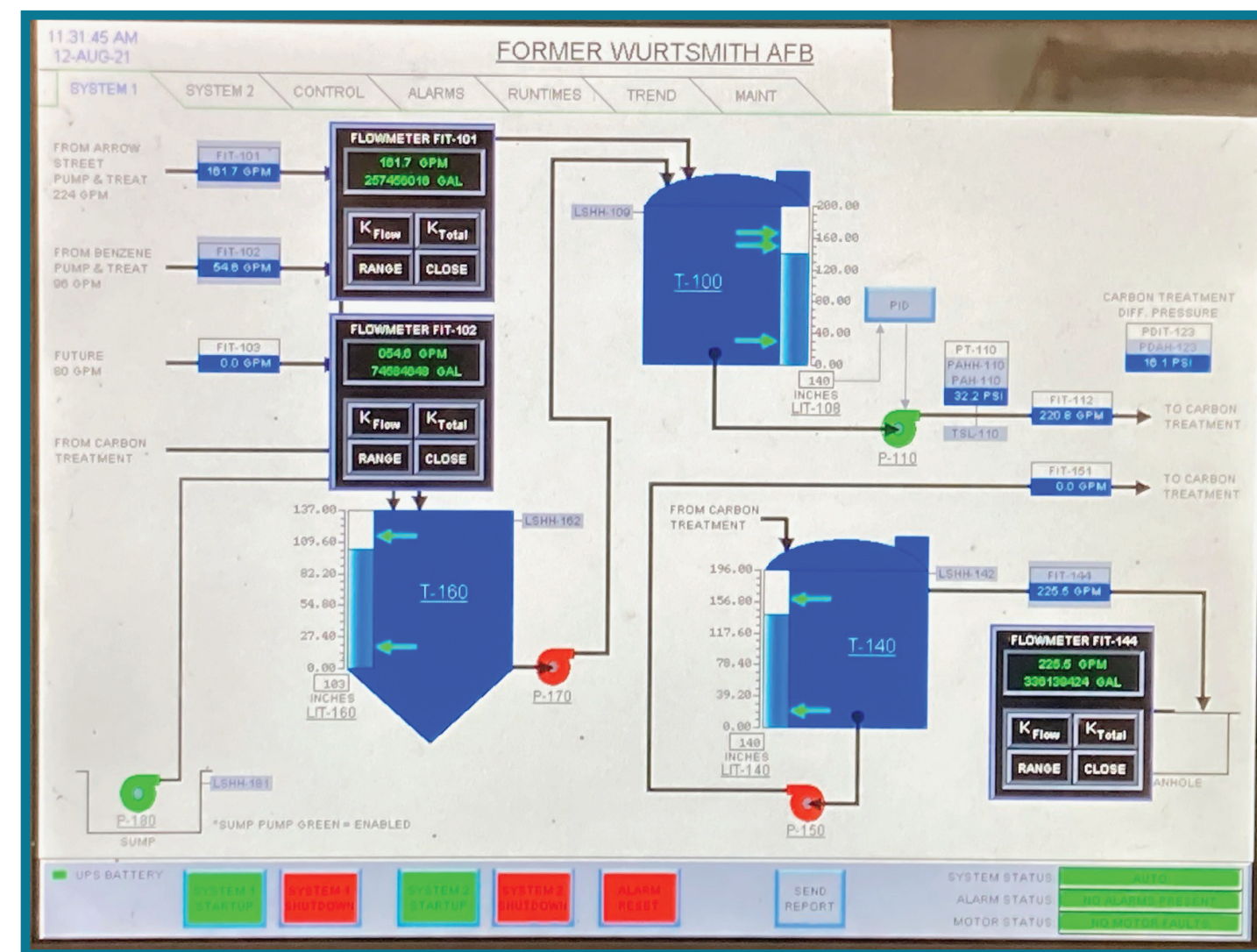


# EXISTING CENTRAL TREATMENT SYSTEM

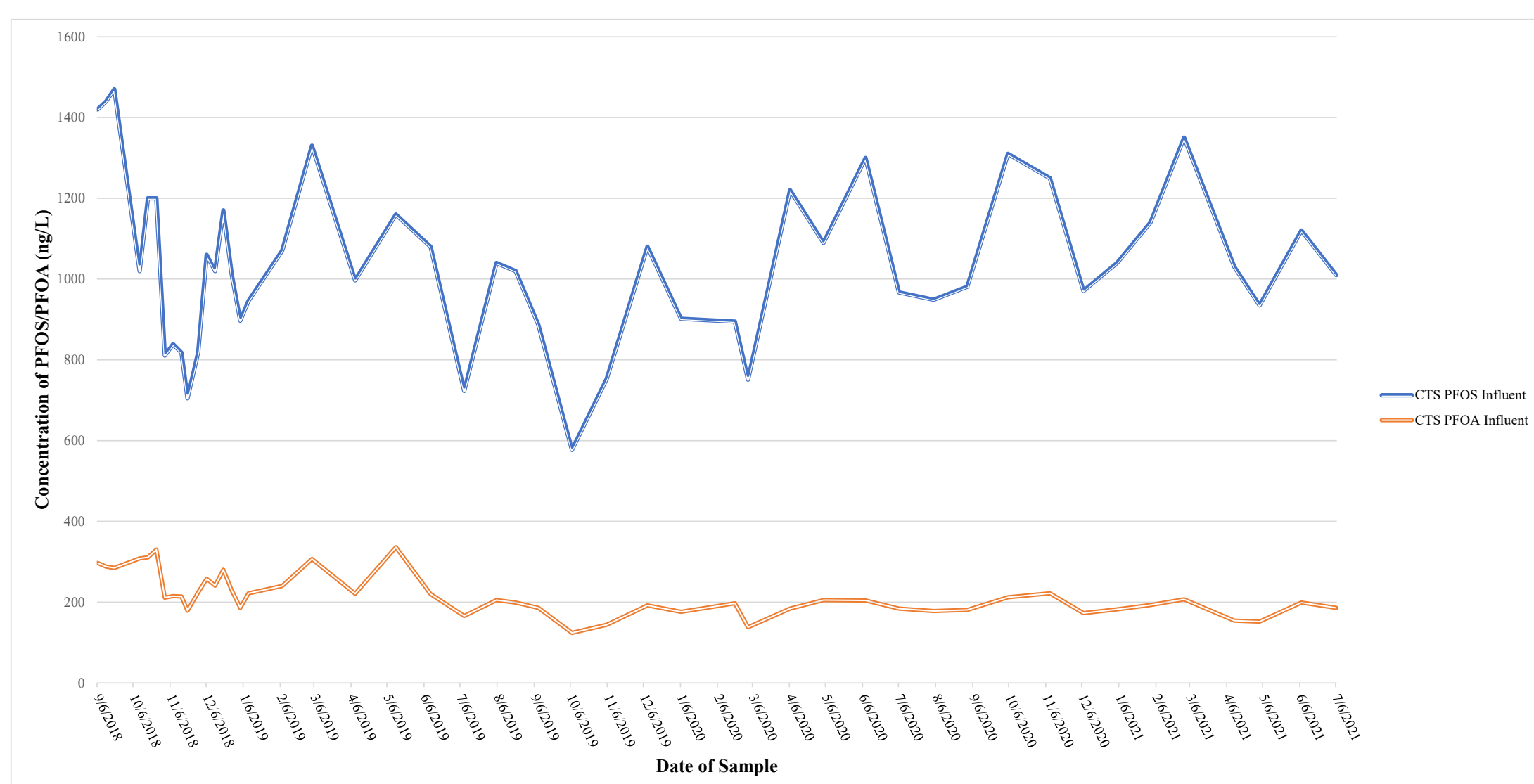
## Central Treatment System (CTS)

- Since the CTS became operational on August 31, 2018, over 338 million gallons of extracted groundwater has been treated to below SRD maximum discharge limits established by EGLE (equivalent to over 500 Olympic sized swimming pools!)
- Consists of three, 20,000-pound GAC vessels, an equalization tank, a backwash/settling tank, and an effluent tank
- Currently treats groundwater pumped from the Arrow Street Pump and Treat System (APTS) and Benzene Pump and Treat System (BPTS) well fields at approximately 200-250 gpm, but has a design capacity of up to 500 gpm
- CTS building was constructed to allow for expansion which would increase the total treatment capacity to 1,000 gpm
- Treated groundwater discharges to the storm sewer and ultimately discharges to Outfall 001/007 along Van Etten Creek



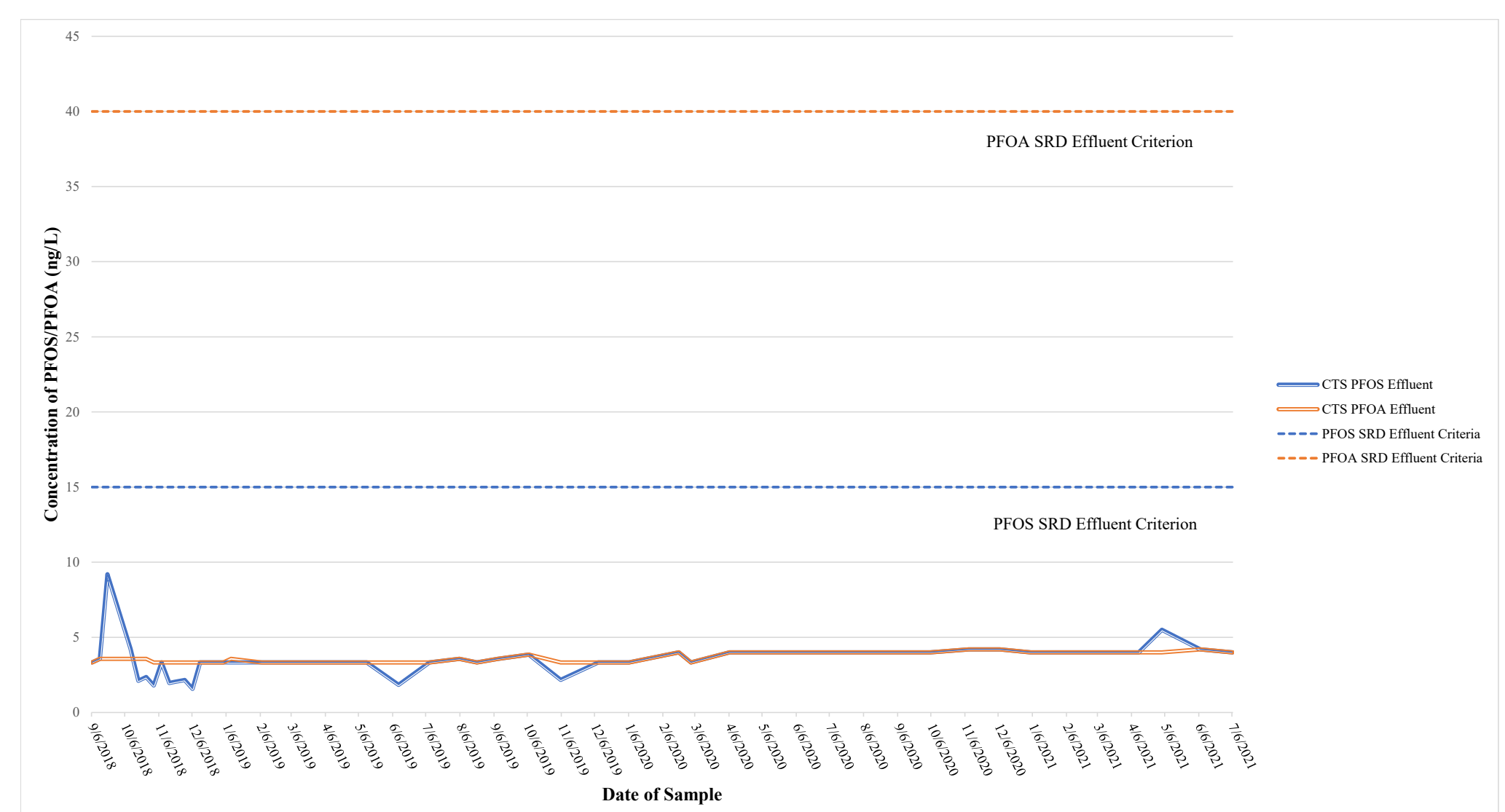
## Existing CTS PFOS and PFOA

### Influent Concentrations



Concentration of PFOS and PFOA entering the CTS from the APTS and BPTS well fields. The PFOS influent concentrations range from 577 ng/L to 1470 ng/L. The PFOA influent concentrations range from 124 ng/L to 336 ng/L.

### Effluent Concentrations



The PFOS and PFOA concentrations have been primarily non-detect since startup.



The Granular Activated Carbon Treatment system at CTS is efficient at removing PFOS and PFOA from the groundwater to below the SRD maximum discharge limits established by EGLE. This treatment system has NEVER exceeded SRD maximum discharge limits established by EGLE for PFOS and PFOA.

