



ANNE ARUNDEL
COUNTY
MARYLAND

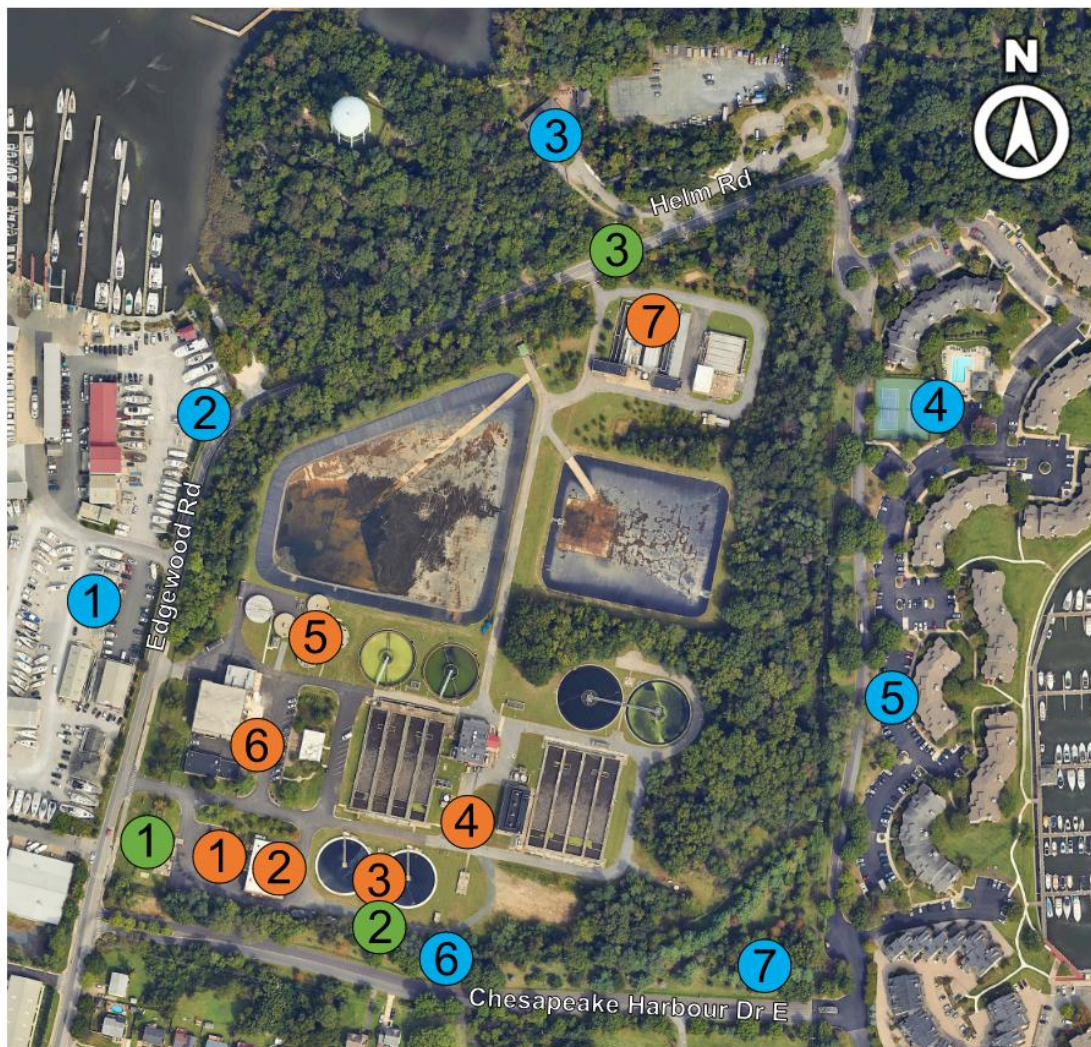
Monthly Hydrogen Sulfide Monitoring Results

Annapolis Water Reclamation Facility

August 2025



Map of Portable Monitor Locations



Locations within WRF (PPM)

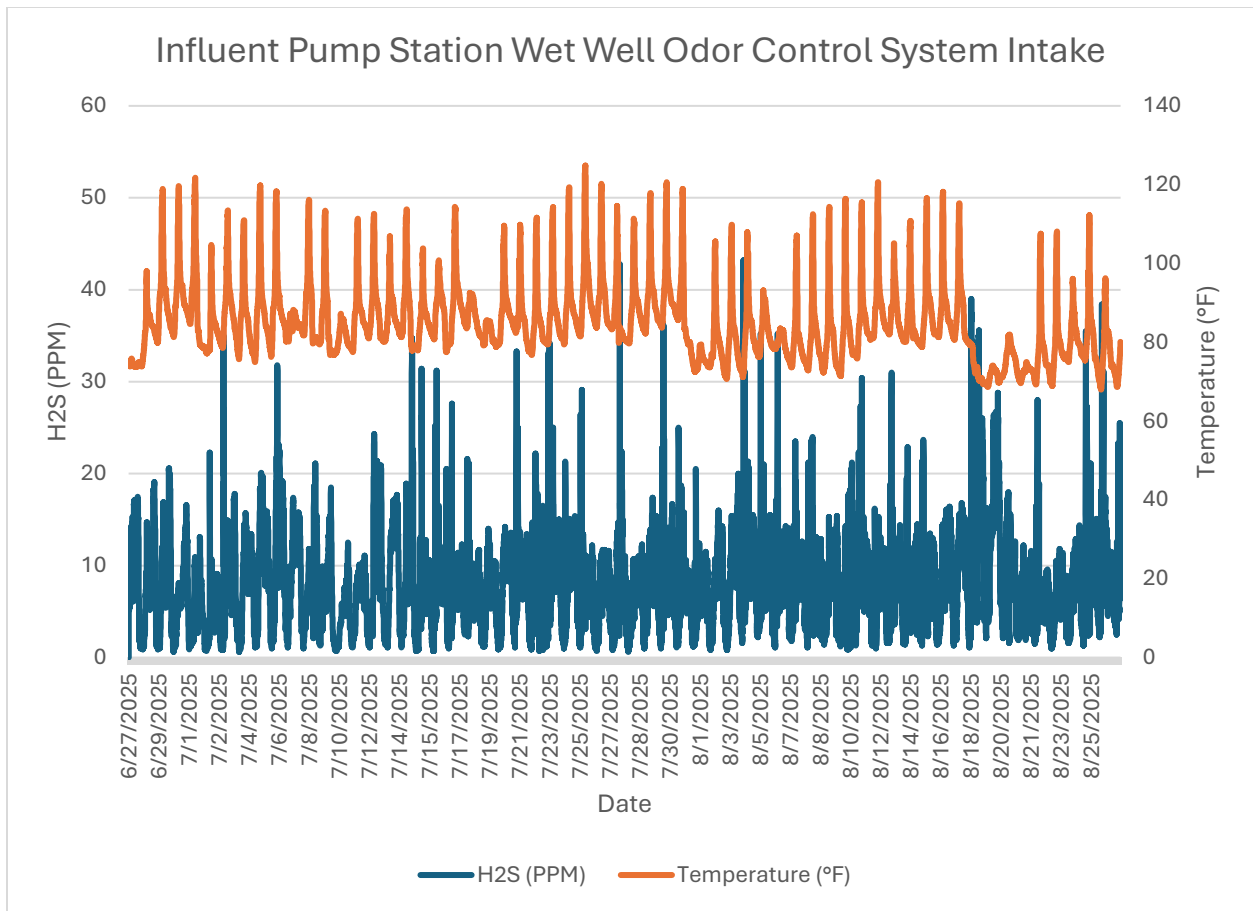
- 1a Influent Pump Station Wet Well Odor Control System Intake
- 1b Influent Pump Station Wet Well Odor Control System Exhaust
- 2a Headworks - Within Building Space
- 2b Headworks - Odor Control System Exhaust
- 3 Primary Clarifier Launder
- 4 Odor Control Airflow to Blowers/Treatment
- 5 Gravity Sludge Thickeners
- 6 Solids Facility Odor Control Exhaust
- 7 Denite Filters Mudwell

Fenceline Locations (PPB)

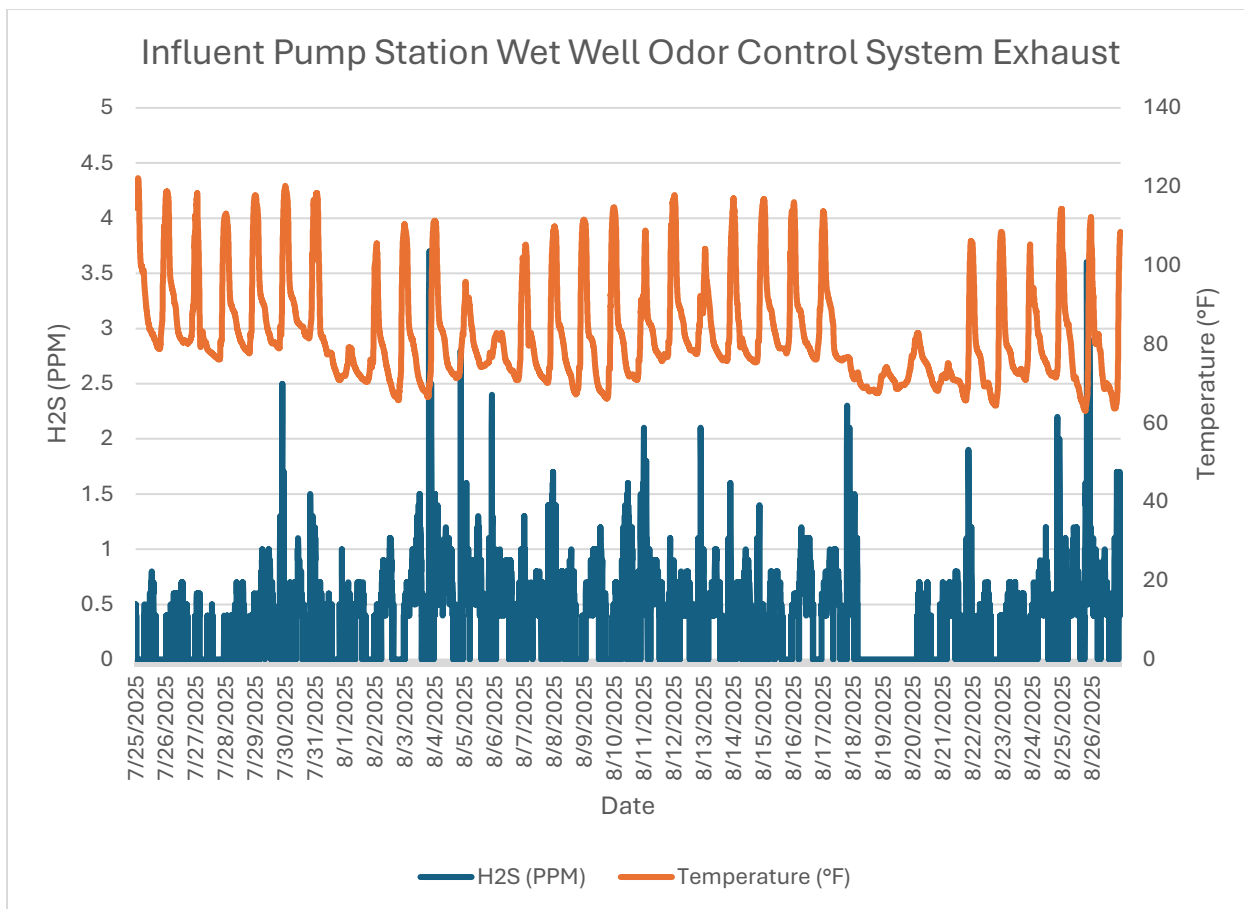
- 1 Septic Hauler Discharge Area Fenceline
- 2 Primary Clarifier Area Fenceline
- 3 Denite Filter Mudwell Area Fenceline

Neighborhood Locations (PPB)

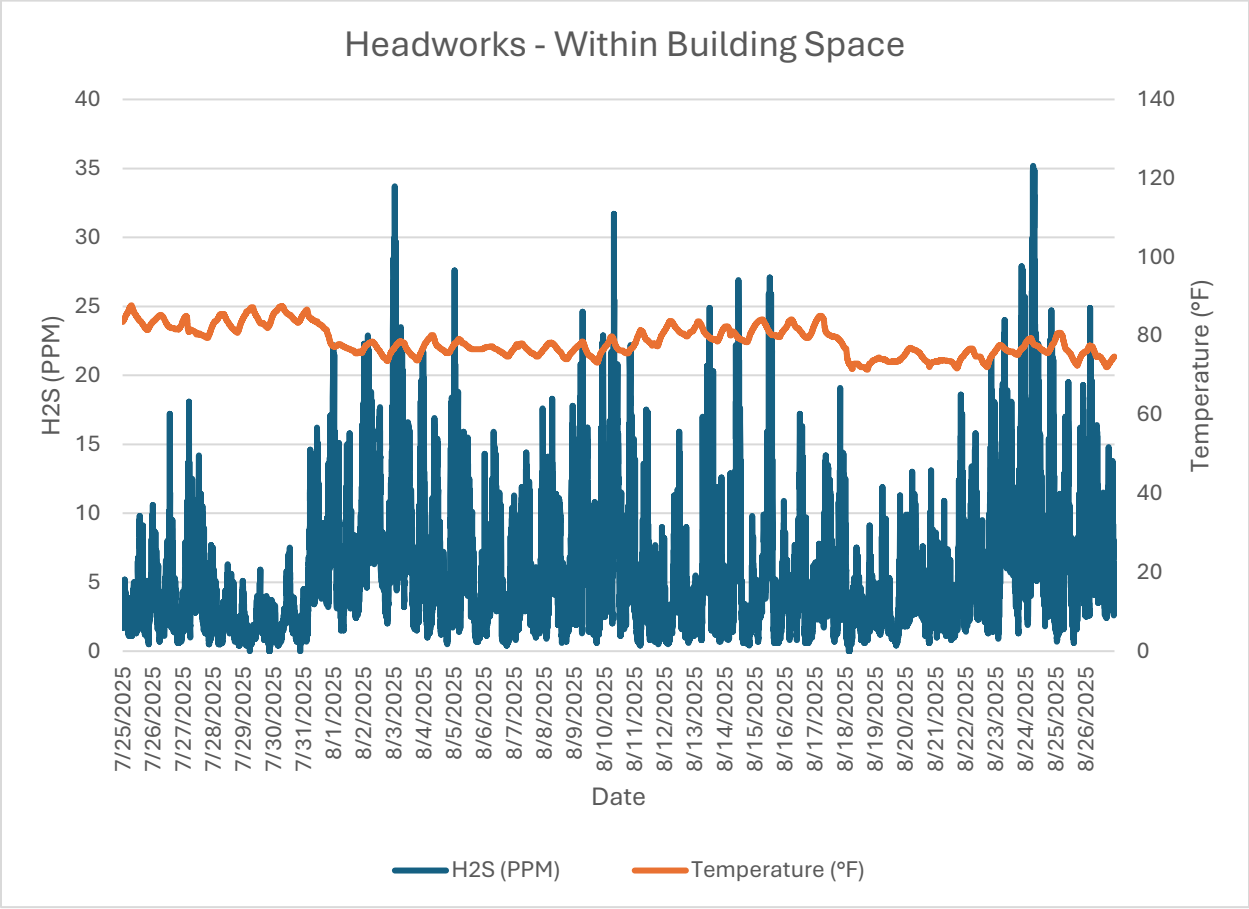
- 1 Marina - Store Front
- 2 Marina - Fenceline
- 3 Maritime Museum
- 4 Chesapeake Harbour - Tennis Courts
- 5 Chesapeake Harbour Along Roadway - East
- 6 Chesapeake Harbour Drive E - West
- 7 Chesapeake Harbour Drive E - East (Guard Shack)



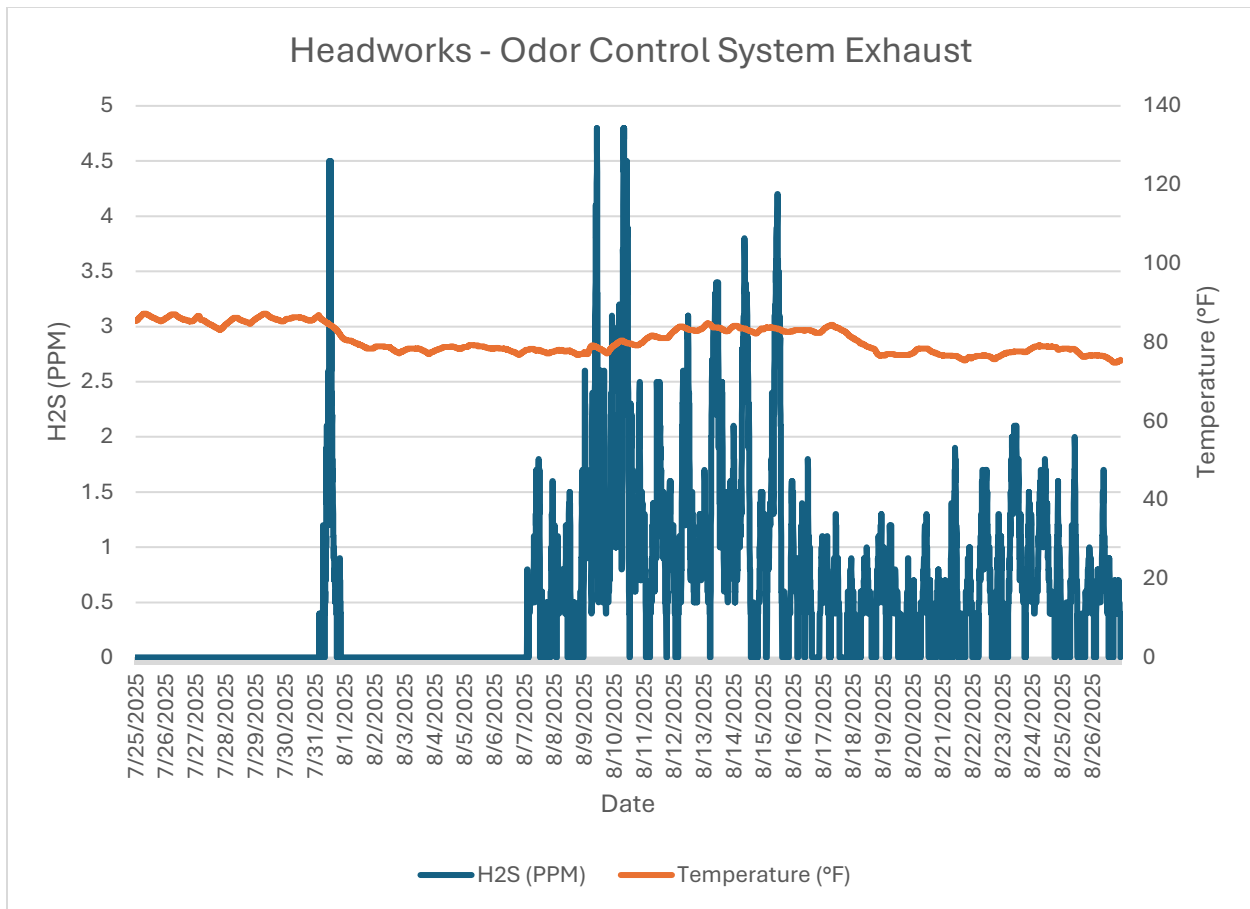
*Monitor 1a Within WRF: Influent Pump Station Wet Well Odor Control System Intake
H2S PPM July and August, 2025*



*Monitor 1b Within WRF: Influent Pump Station Wet Well Odor Control System Exhaust
H2S PPM August, 2025*

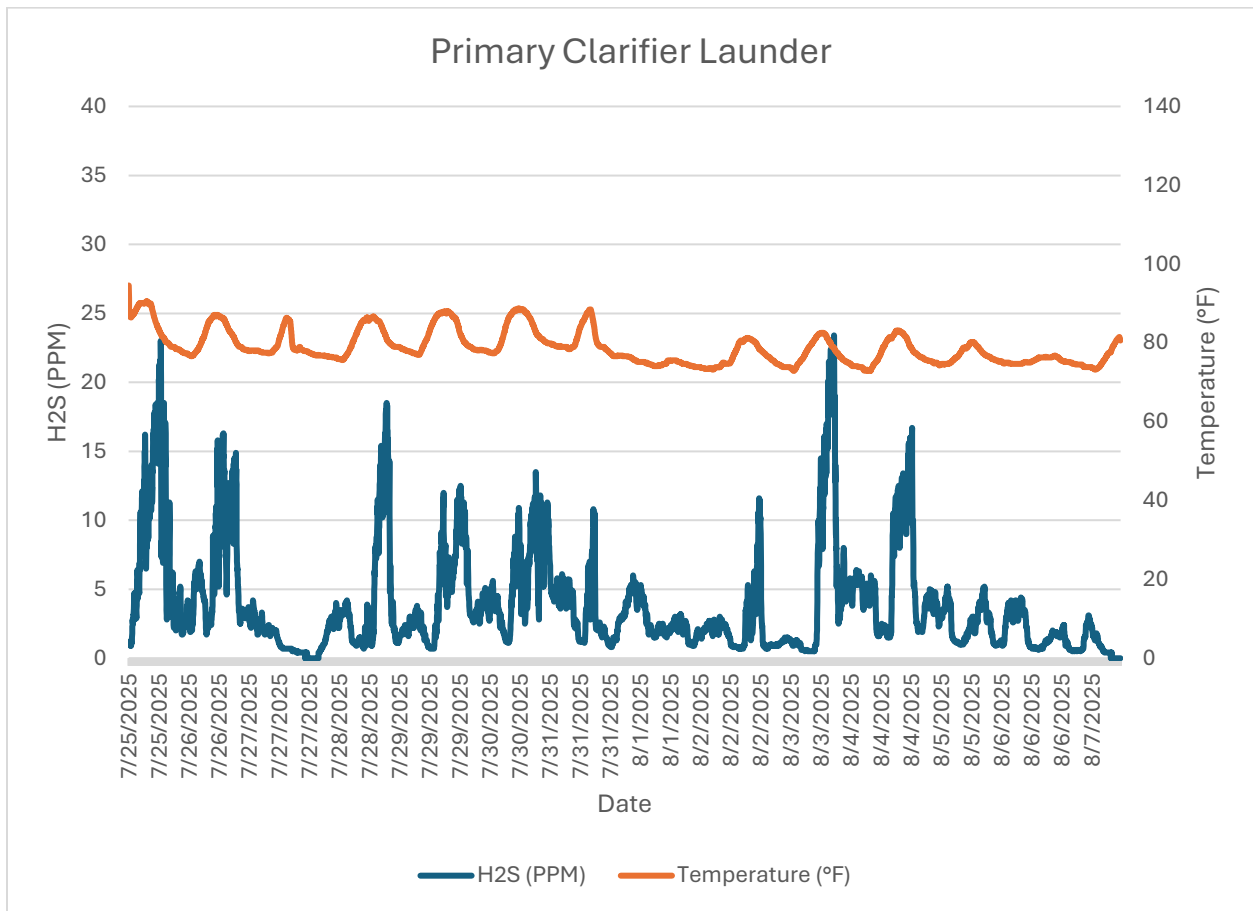


Monitor 2a Within WRF: Headworks – Within Building Space H2S PPM August, 2025

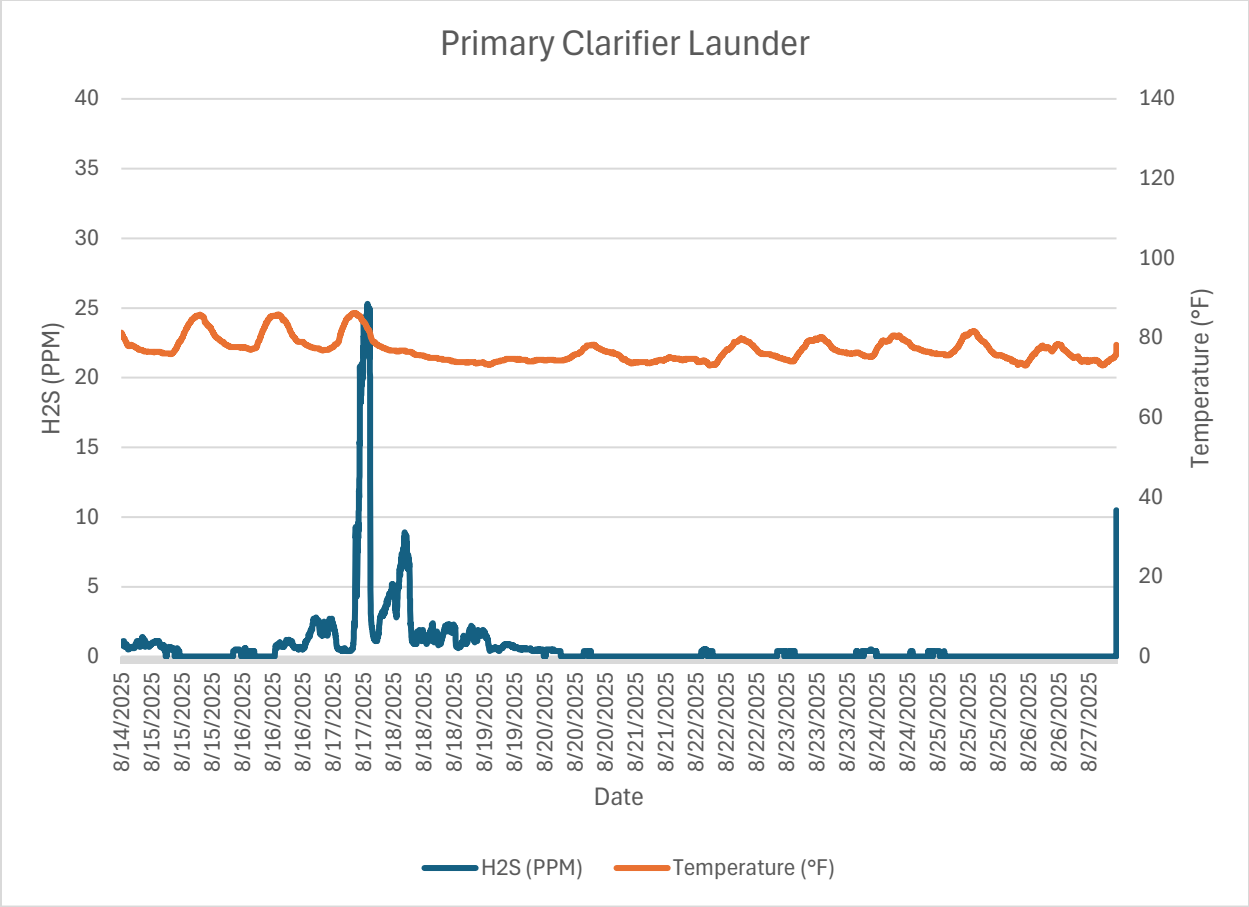


Monitor 2b Within WRF: Headworks Odor Control System Exhaust H2S PPM August, 2025

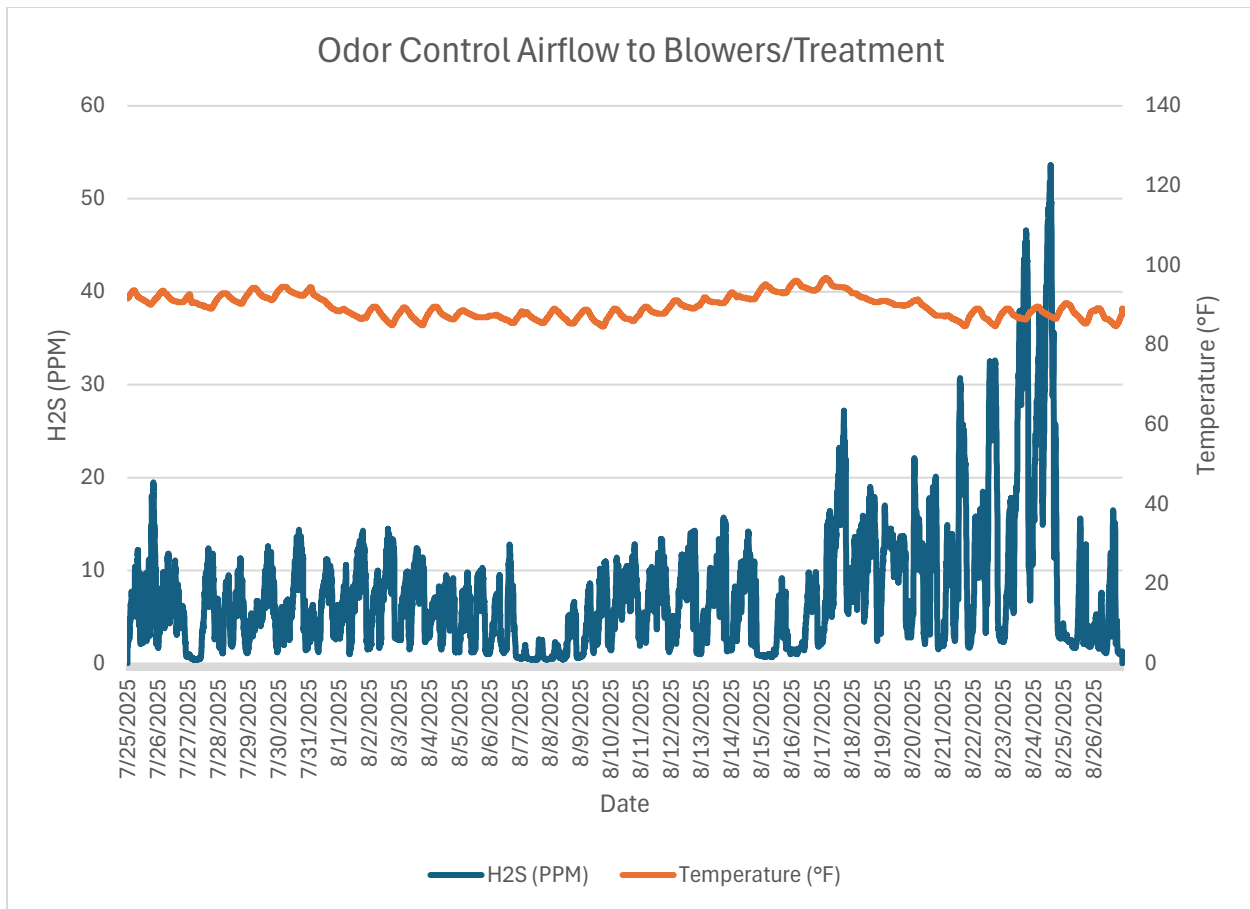
Airflow to monitor was blocked and corrected on 8/7/25



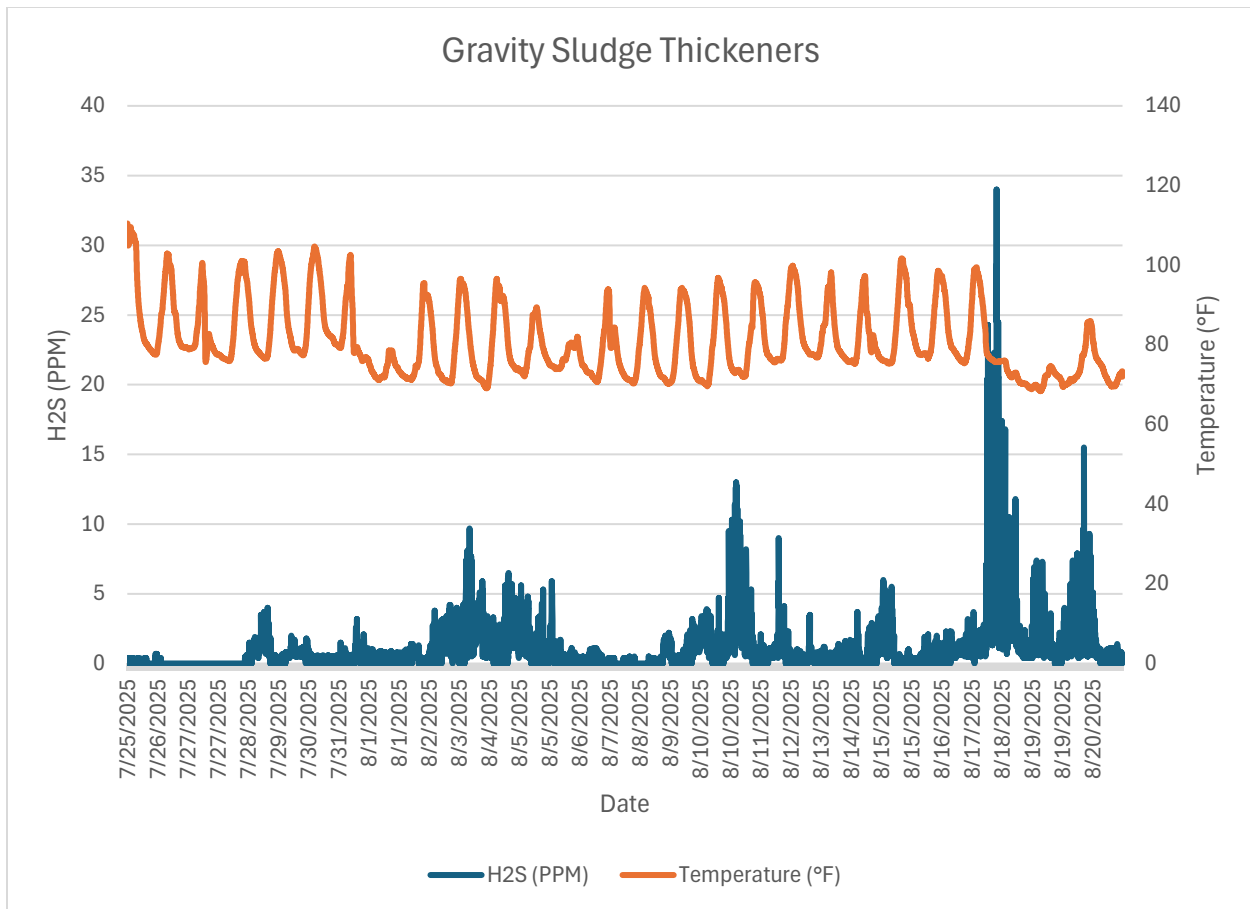
Monitor 3 Within WRF: Primary Clarifier Launder H2S PPM August, 2025
Monitor did not log from 8/7 to 8/14 see next page for rest of August data collected.



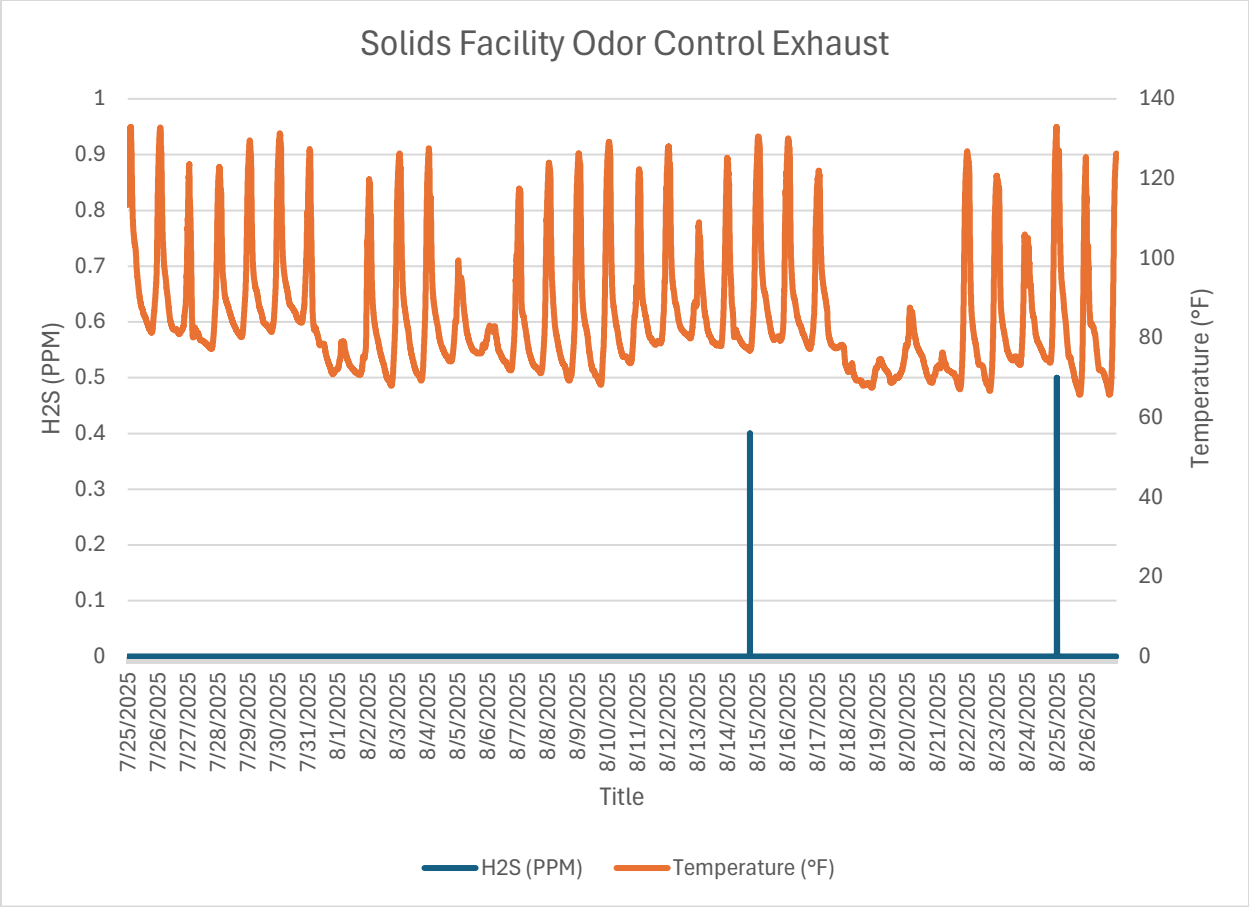
Monitor 3 Within WRF: Primary Clarifier Launder H2S PPM August, 2025



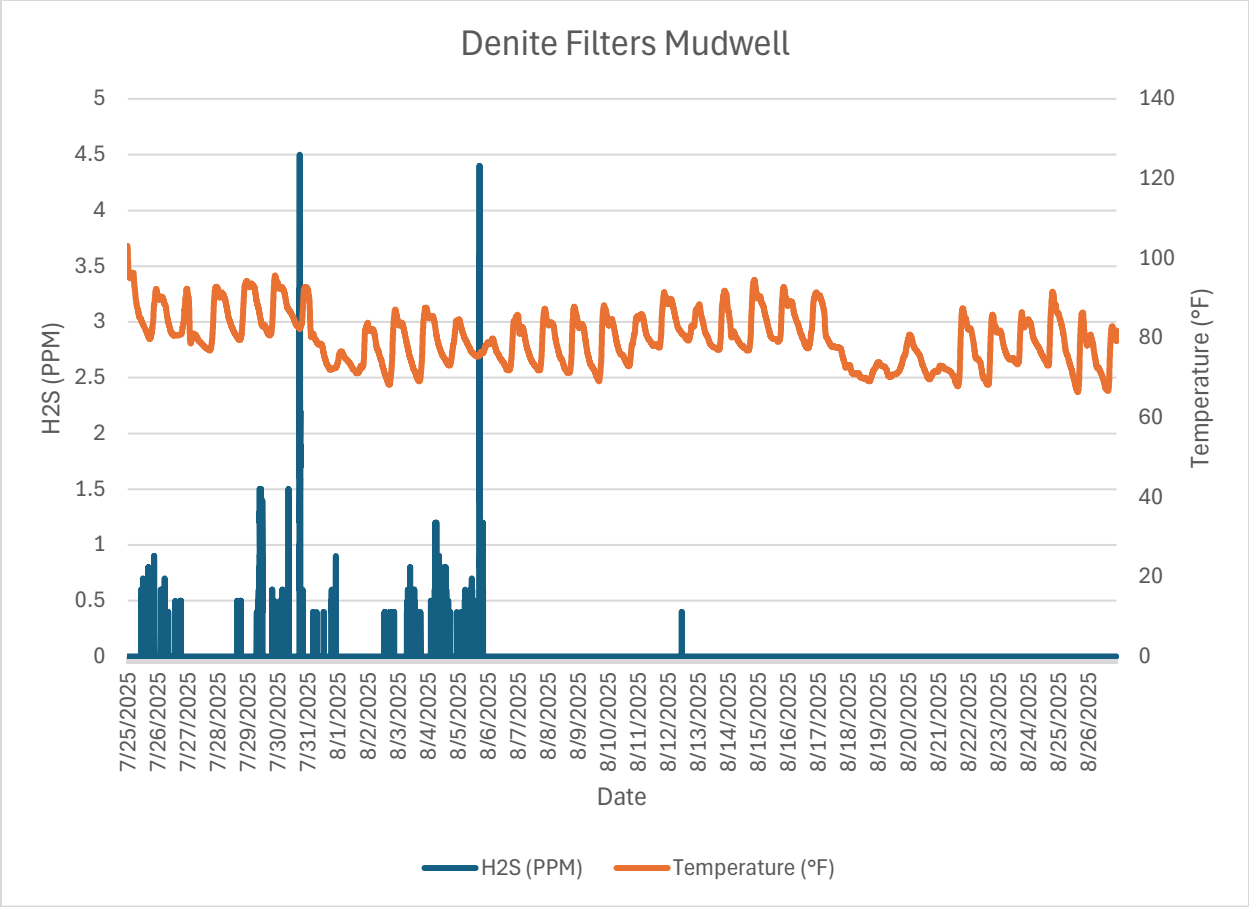
Monitor 4 Within WRF: Odor Control Airflow to Blowers/Treatment H2S PPM August, 2025



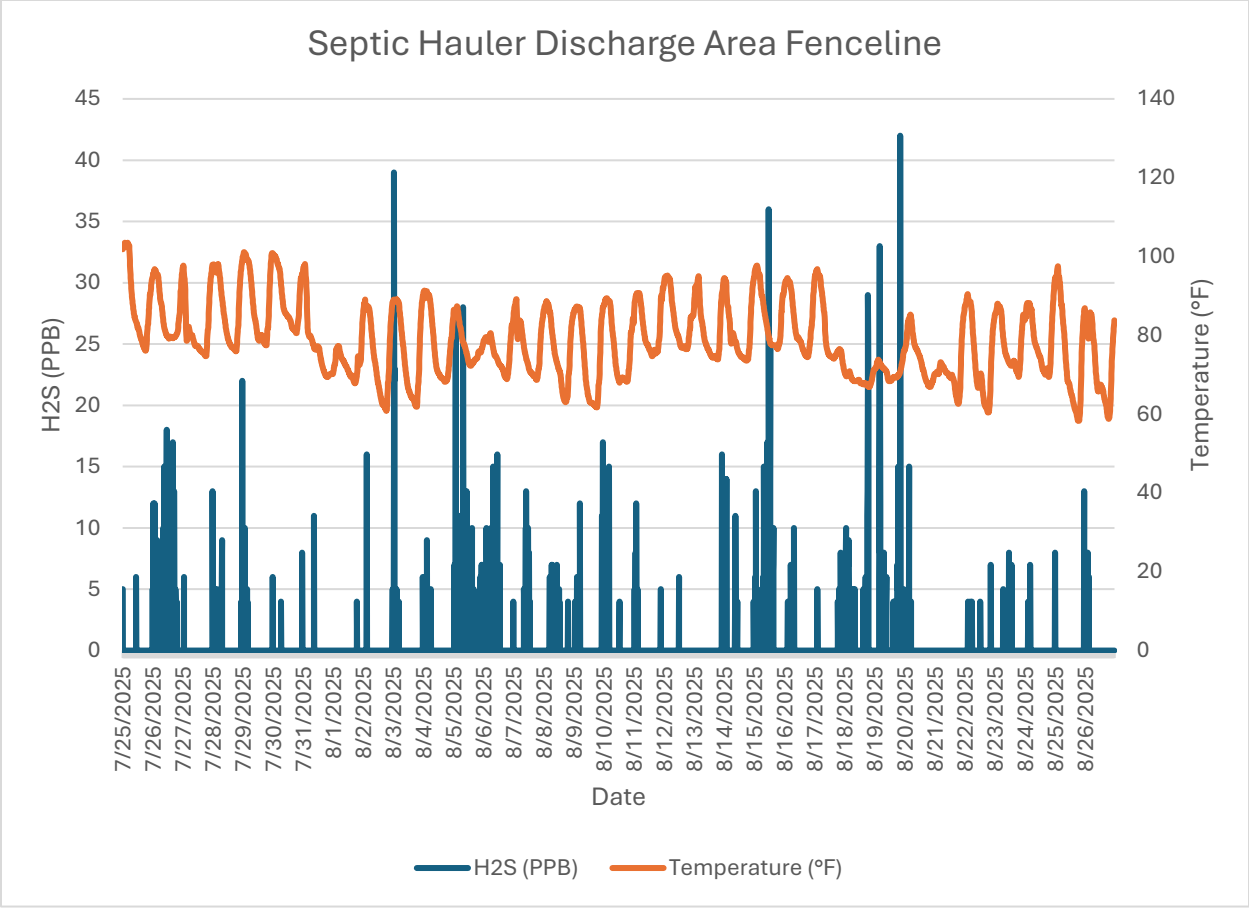
Monitor 5 Within WRF: Gravity Sludge Thickener H2S PPM August, 2025
Monitor got turned off on 8/21



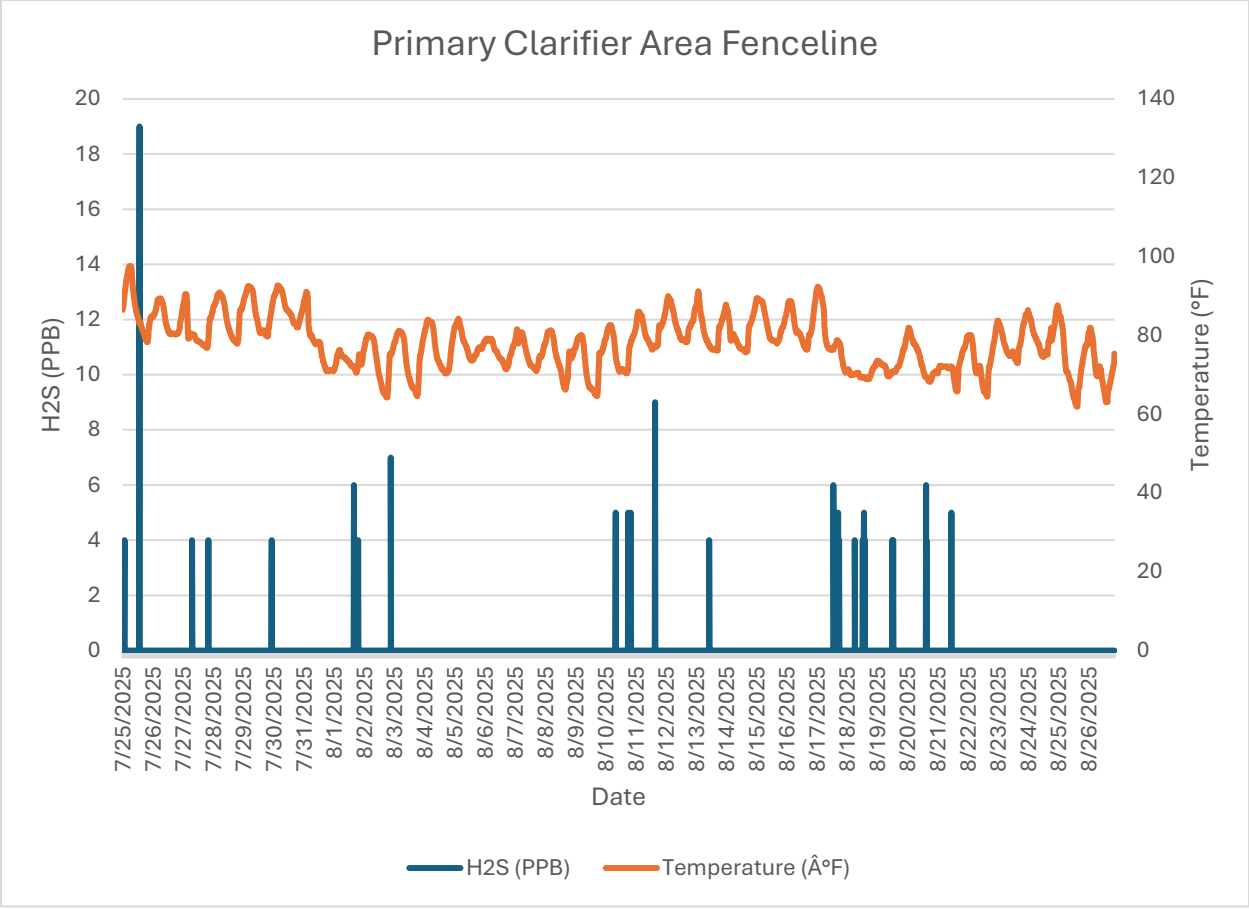
Monitor 6 Within WRF: Solids Facility Odor Control System Exhaust H2S PPM August, 2025



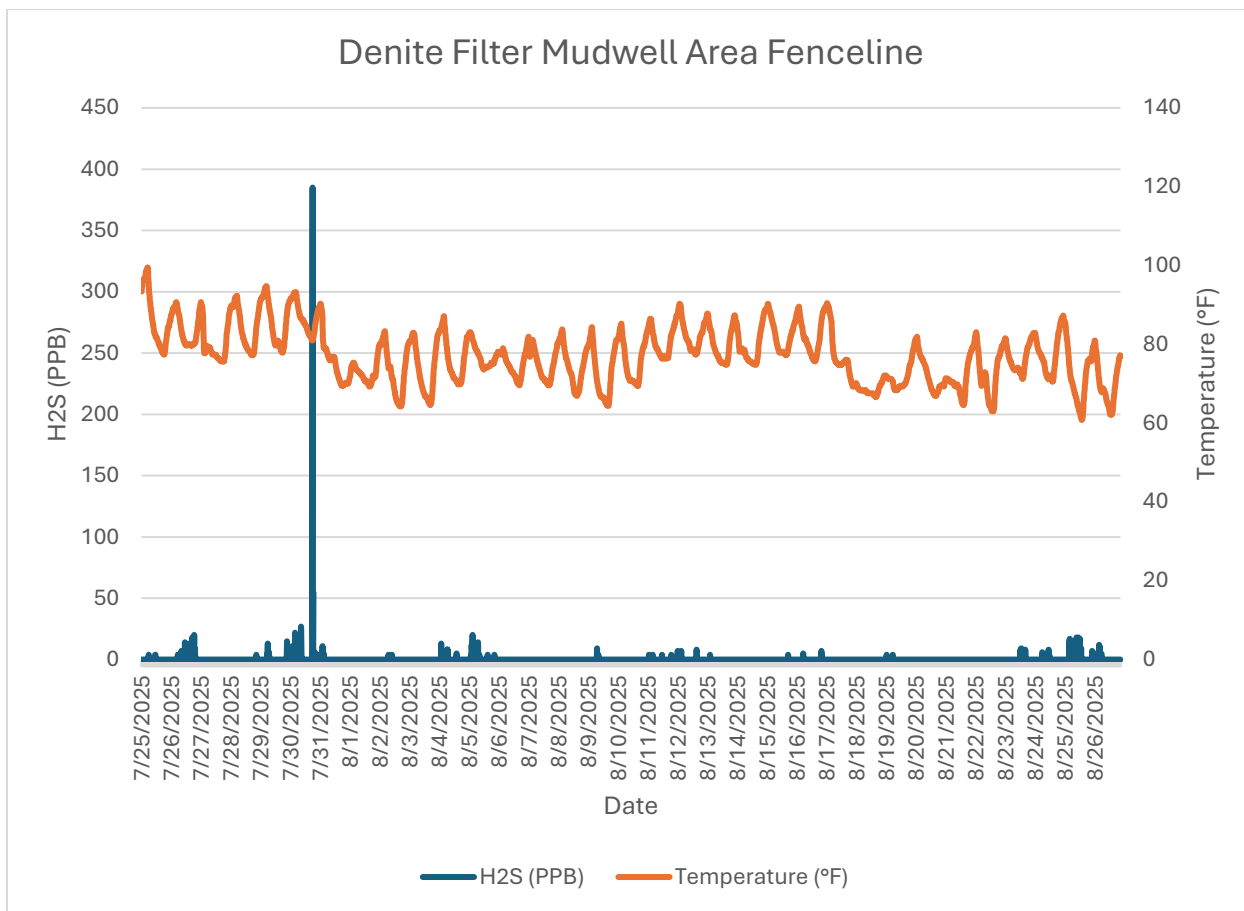
Monitor 7 Within WRF: Denite Filters Mudwell H2S PPM August, 2025



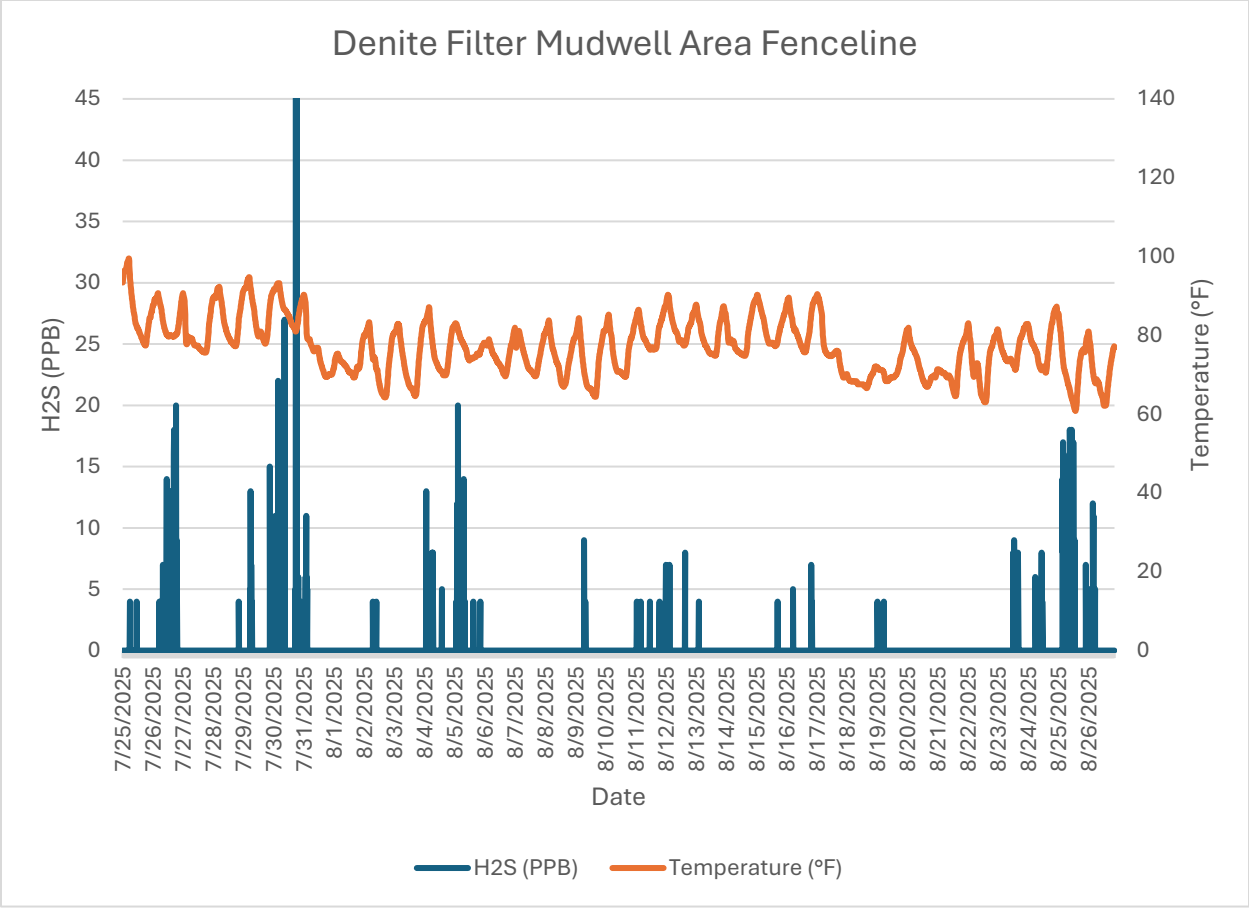
Monitor 1 Fenceline: Septic Discharge Area Fenceline H2S PPB August, 2025



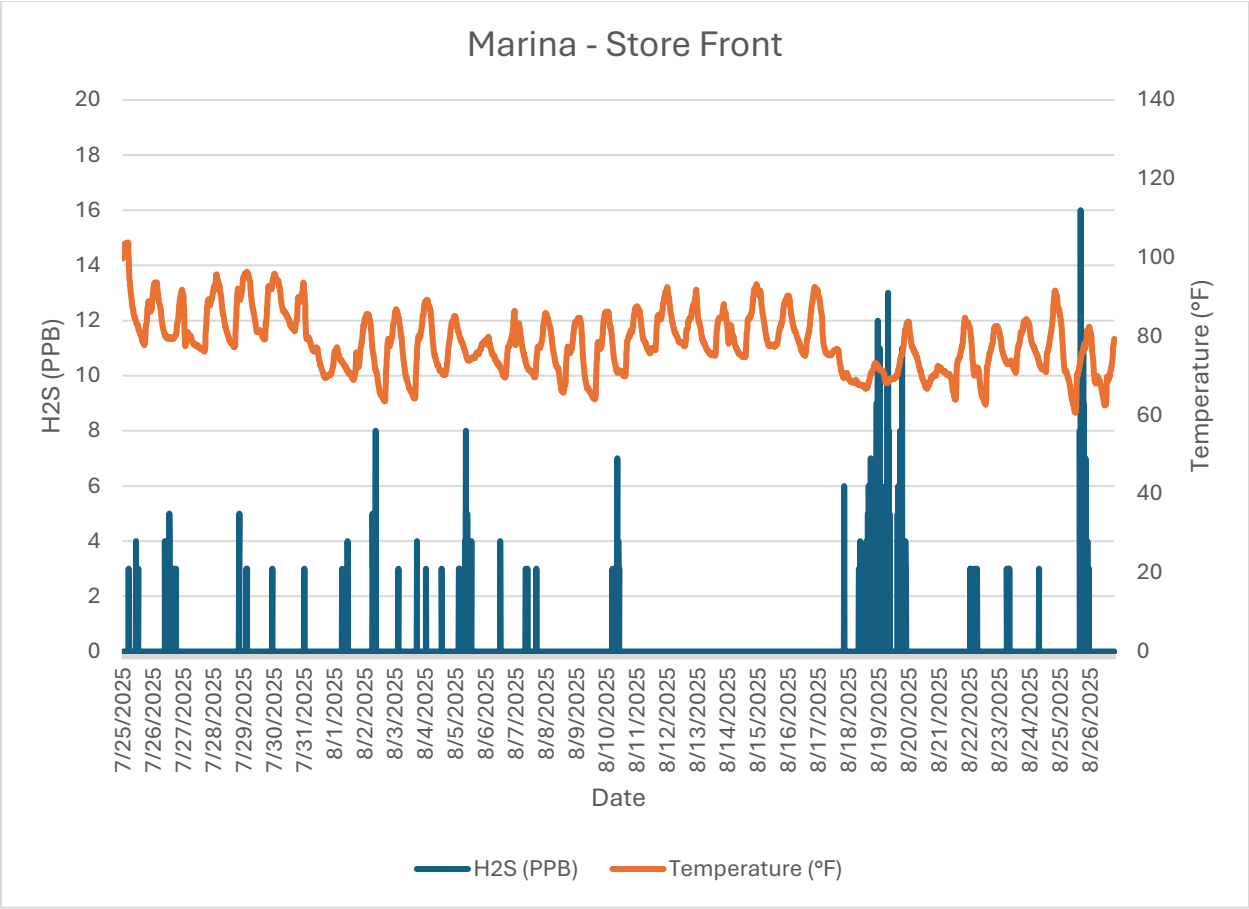
Monitor 2 Fenceline: Primary Clarifier Area Fenceline H2S PPB August, 2025



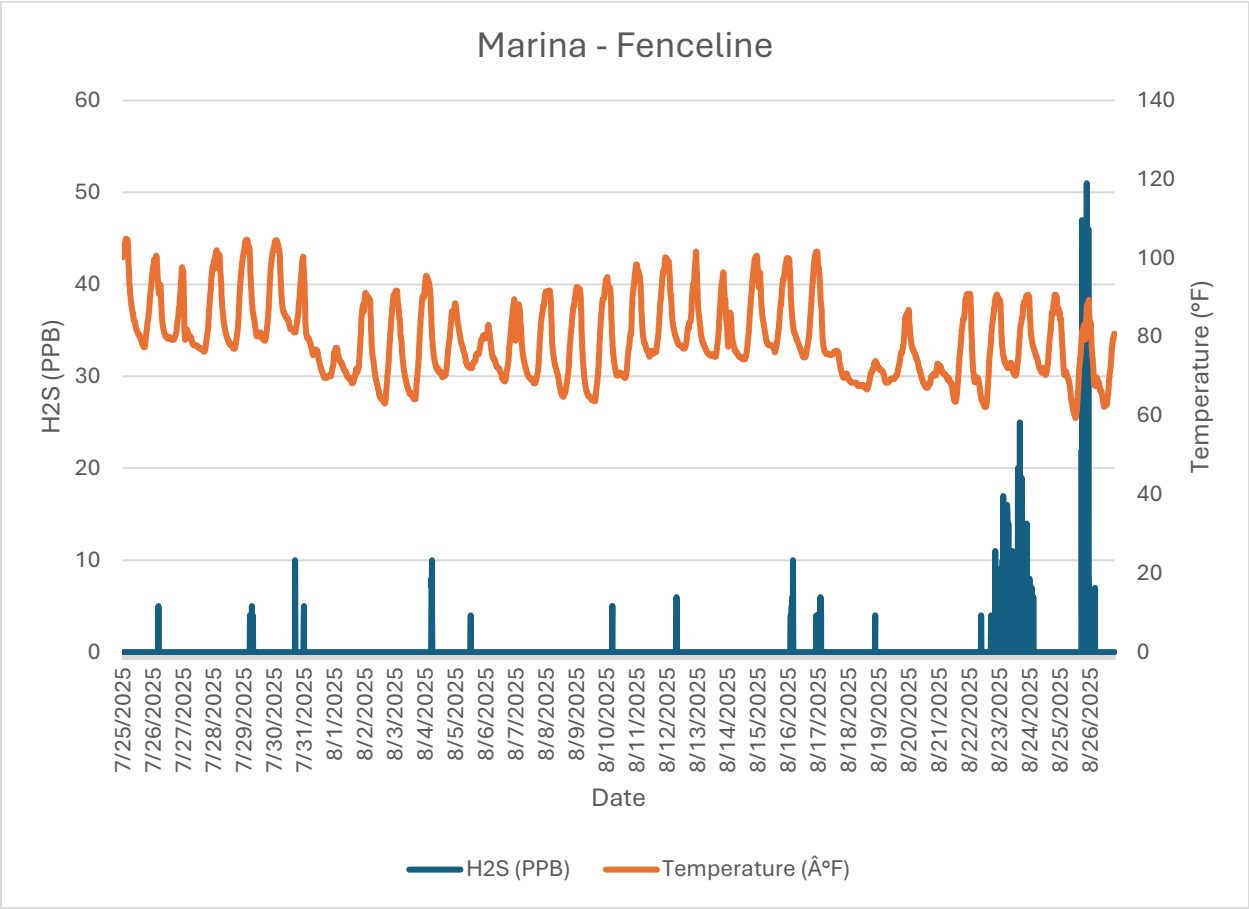
Monitor 3 Fenceline: Denite Filter Mudwell Area Fenceline- North H2S PPB August, 2025



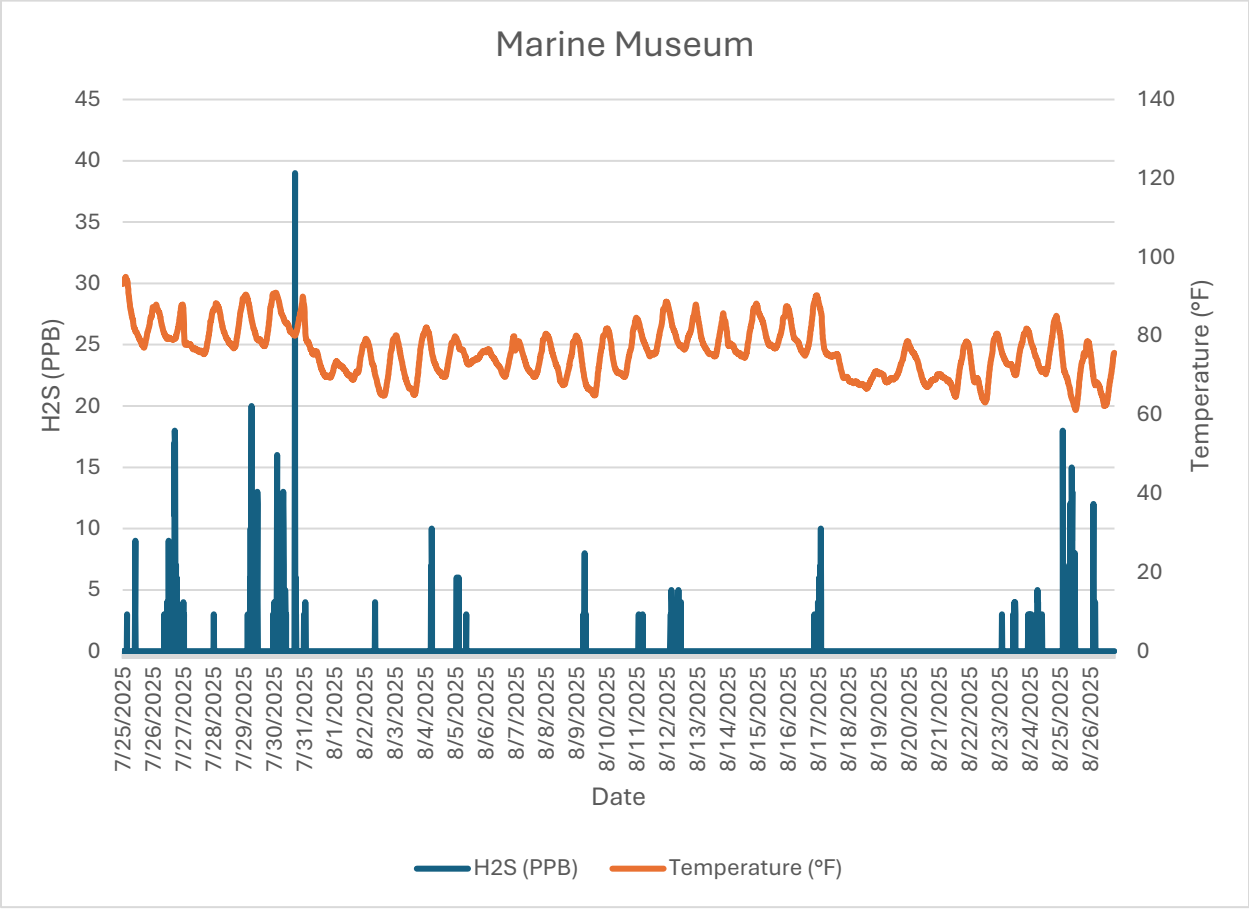
Monitor 3 Fenceline: Denite Filter Mudwell Area Fenceline- North H2S PPB August, 2025



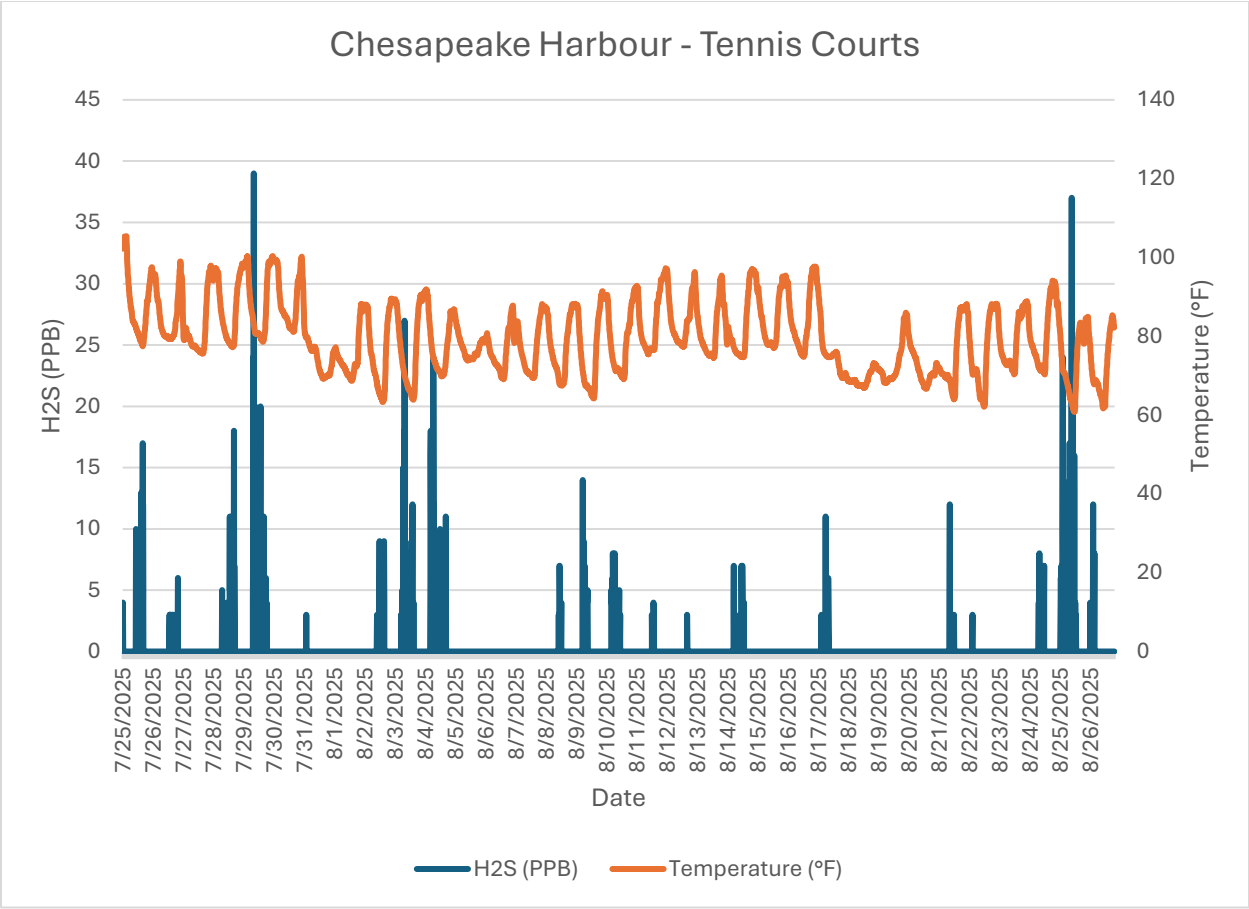
Monitor 1 Neighborhood: Marina – Store Front H2S PPB August, 2025



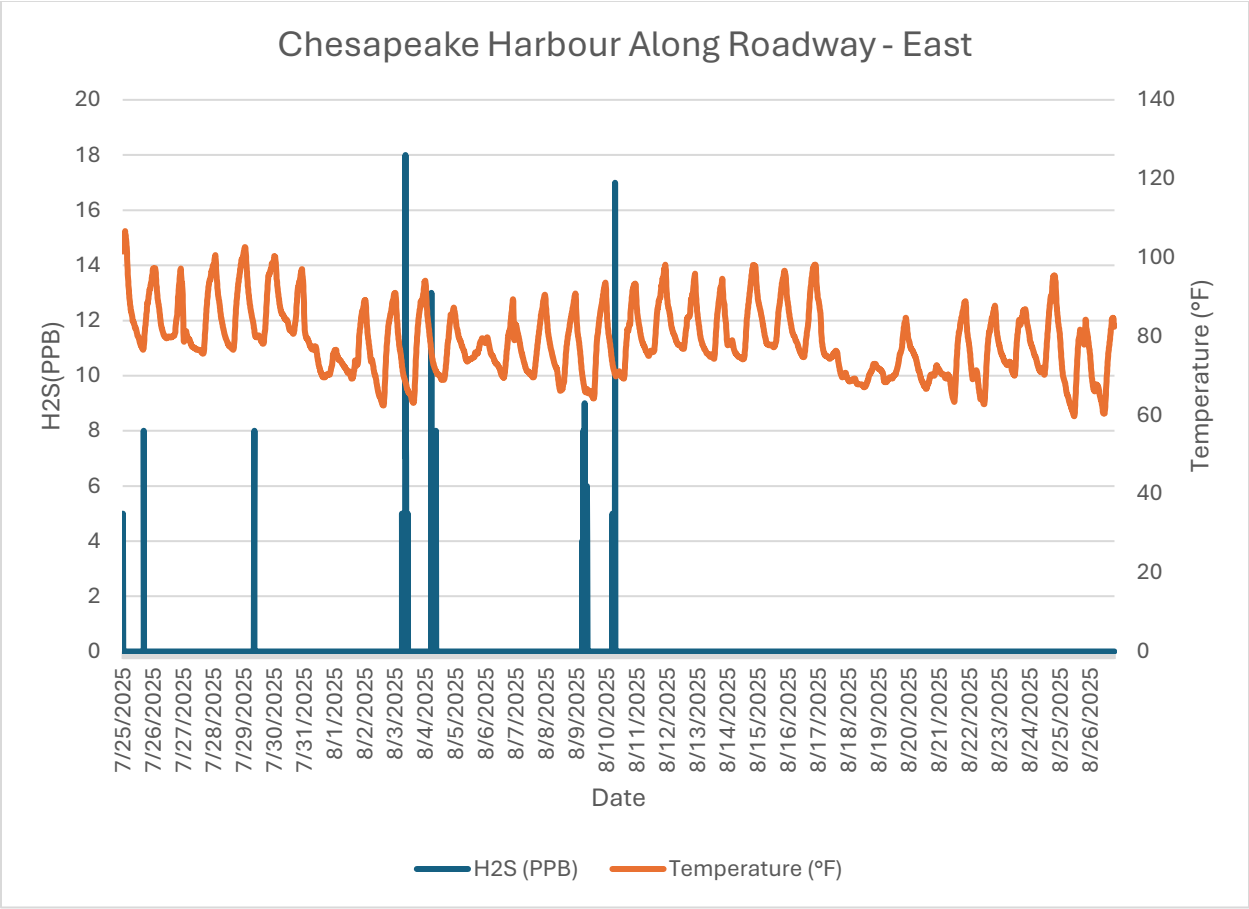
Monitor 2 Neighborhood: Marina – Fenceline H2S PPB August, 2025



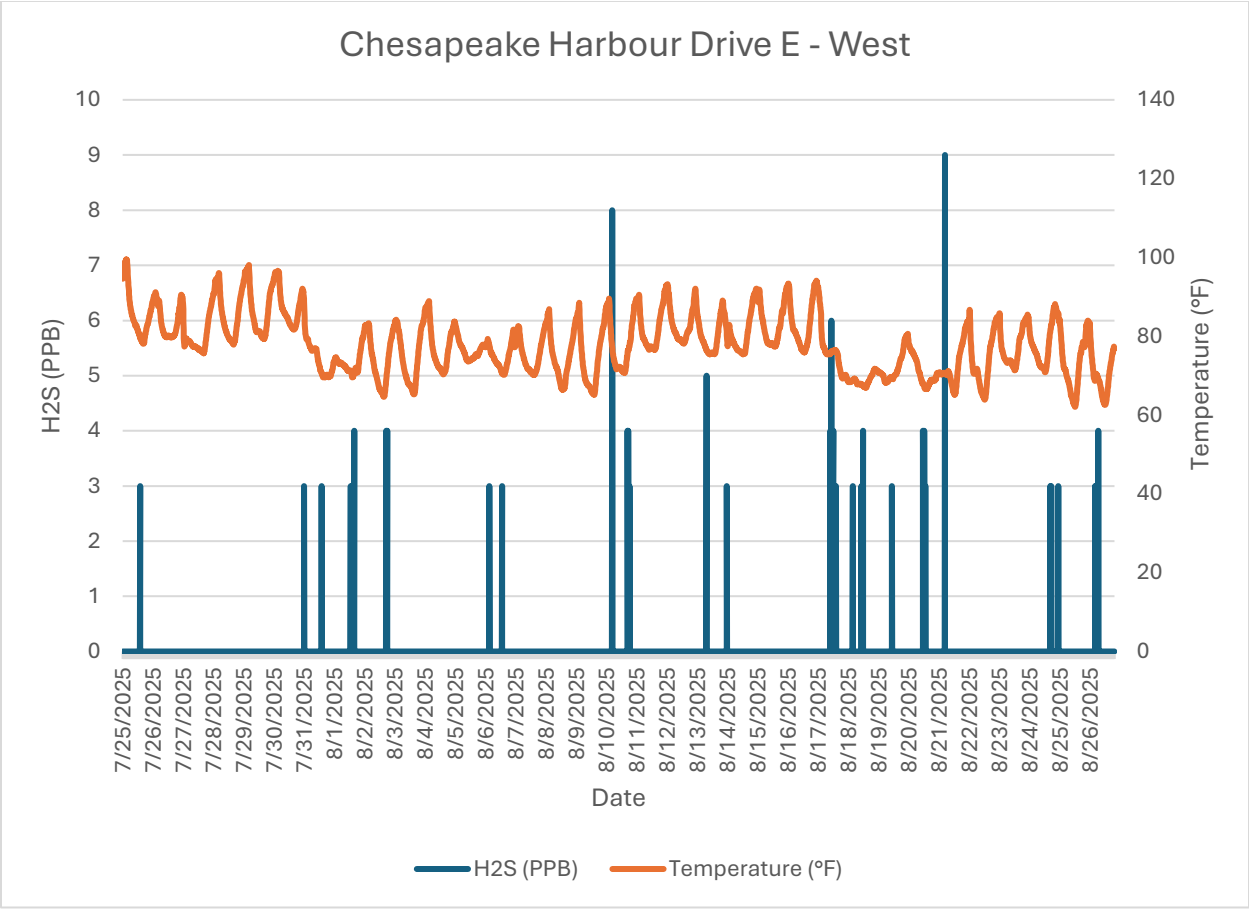
Monitor 3 Neighborhood: Maritime Museum H2S PPB August, 2025



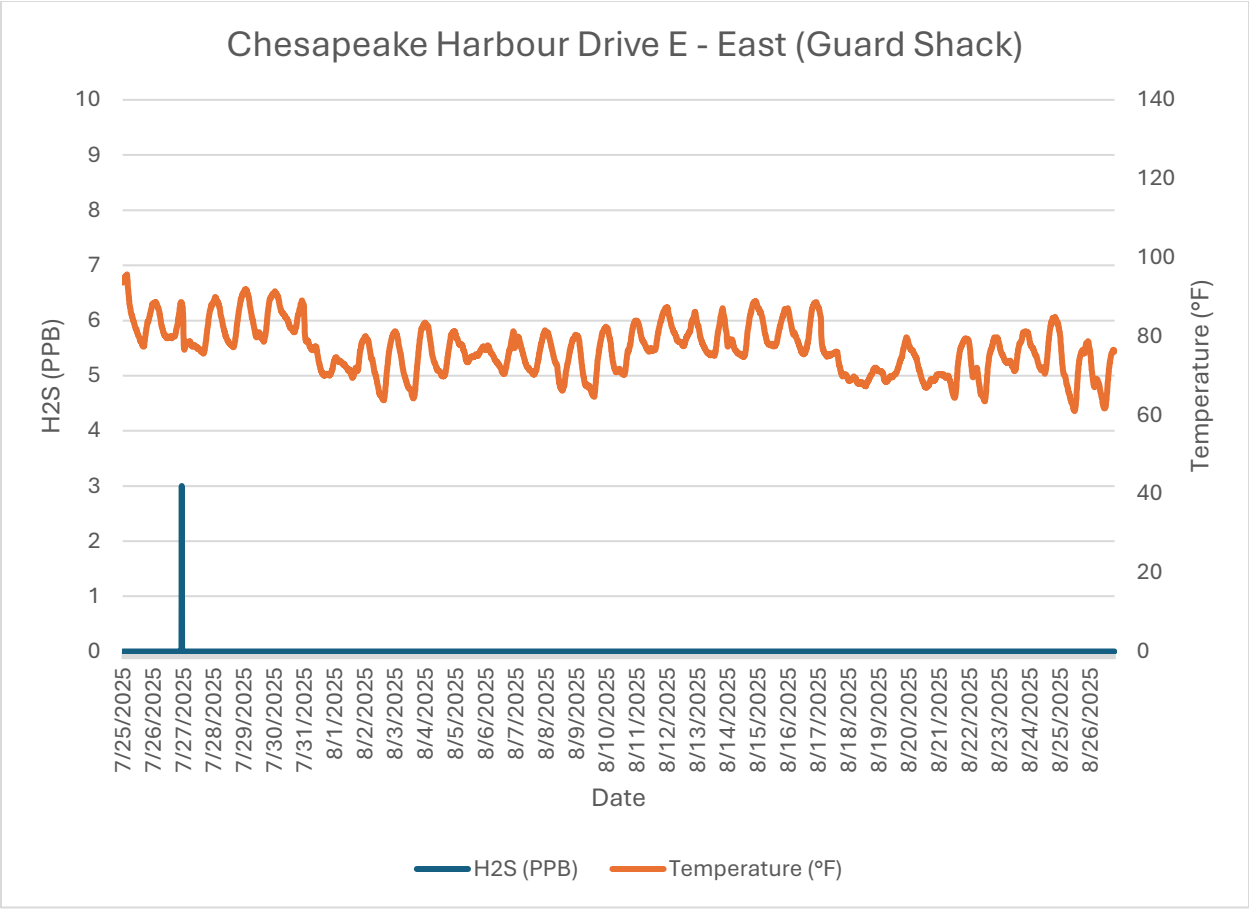
Monitor 4 Neighborhood Chesapeake Harbour – Tennis Courts H2S PPB August, 2025



Monitor 5 Neighborhood Chesapeake Harbour Along Roadway - East H2S PPB August, 2025



Monitor 6 Neighborhood Chesapeake Harbour Drive E - West H2S PPB August, 2025



Monitor 7 Neighborhood Chesapeake Harbour Drive E - East (Guard Shack) H2S PPB August, 2025