

EPA Investigations



October 16, 2023

- ✓ EPA interviewed 5 residents with DW concerns on October 16, 2023
 - 3 of the 4 homes sampled had TPH detections (50-70 ppb range).
 - Skin irritation/rash associated with bathing was most common concern

- ✓ Report issued December 2023 and included following recommendations:
 - Provide training to Navy representatives visiting homes
 - Develop one-page pamphlet with important information
 - Investigate premise plumbing
 - Investigate root cause of TPH, sheen, and symptoms
 - Provide alternative water to homes while waiting for sample results and/or pending investigation

February 14-16, 2024

- ✓ EPA interviewed 13 residents after receiving another batch of complaints.
- ✓ Report forthcoming.

TPH Applicability in Drinking Water

- EPA regulates over 90+ contaminants in drinking water:
 - Standards or MCLs
 - Approved analytical methods
 - Best Available Treatment
- TPH is not regulated in drinking water.
- For unknowns and mixtures:
 - Test for the most potent toxic constituents
 - Use peer-reviewed toxicity information



EPA Response to Increase in TPH Detections and Water Quality Concerns



- ❑ EPA review of Chromatograms (Fingerprint Analysis)
 - Graphs of the chemical signature (pattern) from the separation of mixture components compared against fuel chromatograms
 - Preliminary EPA findings*: patterns do not resemble JP-5 fuel
 - EPA to conduct further dataset reviews
- ❑ EPA to collect/analyze split samples
- ❑ EPA to conduct independent inspection
- ❑ EPA to require Navy to continue sampling/testing of JBPHH water system as part of 2023 ACO
- ❑ EPA to identify added analytes for future testing
- ❑ EPA to engage ORD, ATSDR

[* based on limited dataset]

