



FINAL

**Preliminary Assessment  
and  
Site Investigation Work Plan  
for  
Per – and Polyfluoroalkyl  
Substances  
at**

Goddard Space Flight Center  
Wallops Flight Facility  
Wallops Island, Virginia

March 2019

**FINAL**

**PRELIMINARY ASSESSMENT AND  
SITE INVESTIGATION WORK PLAN  
FOR  
PER- AND POLY FLUOROALKYL SUBSTANCES  
AT  
NASA WOLLOPS FLIGHT FACILITY  
WOLLOPS ISLAND, VIRGINIA**

**Submitted to:  
National Aeronautics and Space Administration  
Goddard Space Flight Center  
Wallops Flight Facility  
Wallops Island, Virginia**

**Submitted by:  
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- Area 3 – Former Fire Training Area (FFTA). Last used during the 1970's. Currently inactive.
- Area 9 – WFF FD indicated they trained at the facility from around 1979/80 till 1991/92. Currently inactive.

25. Can we have a base wide map of monitoring well locations?

Refer to NASA WFF GIS map.

26. Is there anyone else or other base organization personnel that you would recommend we interview? Name, organization, position, phone number, e-mail. Not applicable.

27. NASA Environmental Department - Do you have a chrome plating shop on base? Years of operation? Was foam used to suppress vapors in the process?

NASA Environmental Department: Building F-8 located on the MB contained a plating shop. It was used by DoD and NASA. Currently, details on the type of plating conducted at the facility are unknown. The building was demolished in January 2007.

28. Where does your water supply come from?

*NASA Environmental Department:*

The potable water source for NASA WFF is currently obtained from 4 production wells located on the MB parcel that are screened in the Yorktown-Eastover Aquifer. Prior to July 2017, there were 5 production wells in-service. Production Well WW-02 was removed from service in May 2017, due to detections of PFOA/PFOS. Maximum concentrations detected from samples collected on 5/23/17: PFOA at 1.9 ng/L; PFOS at 11 ng/L. Combined concentration total at 12.9 ng/L, below the EPA drinking water Health Advisory of 70 ng/L.

29. Are there any tenants that use AFFF?

*NASA WFF Fire Department Response:*

Mid-Atlantic Regional Spaceport (MARS) currently has 5 gallons of new foam stored at Building B-129 (WFF MB Fire Station). FD indicated MARS has not used the foam. MARS uses a TriMax portable Compressed air Foam System. It is serviced here at B-129 and they use Ansul 6% AFFF.

The NASA WFF Airport (Aircraft Operations) also uses a similar system but it is using NOVAcool which does not contain PFAS. We hope to transition MARS to this product.

*NASA Environmental Department:*

Airfield Operations provided information to NASA Environmental Office via e-mail on 4/7/18. Airfield Operations is expecting to take delivery of TriMAX portable fire suppression systems at the end of April 2018. These units are to be deployed on various ramps and storage facilities and used on the airfield ramps.