



Why is the Navy Sampling Private Drinking Water Wells?

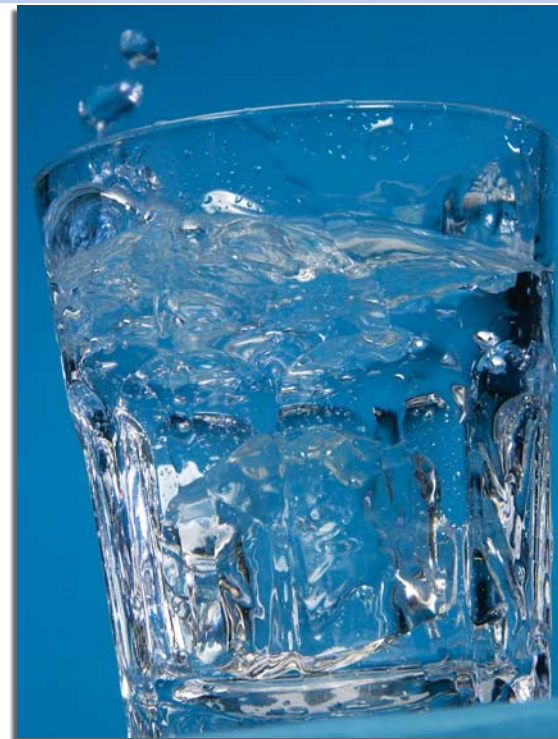
Additional information can be found online at:
www.secnave.navy.mil/eie/pages/pfc-pfas.aspx

For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact Navy Public Affairs Office at:
800-915-4705 or NAVFAC_ML_PAO@navy.mil

The Navy is committed to protecting our neighbors' drinking water and taking responsibility for our previous operations.

- In 2016, the EPA established a drinking water lifetime health advisory (70 ppt) for two currently unregulated PFAS, specifically PFOA and PFOS.
- The Navy issued a protective policy to identify and address sites with the potential for exposure to PFOA and PFOS in drinking water.
 - The most common historical Navy use of PFOA and PFOS was in certain types of firefighting foam, which is no longer used for firefighter training.
- The Navy has started assessing bases to identify and address the potential for exposure to PFOA and PFOS.
 - The Navy has identified the NSA Cutler Fire Station as a location where PFOA and PFOS may have potentially migrated in groundwater off of the NSA Cutler Fire Station.
 - We need your help to determine if there are impacts to drinking water wells.





NSA Cutler PFAS Information

Additional information can be found online at:
www.secnav.navy.mil/eie/pages/pfc-pfas.aspx

For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact Navy Public Affairs Office at:
800-915-4705 or NAVFAC_ML_PAO@navy.mil

Identification of PFAS releases areas:

- Former Fire Training Area and Former Salvage Yard Area identified in review of environmental records.
- No off-base private drinking water wells identified within 1-mile downgradient of either site.

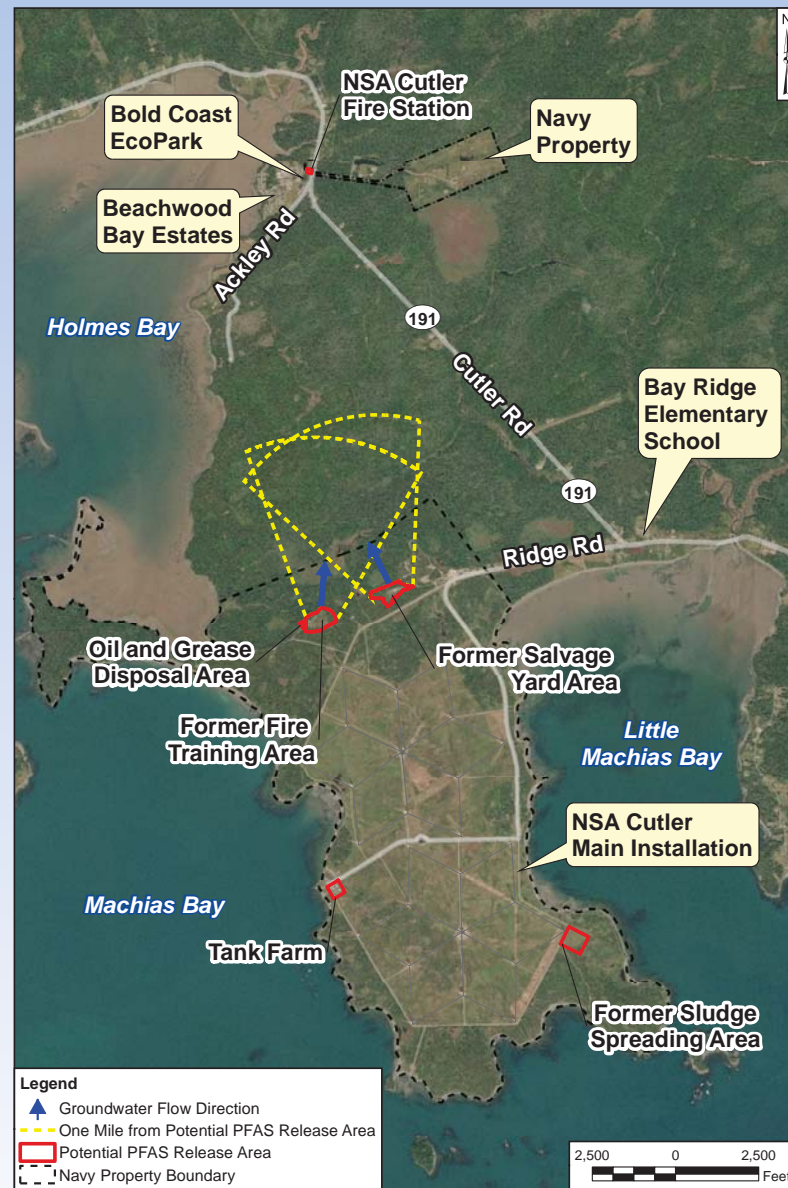
Previous PFAS Sampling:

- Former Fire Training Area:
 - Groundwater sampling in 2012, 2014, 2015 and 2019.
 - Results greater than 70 ppt.
 - Results ranged from non-detect to 480 ppt.
- Former Salvage Yard Area:
 - Groundwater sampling in 2015 and 2019.
 - Results less than 70 ppt.
 - Results ranged from non-detect to 8.74 ppt.

Additional Potential PFAS Release Areas Identified in 2020:

- Former Sludge Spreading Area
- Tank Farm
- Former Oil and Grease Disposal Area
- NSA Cutler Fire Station (located north of the Main Installation)

EPA Lifetime Health Advisory is 70 ppt.





Previous On-Base Drinking Water Testing

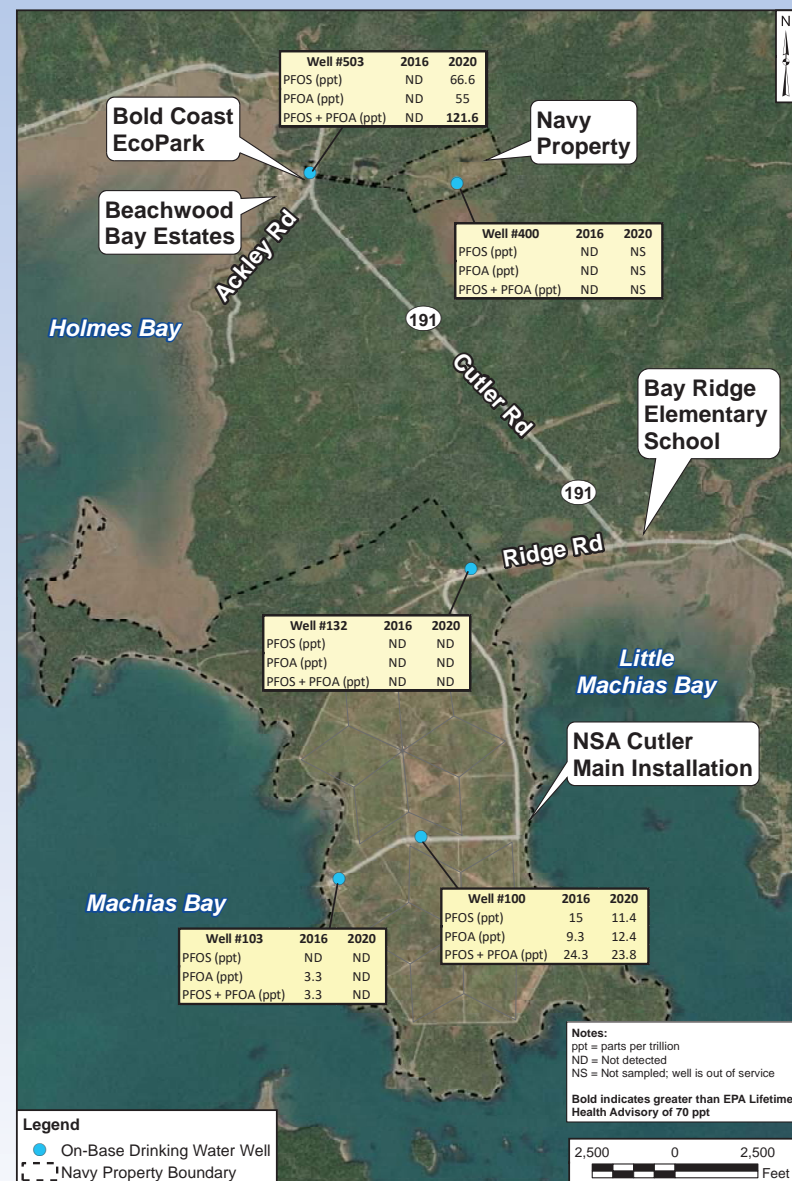
Additional information can be found online at:
www.secnave.navy.mil/eie/pages/pfc-pfas.aspx

For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact Navy Public Affairs Office at:
800-915-4705 or NAVFAC_ML_PAO@navy.mil

- Five on-base wells provide drinking water to NSA Cutler.
- Navy policy required testing for PFAS in 2016:
 - PFOA and PFOS concentrations in all five wells were below the EPA lifetime health advisory level of 70 ppt.
 - The combined PFOA and PFOS results ranged from non-detect, in three of the five wells, to 24.3 ppt in Well #100.
- Department of Defense policy required re-testing drinking water for PFAS in 2020:
 - Results received August 2020.
 - The PFOA and PFOS results for NSA Cutler Main Installation drinking water wells ranged from non-detect to 23.8 ppt.
 - The drinking water well at the NSA Cutler Fire Station was found to contain a combined total of 121.6 ppt of PFOA and PFOS, which exceeds the EPA lifetime health advisory level.

EPA Lifetime Health Advisory is 70 ppt.





NSA Cutler On-Going Environmental Investigation

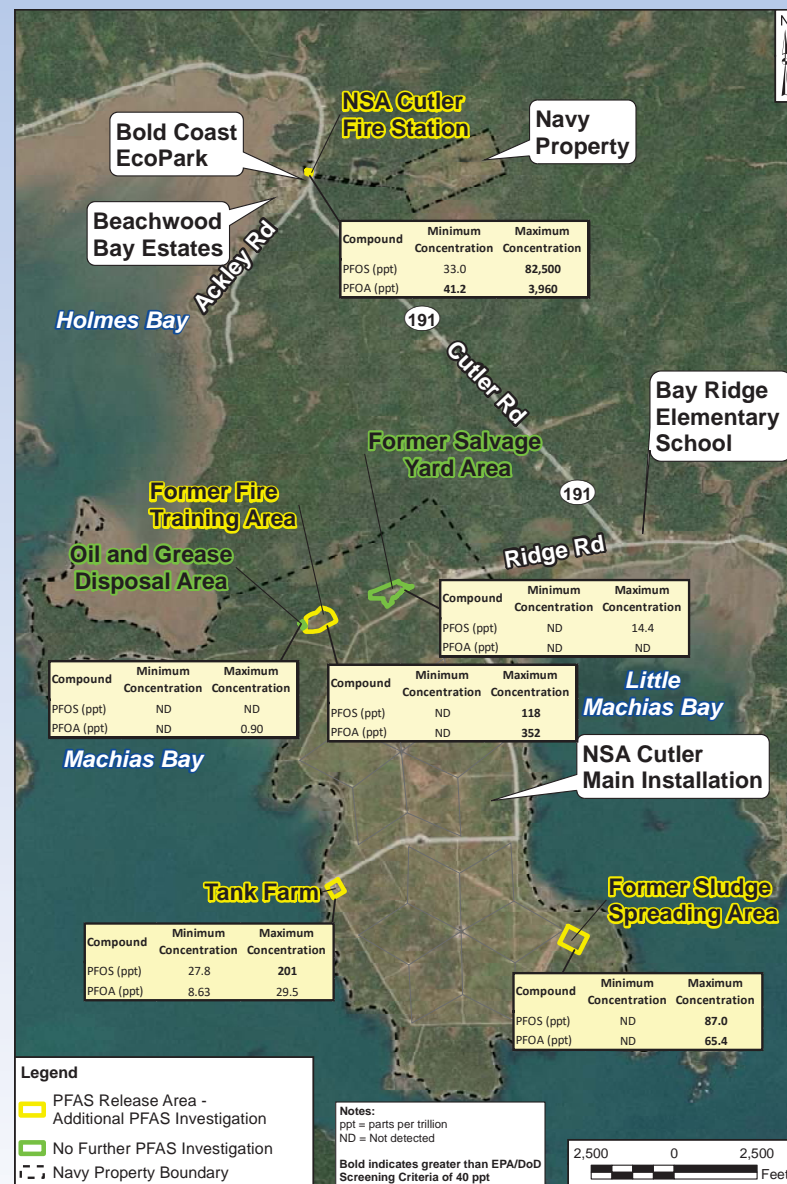
Additional information can be found online at:
www.secnav.navy.mil/eie/pages/pfc-pfas.aspx

For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact Navy Public Affairs Office at:
800-915-4705 or NAVFAC_ML_PAO@navy.mil

2020 Groundwater Sampling for PFAS

- PFAS were detected at all six sites.
- PFAS exceeded the EPA and DoD groundwater screening criteria of 40 ppt at four sites.
 - Additional PFAS investigation recommended.
- An off-base drinking water investigation is required for the NSA Cutler Fire Station due to private drinking water wells located within 1 mile of a PFAS source.





NSA Cutler Fire Station Shallow Groundwater

Additional information can be found online at:
www.secnnav.navy.mil/eie/pages/pfc-pfas.aspx

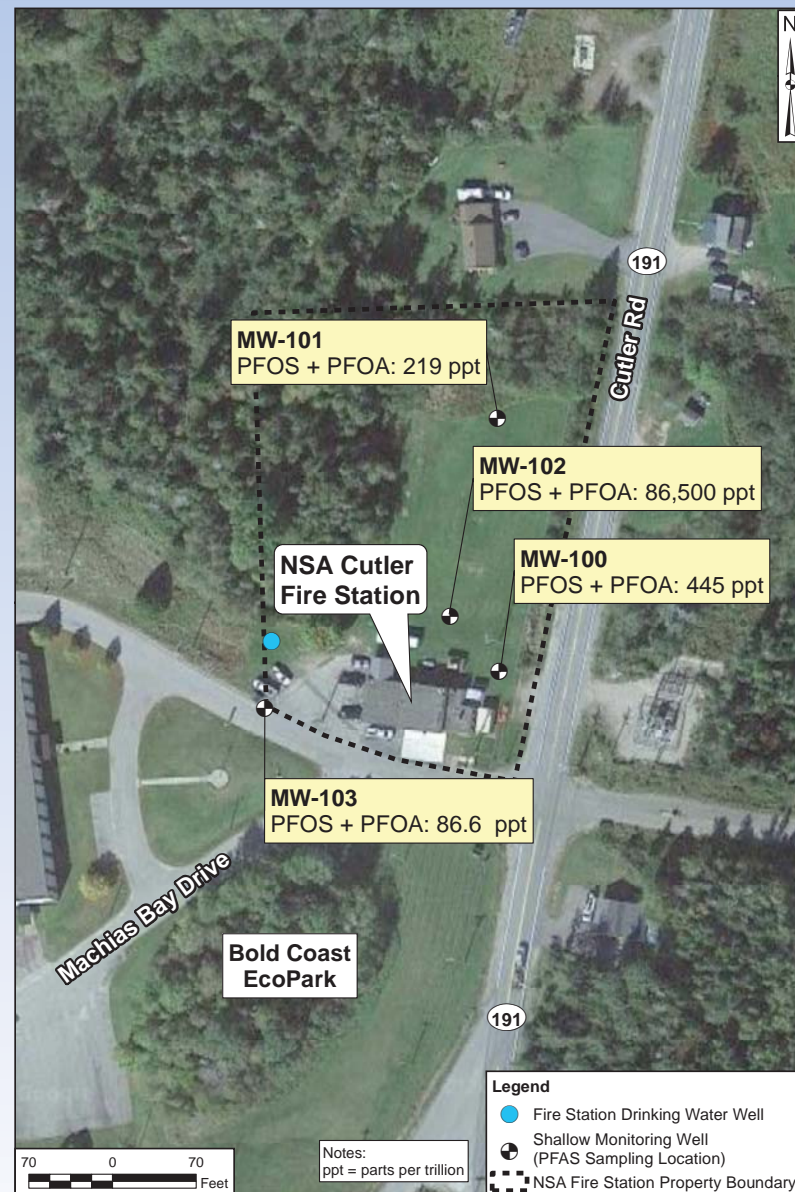
For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact Navy Public Affairs Office at:
800-915-4705 or NAVFAC_ML_PAO@navy.mil

- Four shallow groundwater monitoring wells were installed and sampled in March 2020.
 - 10 to 18 feet below ground surface.
 - Support on-going environmental investigation of PFAS at NSA Cutler Fire Station.
- Sampling results exceeded the EPA lifetime health advisory with results ranging from 86.6 to 86,500 ppt in the shallow groundwater.

EPA Lifetime Health Advisory is 70 ppt.

An off-base drinking water investigation is needed because private drinking water wells are located within a mile of the NSA Cutler Fire Station.



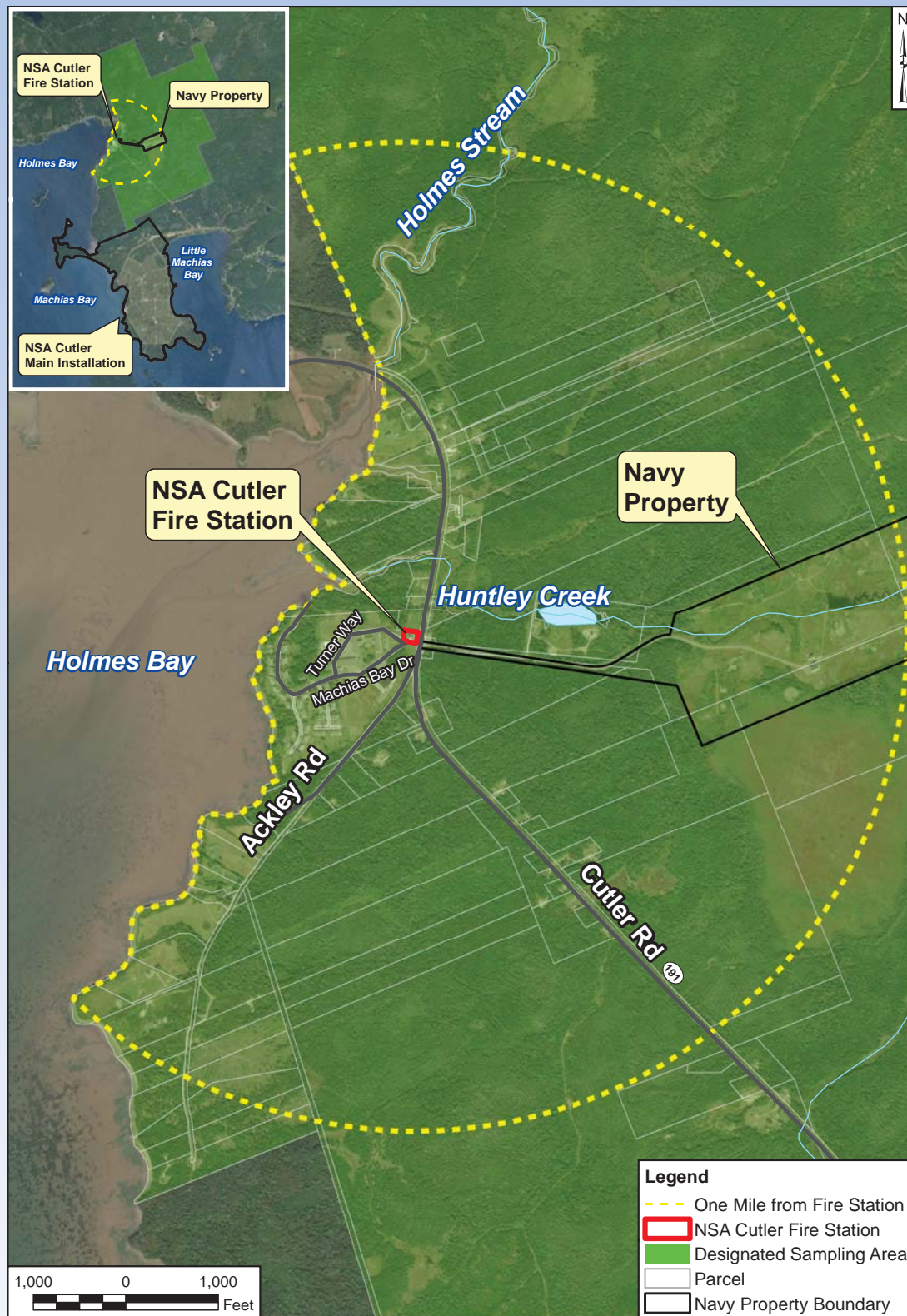


Private Drinking Water Well Sampling

Additional information can be found online at:
www.secnav.navy.mil/eie/pages/pfc-pfas.aspx

For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact Navy Public Affairs Office at:
800-915-4705 or NAVFAC_ML_PAO@navy.mil



■ Sampling is recommended because there are drinking water wells within one mile of NSA Cutler Fire Station.

■ The Navy may expand the sampling area based on the results of the private drinking water well sampling.



Per- and Polyfluoroalkyl Substances (PFAS) and Exposure

Additional information can be found online at:
www.secnave.navy.mil/eie/pages/pfc-pfas.aspx

For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact ATSDR Region 1 at:
617-918-1493 or tv54@cdc.gov

Where Do PFAS Come From?

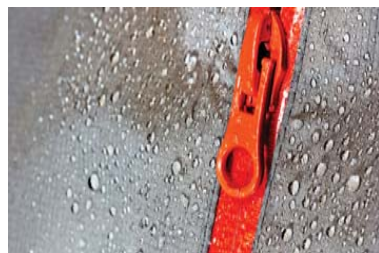
- Manufactured compounds, no natural occurrence.
- Used since 1950s in many products.
- Last a long time in the environment.



firefighting foam



stain-resistant carpets



water-resistant fabrics



personal care products



nonstick cookware



food packaging

PFAS in People

- Most people in the United States and other countries have probably been exposed to PFAS and have PFAS in their blood.
- Some PFAS stay in the body a long time.
- Blood testing for PFAS is available but is not a regular test offered by a doctor.
 - PFAS blood tests will not provide information on health problems nor will it provide information for treatment.
 - PFAS blood tests results can't tell you if PFAS exposure has caused your health condition.

How Are People Exposed to PFAS?

- PFAS may be in drinking water, food, indoor dust, some consumer products, and workplaces.
- Most non-occupational exposures occur through drinking water or eating food that contains PFAS.
- Very little PFAS exposure occurs during swimming, bathing, or showering.
- PFAS in a mother's body can move from her blood into her unborn child and from her breast milk into her breastfed baby.
 - However, based on current science, the benefits of breastfeeding appear to outweigh the risks for infants exposed to PFAS in breast milk.
 - If concerned, nursing mothers should consult with their primary care physician.



Possible Health Effects and Advisory Levels

Additional information can be found online at:
www.secnave.navy.mil/eie/pages/pfc-pfas.aspx

For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact ATSDR Region 1 at:
617-918-1493 or tv54@cdc.gov

How Might PFAS Exposure Affect People's Health?

- At this time, scientists are still learning about how exposure to PFAS might affect people's health.
- High levels of certain PFAS may lead to the following:
 - Increased cholesterol levels.
 - Changes in liver enzymes.
 - Small decrease in infant birth weight.
 - Decreased vaccine response in children.
 - Increased risk of high blood pressure or pre-eclampsia in pregnant women.
 - Increased risk of kidney or testicular cancer.
- There are no medical interventions that will remove PFAS from the body.
 - The best intervention is to stop the source of exposure (such as drinking water).
 - This allows levels in the body to decrease over time.

What is the EPA's Lifetime Health Advisory?

- Sets a total concentration of 70 ppt PFOA and PFOS in drinking water.
- Protects against harmful health effects to sensitive populations and the general public.
- Assumes exposure over a lifetime.
- Provides information to state agencies and public health officials on health effects and water treatment needs so they can take steps to reduce exposures.
- Is only an advisory and is therefore non-enforceable.

How was the EPA Lifetime Health Advisory Calculated?

- Based on studies of health effects from PFOA and PFOS in laboratory animals.
- Considers information regarding health effects on people exposed to PFOA and PFOS.
- Protects sensitive populations including the fetuses and nursing infants of mothers who are exposed.

The Navy will provide bottled water if your sampling results for PFOA and PFOS are above the EPA lifetime health advisory (70 ppt).



Next Steps For Drinking Water Sampling

Additional information can be found online at:
www.secnav.navy.mil/eie/pages/pfc-pfas.aspx

For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact Navy Public Affairs Office at:
800-915-4705 or NAVFAC_ML_PAO@navy.mil

Sequence of Events

Sign up for
sampling

Sample well



Receive
preliminary
results

Make sure
data are
accurate

Contact property
owner

Mail final
results to
property owner

Results greater
than 70 ppt
continue to receive
alternate water
for drinking and
cooking until a
long-term solution
is completed

Results greater
than 70 ppt receive
alternate water for
drinking and cooking

Results less than
or equal to
70 ppt require no
further action at
this time

Ongoing Actions

- Potentially expand the sampling area based on sampling results.
- Continue to communicate with residents and property owners.
- Continue to partner with Federal, State, and local agencies.
- Continue PFAS investigations.



Environmental Cleanup Process

Additional information can be found online at:
www.secnave.navy.mil/eie/pages/pfc-pfas.aspx

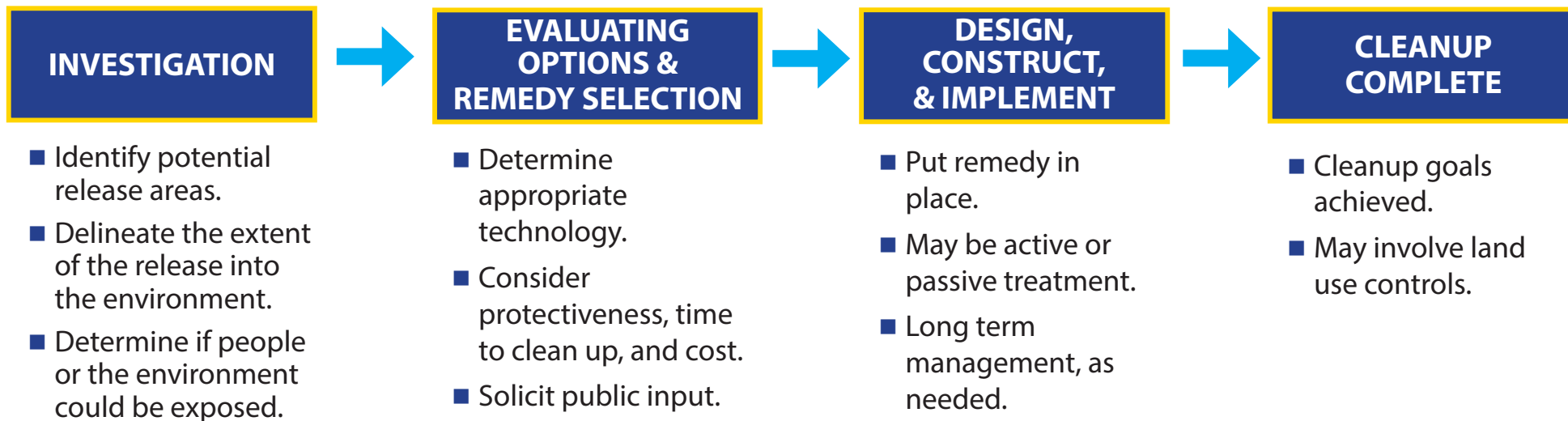
For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact Navy Public Affairs Office at:
800-915-4705 or NAVFAC_ML_PAO@navy.mil

PRIORITY: Protect Human Health & the Environment

- Structured process to identify and clean up historical releases of compounds into the environment.
- The Navy works closely with the Maine Department of Environmental Protection at every step of the process.
- Public input is welcome throughout the process and is formally solicited at certain points.
- It is a very thorough and comprehensive process.
- The Navy is here until the process is complete.

PFAS Environmental Cleanup Process



PFAS evaluations are in their early stages.



We Need Your Assistance – Drinking Water Sampling Process

Additional information can be found online at:
www.secnav.navy.mil/eie/pages/pfc-pfas.aspx

For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact Navy Public Affairs Office at:
800-915-4705 or NAVFAC_ML_PAO@navy.mil

Sampling your private drinking water well is voluntary.

Sampling Process

- We need the property owner's cooperation to:
 - Make your appointment.
 - Provide well information by completing a questionnaire prior to sampling.
- Team of no more than three qualified professionals.
 - Sampling takes less than an hour.
 - Water sample collected outside from point closest to the well.
 - Water will usually run for no more than 15 minutes prior to sampling.
 - Simple hand-held equipment will be used.
 - Samples will be collected and analyzed according to EPA procedures.
- Property owner will be notified of results within approximately 30 days.

Scheduling an Appointment

**SCHEDULE YOUR
APPOINTMENT NOW BY
CALLING:
833-397-3778
(833-DWREQST)**





Well Sampling Information and Timeline

Additional information can be found online at:
www.secnav.navy.mil/eie/pages/pfc-pfas.aspx

For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact Navy Public Affairs Office at:
800-915-4705 or NAVFAC_ML_PAO@navy.mil

Private Drinking Water Well Sampling

- Sampling appointments can be made by calling 833-397-3778 (or 833-DWREQST).
- The Navy will be sampling drinking water wells in the designated sampling area.
- Drinking water samples will be collected September 14 through September 27, 2020.
- Sampling appointments are available 8:00 a.m. - 7:00 p.m.
- The property owner must give permission for sampling and complete the well information questionnaire.
- Sampling takes less than one hour.
- An adult (18 years or older) must be present during sampling.

Initial Drinking Water Sampling Activity Timeline



**Website Technical Presentation
Available to the Public**

September 8, 2020

**Private Drinking
Water Well Sampling**

Starting September 14, 2020

**Preliminary Sampling
Results Discussed with
Property Owner**
Starting in mid-October

September

October



COVID-19 Safe Sampling Practices

Additional information can be found online at:
www.secnave.navy.mil/eie/pages/pfc-pfas.aspx

For updates as more information becomes available, visit:
<https://go.usa.gov/xwfdW>

If you have specific questions, please contact Navy Public Affairs Office at:
800-915-4705 or NAVFAC_ML_PAO@navy.mil

Safety is Our Priority

- Communication with property owners prior to and during the appointment will be by telephone.
- Samples are typically collected from an outdoor spigot.
- Samplers will wear face masks and gloves at all times.
- Samplers will maintain social distancing by avoiding close contact.
- Additional information explaining our procedures for social distancing and contactless sampling will be provided when you call 833-397-3778 (833-DWREQST) to schedule a sampling appointment.

