

Navy Hosts Bus Tours for Hunters Point Community

On Saturday, June 10, the Navy hosted guided bus tours to update community members on cleanup progress and ongoing work at the former Hunters Point Naval Shipyard (HPNS). These were the first bus tours held since the COVID-19 pandemic was declared in early 2020.

The Navy originally planned to hold two bus tours, but added a third one because there was interest from more than 120 people. Additionally, in collaboration, the Shipyard Trust for the Arts held two history tours.

In response to community feedback, the Navy offered a new format that allowed riders to learn more about the science behind the environmental cleanup technologies used at the Shipyard. The more than 60 people who joined the tour were able to visit demonstrations where Navy staff described equipment used for monitoring environmental conditions. This monitoring ensures that the public health remains protected.

In addition, the Navy's new environmental coordinator, Michael Pound, provided an overview of environmental cleanup work across HPNS and answered questions from participants.

The Navy will hold additional tours later this year in conjunction with the Shipyard Trust for the Arts' Open Studios event in October. Details and registration will be announced in late September 2023.

For more information and to join the HPNS mailing list, send an email to info@sfhpn.com or leave a message at 415-295-4742.



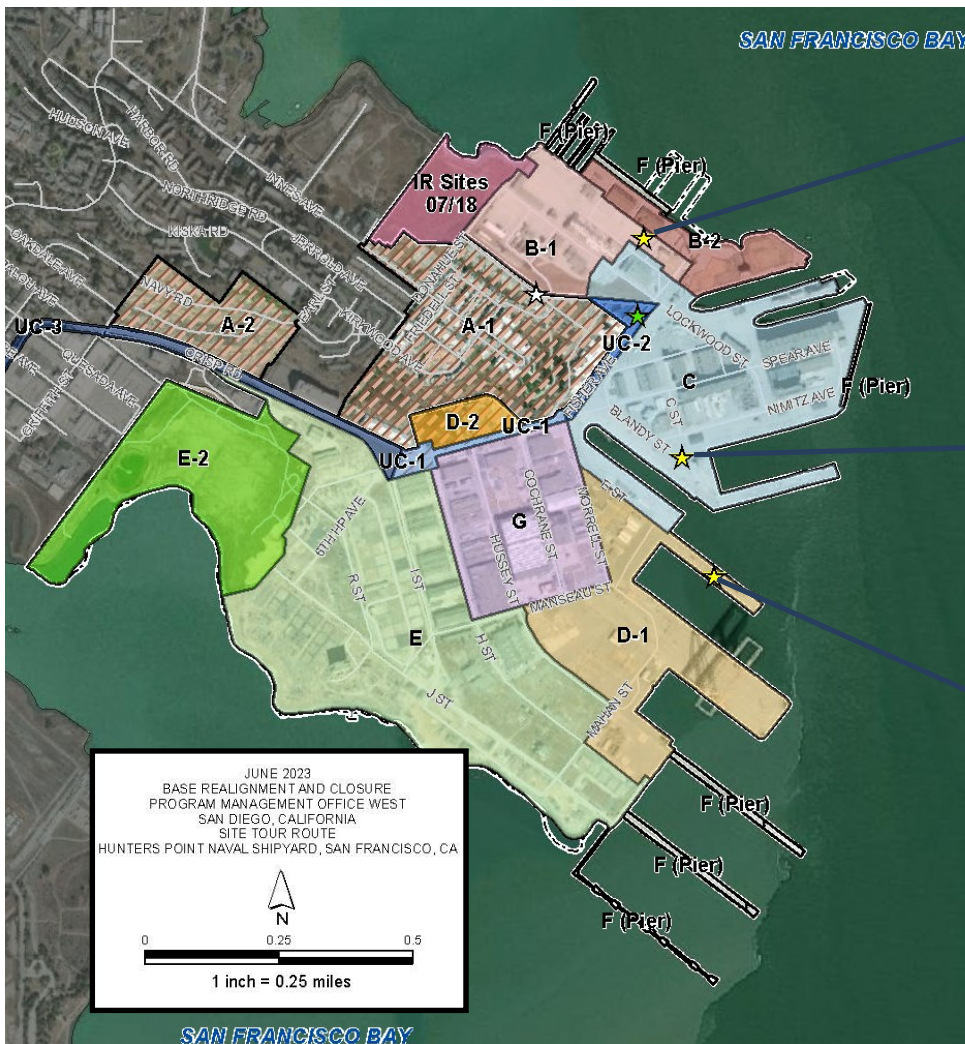
Field Equipment Demonstration



Groundwater Monitoring Demonstration



Air Monitoring Demonstration



MicroR (µR) Survey Meter

Radiation survey meters are used to detect radioactive sources or the presence of radioactive contamination.

The Navy uses MicroR survey meters:

- To assess the gamma radiation hazard in an area for health and safety
- To assess the exposure rate from a single source or item at a specific distance



Ludlum Model 19
MicroR Survey Meter



Handheld Alpha/Beta Detector and Data Logger

Used together, the alpha/beta detector monitors surface contamination and the data logger discriminates between alpha and beta particles.

The Navy uses alpha/beta detectors and data loggers:

- To conduct alpha/beta contamination surveys
- To scan personnel for contamination
- To check equipment for contamination before leaving a work area



Ludlum Model 43-93 Alpha Beta Detector
(left) and Ludlum Model 2360 Data Logger



Handheld Gamma Detector and Data Logger

The gamma detector identifies low levels of gamma radiation. It is paired with a portable data logger to display detector readings during fieldwork.

The Navy uses gamma detectors and data loggers to conduct various gamma surveys, including:

- Gamma walkover scans
- Gamma statistics



Ludlum Model 44-20 Gamma Detector (left)
and Ludlum Model 2350-1 General Purpose
Data Logger

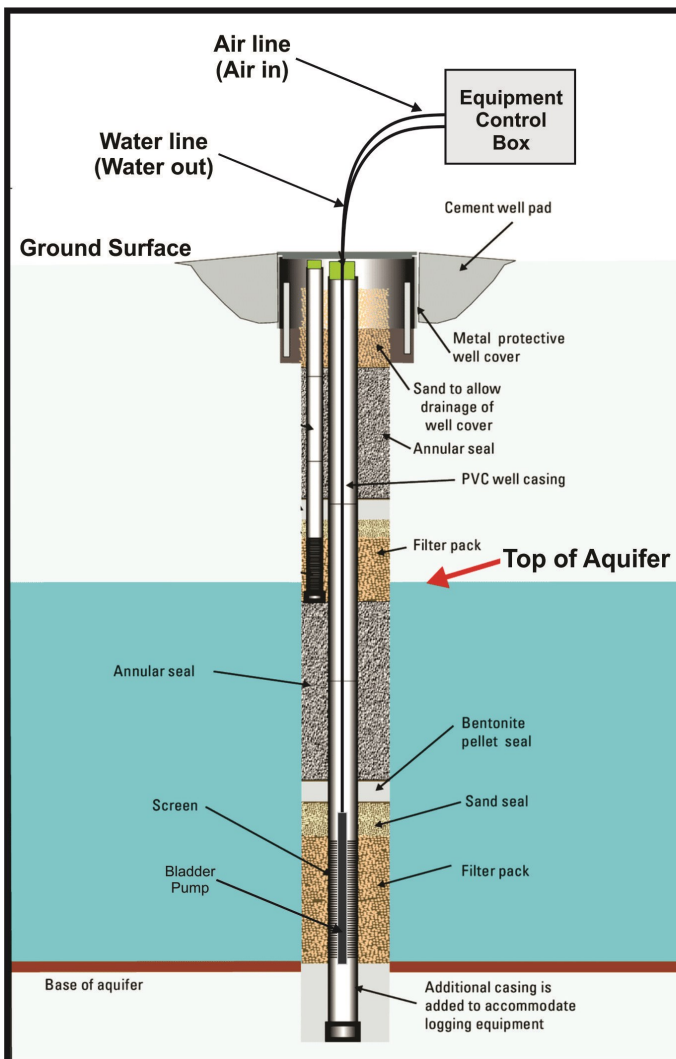


Groundwater Sampling and Monitoring

The Navy monitors groundwater across HPNS under its Basewide Groundwater Monitoring Program (BGMP). Collection of depth to water measurements allow the Navy to evaluate the direction and slope of groundwater flow and groundwater samples are used to detect contaminants of concern and identify possible sources of contamination. Groundwater samples are collected and analyzed at off-site laboratories. Results are used by the Navy to determine if cleanup goals are met.

Under the HPNS BGMP:

- Static (non-pumping) depth to water measurements are collected to help determine groundwater flow direction and water level trends.
- Ground water samples are collected using low-flow sampling procedures.
- For low-flow sampling, the pump is located in the middle of the screen interval allowing for a water sample to be collected from the target interval.
- For the safety of the field crew, detection equipment is used to measure the presence of organic vapors at the well head prior to groundwater sampling or gauging activities.



A Typical Groundwater Monitoring Well Construction



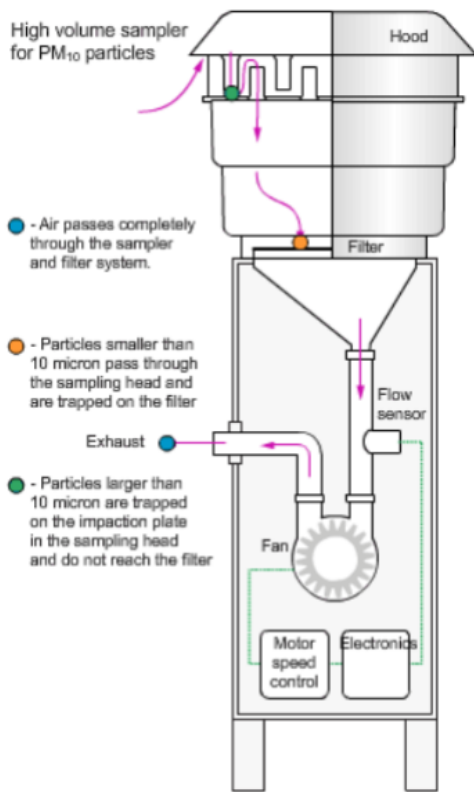


Air Quality Sampling and Reporting

Air monitoring stations are placed both upwind and downwind of active construction sites at HPNS. The Navy uses several pieces of equipment to collect air samples on filters which are sent to an off-site laboratory for analysis. The results provide information on air quality at HPNS.

High Volume Sampler for Particulate Matter-10 (PM10)

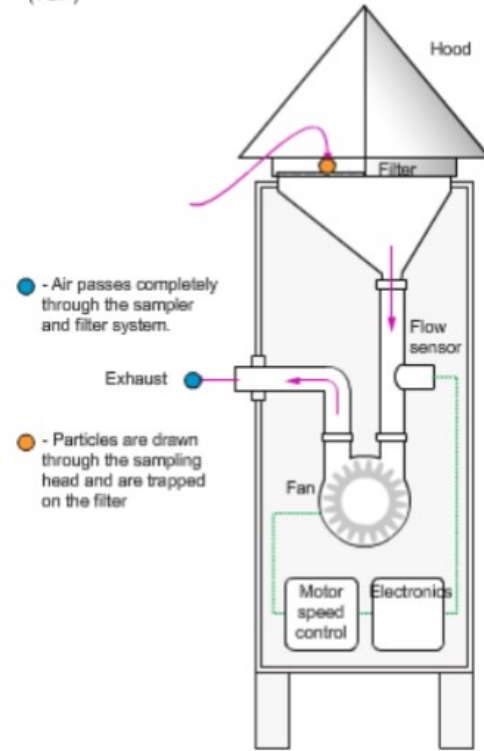
PM10 are particles with a diameter of 10 micrometers or less. They are small enough to enter the lungs and may lead to health issues. Samples collected from HPNS air filters are analyzed for dust as PM10.



High Volume Sampler for Total Suspended Particulates (TSP)

Suspended particulates are small bits of solid materials or liquids that can become airborne. Air filters from HPNS monitors are analyzed for TSP, lead and manganese.

High volume sampler for Total Suspended Particulates (TSP)



Real-time Dust Monitor

Automated dust monitors provide real-time data to assist and document the amount of dust at construction sites. At HPNS, the Navy uses this data to monitor dust and keep workers safe.



Real-time Dust Monitor

