



Hunters Point Naval Shipyard

Parcel C Phase II Remedial Action

Fact Sheet

June 2020

The purpose of this fact sheet is to update the community on the planned Parcel C Phase II remedial action at Hunters Point Naval Shipyard (HPNS) in San Francisco, California. The Parcel C remedial action has been divided into three phases. Phase II (discussed below) will start in the Summer of 2020.

Location and History: Parcel C is located in the eastern portion of HPNS and is bounded by the San Francisco Bay on the southern and eastern side. Parcel C consists of 73 acres and was historically used as an industrial support area for shipyard activities, including shipping, ship repair, office, and commercial activities. Portions of Parcel C were also used by the National Radiological Defense Laboratory.

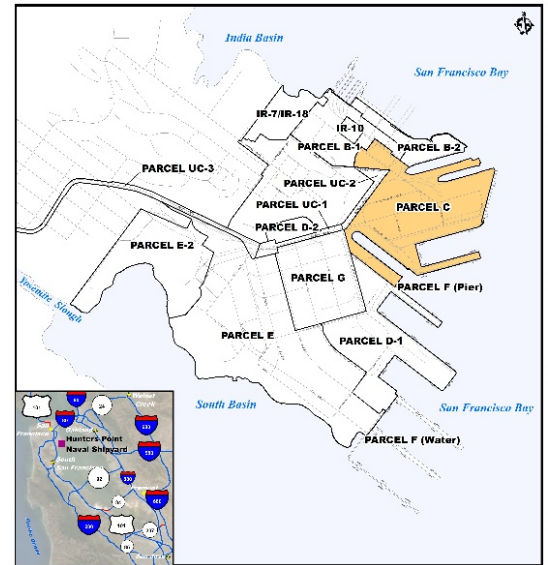


Figure 1: Parcel C Location at HPNS

Remedial Action

The Navy plans to conduct Parcel C Phase II remedial action to cleanup metals and organic pollutants in soil and groundwater to prevent exposure to contaminants left behind from former shipyard activities.

Parcel C Phase II Remedial Action

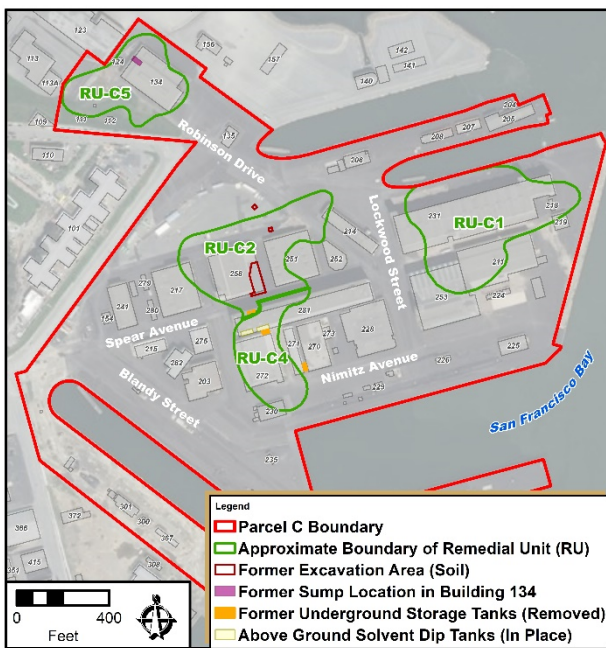


Figure 2: Parcel C Phase II Remedial Action Locations

During the Parcel C Phase II remedial action, the Navy plans to characterize, excavate and dispose off-site 70 cubic yards of contaminated soil, and characterize and treat in place volatile organic compounds (VOCs) in groundwater at Remedial Units-C2 (RU-C2), RU-C4, and RU-C5. Groundwater will be treated using in-situ bioremediation (ISB) and zero-valent iron (ZVI). During ISB, food-grade amendments (e.g. vegetable oil), are injected into the ground to feed bacteria which naturally destroy VOCs. During ZVI, elemental iron is injected into the ground to chemically produce an environment which destroy VOCs. Performance monitoring will be conducted to verify remedial objectives are achieved.

During excavation, numerous trucks will pass through HPNS and the Bayview area to remove impacted soil and supply clean fill. After Phase II is complete, the existing protective

cover will be repaired where excavation or drilling occurred. For more information, see www.bracpmo.navy.mil/hpns.

Information and Resources

Program Information

For information on cleanup at HPNS contact:

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If you would like to join the HPNS mailing list:

Email: info@sfhpns.com

HPNS Info Line: 415.295.4742

Reports Are Available For Review

City of San Francisco Main Library

100 Larkin Street, 5th Floor

San Francisco, CA 94102

415.557.4400

Navy Website

www.bracpmo.navy.mil/hpns



Excavation removes soil contaminated with metals, PCBs, and organic chemicals



After excavation of contaminated soil is complete, clean imported soil will be used to backfill the site



Drilling of soil borings and construction of monitoring wells for soil and groundwater sampling will help define remedial action areas



Groundwater treatment will use mixing tanks to blend the bioremediation and iron liquids prior to injection into the ground



After bioremediation and iron liquids are injected into the groundwater, regular sampling is performed to monitor the groundwater treatment progress