



FACT SHEET

Hunters Point Naval Shipyard

Radiological Object Decisions: Parcels B and C

August 2024



This purpose of this fact sheet is to provide information on the Navy's decision to perform 100% trench excavations at Parcels B and C as a result of the recent discoveries of a small radiological glass object in Parcel B and a deck marker in Parcel C at Hunters Point Naval Shipyard (HPNS).

Navy Decision to Address Radiological Objects



After thorough analysis of the data and review of work plans, the **Navy has determined that it will excavate 100% of the former onsite sanitary sewer and storm drain trenches in Parcel B and Parcel C.** This decision underscores the Navy's commitment to ensuring the safety and thorough cleanup of HPNS.

For more information, visit the Navy's website (www.bracpmo.navy.mil/hpns) or send an email to Michael Pound, HPNS Base Realignment and Closure (BRAC) Environmental Coordinator (michael.j.pound.civ@us.navy.mil).

Radiological Retesting at HPNS

In late 2017, the Navy determined that past radiological data collected from HPNS was unreliable. To ensure that the cleanup efforts protect public health and the environment, the Navy began to collect new radiological data in 2020.

Since August 2022, the Navy has been actively engaged in Phase 1 of radiological retesting at Parcels B and C. Throughout this process, the Navy has shared information and worked closely with regulatory agencies prioritize public health and safety.

Retesting at HPNS involves comprehensive sampling and analysis of soil from trench excavations, soil borings, and former building areas across HPNS as described in agency-approved work plans.

The approach set forth at all retested parcels involves a phased strategy:

- Phase 1 consists of re-excavation and characterizing all of the soil within 33% of TUs associated with former sanitary sewers and storm drains.
- If contamination exceeding the Record of Decision (ROD) Remedial Goals (RGs) is identified in these Phase 1 TUs, the Navy will re-excavate and test 100% of the remaining TUs in Phase 2. This measure is designed to comply with the remedial action objectives (RAOs) as stated in the ROD and maintain a high level of confidence in the cleanup process.
- If no RGs are exceeded, Phase 2 consists of taking soil borings at the remaining 67% of trenches instead of excavation.

A **trench unit (TU)** is a portion of a former HPNS sanitary sewer or storm drain line.

Decision Criteria

The Data Quality Objective (DQO) for the radiological rework at Parcels B and C states: "100 percent of Phase 2 TUs will be re-excavated if contamination is identified in Phase 1 Trench Units."

- Contamination is defined as "exceedance of the RG that is not attributable to naturally occurring radiological material (NORM) or anthropogenic (*environmental change caused or influenced by people*) background."
- Parcel B and Parcel C Object lab results report radioactivity exceeding the RG and cannot be attributed to NORM or anthropogenic background.

Soil Remediation Goals from HPNS Records of Decision (RODs)

HPNS Parcel	Radionuclide	Residential Soil RG ^a (pCi/g)	Object Analytical Results (pCi/g)
B	Ra-226	1.0 ^b	9,700
C	Ra-226	1.0 ^b	60,000

pCi/g = pico curies per gram

Ra-226 = radium-226

Notes

- All RGs will be applied as stated in the respective Parcel ROD. Analytical results will also be compared to background.
- Ra-226 RG is 1 pCi/g above background.

Parcel B Radiological Object Recovery

In April 2023, a routine surface scan of excavated material from Trench Unit 45B (radiological screening yard [RSY] pad ESU TU-45B) revealed no irregular readings. However, in November 2023, further investigation was required based on data analysis results. A mobile radiation detection system identified an elevated reading at one location on the RSY pad.

Upon investigation, a small glass object, approximately 3/16 inch in diameter, was found about six inches below the surface in loose soil. Static gamma counts and dose-rate readings were collected before the item was securely bagged, labeled, and stored in a locked safe inside a secure trailer prior to being taken for further analysis. Laboratory analysis identified low-level Ra-226 activity associated with the glass object.

The glass object was found in a radiologically controlled area at HPNS that is not accessible to the public, ensuring no risk to the community. The Navy's health and safety protocols effectively protected workers during the

[Click here to read the December 2023 Parcel B Radiological Object Recovery Fact Sheet OR Scan the QR Code.](#)



Scan for Parcel B Fact Sheet

Parcel C Deck Marker Recovery

A routine scan of soil removed from a trench unit on Parcel C in August 2023 resulted in the Navy's discovery of a deck marker. Immediate actions were taken to ensure the safety and proper handling of the marker. The area was promptly marked off for further investigation, and soil samples along with radiological readings were collected.

The deck marker was securely bagged, labeled, and placed in a locked safe inside a secure site trailer before it was sent for further analysis. Excavation logs were meticulously reviewed to trace the origin of the object. Laboratory analysis identified low-level Ra-226 activity associated with the deck marker.

The deck marker was found in a radiologically controlled area at HPNS that is not accessible to the public, ensuring no risk to members of the community during this process. The Navy's health and safety protocols ensured the safety of workers during the recovery and removal of the deck marker.

[Click here to read the August 2023 Parcel C Radiological Deck Marker Recovery Fact Sheet OR Scan the QR Code.](#)



Scan for Parcel C Fact Sheet

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Para más información sobre el programa de limpieza de la Marina en Hunters Point Naval Shipyard, favor de dejar un mensaje en (833) 202-5888.