



# FACT SHEET Hunters Point Naval Shipyard

## Parcel G: Radiological Retesting

October 2018



This is the fifth in a series of fact sheets and other ongoing communications about radiological data review and retesting at Hunters Point Naval Shipyard (HPNS). This fact sheet discusses the Navy's updated plan to collect new radiological data at Parcel G in areas where previous results are in question. This fact sheet also provides an overview of the methods that will be used to conduct the work described in the plan, where the plan can be viewed by members of the public, and how the public can get more information.

### Parcel G Retesting Background

Manipulation of radiological data was verified by a comprehensive evaluation of the data collected by Tetra Tech EC (TtEC). In late 2017, the Navy concluded that radiological data collected by TtEC was unreliable. In June 2018, the Navy published the Draft Parcel G Work Plan to resample the first of the HPNS parcels where questionable radiological data was previously collected.

### Parcel G Work Plan

#### Public Participation

The Navy's cleanup at HPNS follows federal guidance as described in the Comprehensive Environmental Response Compensation, and Liability Act (CERCLA) of 1980, also known as Superfund. Early and meaningful public participation is a critical element of the CERCLA process.

The Navy consistently exceeds CERCLA requirements by communicating in many venues, through a variety of media, including the Navy's web page where program information is available.

One method of public involvement is the review and comment on Navy documents. The Draft Parcel G Work Plan was made available for public review and comment for a 60-day period between June 15, 2018 and August 14, 2018. All comments, questions, and feedback received during this time have been thoroughly reviewed and are an important part of improving the plan in preparation of the Draft Final Parcel G Work Plan.

#### New Data For Accurate Results

Reviews of historical documentation and the radiological data evaluation process determined the areas where new data will be collected. Areas evaluated in Parcel G include former sanitary sewer and storm drain trenches, buildings identified as radiologically impacted according to historical use, and soil areas identified as having possible radiological contamination.

The Navy's highest priority is public health and safety, and is committed to sampling and scanning 100% of areas where data was collected by TtEC, including:

- Former sanitary sewer and storm drain trenches
- Six buildings
- Four former building areas

The Parcel G Work Plan, including maps of sampling areas, is available on the Navy's website at [www.bracpmo.navy.mil/hpnsrc](http://www.bracpmo.navy.mil/hpnsrc).

#### Sampling Methods

Based on the location and material being sampled, the Navy will use different techniques to gather new radiological data at Parcel G, including trench excavations, trench soil

borings, building swipes, building scans, and building area soil collections. (see page 2)

The Navy will also collect accurate background levels at HPNS to use in the analysis of the new data. To achieve this, soil samples will be taken at both on-site and off-site locations in areas that are undisturbed and/or are not impacted by site-related contamination. Additional resources will be used to establish regional background for the greater San Francisco area (for instance, the United States Geological Survey).

### What is "background"?

Naturally occurring substances present in the environment in forms that have not been influenced by human activity, as well as other natural and man-made substances as a result of human activities, are known as "background".

(source: US EPA 540-R-01-003, 2002)

#### Independent Oversight and Review

To objectively verify data collection and results, the Parcel G Work Plan includes several layers of oversight and review.

- Third-party oversight to ensure integrity of data collection
- Analysis of new samples at approved off-site laboratories
- Review of procedures and results by independent experts
- Confirmation samples gathered by regulatory agencies to confirm Navy results

# UNDERSTANDING THE NAVY'S RETESTING PLAN AT PARCEL G

THE NAVY WILL TAKE NEW SAMPLES AND SCANS

AT AREAS EVALUATED BY TtEC

**100% OF TRENCH UNITS**

**100% OF SOIL UNITS**

**100% OF BUILDINGS AREAS**



**~20,000 square meters of building areas** will be scanned and analyzed

### surface swipes

will be conducted with specialized cloths on existing building interiors

### surface scans

will be conducted on existing building interiors and former building sites

### soil scans and samples

will be taken under and/or around current and former building areas

### soil boring samples

will be taken from within and outside of original trench boundaries

### excavated trench soil and material

will be scanned and sampled

**~21,500 cubic yards of soil** will be excavated, including soil beyond original trench boundaries



**~6,900 total soil samples** will be collected and analyzed in approved off-site labs

Additional excavation, samples, and/or scans will be taken if resampling results show contamination

Original Soil

## Soil Scans and Samples

100% of soil areas evaluated by TtEC will be resampled and rescanned

- ◆ Soil from all sanitary sewer and storm drain trenches
- ◆ Soil at three former building sites and in one exposed crawlspace

## Trench Excavations and Borings

100% of former sanitary sewer and storm drain line trench units evaluated by TtEC will be resampled

- ◆ Soil samples taken during excavations and borings of trenches
- ◆ Scans conducted on excavated and soil boring materials

## Building Scans and Samples

100% of buildings evaluated by TtEC will be rescanned and resampled

- ◆ Interior of six existing buildings
- ◆ Concrete pad of one former building

## Parcel G Retesting Timeline



有关海军在猎人角海军造船厂的清理活动方案的更多信息，  
请拨打 (833) 350-6222 并留言。

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.

FOR MORE INFORMATION:

[www.bracpmo.navy.mil/hpnsrc](http://www.bracpmo.navy.mil/hpnsrc)

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