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.

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).

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

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)
Parcel G Retesting Timeline

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluate Data</td>
<td>2016-2017</td>
</tr>
<tr>
<td>Develop Work Plan</td>
<td>Spring 2018</td>
</tr>
<tr>
<td>Receive Comments</td>
<td>Summer 2018</td>
</tr>
<tr>
<td>Finalize Work Plan</td>
<td>Fall 2018</td>
</tr>
<tr>
<td>Begin Fieldwork</td>
<td>Winter 2018/19</td>
</tr>
<tr>
<td>Complete Fieldwork</td>
<td>Summer 2019</td>
</tr>
<tr>
<td>Begin Reporting</td>
<td>Fall 2019</td>
</tr>
</tbody>
</table>

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

For More Information:
www.bracpmo.navy.mil/hpnsrc
info@sfhpns.com
(415) 295-4742

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.

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。
In June 2018, the Navy published the Draft Parcel G Work Plan at Hunters Point Naval Shipyard (HPNS). This Plan is the first step in a comprehensive effort to gather valid radiological data for 100% of the areas originally tested by Tetra Tech EC (TtEC). A Draft Final version is anticipated to be completed in October 2018 and will include updates to reflect regulatory agency and community comments. Accurate data collection and testing will determine whether the site conditions at Hunters Point Naval Shipyard Parcel G ensure that the land is suitable for transfer. The Navy is committed to conducting 100% of needed remediation if remaining contamination is found.

Where can I review the Plan and other documents?

Navy documents, including the Parcel G Work Plan, can be found on the Navy’s website at www.bracpmo.navy.mil/hpns. The Navy also provides documents at the local Information Repositories listed below:

San Francisco Public Library
Government Information Center
5th Floor, 100 Larkin Street
San Francisco, CA 94102

The Shipyard Site Trailer
(near HPNS security entrance)
690 Hudson Avenue
San Francisco, CA 94124

What will the Navy retest at Parcel G?

The Navy is committed to retesting all areas where data was evaluated by TtEC. Areas involved in the retesting include trenches, current and former building areas, and surface soil (under and/or around former and existing buildings). As part of the trench retesting effort, excavations in 33% of the areas previously excavated by TtEC will be conducted. Soil and excavated materials removed from trenches will be sampled and scanned outside of trench excavations in monitored areas. Additionally, the remaining 67% of trench units will be retested. Based on the results, additional evaluation and/or excavations may be conducted.

What oversight will be provided during radiological retesting at HPNS?

The Parcel G Work Plan will include supervision of all fieldwork. Independent contractors will watch, document, and verify that the fieldwork procedures and protocols are followed. In addition, independent review of work plans and reports by Oak Ridge Associated Universities (ORAU) and confirmation sampling and oversight by both Federal and State Regulators will verify the accuracy of data collection and results.

What does “background level” mean?

“Background levels” are amounts of radioactive elements (such as radium) that are found in nature or are present because of other processes not related to the activities of the Navy at the site. Different materials (such as soils or building materials) have varying amounts of these radioactive elements present in them. Because of this, it is important to determine the background amount as a reference for activities at the site.

How does the Navy determine Remediation Goals (RGs)?

The Navy uses regulatory agency and Department of Defense guidance to determine health-protective limits, including background levels and Remediation Goals (RGs). The RGs for Parcel G were developed to ensure final remedies protect human health and the environment.

What kind of public outreach is the Navy conducting?

The Navy is committed to transparency, as evidenced by making documents available for public review in the official Administrative Record, at local Information Repositories, and on the Navy’s website. Informational fact sheets are available electronically and in print, and Navy staff offer presentations at Navy Community Meetings and informational sessions within the community throughout the year. In addition, the Navy provides resources to the community through a Community Technical Advisor, Dr. Kathryn Higley, who can answer radiological health and safety questions. Dr. Higley may be reached by phone at (541) 737-7063 and by email at kathryn.higley@oregonstate.edu. Visit the Navy’s website at www.bracpmo.navy.mil/hpns to learn more.