



Department of
Toxic Substances
Control

*Preventing
environmental
damage from
hazardous waste,
and restoring
contaminated
sites for all
Californians.*



State of California



California
Environmental
Protection Agency

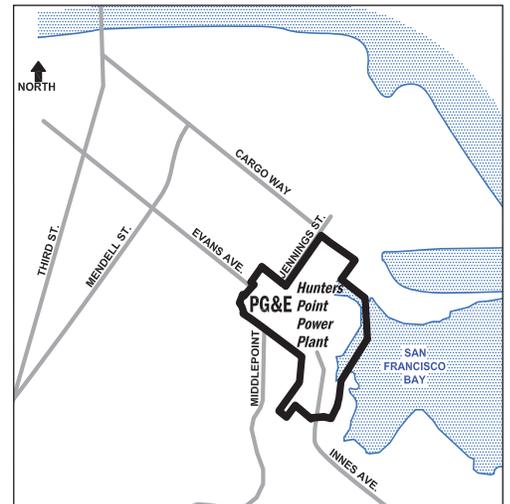
Fact Sheet, February 2010

PG&E Former Hunters Point Power Plant Draft Remedial Action Plan Available for Public Comment

The Department of Toxic Substances Control (DTSC) announces the availability of the Draft Remedial Action Plan (RAP) for the PG&E Hunters Point Power Plant (Site). The Site is located at 1000 Evans Avenue, San Francisco, California 94124. The plant was formerly used to produce power, but in May 2006 it was permanently shut down by PG&E. The Draft RAP is a cleanup plan designed to address contamination in soil, soil gas, and groundwater at the Site. The public comment period for the Draft RAP will run from February 5 to March 8, 2010. DTSC invites you to review and comment on the Draft RAP, which is available for public review at the information repositories listed on page 5 of this fact sheet.

This Fact Sheet Will Inform You About:

- Site History and Background
- Environmental Investigations
- Proposed Cleanup Plan
- Naturally-Occurring Asbestos at the Site
- California Environmental Quality Act
- Next Steps



Public Comment Period and Meeting

Public Comment Period: February 5 to March 8, 2010

DTSC will hold a public meeting for the Draft RAP on February 23, 2010. The public meeting will provide an opportunity for members of the community to ask questions and learn more about the Draft RAP. The public meeting will be held at 6:00 p.m. at the following location:

**Our Lady of Lourdes Church
410 Hawes Street
San Francisco, California 94124**

Public comments can be submitted at any time during the public comment period and at the public meeting, and may be submitted orally, or in writing. Please submit your comments by March 8, 2010 to: Janet Naito, DTSC Project Manager, 700 Heinz Avenue, Berkeley, California 94710. You may also submit comments by email to Ms. Naito at: Jnaito@dtsc.ca.gov.



Site History and Background

The Site is approximately 30 acres, and is located in southeast San Francisco near San Francisco Bay. In the early 1900s the Site was used for ship and barge building. Much of the Site consists of fill material brought in from local source areas from the 1930s through 1949. The first power plant structure was built in the 1920s. In the decades that followed additions and modernizations were made to the power plant facilities. These included adding above-ground storage tanks, steam units, and a gas-fueled turbine used to produce power. The plant shut down on May 15, 2006. All above-ground structures have been dismantled and removed, and below-ground dismantlement is on-going.

Contaminants associated with ship and barge building and power plant activities have been found in soil, soil gas, and groundwater at the Site. They are described in further detail below. Much of the Site is paved and groundwater is not used for drinking or any other purposes. Therefore, DTSC has determined that these contaminants do not currently pose a significant risk to human health. As a precaution, PG&E conducts air monitoring at the perimeter of the Site. DTSC reviews the air monitoring results on a monthly basis and no contaminants have been detected at unsafe levels. A slurry wall (a sub-surface barrier installed during dismantlement of the plant) in Area B protects the Bay from groundwater contamination (see Site Area Map on page 4).

Environmental Investigations

Several environmental investigations have been completed at the Site, including a 1997 Phase I Environmental Site Assessment. A Phase II Site Assessment was completed in 1999 to collect further contamination details. The purpose of the Phase I and Phase II Site Assessments was to learn more about the types of contaminants at the Site, and the possible sources of the contamination. Additional sampling was conducted in 2002, when PG&E investigated areas where former aboveground storage tanks were located. A Remedial Investigation was then conducted in 2007 and 2008 to further characterize the types and extent of chemicals in the soil, soil gas, and groundwater at the Site.

Cleanup goals for contaminants in soil and soil gas were developed to protect human health. The soil gas cleanup goals were designed to protect against indoor-air risk in future buildings from contaminants in soil and groundwater. Since groundwater beneath the Site is not used as drinking water, groundwater cleanup goals were not established. Free-product petroleum hydrocarbons (liquid petroleum floating on the surface of the groundwater) were detected in Areas B and I. Free-product serves as a potential source of ongoing contamination of soil and groundwater. Therefore, this material must be removed. Once removed, additional studies will be conducted to determine whether further remedial actions are needed to protect water quality and animal life in the Bay.

Proposed Cleanup Plan

The Draft RAP proposes a cleanup plan for soil and groundwater contamination at the Site. Since soil gas contamination results from the contamination in groundwater and soil, it will be cleaned up as the soil and groundwater contamination is cleaned up.

The Site has been divided into 10 areas for the cleanup, labeled Areas A-J (see Site Area Map on page 4). The table on page 3 provides a description of each area and what type of contamination exists there. Shoreline and sediment areas (Areas E, F, and G) are not included as part of this Draft RAP cleanup plan but are being addressed in a separate Ecological Risk Assessment that will determine whether or not those areas need to be cleaned up under a separate plan.

The proposed cleanup plan helps ensure that the Site may be used for a variety of purposes in the future, including residential and commercial development. The proposed cleanup plan is described in further detail on page 3 of this fact sheet.

Table: Summary of Site Contamination

AREA	AREA USES/DESCRIPTION	CONTAMINANTS
A	Fuel Storage Tank Farm	Lead, Polycyclic Aromatic Hydrocarbons (PAHs), Arsenic
B	Maintenance, Paint Storage, Hazardous Waste Storage	Groundwater: Free-Product Petroleum, Hexavalent Chromium Soil Gas: Benzene, Ethylbenzene, Tetrachloroethene (PCE), Xylenes, Soil: Total Petroleum Hydrocarbons (TPH), Dioxins/Furans, Polychlorinated Biphenyls (PCBs), PAHs, Lead
C	Main Plant Building, Transformer Area, Waste Diesel Tank	Soil: Lead, PCBs, PAHs, Arsenic
D	Industrial Storage Tank, Waste Water Sump, Plant Operations	Soil: TPH, PAHs, Lead, Arsenic
*E	Shoreline Area	Not addressed by the Draft RAP; ecological study required
*F	Breakwater Area	Not addressed by the Draft RAP; ecological study required
*G	Bay Sediments / Shore Area	Not addressed by the Draft RAP; ecological study required
H	Non-Operational Area	Soil: Lead
I	Fuel Storage Tank Farm	Groundwater: Free-Product Petroleum, Soil: PAHs, TPH, Arsenic
J	Fuel Storage Tank Farm	Soil: PAHs, Lead, Arsenic

***Note:** Will not be addressed as part of the Draft RAP

Proposed Cleanup Plan for Soil

The proposed cleanup plan for soil is to excavate the contaminated soil and dispose of it at permitted offsite facilities. During the excavation, confirmation sampling would be conducted to ensure that soil contamination that exceeds the cleanup goals is completely removed. After it is excavated, soil would be held temporarily in containers or stockpiled at the Site to be analyzed. After the analysis, clean soil would be re-used onsite, and contaminated soil would be transported to an offsite permitted facility for safe disposal. Following the soil removal, the excavated areas would be backfilled with clean fill soil to restore the Site.

Proposed Cleanup Plan for Groundwater

The proposed cleanup plan for groundwater will involve in-situ (in place) treatment, natural attenuation, and monitoring. Active in-situ treatment is planned for Areas B and I, as they are impacted by free-product petroleum hydrocarbons (liquid petroleum floating on the surface of the groundwater). The in-situ treatment will involve injecting a chemical substance into the

groundwater zone to breakdown the contaminants. The groundwater will then be monitored to assess the progress of the in-situ treatment. For the remaining areas of the Site, the proposed groundwater cleanup plan will involve natural attenuation and monitoring. Natural attenuation is the process of contaminants breaking down naturally in groundwater over time.

While the above groundwater cleanup measures are sufficient to protect human health, additional studies will be conducted as part of an Ecological Risk Assessment to determine whether further measures are needed to protect animal life in the Bay. If such measures are needed, a separate plan will be prepared.

Proposed Cleanup Plan for Soil Gas

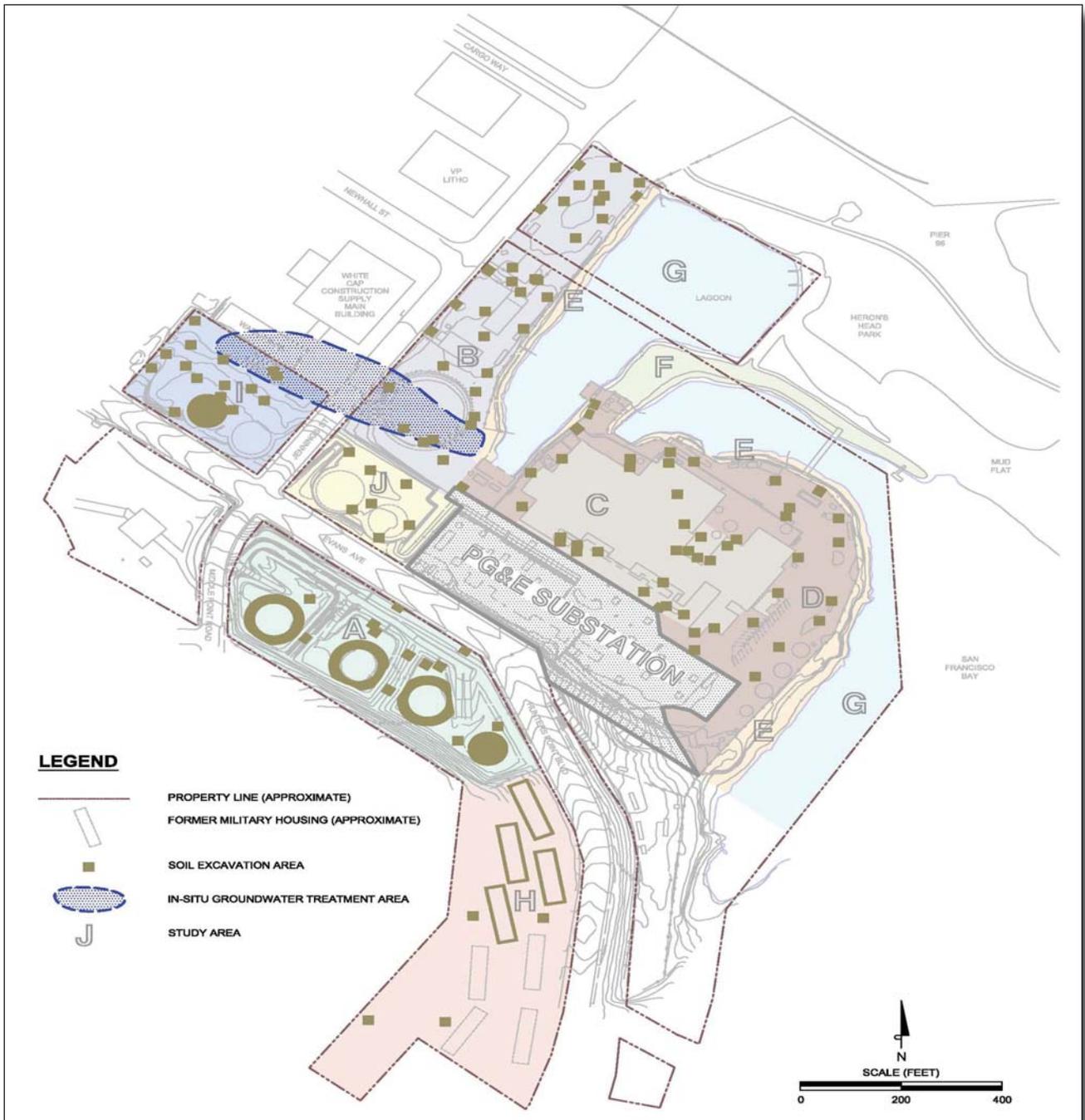
Cleanup of the soil and groundwater contamination will reduce the soil gas chemical concentrations to below cleanup goals. Under the proposed cleanup plan, post-cleanup monitoring would be conducted to ensure that the soil gas cleanup goals are met.

Naturally-Occurring Asbestos

Much of the Site consists of fill material derived from local serpentine rock which contains naturally-occurring asbestos (NOA) and the metals, nickel, chromium and cobalt. NOA is classified by the U.S. Environmental Protection Agency as a known human carcinogen, and it poses a risk to human health when soil containing NOA is disturbed and humans inhale the airborne asbestos fibers.

Typically, NOA-risks are addressed during site development by taking preventive safety

measures and ensuring no soil containing NOA remains exposed when construction is complete (soil containing NOA is covered by building foundations, pavement or clean soil). Preventive measures include spraying water for dust suppression, tire washing, using protective tarps on trucks, and dust-monitoring. Preventive construction safety measures that were part of the plant dismantlement process will continue during the cleanup process. Because Site development plans are not yet known, after the contaminated soil identified in the Draft RAP is removed and clean backfill soil is in place, all exposed areas will



be paved with asphalt to protect against NOA-related risks. This will allow flexibility for potential interim uses until the Site is developed in the future.

California Environmental Quality Act

To comply with the California Environmental Quality Act (CEQA), DTSC prepared an Initial Study to evaluate environmental impacts from the proposed cleanup actions at the Site. DTSC concluded that the project will not have a significant impact on the environment and intends to issue a CEQA Negative Declaration. The draft Negative Declaration is available for public review at the information repositories listed at the end of this fact sheet.

Next Steps

DTSC will not make a final decision to implement the Draft RAP until all public comments have been reviewed and considered. Following the review of the public comments, DTSC will issue a Response to Comments. The Response to Comments is DTSC's formal written response to all comments received and becomes part of the official administrative record. It is available to the public and will be placed in the information repositories listed below.

Information Repositories

The Draft RAP, CEQA Negative Declaration, and other related documents for the Site can be viewed by the public at the following information repositories:

Portola Branch Library
380 Bacon Street (at Goettingen)
San Francisco, CA 94134
(415) 355-5660

A. Phillip Randolph Institute Office
1301 Evans Avenue
San Francisco, CA 94124
(415) 821 4777
Monday -Friday: 9 a.m to 5 p.m.

Department of Toxic Substances Control
700 Heinz Avenue, Suite 100
Berkeley, CA 94710
File Room: Monday-Friday: 8 a.m. to 5 p.m.
Please call for appointment: (510) 540-3800

DTSC's Envirostor website at:
www.envirostor.dtsc.ca.gov/public

DTSC Contact Information

For general project questions, please contact:

Janet Naito
DTSC Project Manager
(510) 540-3833
Jnaito@dtsc.ca.gov

For questions about public participation, please contact:

Marcus Simpson
DTSC Public Participation Specialist
(916) 255-6683, toll free at 1-866-495-5651
MSimpson@dtsc.ca.gov

For media inquiries, please contact:

Carol Northrup
DTSC Public Information Office
(510) 407-4817
Cnorthru@dtsc.ca.gov

Notice to Hearing Impaired Individuals

TDD users can use the California Relay Service at 1-888-877-5378. Please ask for Marcus Simpson at (916) 255-6683.