

U.S. Environmental Protection Agency Petroleum Products Corporation Superfund Site Proposed Plan Cleanup Summary



Pembroke Park, Florida

January 2021

Introduction

The Region 4 office of the U.S. Environmental Protection Agency (EPA) is issuing this Proposed Plan for the Petroleum Products Corporation Superfund Site (the Site) in Pembroke Park, Florida (Figure 1). EPA is issuing this Proposed Plan as part of its public participation responsibilities under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA or Superfund) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). EPA is the lead agency for action at the Site and the Florida Department of Environmental Protection (FDEP) is the support agency. EPA's previous and current actions continue to address all immediate concerns at the storage facility and the Bamboo Mobile Home Park.

This fact sheet summarizes the proposed plan for cleanup and provides instructions for submitting public comments. Due to public health concerns related to the COVID-19 virus, the EPA will conduct the public meeting via a virtual platform. If you would like to request an in-person meeting, please contact L'Tonya Spencer at Spencer.Latonya@epa.gov, and an in-person public meeting will be considered. The public meeting will explain the proposed plan cleanup, comment process, and answer related questions. The EPA has also posted a Proposed Plan video presentation explaining the history of the site, the proposed plan and how to submit comments online at: www.epa.gov/superfund/petroleum-products-corporation.

EPA'S Summary of Proposed Plan Preferred Alternatives

The EPA's Preferred Alternative for OU1, OU2, and interim remedial action (IRA) for OU3 of the Petroleum Products Corporation Site is a combination of the following alternatives (Common Alternatives #1, #2, #3 are applicable to all treatments reviewed and the additional alternatives are for specific source areas):



Join the Virtual Meeting Proposed Cleanup Plan

Tuesday, January 19, 2021

5:00 – 6:30 PM

Register at the following link:

<https://www.eventbrite.com/e/us-epa-petroleum-products-corp-site-proposed-plan-community-zoom-meeting-tickets-132275877711>

Requests for an in-person meeting will be considered. Please contact Spencer.Latonya@epa.gov



We want your comments!

The EPA depends on public input to make sure the concerns of the community are considered in selecting an effective cleanup. The public is encouraged to comment on the documents from:

January 11, 2021

until

February 12, 2021

to

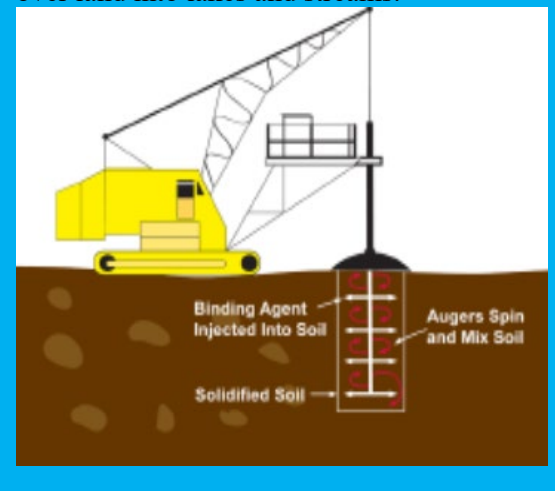
Taylor.Michael@epa.gov

Oneal.Marcia@epa.gov

- **Common Alternative #1:** Excavate (dig up and remove) contaminated soil under one mobile home in the Bamboo Trailer Park;
- **Common Alternative #2:** Possible relocation of businesses, tenants and residents prior to building demolition in the Main Source Area;
- **Common Alternative #3A:** Shallow Soil Excavation Under Buildings– Retain Existing Buildings (**Figure 2**);
- **Unsaturated Zone (UZ) Alternative #4 (0-5 Feet):** In Situ Stabilization/Solidification (S/S), with limited soil excavation, and off-Site disposal;
- **Main Source Area (MSA) Alternative #3 (0-24 Feet):** In Situ S/S with **Large Diameter Augers (LDA)**; including the tearing down of buildings within the Main Source Area;
- **Extended Plume (EP) Alternative #2:** Collect and treat groundwater; and
- **Institutional controls (ICs):** administrative, non-engineering control to inform and prevent exposure to humans: To prevent the consumption of groundwater until the Biscayne aquifer is restored to its valuable use as a sole source of drinking water. IC's may include the following:

- ✓ *The placement of restrictive covenants or acknowledgment of local zoning/ordinances at the Site to limit potential exposure of Site users to the COCs in groundwater.*
- ✓ *Groundwater use restrictions incorporated into local land use zoning or construction permit requirements.*
- ✓ *Public notices.*
- ✓ *Information devices (e.g. Signage at specific cleanup areas).*

In Situ Stabilization/Solidification (S/S)
Solidification and stabilization (S/S) refer to a group of cleanup methods that prevent or slow the release of harmful chemicals from wastes, such as contaminated soil, sediment, and sludge. These methods usually do not destroy the contaminants. Instead, they keep them from “leaching” above safe levels into the surrounding environment. Leaching occurs when water from rain or other sources dissolves contaminants and carries them downward into groundwater or over land into lakes and streams.



As part of the cleanup activities related to the alternatives above, certain residents, tenants and businesses, currently located within the boundaries of the affected areas, may need to be temporarily or permanently relocated. When necessary, relocation of businesses, tenants and residents will take place pursuant to the Uniform Relocation Act, 42 U.S. Code §§ 4601 et seq., and regulations promulgated pursuant thereto at 49 C.F.R. Part 24.

Background

The approximately 7-acre Petroleum Products Corporation Site is located in Broward County Florida, at 3150 W. Pembroke Road, Pembroke Park, Florida at the Pembroke Park Self-Storage. The facility also operated under the names International Petroleum Corporation and the National Oil Service of Florida, Inc. The Petroleum Products Corporation operated from approximately 1957 to 1971 as a processor and broker of waste oil and other petroleum products, including the reprocessing of used oil using a sulfuric acid-clay refining process. This process generated sulfuric acid sludge and spent clay containing petroleum hydrocarbons and metals contamination. The sludge waste and spent clay was presumably disposed on site in excavated unlined pits approximately two acres in size. The operators of Petroleum Products Corporation received other types of hydrocarbon waste containing PCBs and chlorinated solvents which were also presumed to be disposed in the unlined pits.

Public Comment

The EPA relies on public input to ensure the concerns of the community are considered in selecting an effective remedy for each Superfund Site. The public comment period runs from January 11, 2021 through February 12, 2021. The Administrative Record and Information Repository for the Petroleum

Products Corporation Site is located at the Broward County Public Library, 100 S. Andrews Avenue, Level 5, Fort Lauderdale, Florida 33301 and www.epa.gov/superfund/petroleum-products-corporation.

The EPA will host a virtual public meeting on January 19, 2021, from 5:00 p.m. until 6:30 pm. If you are interested in participating in the virtual meeting, please use the following link to register for the virtual meeting: <https://www.eventbrite.com/e/us-epa-petroleum-products-corp-site-proposed-plan-community-zoom-meeting-tickets-132275877711> or e-mail Spencer.LaTonya@epa.gov. If you desire an in-person meeting, please contact Spencer.Latonya@epa.gov and an in-person meeting will be considered. Representatives from EPA will present the details of the Proposed Plan to address the environmental impacts at the site and answer any questions the public may have regarding the preferred cleanup. You may also email your comments to the Remedial Project Management (RPM) for the site at Taylor.Michael@epa.gov/ or Oneal.Marcia@epa.gov. If you prefer to submit written comments, please mail them, postmarked no later than February 12, 2021, to Michael Taylor/Marcia Nale, U.S. EPA, Superfund & Emergency Management Division, 61 Forsyth Street, SW, 11th Floor, Atlanta, GA 30303.

After EPA has received comments and questions submitted during the public comment period, EPA will summarize the comments and provide responses to all questions and comments in the Responsiveness Summary, which will be part of the Record of Decision (ROD). The ROD will select the final remedial action and will provide the basis of the cleanup selection.

Figure 1: Site Location Map

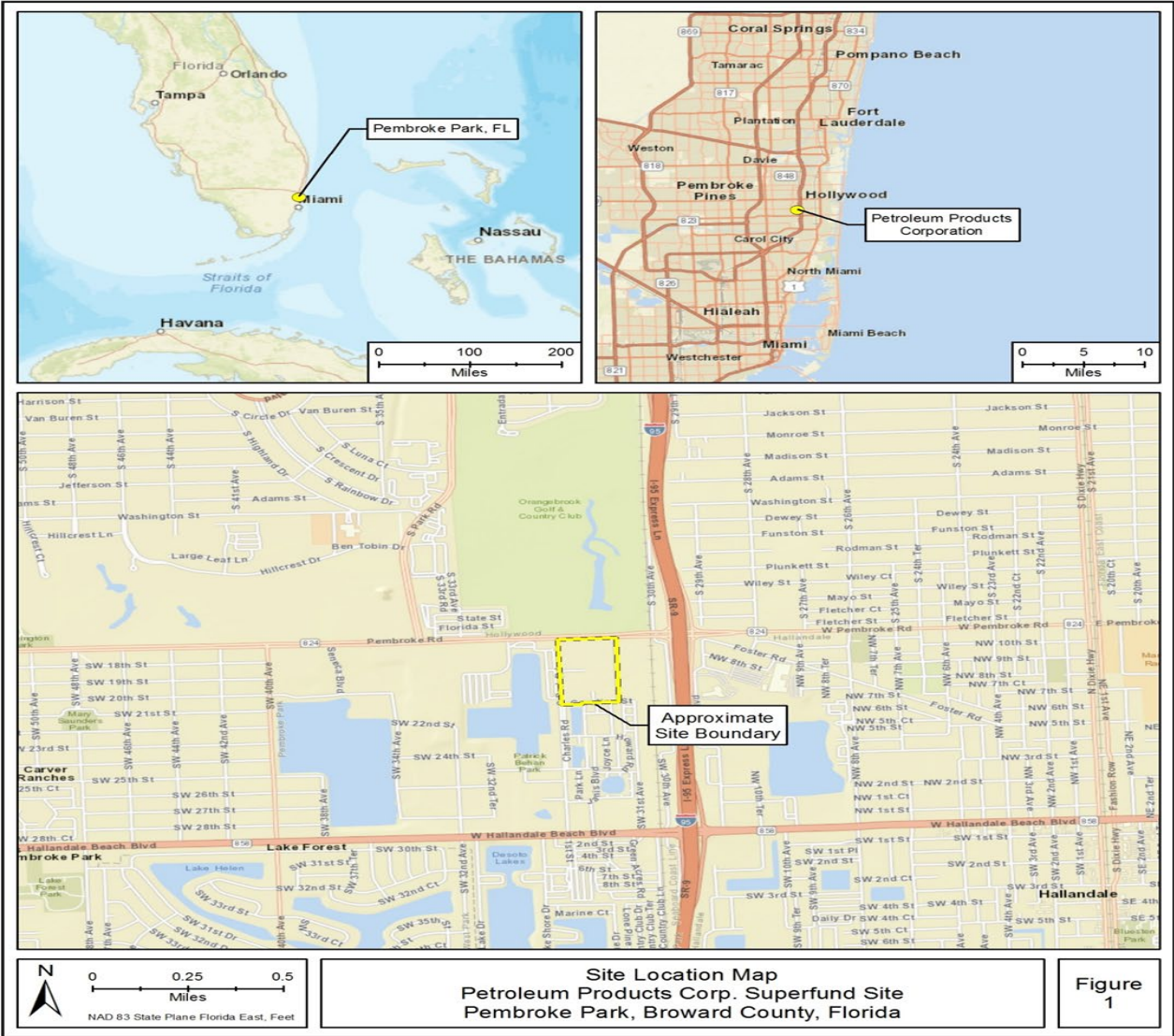
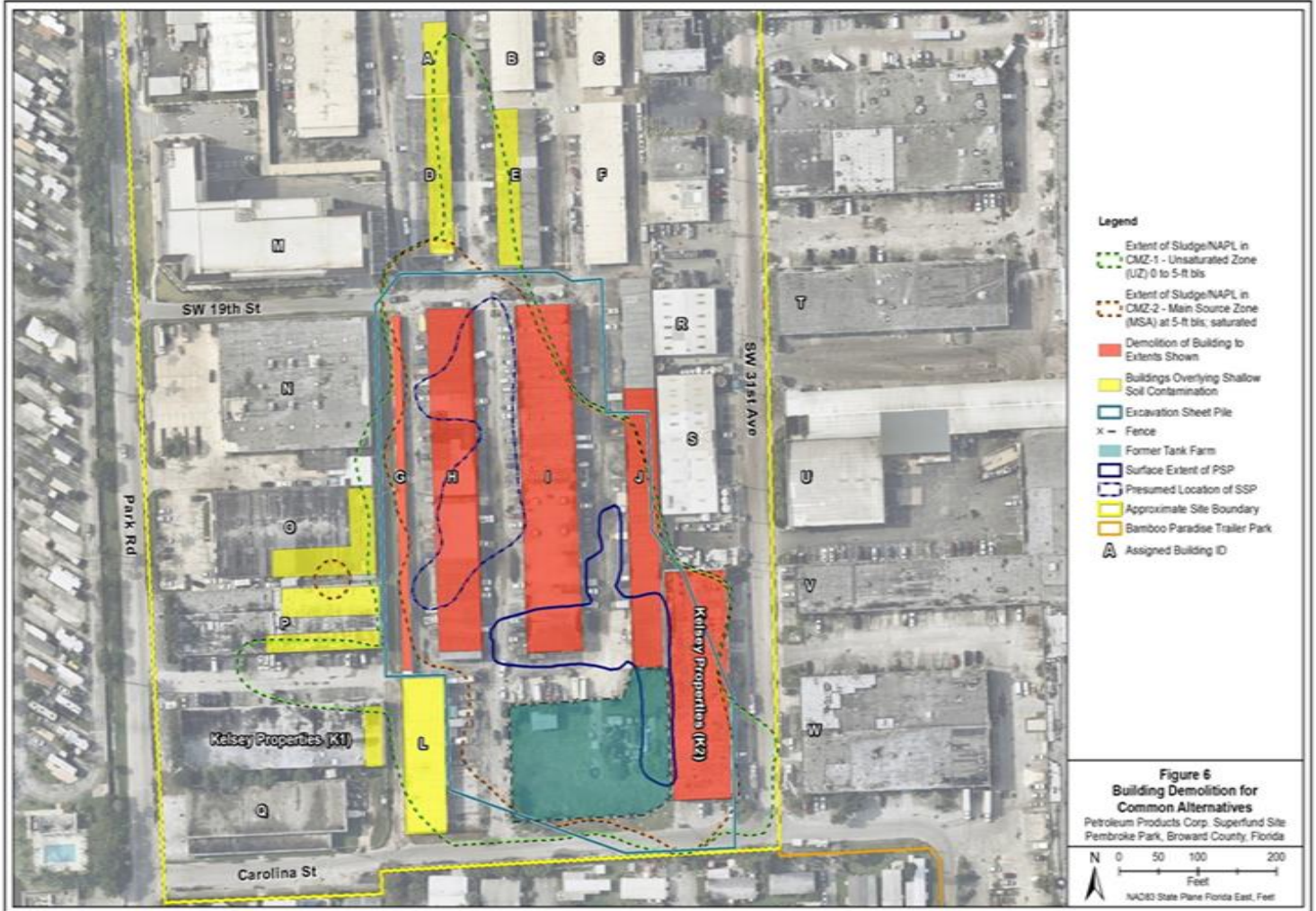


Figure 2: Proposed Plan Alternatives



FOR ADDITIONAL INFORMATION & CONTACTS



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 Killian Talley
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EPA Community Involvement Coordinator
 L'Tonya Spencer-Harvey
 (404) 562-8463
Spencer.LaTonya@epa.gov

Information Repository
Broward County Public Library
 100 S. Andrews Avenue, Level 5
 Fort Lauderdale, Florida 33301

www.epa.gov/superfund/petroleum-products-corporation

Name _____
Address _____
City _____ State _____ Zip _____

Place
Stamp
Here

Michael Taylor/Marcia Nale, Remedial Project Manager
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Superfund & Emergency Management Division
61 Forsyth St., SW
Atlanta, GA 30303



United States Environmental
Protection Agency
Region 4
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