



The U.S. Environmental Protection Agency
The Maryland Department of the Environment
April 2021



Project Fact Sheet

Trade Point Atlantic (Sparrows Point) Baltimore, Maryland

Background

The U.S. Environmental Protection Agency (EPA) and the Maryland Department of the Environment (MDE) are overseeing the investigation, remediation, and redevelopment of the Trade Point Atlantic (TPA) facility formerly called Sparrows Point Terminal (SPT). The work at the Facility is governed by a Settlement Agreement (SA) between EPA and SPT, pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), the Resource Conservation and Recovery Act (RCRA) and a Consent Decree (CD) amongst EPA, MDE and prior owner Sparrows Point LLC (SPLLC), under RCRA and State authorities. SPT has also signed an Administrative Consent Order with MDE and has entered the entire property into the Voluntary Cleanup program. The SA was developed to govern TPA's assumption of the environmental investigation and remediation measures at the site while it redevelops the Facility. Meanwhile, prior redeveloper/owner SPLLC has assumed the remaining obligations under the CD and the offshore area has been deferred from EPA's RCRA Corrective Action Program to the CERCLA Program. The SA does not require SPT to perform any offshore work.

Facility Update

This Fact Sheet provides information on RCRA site investigation status and activities performed from October 2020 – March 2021, and activities planned for the remainder of 2021.

1. Phase II Work Plans

The Agencies have received Phase II Work Plans with proposed soil, groundwater and soil gas sampling points based on the location of potential releases from historical processes conducted at that parcel and sufficient additional sampling locations to provide coverage of the entire parcel. The Agencies have approved or are currently reviewing these work plans. Since the Agency's September 2020 public meeting, work plans for the following areas have been reviewed:

Area A Parcels

- A-1 Remnant Area

Area B Parcels

- B-13 Supplemental Investigation Area

In addition to the Phase II Work Plans, the Agencies review and approve targeted soil and groundwater sampling plans if results from the initial investigations warrant further work. These plans are submitted as necessary and vary in scope and focus (e.g., delineation of non-aqueous phase liquids (NAPLs) or elevated metals).

2. Phase II Investigation Reports

Upon approval of the Phase II Work Plan, field work can begin at the Parcel. Once the field work is completed and the data is validated, an Investigation Report summarizing the sample results is submitted for the Agencies for review. The following new Phase II Reports have been submitted to the Agencies for review:

Contact and Resource Information

Please direct any questions about this project to either:

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Additional information can be found at:

[EPA RCRA Program - Trade Point Atlantic](#)

[EPA Removal Program - Trade Point Atlantic](#)

[MDE Hazardous Site Information-TPA](#)

[MDE Voluntary Cleanup Program- TPA](#)

Area A Parcels

- A-14
- A-17
- A-18

Area B Parcels

- B-7 (County Transfer Property)
- B-7/B25
- B-9 (Former Penwood Power Plant)
- B-11
- B-24

3. Response and Development Work Plans

This process ensures that redevelopment occurs in a way that protects human health and the environment. The Agencies have approved or are currently reviewing these work plans, submitted after the September 2020 public meeting:

Area A Parcel

- A8-2 Addendum
- A10-1 Addendum
- A11-2

Area B Parcels

- B4-2
- B6-4
- B22-2

4. Other Updates

I. Tin Mill Canal

Remedy Implementation of the Tin Mill Canal (TMC) was completed in February 2021. The TMC is a constructed swale that currently serves as a conveyance for stormwater runoff and groundwater base flow from an approximately 800-acre local drainage area on the Sparrows Point site and stormwater runoff from an approximately 320-acre off-site residential area. The cleanup effort generally included removal and dewatering of sediment, cleaning of outfalls, disposal of non-hazardous sediments at Grey’s Landfill, and placement of a cap.

II. Parcel B13 – Naphthalene Contamination (Odor Concerns)

MDE began receiving complaints of mothball-like odors emanating from the Sparrows Point Site in May 2019. It was determined that an area of naphthalene contamination was exposed during slag reclamation activities occurring within Parcel B13, located directly south of the Penwood Canal and west of Old Road Bay. Slag processing was immediately halted in the naphthalene contaminated area and clay material was used to cover an exposed cut face that exhibited significant odors. To mitigate remaining odors emanating from recently processed slag piles, MDE approved and observed the placement of Posi-Shell, an environmental coating, to cover the piles until a plan could be developed to handle the material while minimizing the risk of mobilizing naphthalene vapors. The Posi-Shell has continued to be applied to piles as needed to maintain the integrity of the coating. The Agencies are currently working with TPA to identify the most effective method for handling the processed slag piles. Additional soil delineation has recently been completed to determine the extent and severity of naphthalene contamination that remains in place within the historic slag stockpile area, south of the temporarily capped cut face. A CMS Work Plan for this area is currently under review. The Agencies have committed to and will be notifying the public when a plan has been approved to manage both the processed slag piles and remaining unprocessed slag material located within Parcel B13. This notification will be provided to neighboring community associations prior to any work being conducted in these areas.

III. Corrective Measure Study – Rod & Wire Mill, Coke Oven and Site-Wide Groundwater

On February 1, 2021, the Agencies approved three Corrective Measures Studies (CMS) work plans: one for the Coke Point Area groundwater, one for the Rod and Wire Mill groundwater, and one for remaining site-wide groundwater outside the Coke Point and Rod and Wire Mill areas.

The agencies anticipate issuing a Statement of Basis detailing a proposed remedy for the site-wide groundwater outside of the Coke Point and Rod and Wire Mill areas by September 30, 2021. The agencies also anticipate that the CMS Report will be submitted for the Coke Point by September 30, 2021. For Rod and Wire Mill, the agencies expect the CMS Report by September 30, 2022, or sooner, based on the results of a treatability test. Proposed remedies for those areas will follow soon after the CMS Reports. The Interim Measures for Rod and Wire Mill and the Coke Oven Areas will continue to operate during the Corrective Measures Study that is being conducted to evaluate remedial alternatives and develop a recommended final remedy for groundwater.

IV. CMS – Parcel B22 – Former PORI Lagoon Area

In December 2020, the Agencies required a CMS be submitted to address contamination present in the former PORI Lagoon located in the northern area of Parcel B22. Excavation and removal of impacted sediments within the lagoon was conducted and low-permeability capping will be installed, concurrent with development ongoing on Sub-Parcel B22-2. Areas downgradient of the PORI lagoon will be subject to a long-term groundwater monitoring plan.

IV. Parcel B-14 - Humphrey's Impoundment

Humphrey's Impoundment, identified as Parcel B-14, is located to the north of the Humphrey's Wastewater Treatment Plant. Historically the impoundment was used as a dewatering area for on-site sludges and slurry materials generated from various areas on-site. Results of the Phase II Investigation identified widespread NAPL impacts throughout the former impoundment. The Agencies have recently requested a CMS be submitted to address the issues identified within the Phase II and follow up Pre-Design Investigation (PDI) Report.

V. Offshore

The EPA Region 3 Superfund program and Maryland Department of the Environment are continuing to evaluate the best approach for taking necessary action (s) to protect human health and the environment in the Offshore area.

