



YARDS COMMUNITY SPOTLIGHT

2022 Q3 NEWSLETTER

BACKGROUND ON REMEDIAL ACTIVITIES

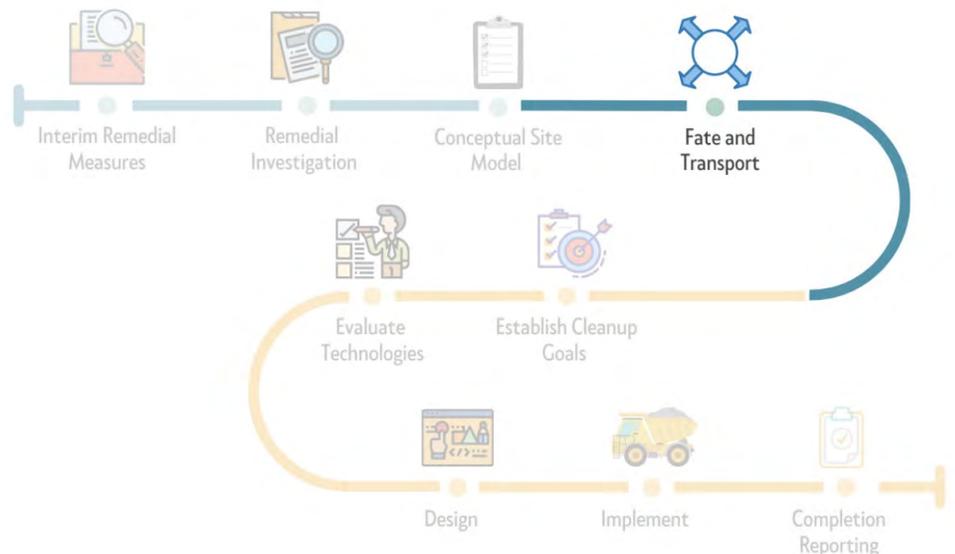
The former Philadelphia Refinery is a 1,300-acre site located in South Philadelphia along the Schuylkill River. The site, now known as the Bellwether District, has a long history of petroleum transportation, storage, and processing. Evergreen is working to remediate the former refinery site for contamination that happened before 2012. This remediation takes place under various regulations of the Pennsylvania Department of Environmental Protection (DEP) and the U.S. Environmental Protection Agency (EPA):

- 1. DEP's Land Recycling Program (Act 2)**
- 2. EPA's Resource Conservation and Recovery Act (RCRA)**
- 3. EPA/DEP's One Cleanup Program**
- 4. DEP's Storage Tank and Spill Prevention Act (Tank Act)**

Recent Activities

1. May 2022 Quarter 2 Meeting

On May 24, 2022, Evergreen and their consultants, Stantec and Hummingbird, hosted a public meeting on groundwater contaminant Fate and Transport. During the meeting, Tiffani Doerr of Evergreen gave participants a refresher on Evergreen's remediation activities and Act 2 Technical Submittals for 2022. Next, Jenny Kachel of Stantec gave a presentation on Fate and Transport basics and how it relates to the remediation process. Once complete, participants asked questions based on the Fate and Transport overview.



Remediation Process diagram shared during the May 2022 meeting

After questions and answers (Q&A) on the basics, Andrew Klingbeil of Stantec presented Fate and Transport Site information, which included:

- **The geology model**
- **Groundwater flow**
- **Climate resilience**
- **Sitewide fate & transport RIR - what to expect**
- **Future work**

The meeting ended with another Q&A session, a short presentation of the upcoming and ongoing engagement activities, and closing remarks.



JOIN US!

Open House Public Meeting

Tuesday, September 13, 2022
5:30 - 7:00 PM

 **John Heinz National Wildlife Refuge**
(8601 Lindbergh Blvd.)
A virtual option will also be provided.

Topics will include:

- Vapor intrusion process
- Vapor sampling equipment
- Site-specific information

Let us know if you will be there.

Register online:
bit.ly/Evergreen_Q3publicmeeting

Or by text message:
(267) 490-3445



TO REQUEST REASONABLE ACCOMMODATIONS, CONTACT:
HUMMINGBIRD AT (267) 490-3445.

If you did not have a chance to attend the May 2022 meeting, we invite you to watch the recording, which is [available on Evergreen's website](#). Our next public meeting is scheduled for Tuesday, Sept. 13, 2022. Register at bit.ly/Evergreen_Q3publicmeeting. This will be our first in-person meeting since the COVID-19 pandemic, and we hope to see you there!

2. PFAS Updates

One of the materials that Evergreen is testing for in the subsurface is PFAS, which stands for perfluoroalkyl and polyfluoroalkyl substances. PFAS are man-made chemicals that are found in a variety of products ranging from cookware to firefighting foam. To learn more about PFAS, visit [EPA's webpage](#).

PFAS data collection was completed in June 2022 to assess PFAS in the soil of the former Philadelphia Refinery site. The PFAS soil data collection is complete and will be on the website soon.

3. Public Comments

Evergreen has received public comments for the Fate & Transport and Ecological Risk Assessment reports. Responses to these comments have been submitted to the EPA and DEP and [posted to the website](#).

4. Unit Sampling

Hilco Redevelopment Partners' (Hilco's) demolition of the processing units at the former Philadelphia Refinery has allowed Evergreen to conduct soil sampling in areas they could not previously reach. With the processing units removed, Evergreen can now get soil samples not included in past remedial investigation efforts. The soil sampling will provide subsurface data, or more information about the soil at or below the surface. Currently, Evergreen has two units remaining to be sampled. Once sampling is complete, soil sampling results will be submitted to DEP and EPA in a Remedial Investigation Report Addendum.

5. Email Address Update

To submit your comments to Evergreen, please use the following: PhillyRefineryCleanup@evergreenresmtg.com.

Future Highlights

Small Group Chats

Evergreen and Hummingbird invite the public to take part in Small Group Chats, where residents and stakeholders can provide input on communication materials and ask questions about Evergreen's environmental program. The Small Group Chats cover three main areas:

- Understanding of Evergreen's remediation work
- Concerns about Evergreen's remediation/cleanup of the former Philadelphia Refinery site
- Communication needs and preferences

So far, Hummingbird and Evergreen have met with members of Philly Thrive and representatives of the United South/Southwest Coalition. Please let us know if you are interested in participating in a Small Group Chat by calling or texting us at (267) 490 - 3445.

Air Quality and Vapor Intrusion - In-person Q3 Meeting

Evergreen and its consultants are excited to host their first in-person meeting since the COVID-19 pandemic. At this meeting, there will be a variety of stations with representatives from Evergreen, Stantec, Sanborn Head, and Hummingbird. These stations will cover:

- General vapor intrusion process
- Site-specific information
- Fate & transport follow-up
- Community involvement

Participants will have the opportunity to walk to each station to learn and ask specific questions related to the various topics. [Register here](#) for the in-person meeting or the virtual option.

Key Terms (Air Quality & Vapor Intrusion)

- **Air Quality:** A measure of how much pollution is in the air
- **Ambient Air:** The part of the atmosphere found outside
- **Indoor Air:** The air inside a building or structure
- **Vapor:** A gas or moisture in the air
- **Vapor Intrusion:** The movement of chemicals that form vapors from contaminated groundwater or soil into a building that sits on top of the contaminated groundwater or soil



To learn more, visit phillyrefinerycleanup.info



Sign up for email updates at <https://phillyrefinerycleanup.info/contact-us/>



Sign up for text updates, text "Updates" to (267) 490-3445