

# **Welcome**

## **85 Willow Street Project Community Information Session**

***Please Sign In***

# Site History of Ownership and Use

**1917–28** Standard Bleachery,  
Textiles manufacturing.

**1928–31** Flintkote Company,  
Roofing material manufacturing.

**1931–68** Shell Eastern  
Petroleum, Bulk storage for  
petroleum tar (bitumen).

**1968–2018** Bell Atlantic  
(later Verizon New Jersey),  
Dispatch center.

**2018–2021** Lascari & Leone  
• PSE&G laydown area.

**2021** PSE&G



*85 Willow Street Site in 1961*

# 85 Willow Street



# The Regulatory Process

**Since 2016, Shell has actively worked to investigate the environmental impacts at the site.**

- There are five primary phases of site investigation and remediation. Activities in support of the various phases can sometimes overlap or be implemented at the same time.
- All work is performed with approval of the New Jersey Department of Environmental Protection (NJDEP) and under the guidance of a Licensed Site Remediation Professional (LSRP).

## Primary phases of site investigation and remediation

Site  
Assessment

Remedial  
Investigation

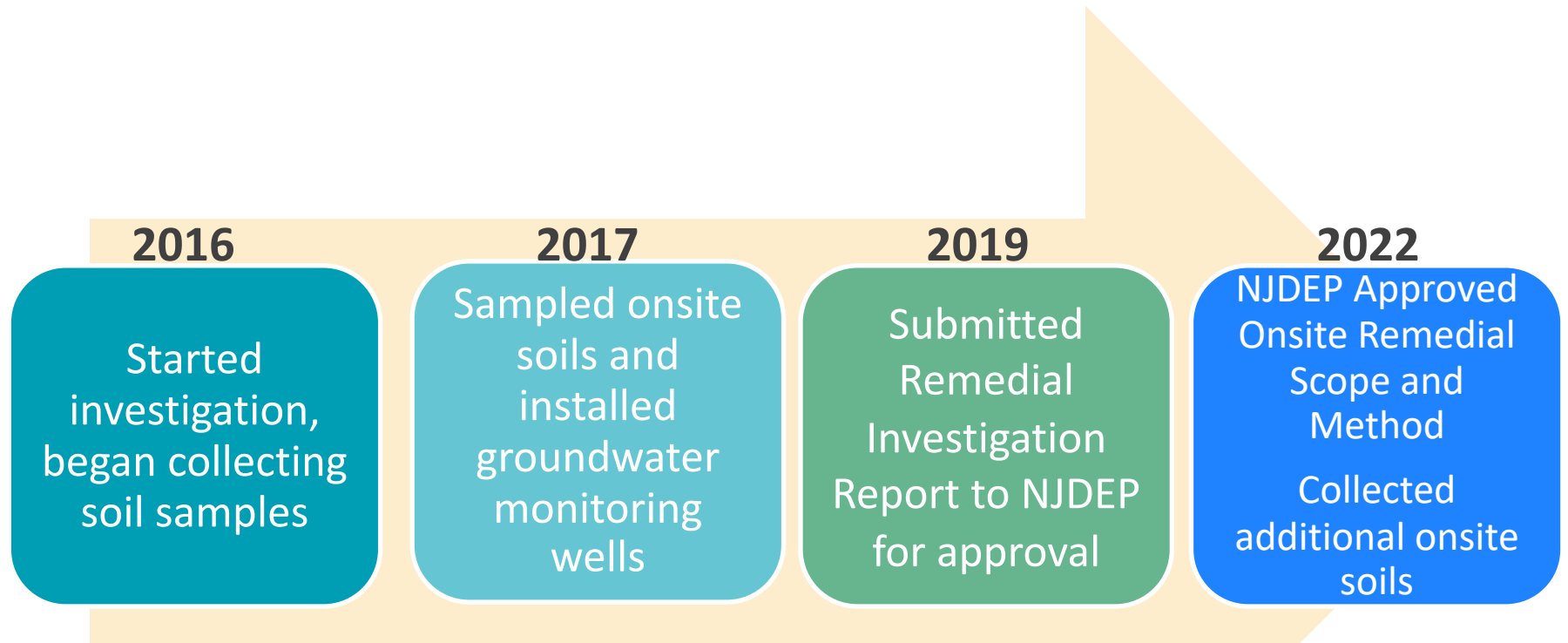
Remedial Action  
Work Plan

Remedial  
Action

Site Closure &  
Monitoring



# Shell Remedial Investigation to Date



- **Primary focus of the Investigation:** Impacts to soil by petroleum tar (bitumen) resulting from Shell's former use of the Site for petroleum bulk storage.
- **Other constituents of concern:** Polycyclic aromatic hydrocarbons.

# Project Overview

Remove all asphalt and approximately 16,000 cubic yards of soil.

Replace with certified clean fill.

Cover entire property with ¾-inch stone.

Impacted soil ranges between 1 - 13 feet below ground surface based on soil sampling results.



Area numbers are for identification purposes only. **Areas may not be remediated in sequence.**

# Project Timetable – Duration ~ 3 Months

## **Begin Site Prep**

Mid- June 2022

## **Perform Excavation**

Early July – August

## **Restoration Ongoing**

July – September

## **Complete Demobilization**

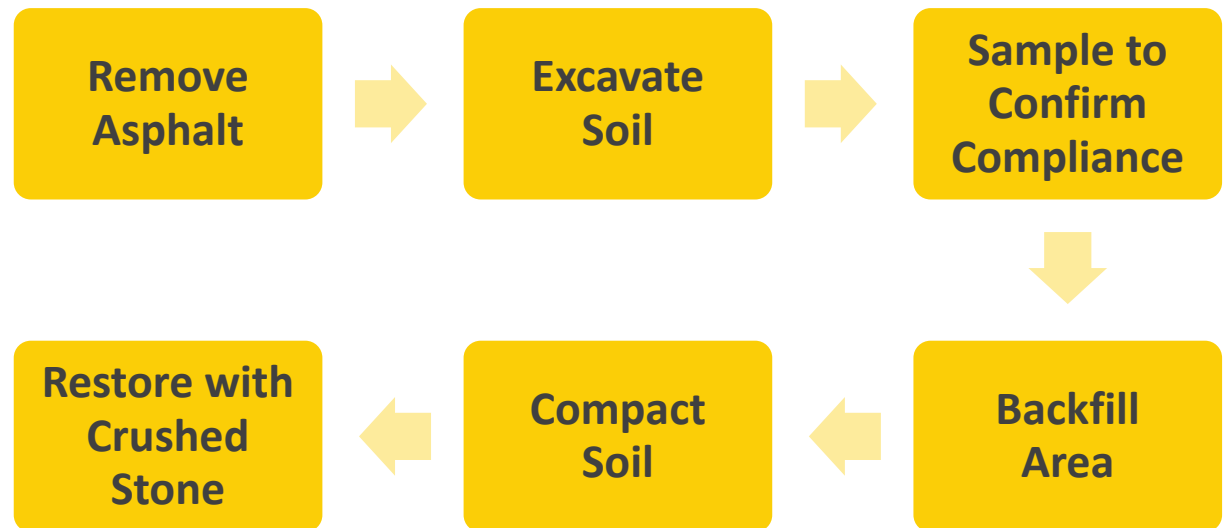
September

## **Work Hours**

M–F, 7 am – 6 pm

No excavation work on weekends or holidays

- Work will be performed in a phased approach to limit the extent of the open excavation area.
- More than one area may be in progress at the same time.



# Safety Is Priority #1



- ❑ Health & Safety Plan
- ❑ Dedicated Safety Officer
- ❑ Property Protection Plan
- ❑ Daily Safety Meetings to Review the Day's Activities



# What Is Bitumen?

## What is bitumen or petroleum tar?

Bitumen is a petroleum-based material known for its waterproofing and adhesive properties. It is usually black or dark brown in color and can be in a solid or liquid form.

## What is it used for?

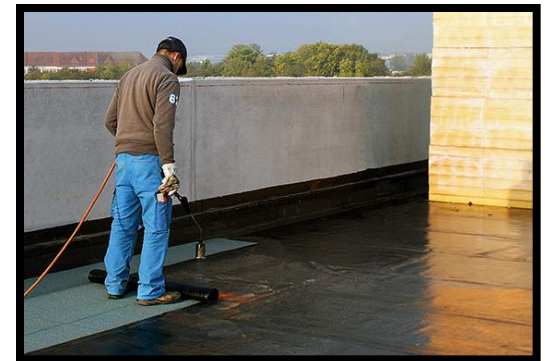
Bitumen is used for binding stones and sands and producing asphalt for road construction. It also has been used for waterproofing products such as roofing felt and boats. The versatility of bitumen has made it one of the most highly demanded construction materials in the world.



*Raw Bitumen Sample*



*Similar to look and feel of asphalt tar used on roadways*



*Used for waterproofing*

# Site Restoration

- Clean fill and gravel installed.
- Permanent, screened fencing installed around site boundary.



Remediated areas will be backfilled, compacted and graded to existing elevation.



Fence height and screening material will meet PSE&G specifications.

*Actual material used may be different than what is shown in photo.*

# Traffic Control Plan

- Enter & exit via Willow St.
- Remainder of route to use state and county roads only.
- Route reviewed by East Rutherford Police.
- No staging on Willow St.
- Most trucks turn right on Patterson Ave.





# What You Can Expect to See

## Site Preparation

### Some Tree Removal at Perimeter

With permission of property owners, trees that encroach on the Site will be removed for the safety of workers and neighbors and to allow required soil removal.



Trailers for temporary office space.





## What You Can Expect to See

# Installation of Surface Water Protections

Controls along the site's perimeter and at nearby storm drains will be established to inhibit rainwater from carrying soil and sediment off the project site.



## What You Can Expect to See

# Groundwater Controls

- Dewatering will occur to reach safely impacted soils below the water table ~ 5 feet below ground surface.
- Once treated with activated carbon, groundwater will be piped to the Bergen County Utilities Authority for further treatment and disposal.





## What You Can Expect to See

# Controlled Soil Removal and Street Protections

- Excavated soil will be trucked to licensed facilities where it will be treated for beneficial reuse or proper disposal.
- Trucks wheels will be washed and the trailer covered before exiting the Site.
- Trucks will be covered before leaving the Site.
- A street sweeper will be used as needed by the Site entrance and exit on Willow Street.



# Completing Delineation

**Shell is required to define the horizontal and vertical extent of impacts to soil from its former operations.**

- Where petroleum tar (bitumen) is found at the property line, Shell will work with adjacent property owners to sample their property soil.
- If possible, sampling will be done while the current phase of work is underway.
- If offsite impacts to soil are found, the method of remediation would be designed to meet the requirements of the NJDEP.
- Future work would be performed with the consent of the property owner.





# Minimize Community Impacts

Plans and protections are in place to help:



## Minimize dust:

- Water mist and a water truck.
- Tarps for stockpiles and trucks.

## Dampen sound:

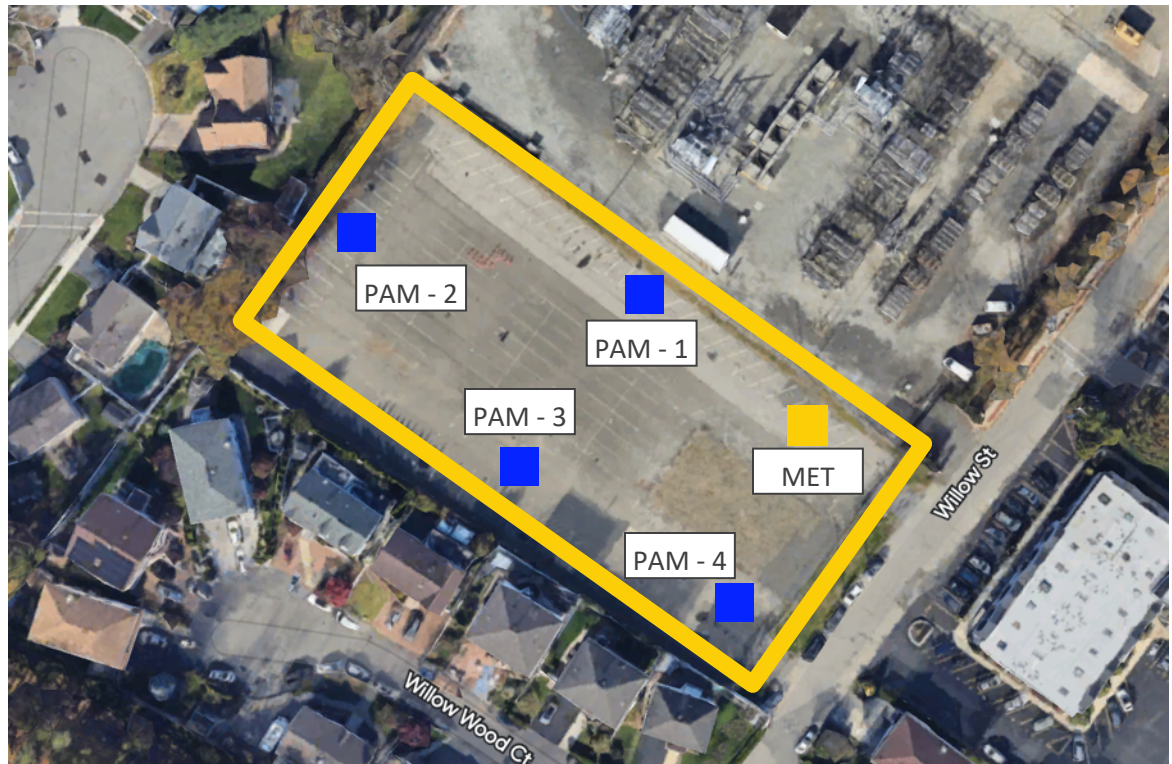
- Sound dampening blankets between the Site and adjacent residents.



# Perimeter Air Monitoring Program

**Monitors are placed between work and people and will move as the work moves.**

- Committed to protecting health of neighbors.
- Four air monitors with full-time technician. One weather station (MET) to determine wind direction and other variables.



# Minimize Community Impacts

## Mitigating Odors Typical of Tar

Odors associated with some constituents can often be detected at levels that are well below what would be considered a health concern and often below what can be detected by an air monitoring instrument.

While the project team is committed to minimizing them, odors similar to fresh asphalt may at times persist.

If encountered, we are prepared to suppress odors using odor suppressant foam.





# Additional Monitoring Measures

## Protecting nearby structures

A pre-construction assessment of nearby structures on adjacent properties, where allowed by the owner, have been performed to document existing conditions as a protection for homeowners should a concern arise.

## Vibration monitoring

- Following a project specific plan developed by a third-party vibration expert.
- Will monitor offsite vibrations using remote seismographs placed between the work site and the nearest offsite structures.



Remote Vibration Monitoring Station



## **Our Commitment to the Community**

- Safety is Priority #1.
- Be Proactive – We will work with neighbors to minimize impacts and protect neighboring properties.
- Keep the Borough and neighbors informed.
- Complete remediation in accordance with the regulations of the State of New Jersey.
- Satisfy PSE&G's requirements for site restoration.

# Commitment to the Community

Shell is committed to keeping the site's neighbors and the Borough of East Rutherford informed of our plans and activities

- Issued Public Notification mailing on August 16, 2022
- Hosted webinar on October 26, 2022 and in-person Community Information Session on June 15, 2023
- Keep neighbors updated through mail, flyers and door-to-door visits
- Maintain project website
- Continue to provide regular project updates to Borough officials

**An Overview of the Shell 85 Willow Street Site Remediation and Restoration Project**

**Focus of the Remediation**  
The focus of the current remedial work is to address impacts to soils at 85 Willow Street, which were found in the subsurface soil and groundwater at the Site.  
Shell's environmental contractor will remove approximately 16,000 cubic yards of impacted soil and replace it with clean fill. Depending on impacts,

**85 Willow Street – Project Site**  
**Site History**  
Equilon Enterprises LLC d/ba Shell Oil Products US (Shell) is conducting an ongoing environmental investigation and remediation of impacts to soils and groundwater at 85 Willow Street (Block 24.03, Lot 35).  
In 1995, Bell Atlantic (now known as Verizon New Jersey) began the initial environmental investigation and remediated two areas of concern. A third area is the responsibility of Shell Eastern Petroleum, which owned the Site from 1931 – 1968 and operated it as a bulk storage facility for tar (consisting of bitumen material commonly used in asphalt, sealant, roofing and waterproofing tar commercial products). PSE&G purchased the property in 2021 and is not responsible for the Site's remediation.  
Since 2016, Shell has been conducting an ongoing investigation of impacts to soil by tar and polycyclic aromatic hydrocarbons or PAHs. This work is in accordance with the rules and regulations of the New Jersey Department of Environmental Protection (NJDEP) and under the oversight of a Licensed Site Remediation Professional.

**Community Information**  
Location: Former American Legion Post, intersection of Willow Street and Grove Street  
Time: 4:00 PM - 6:00 PM  
Members of the project team will be available.

**85 Willow Street Site Remediation and Restoration Project**  
Welcome to the website for the remediation and restoration project at 85 Willow Street in East Rutherford, NJ. Equilon Enterprises LLC d/ba Shell Oil Products US (Shell) is conducting an ongoing environmental investigation. Mobilization of equipment and site preparation is expected to begin in mid-June 2023 and soil removal will begin in July. All work and restoration is expected to be completed in September 2023.  
The purpose of the remediation is to remove impacted soils and replace it with clean fill at depths between 1 to 53 feet below ground surface onsite.  
This work is anticipated to take approximately 3 months to complete, from mobilization through restoration.

**85 Willow Street Project Site**

**COMMUNITY INFORMATION SESSION SCHEDULED FOR JUNE 15, 4-6 PM**  
Starting in early July Equilon Enterprises LLC d/ba Shell Oil Products US (Shell) will begin excavation at 85 Willow Street (Block 24.03, Lot 35) in East Rutherford to remediate soils impacted by its former operations. Site preparation will begin in mid-June.  
Work at 85 Willow Street, including restoration, is expected to be completed in September 2023.  
Please join us Thursday, June 15<sup>th</sup>, anytime between 4-6 p.m.  
333 Grove Street Community Center (formerly the American Legion building on the corner of Clinton Pl. and Grove St.)  
There is no formal presentation or set agenda.  
Please feel free to arrive at any time. Maps and graphics will be available for review and members of the project team will be on hand to answer questions and provide information about what to expect during the work.  
• A recording of the October 2022 Virtual Community Information Session is available on the Community Outreach page.

**LATEST PROJECT NEWS**  
Project Update – Week of June 12, 2023  
Project Update – Week of January 30, 2023  
Project Update January 18, 2023  
Project Update December 14, 2022

**ARCHIVED UPDATES**  
Select Month

**INFORMATION & RESOURCES**  
Community Information Session Flyer: June 15, 2023  
Flyer 1-18-2023  
Flyer 12-1-2022  
Project Fact Sheet - Updated May 2023  
Oct. 26, 2022 Webinar Slides  
Webinar Flyer  
Planning Board Slides - September 2022  
Notification Letter August 2022  
a) Public Safety Data Sheet

## Keeping You Informed

❖ Questions or concerns? Please contact us directly.

Willow Street Project Call Line: (201) 494-4886

Email: [comments@willowstreetproject.com](mailto:comments@willowstreetproject.com)

Website: [www.willowstreetproject.com](http://www.willowstreetproject.com)

Project Liaisons – Kelly Henry and John McKeegan