# PROPOSED PLAN OF REMEDIAL ACTION

Hamilton Park/Pyles Lane Site
Operable Units 11, 12, 13, and 14
(OU-11, OU-12, OU-13, and OU-14)
New Castle, Delaware
DNREC Project No. DE-1284

March 2015

Delaware Department of Natural Resources and Environmental Control
Division of Waste and Hazardous Substances
Site Investigation & Restoration Section
391 Lukens Drive
New Castle, Delaware 19720

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**Approval:**
This Proposed Plan meets the requirements of the Hazardous Substance Cleanup Act.

Approved by:

Timothy Ratsep, Environmental Program Administrator
Site Investigation & Restoration Section

March 27, 2015
Date

## What is the Proposed Plan of Remedial Action?

The Proposed Plan of Remedial Action (Proposed Plan) summarizes the clean-up (remedial) actions that are being proposed to address contamination found at a Site. A legal notice is published in the newspaper advertising the Proposed Plan for a 20-day comment period. DNREC considers and addresses all public comments received and publishes a Final Plan of Remedial Action for the Site.

## What are Operable Units 11, 12, 13, and 14 or OU-11, OU-12, OU-13, and OU-14 of the Hamilton Park/Pyles Lane Site?

The Hamilton Park/Pyles Lane Site ("Site") is a residential neighborhood located off of New Castle Avenue (Route 9) in New Castle, Delaware. The individual properties are owned by private citizens. The location of the Site is depicted on Figure 1.

The Site has been divided into multiple operable units (OUs). OU-11, OU-12, OU-13, and OU-14 refer to the soils beneath the properties located at 100 Center Street, 9 Hamilton Street, 103 Hamilton Street, and 102 Hamilton Street, respectively. The properties are can also be identified as tax parcels 10-006.10-017/10-005.20-116, 10-005.20-115, 10-006.10-015, and 10-005.20-150, respectively. Subsequent operable units will include the soils beneath the other properties of the neighborhood. This Proposed Plan of Remedial Action applies only to the OU-11, OU-12, OU-13, and OU-14 properties (Figure 2).

## What happened at the Hamilton Park/Pyles Lane Site?

DNREC initially investigated the surface soil at the Site in 2002. The soil samples collected during the initial environmental investigation revealed concentrations of metals in the soil above unrestricted (residential) use standards on some properties in the neighborhood. A review of historical records, along with soil boring logs documented during multiple subsequent investigations, indicated that the source of elevated metals concentrations in soil across the Hamilton Park neighborhood is most likely from the fill placed when the homes were built and proximity to a former foundry in the rear of the neighborhood.

## What is the environmental problem at OU-11, OU, 12, OU-13, and OU-14 of the Hamilton Park/Pyles Lane Site?

According to environmental investigations conducted between 2002 and 2013, these properties were identified as having concentrations of metals and/or polycyclic aromatic hydrocarbons (PAHs) in the surface soil above background concentrations on select portions of the OU-11,

OU-12, OU-13, and OU-14 properties.(Figure 2). Repeated exposure to this soil could potentially pose an unacceptable risk to residents.

## What do the owners want to do at the OU-11, OU-12, OU-13, and OU-14 properties of the Hamilton Park/Pyles Lane Site after the cleanup?

There is no anticipated change in the use of the OU-11, OU-12, OU-13, and OU-14 properties within the Hamilton Park neighborhood. The properties are currently residences and will remain so for the foreseeable future.

## What clean-up actions are needed at OU-11, OU-12, OU-13, and OU-14 of the Hamilton Park/Pyles Lane Site?

DNREC proposes the following clean-up or remedial action for OU-11, OU-12, OU-13, and OU-14 of the Site, which need to be completed before a Certification of Completion of Remedy (COCR) can be issued:

1. A Remedial Action Work Plan must submitted to DNREC for approval within thirty (30) days of the issuance of the Final Plan of Remedial Action.

2. The top two (2) feet of soil in areas identified as having concentrations of metals and/or PAHs that could potentially pose an unacceptable risk to residents who are exposed to it, and not covered with a building or impervious surface, e.g. concrete, asphalt, must be removed and replaced with DNREC-approval material that meets residential use requirements. This must be performed pursuant to the schedule indicated in the DNREC-approved Remedial Action Work Plan.

3. A Remedial Action Completion Report must be submitted to DNREC within ninety (90) days of the completion of the remedial actions required in the Final Plan of Remedial Action.

4. A request for a Certification of Completion of Remedy (COCR) must be submitted to DNREC within ninety (90) days of the approval of the Remedial Action Completion Report.

## How can I find additional information on the Proposed Plan for OU-11, OU-12, OU-13, and OU-14 of the Hamilton Park/Pyles Lane Site?

The complete file on the Site, including the Remedial Investigation Report, and other various reports, are available at the DNREC office, 391 Lukens Drive in New Castle, 19720. Most documents are also found on: http://www.nav.dnrec.delaware.gov/DEN3/

## How can I comment on the Proposed Plan for OU-11, OU-12, OU-13, and OU-14 of the Hamilton Park/Pyles Lane Site?

The 20-day public comment period begins on April 1, 2015 and ends at close of business (4:30 pm) on April 20, 2015. Please send written comments to the DNREC office at 391 Lukens Drive, New Castle, DE 19720 to Lindsay Hall, Project Officer, or Robert Newsome, Public Information Officer.

| | |
|---|---|
| Figure 1: | Site Location Map |
| Figure 2: | Aerial Map of OU-11, OU-12, OU-13, and OU-14 and the Approximate Extents of Excavation |

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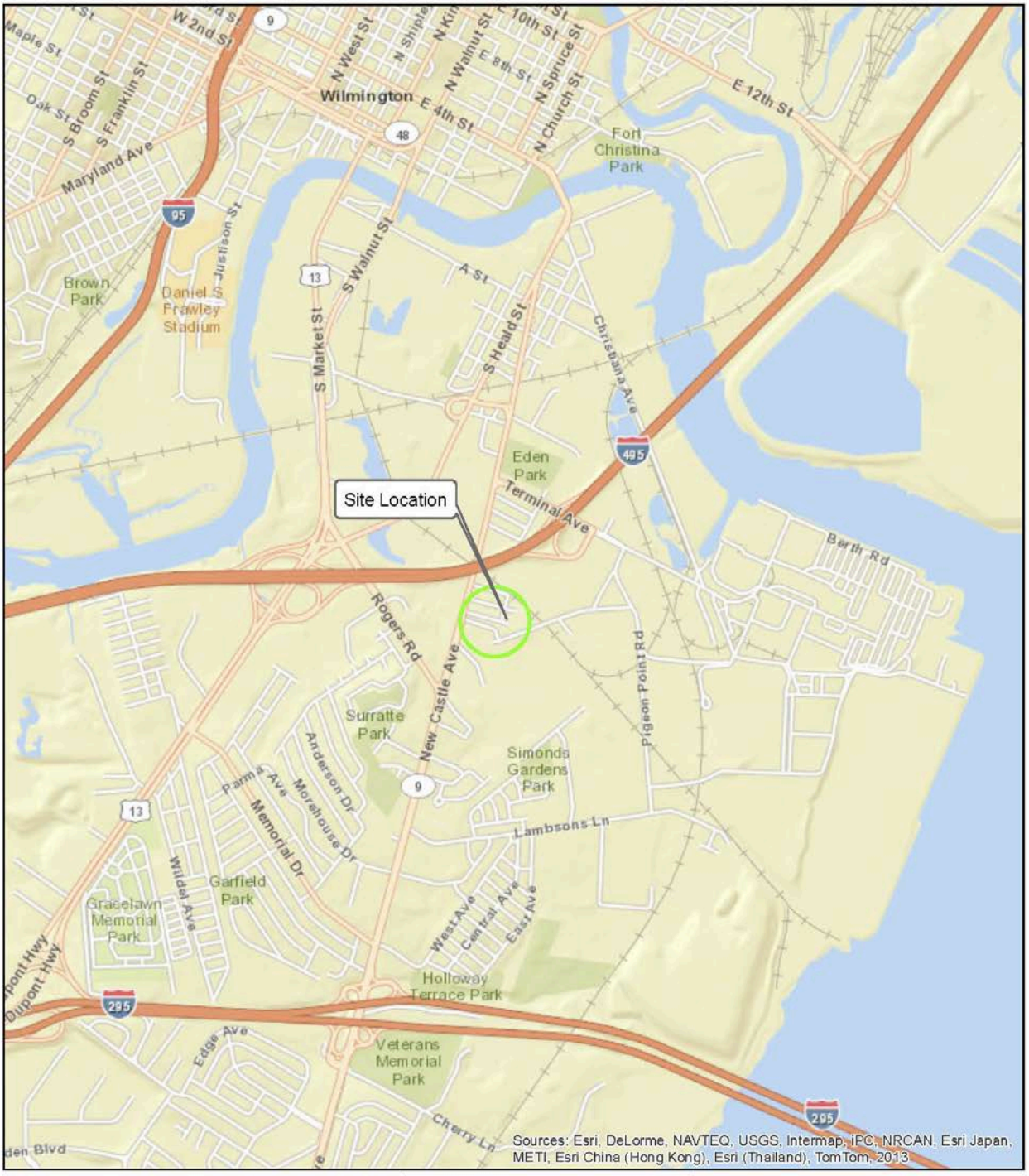


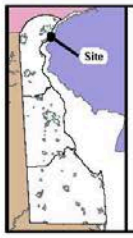


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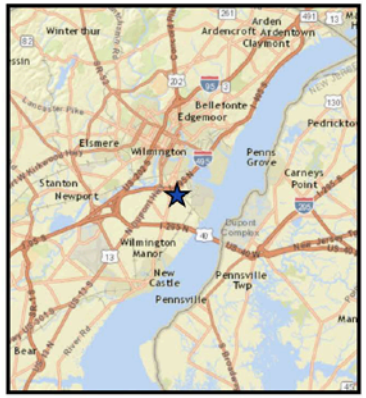
DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

**WHS-SIRS**
**391 LUKENS DR.**
**NEW CASTLE DE 19720**

**Figure 1**
**Site Location Map of**
**Hamilton Park/Pyles Lane Site**
**DE-1284**




EA Engineering, Science, and Technology, Inc., PBC

**Legend**

- Property Boundary
- Approximate Excavation Areas

Map Date: March 2014
Image Source: ESRI 2011
Projection: NAD 1983 UTM Zone 18N

N

0 12.5 25 50 Feet

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**Figure 2**
**Aerial Map of Operable Units 11, 12, 13, and 14 of the Hamilton Park Site and the Approximate Extents of Excavation**

# Glossary of Terms Used in this Proposed Plan

| | |
|---|---|
| **Exposure** | Contact with a substance through inhalation, ingestion, or direct contact with the skin. Exposure may be short term (acute) or long term (chronic) |
| **Final Plan of Remedial Action** | DNREC's adopted plan for cleaning up a site on which hazardous substances have been identified as present in site media (e.g. soil, groundwater) in concentrations and extent that exceed an acceptable risk level to human health and/or the environment |
| **Hazardous Substance Cleanup Act (HSCA)** | Delaware Code Title 7, Chapter 91. The law that enables DNREC to identify parties responsible for hazardous substance releases and requires cleanup with oversight of the Department |
| **Risk** | Likelihood or probability of injury, disease, or death |
| **SIRS** | Site Investigation Restoration Section of DNREC, which oversees the investigation and cleanup of sites that were contaminated as a result of past or current use. |
| **Surface soil** | Soil present in the interval between the ground surface down to 2 feet below the ground surface |