PROPOSED PLAN OF REMEDIAL ACTION

Hamilton Park/Pyles Lane Site
Operable Units 4, 5, and 6 (OU-4, OU-5, OU-6)
New Castle, Delaware
DNREC Project No. DE-1284

July 2013

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

July 15, 2013
Date

Hamilton Park/Pyles Lane Site (OU-4, OU-5, OU-6)

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 (Final Plan) for the Site.

What are Operable Units 4, 5 and 6 or OU-4, OU-5 and OU-6 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. OU-4, OU-5 and OU-6 refer to the soils beneath the properties located at 16 Center Street, 7 Center Street, and 22 South Street, 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-4, OU-5, and OU-6 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 did reveal elevated concentrations of metals in the soil on some properties in the neighborhood above unrestricted (residential) use standards. A review of historical records, along with soil boring logs documented during multiple investigations, indicated the source of contamination in the Hamilton Park neighborhood is most likely from contaminated fill.

What is the environmental problem at the Hamilton Park/Pyles Lane Site?

According to environmental investigations conducted between 2002 and 2010, some properties at the Site were identified as having concentrations of metals in the surface soil, that exceeded DNREC's unrestricted use (residential), uniform risk-based standard (URS) concentrations (December 1999). Exposure to this soil could potentially pose an unacceptable risk to residents.

Across all sampling events, there were repeated detections of arsenic concentrations in surface soil samples collected on the OU-4, OU-5, and OU-6 properties above DNREC's default background threshold value for arsenic of 11 parts per million (ppm). Subsurface soil samples do not indicate that exposure to subsurface soil poses an unacceptable risk to residents of the property.

What clean-up actions are needed at Operable Units 4, 5, and 6 of the Hamilton Park/Pyles Lane Site?

DNREC proposes the following clean-up or remedial action for OU-4, OU-5, and OU-6 of the Site, which needs to be completed before a Certification of Completion of Remedy (COCR) can be issued:

1. Remove the top two (2) feet of soil in the readily-accessible grass-covered areas within OU-4, OU-5, and OU-6 and replace with DNREC-approved material

What are the long term plans for Operable Units 4, 5, and 6 of the Hamilton Park/Pyles Lane Site after the cleanup?

There is no anticipated change in the use of the OU-4, OU-5 and OU-6 properties within the Hamilton Park neighborhood. The properties are currently residences and will remain so for the foreseeable future.

How can I find additional information on the Proposed Plan for Operable Units 4, 5, and 6 of the Hamilton Park 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 Operable Units 4, 5, and 6 of the Hamilton Park/Pyles Lane Site?

The 20-day public comment period begins on July 17, 2013 and ends at close of business (4:30 pm) on August 6, 2013. 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

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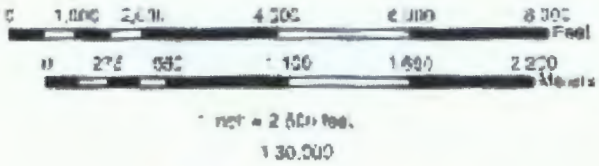

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Figure 1
Site Location Map
Hamilton Park
New Castle, Delaware

Figure 1

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DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL

WHS-SIRS
391 Lukens Dr.
New Castle
Delaware 19720

Figure 2
Aerial Map of
Hamilton Park
OU-4, OU-5 & OU-6

PROJECT LOCATION: U:\SIRB ARCMAP PROJS\HAMILTON PARK\HAMILTON PARK3 KAD\Doc13\13_GIS_MAPS/KAD13005

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 hazardous site.
Hazardous Substance Cleanup Act (HSCA)	Delaware Code Title 7, Chapter 91. The law that enables DNREC to identify parties responsible for hazardous substances 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 cleanup of sites that were contaminated as a result of past use, from dry cleaners to chemical companies
Subsurface soil	Soil present in the interval 2 feet below ground surface to where groundwater was encountered
Surface soil	Soil present in the interval between the ground surface down to 2 feet below the ground surface
Uniform Risk-Based Remediation Standards (URS)	A set of concentration criteria for various contaminants potentially present in site media that were developed for the protection of human health and the environment (Dec. 1999 – January 2013)