Public Informational Meeting on the Former Sparrows Point Steel Mill Environmental Cleanup

April 21, 2016
Environmental Work On the Entire Site For MDE and EPA

MDE will assume primary responsibility for overseeing implementation of the onshore work in consultation and cooperation with EPA.

EPA will assume primary responsibility for implementation of the offshore work in consultation and cooperation with MDE.

Settlement Agreement (SA) EPA, DOJ and SPT

Administrative Consent Order (ACO) MDE and SPT

Amended 1997 Consent Decree (CD) MDE, EPA, DOJ and SPL
Site Investigation Status

Since QAPP Approval September 2015 as of April 2016

Soil Borings Installed: 582

Temporary Monitoring Wells Installed: 39

Permanent Ground Water Monitoring Wells Installed: 76

Soil Gas Points Installed: 48

Phase II Reports currently being prepared upon receipt of validated lab results

*Work plans and reports posted on MDE Website
Parcel A-1 RAP Progress

Surcharging Process recently completed
Excess clean soil to be relocated prior to building construction
Demolition Progress

Pit 45 Prior to Cleaning

Pit 45 After Cleaning

Photo Credit: Mike Cirri Jenkins Environmental Inc
Coke Oven Area Interim Measures

Possible Slurry Wall Option E
Cell 2 Groundwater Extraction Wells
Approximate Location LNAPL
Approximate Extent of LNAPL Source Area
Possible Slurry Wall Option A
Possible Cell 3 Expansion
Cell 1
Cell 6
Approximate Extent of DNAPL Source Area
Cell 5 Dual Phase Extraction Wells

Former Coke Oven Area
Sparrows Point Terminal, LLC
Coke Oven Interim Measures Upgrades-Cell 1

Cell 1 Piping System Completely Replaced and New Sparge Wells Added
Cell 1  Upgraded Flow Control System
DNAPL product removal began to be extracted from the Cell 5 area in the latter part of the 4th quarter 2015.

DNAPL was extracted from several newly constructed extraction wells that have constructed DNAPL sumps below the screened interval.

As of April 2016 245 gallons of DNAPL recovered with 145 gallons from CO123-PZM and 100 gallons from CO125-PZM.
Coke Oven Interim Measures Planned Upgrade - Cell 6

Will utilize 42 extraction wells for Bio-Slurp system

High vacuum extraction to remove vapor and product

Vapor will be collected and treated

Liquid into oil/water separator

Recovered ground water will be filtered and reinjected to maintain ground water levels to facilitate continued product recovery
For Additional Information From EPA On Shore Activities:

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For Additional Information From EPA On Off-Shore Activities:

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For Additional Information From MDE

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Visit the MDE Website!
http://www.mde.maryland.gov