

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

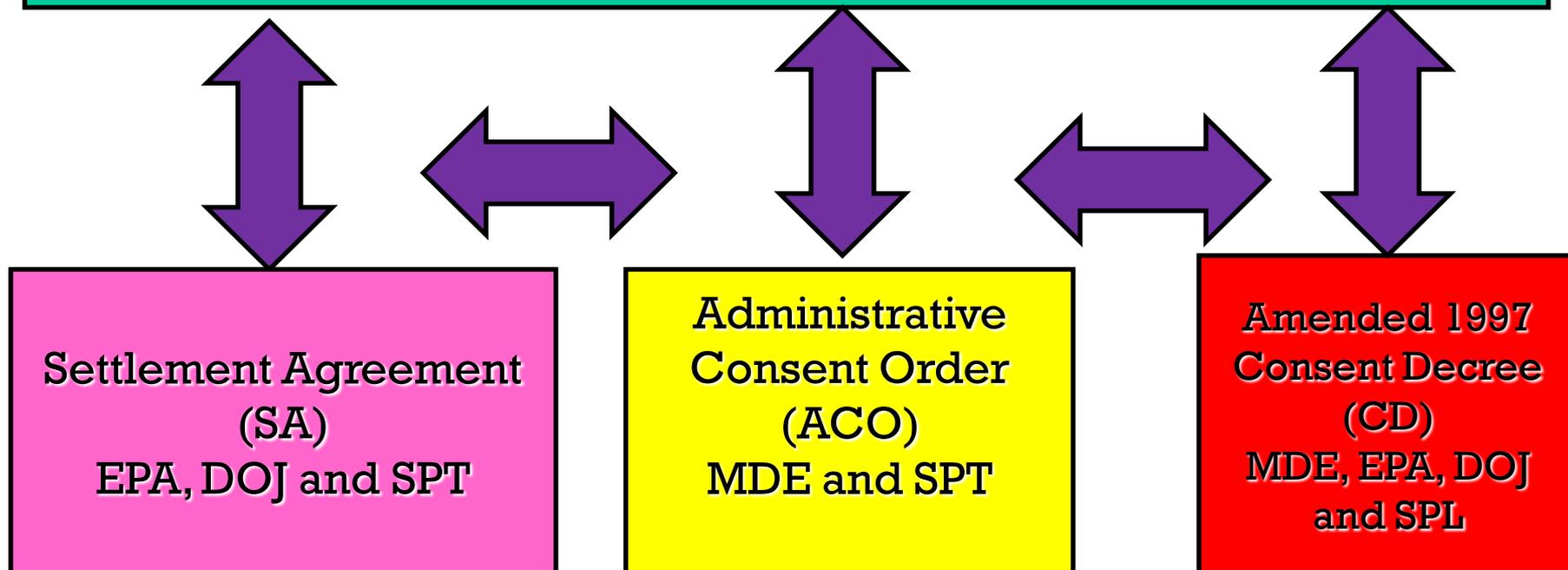


**April 21, 2016**

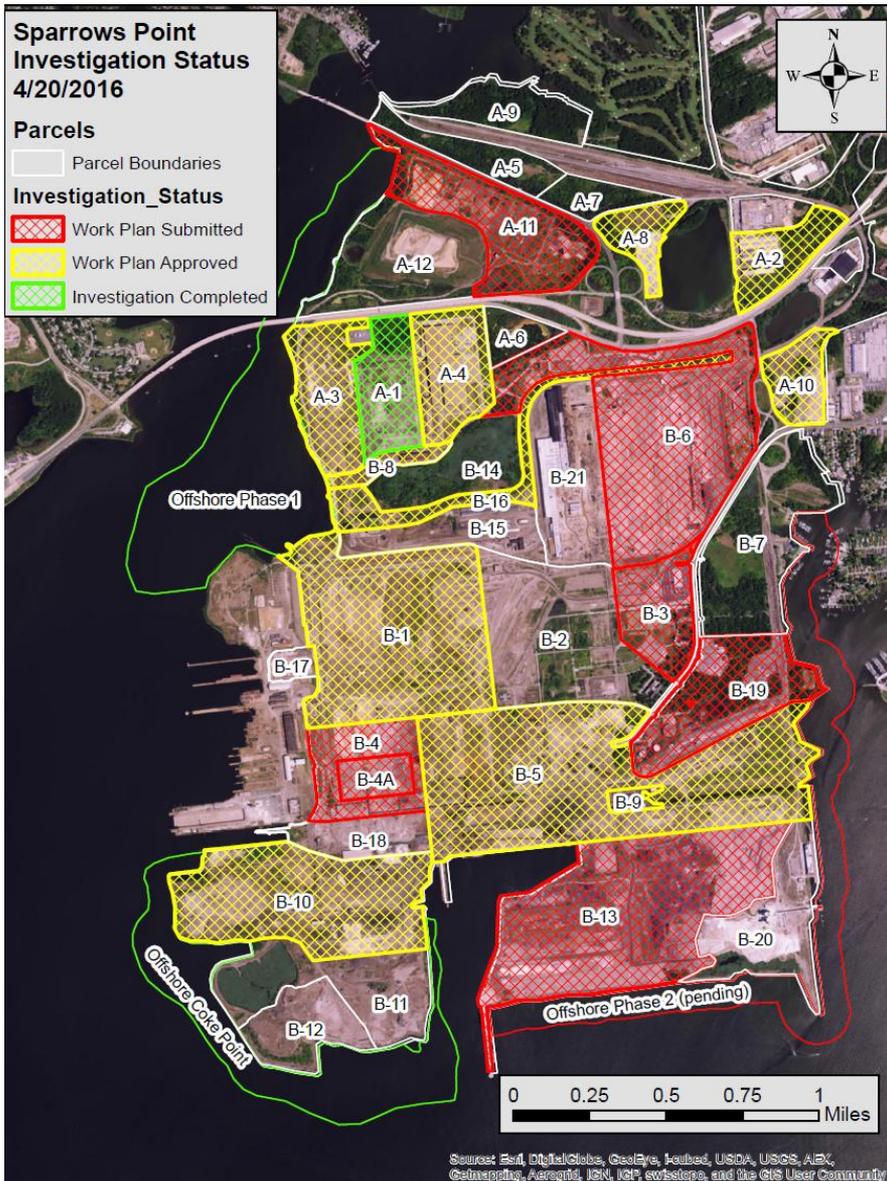
### Environmental Work On the Entire Site For MDE and EPA

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



# 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

# Coke Oven Area Interim Measures



Former Coke Oven Area  
Sparrows Point Terminal, LLC

## Coke Oven Interim Measures Upgrades-Cell 1



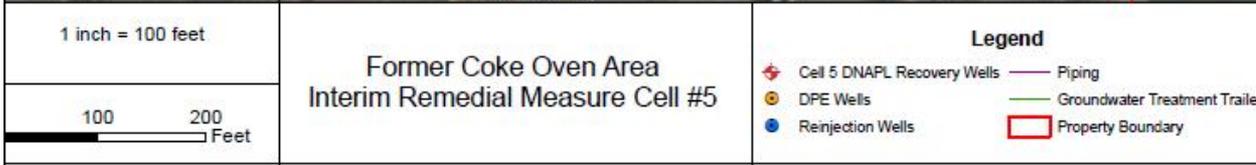
Cell 1 Piping System Completely Replaced and New Sparge Wells Added

# Coke Oven Interim Measures Upgrades-Cell 1



Cell 1 Upgraded Flow Control System

# Coke Oven Interim Measures Upgrades-Cell 5



DNAPL product removal began to be extracted from the Cell 5 area in the latter part of the 4<sup>th</sup> 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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Office of Preparedness and Response  
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## **For Additional Information From MDE**

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**Visit the MDE Website!**

**<http://www.mde.maryland.gov>**