



# Benning Power Plant Demolition



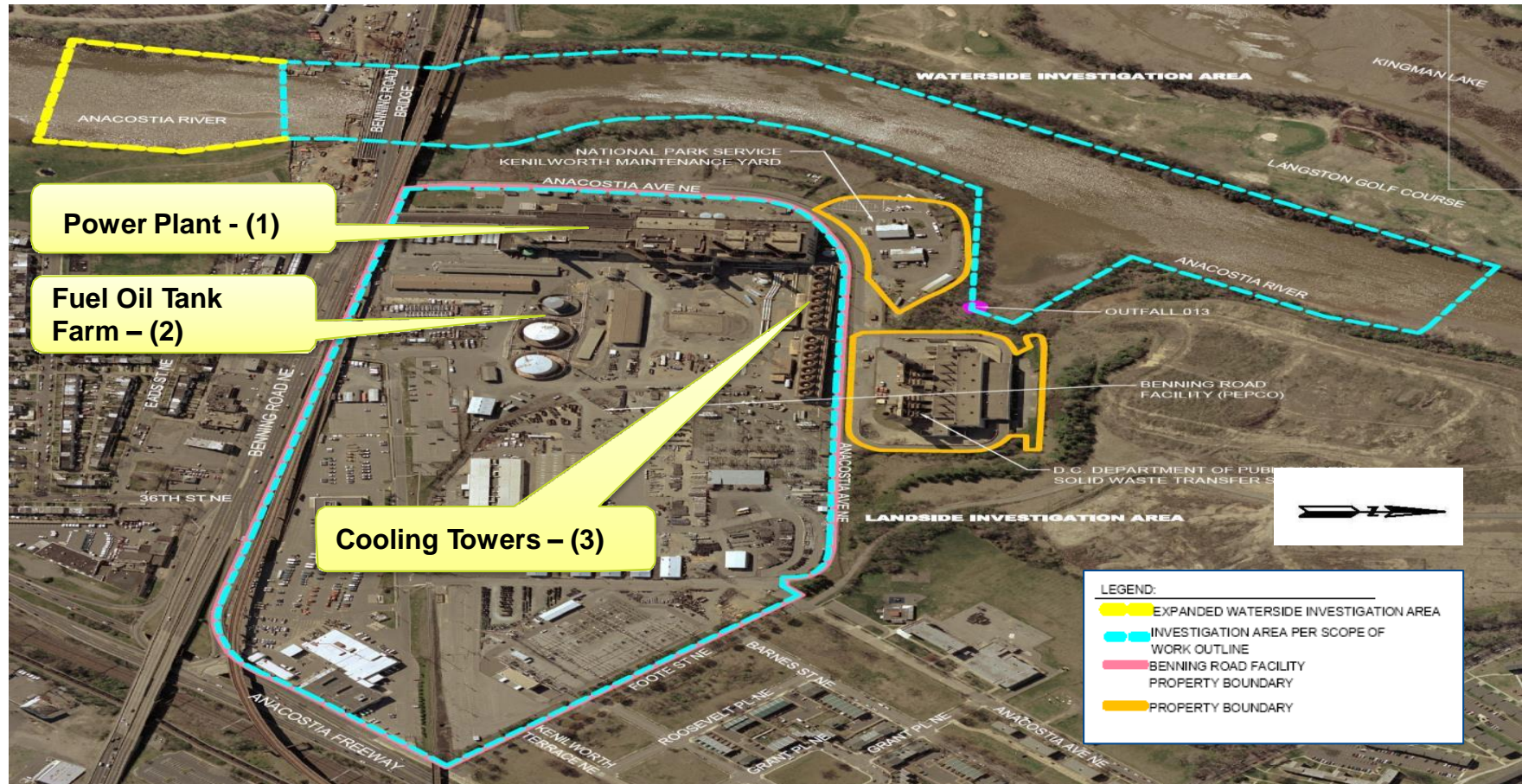
## Project Progress Update

Presented by: Pepco Energy Services

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# Benning Power Plant and Related Sections of the Service Center (Fuel Tank Farm and Cooling Towers)



## Map Location Key

1. Power Plant
2. Fuel Tank Farm
3. Cooling Towers

# Benning Power Plant Demolition Progress Photographs

## Fuel Tank Farm



View of the fuel oil tanks that stored fuel oil for the power plant's operations. These tanks were cleaned and demolished in fall/winter 2012/2013.

### Map Location Key (2)



# Benning Power Plant Demolition Progress Photographs

## Fuel Tank Containments



View of Fuel Oil tank No. 1 and associated piping and concrete secondary containment. These systems were removed in fall/winter of 2012/2013.

## Map Location Key (2)

# Benning Power Plant Demolition Progress Photographs

## Defueling & Cleaning



View of Fuel Oil Tank No. 2 defueling operation - All fuel tanks were defueled using approved work plans and certifications in accordance with the National Fire Protection Association and the District of Columbia Fire Marshalls Office/District Fire and Emergency Services Department.

**Map Location Key (2)**

# Benning Power Plant Demolition Progress Photographs

## Fuel Tank Demolition



View of Fuel Oil tank No.1- All tank demolition was conducted via conventional methods with approved contractors. All work was performed in accordance with industry best practices and in strict conformance to safety standards and OSHA requirements. All materials were salvaged and used to offset the cost of demolition.

### Map Location Key (2)



# Benning Power Plant Demolition Progress Photographs

## Cooling Tower Area



Unit 15 Cooling Tower – View of the superstructure and ancillary buildings prior to asset recovery of the fans, motors and gear boxes.

### Map Location Key (3)

# Benning Power Plant Demolition Progress Photographs

## Cooling Tower Area Ancillary Buildings



Units 15 and 16 Cooling Towers – Before and after view of cooling towers after asset recovery/equipment removal and ancillary building removal. All wood, metal and fiberglass was either salvaged for asset recovery and/or disposed of in licensed landfill sites. All work was completed in accordance with industry best practices, safety standards and OSHA requirements.

### Map Location Key (3)



# Benning Power Plant Demolition Progress Photographs

## Cooling Tower Superstructure Demolition Commencement



View of the Unit 15 Cooling Tower - Demolition was conducted by conventional means utilizing mechanical equipment (i.e., shears, grapples) and dust mitigation methods. All work was performed in accordance with the District Department of Consumer Regulatory Affairs raze permits, approved work plans and safety standards.

### Map Location Key (3)



# Benning Power Plant Demolition Progress Photographs

## Cooling Tower Superstructure Demolition Progress



View of Cooling Tower – The “before” photo shows heavy equipment (i.e., shears, grapples) continuing with the demolition (Note: site debris removal and cleaning was performed daily. The “after” photo shows the completion of the debris removal of superstructure from basin during fall 2013. All debris was properly removed and transported to a licensed landfill site.

### Map Location Key (3)



# Benning Power Plant Demolition Progress Photographs

## Abatement Containment Areas



View of an asbestos containment area - This equipment was installed in accordance with the Certified Industrial Hygienist's approved work plans and under the supervision of a Field Industrial Hygienist. All asbestos removal methods are subject to review and approval of the District Department of Environment (DDOE).

### Map Location Key (1)

# Benning Power Plant Demolition Progress Photographs

## Abatement Transportation Staging Areas



Internal/external view of asbestos storage/transportation trailer – All trailers are lined with plastic per the approved work plan and industry best practices. The debris material is double-bagged and placed in lined drums and then sealed with duct tape. All material manifests are reviewed by the onsite Certified Industrial Hygienist.

### Map Location Key (1)



# Benning Power Plant Demolition Progress Photographs

## Power Plant Auxiliary and Main Boiler Stacks



View of the power plant's smoke stacks (from left to right) – The Auxiliary Boiler Masonry Stack, Unit 13 Brick Stack, Unit 14 Brick Stack, Units 15 and 16 Metal Stacks

**Map Location Key (1)**

# Benning Power Plant Demolition Progress Photographs

## Power Plant Auxiliary Boiler Stack Scaffolding



View of the Power Plant Auxiliary Boiler Masonry Stack - This picture depicts scaffolding and containment area installation for the abatement of asbestos coating (in progress).

### Map Location Key (1)



# Benning Power Plant Demolition Progress Photographs

## Power Plant Panel Removal



View of the transite panel removal from the power plant (in progress). Upon the panel removal being completed, the steel frame will remain until salvage operations begin. All work is being performed in accordance with approved work plans, industry best practices and OSHA safety regulations.

### Map Location Key (1)

# Benning Power Plant Demolition Progress Photographs

## Power Plant Panel Removal



Continuation of transite panel removal of the plant structure. All personnel conducting panel removal must do so in accordance with approved work plans and industry best practices. Personnel are mandated to wear the appropriate personal protective equipment.

### Map Location Key (1)



# Benning Power Plant Demolition Progress Photographs

## Equipment Salvage



Asset Recovery – NCM (demolition contractor) personnel is removing copper and steel material from the steam turbine in an effort to segregate the metal for recycling, transporting and processing.

## Map Location Key (1)

# PES's Commitment to Keeping you Informed

- It is our commitment to the community that the dismantling and removal is conducted safely and in compliance with all applicable government regulations and standards.
  - OSHA 29 CFR 1926.1101
  - EPA 40 CFR 61 Subpart M (NESHAP)
  - DDOE Air Quality Division – Title 20 Chapter 20-8
- PES site supervisors, contractors, security and safety teams have established appropriate procedures to monitor all work activities and prevent potential hazard.
- For more information and updates, community members can visit the website at [benningservicecenter.com](http://benningservicecenter.com) or call (202) 730-1199.