

# DuPont Chambers Works FUSRAP Site

## Deepwater, New Jersey

### **AOC 1: Former Building 845**

#### *MED Usage*

- Recovery of uranium from scrap materials generated at other MED sites
- Building 845 was a 4-story, 50,000 ft<sup>2</sup> steel-frame building

#### *Current Usage*

- Building 845 was demolished in 1999
- Currently a parking lot

#### *Investigation Results*

- Impacted soils found roughly beneath the building footprint to a depth of 4 feet
- Impacted groundwater found in same areas as impacted soils



# DuPont Chambers Works FUSRAP Site

## Deepwater, New Jersey

### **AOC 2: Former Building 708**

#### ***MED Usage –***

- Site of uranium refinement processes, including:
  - Ore concentrate refining process
  - Brown oxide process
  - Green salt process
  - Hexafluoride process
  - Metal process

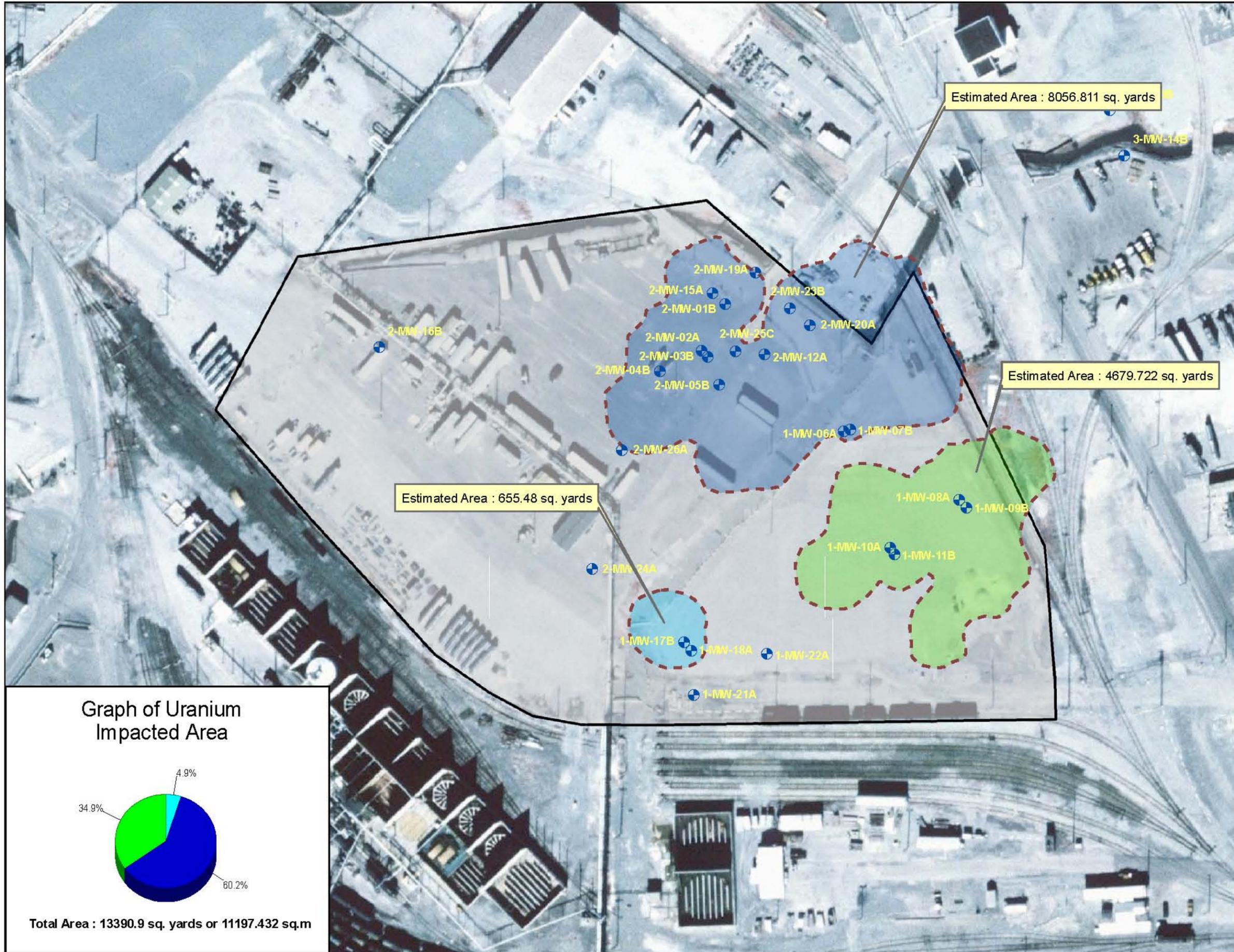
#### ***Current Usage –***

- Building demolished in 1953
- Currently a parking lot

#### ***Investigation Results -***

- Impacted soils found roughly beneath the building footprint to a depth of 8 feet
- Within the former building footprint, total uranium exceeded the investigation screening value (15 pCi/g) to an approximate depth of 8 ft, which corresponds to the depth of buried debris.
- Impacted groundwater in roughly the same location as impacted soil.

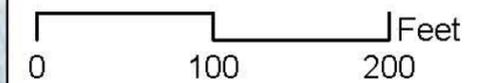




**Legend**

- Well Locations
- Estimated Extent of Uranium Impact**
- Area: 655.4 sq. yards or 548.069 sq.m
- Area: 4679.7 sq. yards or 3912.843 sq. m
- Area: 8056.8 sq. yards or 6736.520 sq. m
- OU1 Boundary

**Scale 1:1200**



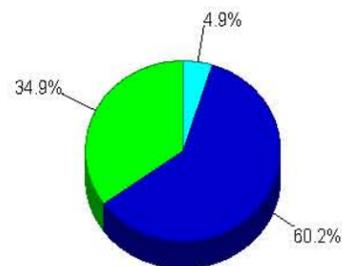
ESTIMATED EXTEND OF URANIUM IMPACTED AREAS  
OPERABLE UNIT 1, AOC 1 andd AOC 2

**USACE - FUSRAP**  
**DuPont Chambers Works**  
**Deepwater, New Jersey**

12/2006

DRAWING #  
Fig1-10

**Graph of Uranium Impacted Area**



**Total Area : 13390.9 sq. yards or 11197.432 sq.m**



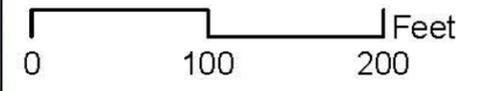
AOC 2

AOC 1

**Legend**

-  Well Locations
-  30 mg / L Contour Line

Scale 1:1200



**URANIUM IN GROUNDWATER  
OU1-AQUIFER A**

**USACE - FUSRAP  
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