



Odors

Origin of Odors

- Coal tar contamination in the subsurface
- Pre-clearing/Excavation
- Active In-situ Solidification
- Stockpiles
- Site Maintenance



Odors

Site-wide Odor/Dust Mitigation Methods

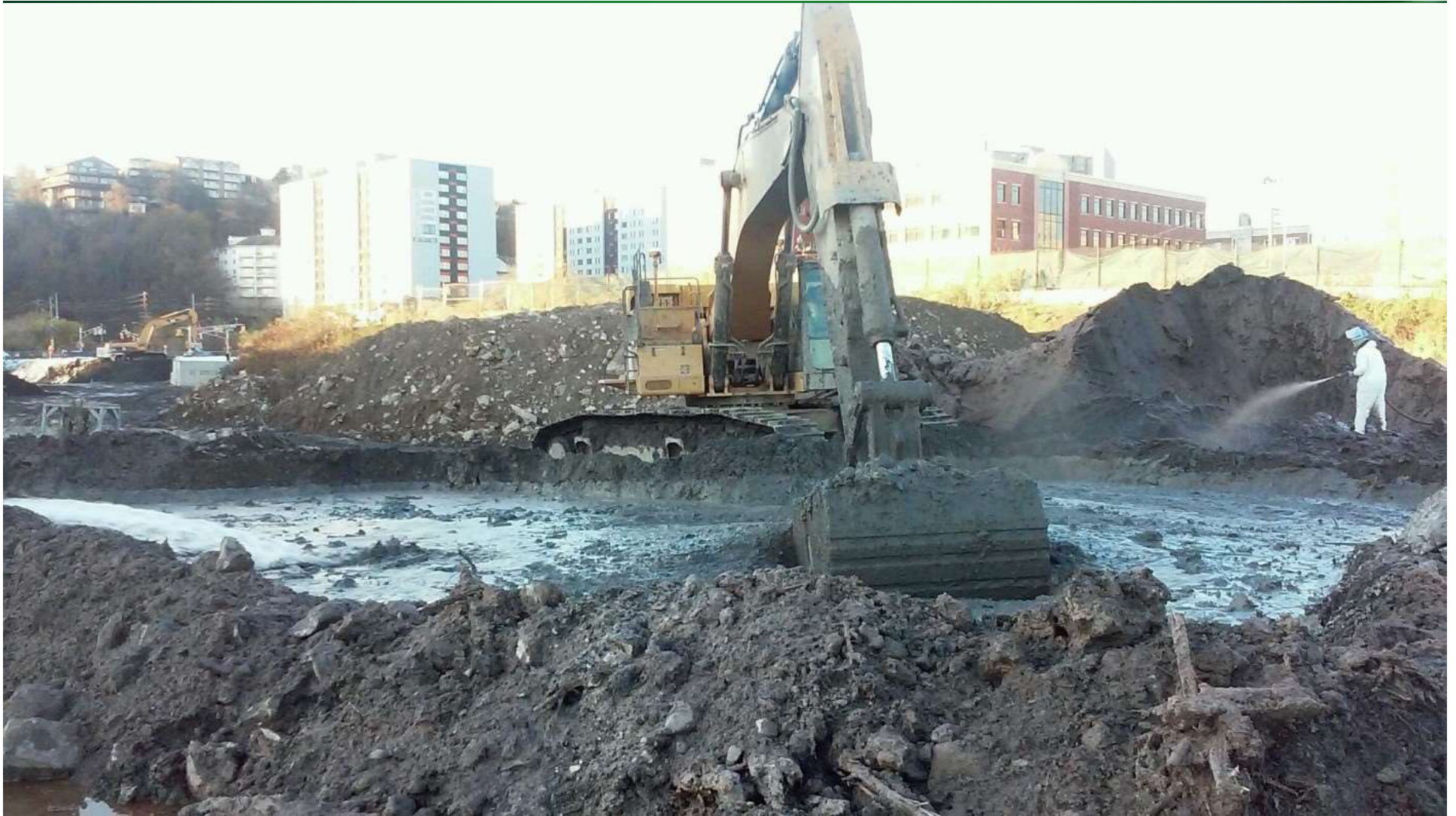
- Improved methods and increased frequency as odors increased
- RUSMAR foam
- Posi-shell
- Misters along fence
- Poly plastic sheeting
- Other methods



4/10/2018



4/10/2018





Odors

Pre-clearing / Excavation

- Previously: Multiple cells open for debris removal, 7 days ahead
- Currently: Fewer cells, 1 day ahead





4/10/2018



Odors

Active In-situ Solidification (ISS)

- Previously: Deep clearing being performed ahead of active ISS cells
- Currently: Same day as ISS
- Soil mixing releases vapors



4/10/2018

10



4/10/2018



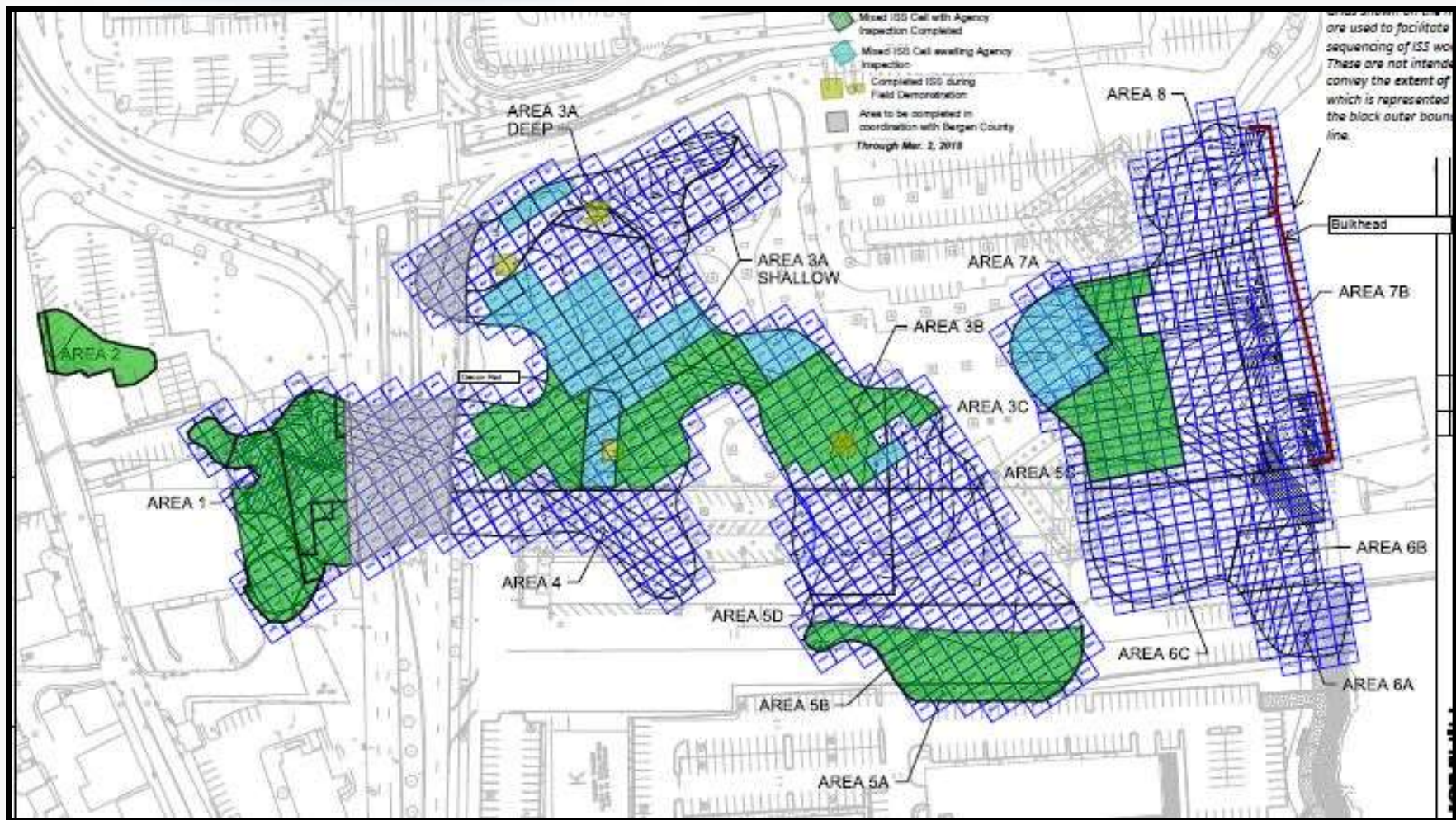
4/10/2018

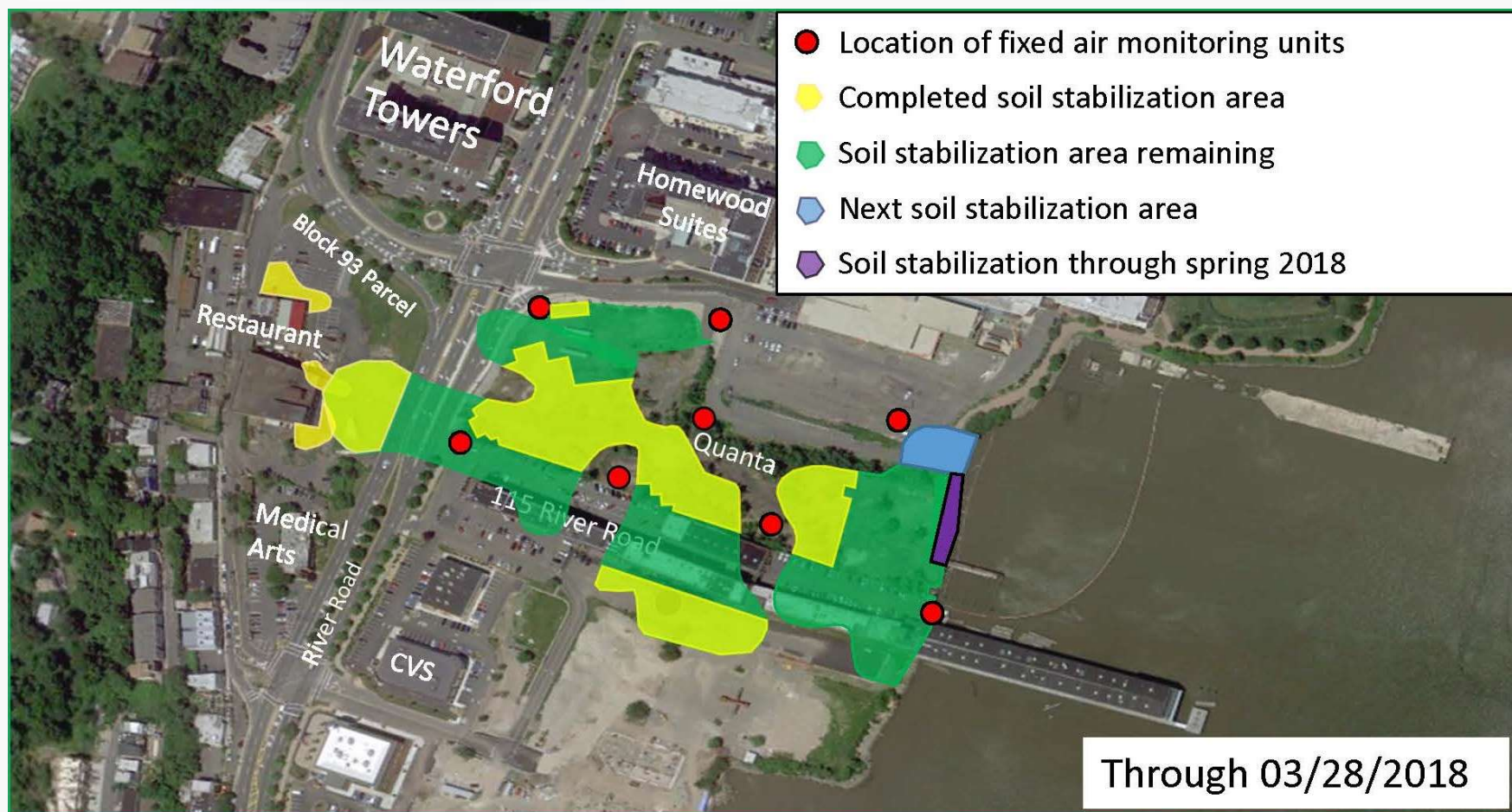
12



4/10/2018

13







Odors

Stockpile Management

- Previously: Multiple stockpiles, including bermed materials, across site
- Currently: Stockpiles managed in central location



4/10/2018



4/10/2018



4/10/2018



Odors

Site Maintenance

- Previously: Grading completed at end
- Currently:
 - Grading following completion of ISS in each area
 - Completed ISS will be covered with gravel or Posi-Shell to minimize standing water and reduce working zones



4/10/2018



4/10/2018



4/10/2018

23



4/10/2018



Odors

Weather Impacts

- Changes in temperature, humidity, and precipitation
- Wind speed and direction

Block 93 Dust

