Brownfield Pioneers…
Making Sure The “Fixed”…Stay’s “Fixed”

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Some things to go over:

- Site Investigation and Restoration Section LTS responsibilities
- LTS interaction with other DNREC entities (i.e. Water Supply Section)
- Partnership with Miss Utility/Terradex
- The generic DNREC Contaminated Materials Management Plan
The Site Investigation and Restoration Section (SIRS) and Where does SIRS’s Regulatory Power Come From?

• Regulates sites under the Delaware Hazardous Substance Cleanup Act (HSCA) - July 1990
• HSCA requires “the prompt containment and removal of hazardous substances and to eliminate the risk to public health, welfare and the environment from the release of hazardous substances”
• Established the procedures to identify, investigate and cleanup areas where a release of hazardous substances has occurred or is imminent
SIRS Long Term Stewardship (LTS) Sites

- Close to 200 Sites currently in LTS program
- Most of the facilities are located on urban areas with past industrial activities
SIRS LTS SITES

- Groundwater Management Zone (GMZ)
- Capping (vegetative, concrete/asphalt, buildings), no digging, excavating, grading, trenching, etc. without prior written DNREC approval.
- Use restriction (non-residential)
- Required fencing/limited access
Site Capping

Capping remediates the residual contamination in soil where the concentrations were not high enough to remove.

Eliminates the risk of exposure to the soils for human health.

Includes various types including:

1. soil cap usually a minimum of 1 foot
2. concrete or asphalt
3. buildings
4. landscape areas or plantings
5. synthetic (geo-membrane caps)
Site Capping
The One Call Program

• With the help of Delmarva Miss Utility, DNREC joined as a member in 2012
• Notify excavator of the potential threat of contamination in select areas
• Protect conditions at the facility (SIRS & TMS)
• Piloted in Newark in 12/2012 (Wilmington 10/2013, entire State 12/2014)
Utility mark-out requested

Miss Utility collects information and informs stakeholders

Information processed via DigClean (project of Terradex)

Response generated via DigClean sent to excavator and DNREC

Excavators call the person listed with any questions
What is a CMMP?

• The type of work being conducted and locations of disturbing activities
• How screening will be conducted, how will materials will be handled
• Who will be onsite and what are the notification requirements
• Reporting procedures
The Generic DNREC CMMP

This CMMP was developed at the request of other utility stakeholders and excavators.

- Covers intrusive activities
- Deals with impacted soil management
- Soil disposal and transportation
The Generic DNREC CMMP Cont.

- Health and safety and use of level D
- Groundwater management
- Debris and fill material
- USTs, ASTs, and piping
- Notification
Questions?
Thank You!