

OCGS TEAM RESPONSIBLE FOR:
Characterization and Delineation of Contaminants

PROBLEMS COMMON TO THREE OR MORE OH SITES

- Unknowns in underground lines
- Contaminated soil
- Unknown extent of contaminants under buildings
- Unknown extent of contamination in buried pits/landfills
- Location and identification of buried objects both external and under buildings
- Unknown amount and location of contaminants inside packages

TECHNOLOGIES OR PRACTICES ALREADY USED IN OH

- Pipe Explorer used at CEMP and MEMP
- Benchmark Gamma Scans at CEMP and MEMP
- Real time *in-situ* characterization at FEMP
- Smart Sampling at MEMP
- Ground Penetrating Radar at FEMP and MEMP
- Electromagnetic Imaging at FEMP and MEMP
- Wart-hog at FEMP and MEMP
- Cone penetrometer at FEMP

REPORTED POTENTIAL SAVINGS FROM USE OF TECHNOLOGY OR BEST PRACTICE

- FEMP - \$34M using real time characterization
- CEMP - \$ 5M using pipe explorer

CURRENT OH NEED OR OPPORTUNITY

- AEMP – (1) Unknown contaminants and buried objects external and under buildings: (2) Unknown contamination in buried lines
- CEMP – (1) same
- FEMP – (1), (2) are common: (3) Unknown contaminants in containers: (4) amount of above WAC soil for on-site disposal
- MEMP – (1), (2), (3) are common: (4) extent of excavation required in PRS-66: (5) defining extent of the Tritium plume: (6) extent of contamination in Old-Cave and under SW Bldg.
- WVDP – (1), (2), (3) are common

RESOURCES CURRENTLY AVAILABLE WITHIN OH

- AEMP - ASTD Project involving soils
- FEMP – ASTD Project for Real Time Characterization
- FEMP – ASTD Project for Characterizing Under Buildings
- MEMP – ASTD Project for Old Cave Characterization
- MEMP – ITRD Project in PRS-66
- Technical experts from all OH sites