Operation and Maintenance Experiences at PA NPL Sites

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PA Dept of Environmental Protection
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NPL O&M Obligations

• 32 sites will be under State O&M (including 5 deleted)

• 19 currently under State O&M
  – 10 GW Pump and Treat Remedies
    • 7 include cap maintenance
  – 6 Landfills/Soil Covers
  – 2 Landfills with Leachate
  – 1 Private Well Carbon Filtration
Financial Estimates

- O&M currently, $2.5-$3.0 Million/yr (19 NPL sites) – not including staff costs
- $600,000/yr estimated for O&M at in-process LTRAs (4 sites)
- 9 proposed funded Remedial Actions
- $140 Million reported under GASB49 as Pollution Remediation Obligations
Life Beyond Fences

PPL Park, Chester PA
Berks Sand Pit Site – Berks County
Berks Sand Pit Site – Berks County
• 10 GW Pump and Treat Systems
  – 6 built between 1993-1997
    • 4 not operating
  – 4 built between 2000-2004
    • 1 not operating
  – 7 Undergoing Evaluations for Remedy Effectiveness/Changes
Lessons Learned – Pump and Treat

• Preparation during LTRA
  – First Five Year Report
  – Optimization – Extraction/Enhancement

• Transition from LTRA to O&M
  – Early Plant Reviews with Contractors

• How to Evaluate Performance?
Former Philly Chewing Gum Property
CERCLA 104(j) Acquisition of Property

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NOTE:
Some property lines on this plan are interpreted from a tax parcel map. The precision of this exhibit is acceptable for display purposes but not final for property boundary survey.
Long Term Stewardship

- Environmental Covenants
- State Restrictive Orders and Deed Notices
- Activity and Use Limitation Registry
- Apply to NPL, RCRA - CA, State VCP, State Superfund, Storage Tank sites.
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