Focused CMS – ATP SWMU Group (after)

- Consolidate SWMU S-24 waste into containment cell
- Construct final cover system and slurry wall
- 1.5' of barrier soils, geocomposite, geomembrane, geocomposite clay liner (GCL)
- 6-inches of seeded topsoil
Alternative 4 Advantages

- Protective of Human Health & Environment
- A single containment cell of ~ 4.5 acres not in a flood plain
- Control sources of groundwater contamination
ATP Group X-section
Typical Slurry Wall Detail

- **MIN. 24" WIDTH**
  - Key Slurry Trench
  - A minimum of 24" into underlying low permeability lake sediment

- **SLURRY WALL WITH A MAXIMUM PERMEABILITY OF 1 X 10^- cm/sec**
  - Slurry Wall

- **DEPTH VARIES**
  - Depth of slurry wall varies

- **TYP. COVER SYSTEM (see detail)**
  - Typical cover system

- **SLAG FILL**
  - Slag fill layer

- **MIN. 24" WIDTH**
  - Minimum width of 24"

- **LAKE SEDIMENT (low permeability)**
  - Lake sediment layer with low permeability
ATP Group X-section
Typical Cover System Detail

TYPICAL COVER SYSTEM DETAIL
NOT TO SCALE
Alternative 4 Advantages

• Construction can begin in 2009 and completed in 2010

• Eliminate SWMU S-24

• Reduce contaminant loadings to Smokes Creek

• Underlying confining layer
Alternative 4 Advantages

• Eliminates contaminant exposure risk to people, plants, animals

• Cover system will contain wildlife grasses to create desirable habitat for certain birds & animals
Public Comment Period

• For the proposed remedial action associated with the Acid Tar Pits and Agitator Sludge Pit, you have until:

  • August 14, 2009

• The focused CMS study is available online for your review. See Fact Sheet for web site address.
Smokes Creek ICM

- Tecumseh dredged lower stretch of Smokes Creek to sediment build-up under an ICM Order with DEC
- Dredging by Tecumseh helped:
  - Restore channel capacity
  - Remove contaminated sediments
Proposed Extent of Dredging Project

- Sampling Areas: Lower Reach, Upper Reach, and Off-Site (East of Rt 5)
- Proposed Dredging Project would encompass approximately 11,700 feet of Smokes Creek
Smokes Creek Update

• Tecumseh completed dredging lower 2600 feet of stream in 2009
Construction of Sediment Disposal Cell
Post-Dredge Sampling
Brownfield & Wind Energy Development