

Where Did the Solvents Go?

Soil

- Nothing on the ground surface
- Limited to the subsurface in a small area on the south side of the tank farm
- Cone of contaminated soil approximately 75 feet long, 40 feet wide, 20 to 30 feet deep
- In bedrock “cutter” under pipe elbows



Surface Water

- Contaminated groundwater entered Liberty Creek and Harpeth River via groundwater seeps
- Free product solvent entered lower portion of Liberty Creek via groundwater seeps
- Free product never observed in Harpeth River
- Overall concentrations of solvent chemicals in the Harpeth River remained below drinking water standards throughout the release and its aftermath



Groundwater

- Solvents entered groundwater in bottom of bedrock “cutter”
- Flowed with groundwater along cutter to Liberty Creek
- Dissolved outward from cutter into surrounding aquifer
- Free product and dissolved solvent behaved differently
- Area from ELMCO to Liberty Creek, Harpeth River to northern portion of Daniels Drive was affected



Air

- In 2007 and 2008 strong vapors from free product in creek and trench
- Air standards only exceeded near creek and trench during 2007
- Vapors in soil above contaminated groundwater

