

**FORMER AIR FORCE PLANT 36  
BACKGROUND INVESTIGATION**

Prepared for:

Air Force Center for Environmental  
Excellence and Aeronautical Systems  
Center

## PURPOSE FOR MIP AND PDB TECHNOLOGY

- Characterize lateral/vertical extent of cl-VOCs in soil and ground water
- Evaluate vertical distribution of cl-VOCs in ground water
- Provide real-time data on lithology and contaminant distribution

## HISTORY AND STATUS OF CORRECTIVE ACTION AT GEAE

- GEAE buys AFP 36 in 1989
- Corrective action begins in 1990
- Numerous investigations/interim measures performed
- Approximately 150 monitoring wells on/off site
- TCE and TCA in ground water remaining corrective measure
- Investigate source of TCE/TCA at AF Plant 36

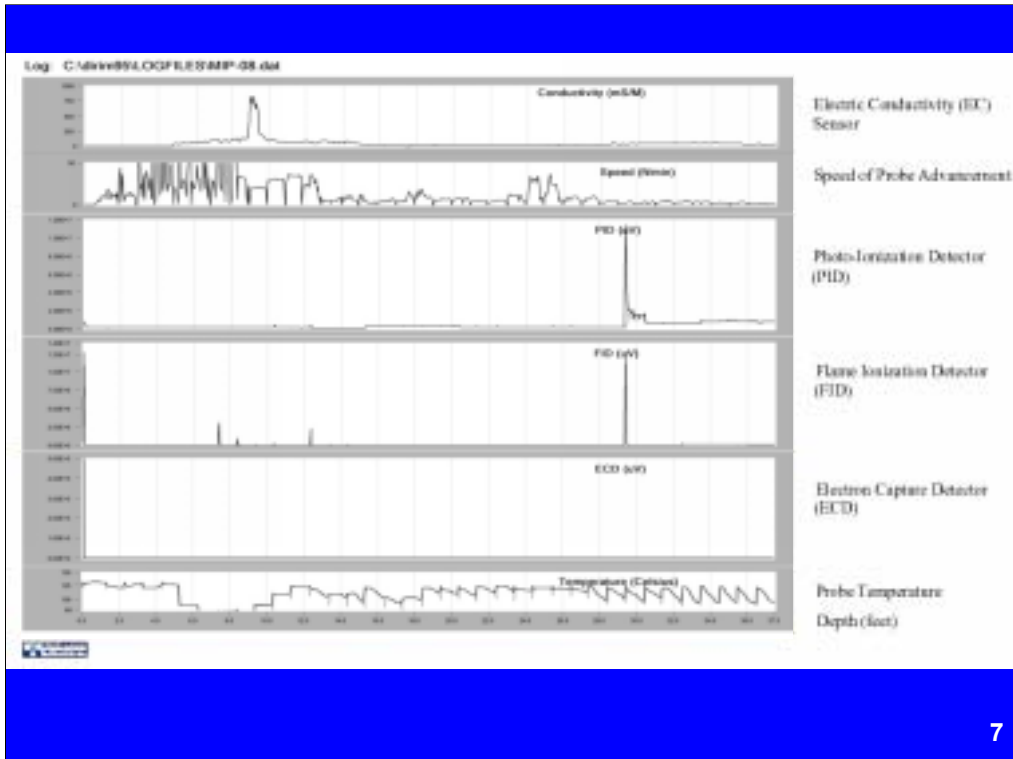


## BACKGROUND INVESTIGATION

- Determine Source of TCE/TCA in groundwater
  - 1. Sampling Design
  - 2. Sampling Locations
  - 3. Methodology
- MIP Survey
  - 1. Sensor and Detector Outputs (Fig. 2.2-3)
  - 2. Sampling Area (Fig. 3.1-2)
  - 3. EC and ECD Results (Fig. 3.1-3)
- Direct Push Results
  - 1. Soil (Fig. 3.1-7)
  - 2. Groundwater (Fig. 3.1-9)
  - 3. MIP/Direct Push Comparison (Fig. 3.1-11)
- Groundwater Monitoring Results
- Passive Diffusion Bag Results (Fig. 3.1-13)

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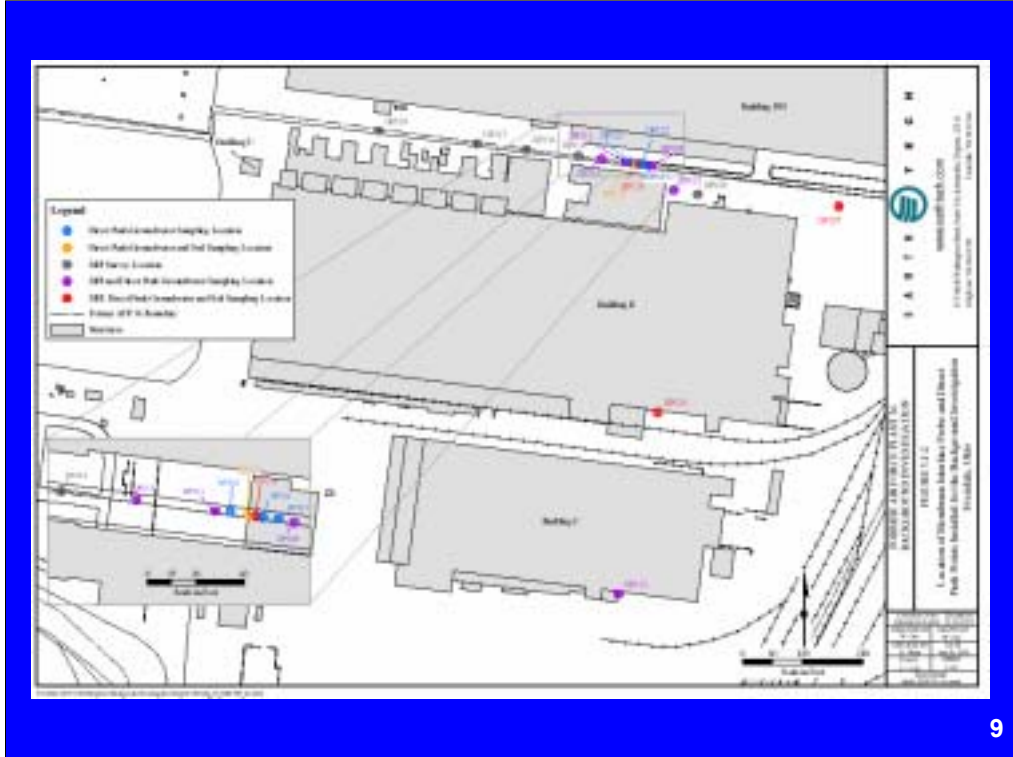
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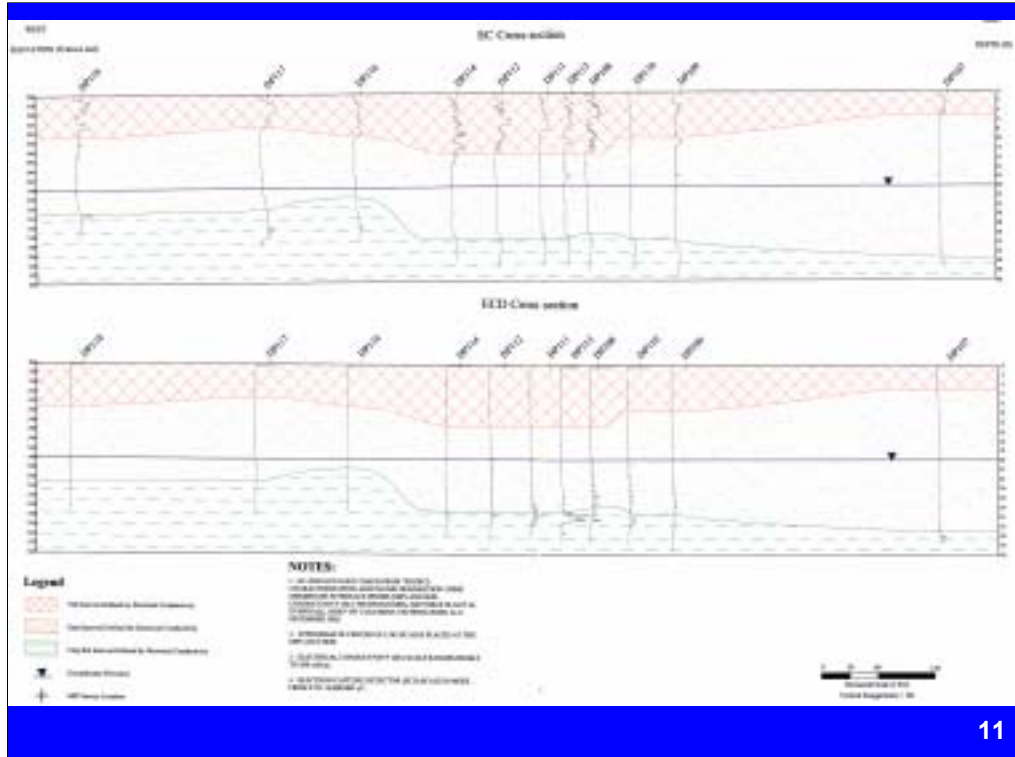
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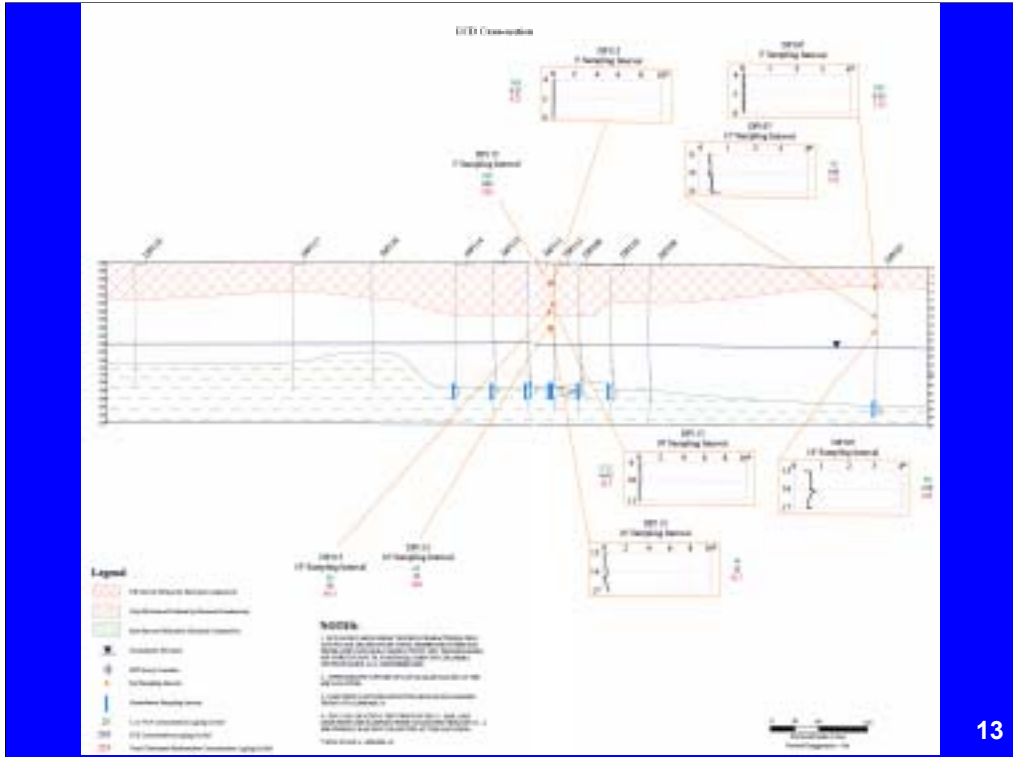
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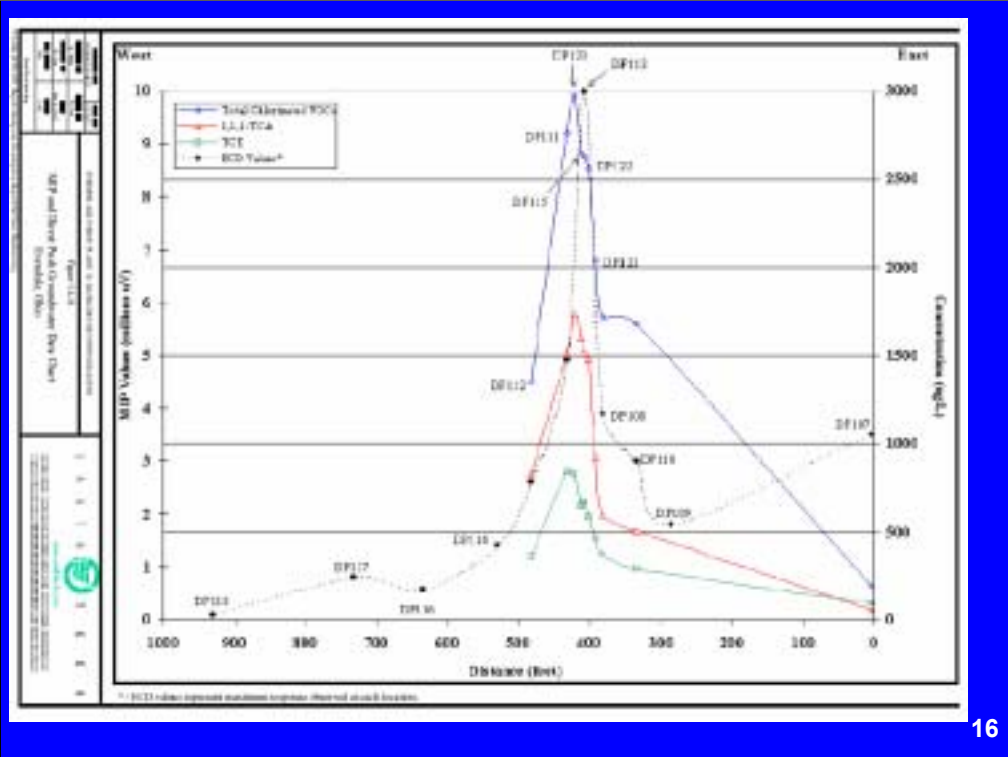
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- Groundwater Monitoring Results
- Passive Diffusion Bag Results (Fig. 3.1-13)

