

SUMMARY

GROUNDWATER REMEDIAL INVESTIGATION TNT AND REDWATER PONDS AREAS FORMER PLUM BROOK ORDNANCE WORKS SANDUSKY, OHIO

Presented To:

Restoration Advisory Board

December 12, 2001



Groundwater Remedial Investigation

- A groundwater investigation was conducted at TNT Areas A, B, and C beginning in 2001 to:
 - Determine the nature of the waste
 - Characterize contaminate plume boundaries
 - Refine Site Conceptual Model
 - Determine current and future routes of exposure as part of a site conceptual exposure model
 - Fill Data Gaps
 - Soil samples from TNT Areas A, B, C, West Area Red Water Pond, and Pentolite Road Red Water Pond.



Scope of the GW Investigation

- **Piezometer Installation**
 - 32 of anticipated 135 piezometers installed
- **Monitoring Well Installation**
 - Install 10 bedrock monitoring wells
- **Monitoring Well Condition Survey**
- **Groundwater Sampling**





PBOW PB-BED-MW26
 Box 3 of 9: 32.6 ft - 36.4 ft
 9/8/01 (#2 SL20)

PBOW PB-BED-MW26
 Box 4 of 9: 36.4 ft - 39.5 ft
 9/8/01 (#2 SL19)





Groundwater Sampling Results

- Free-phase hydrocarbons
- Naturally occurring hydrogen sulfide
- Groundwater analytical data expected in January 2002
- Quarterly sampling to begin in January 2002







FROM: FB-BEQ-MWZ
Box 5 of 24 (44-46 D)
Box 6 of 24 (48-51 H)
Box 7 of 24 (51-54 H)
(97/01 #7 SL1 2)

