



**McGuire**  
One Team, One Theme, Mobility!

**McGuire Air Force Base Restoration  
Program Site # SS-24**

***Interim Remedial Action***




**U.S. AIR FORCE**




**John G. Pohl, Restoration Program  
Manager**

**NJDEP Triad Approach Meeting September 4<sup>th</sup>, 2003**




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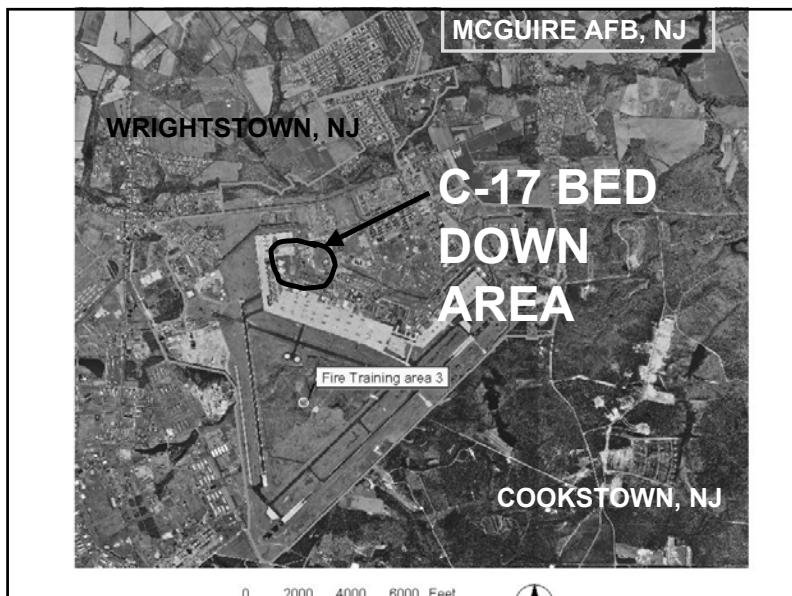
# Topics

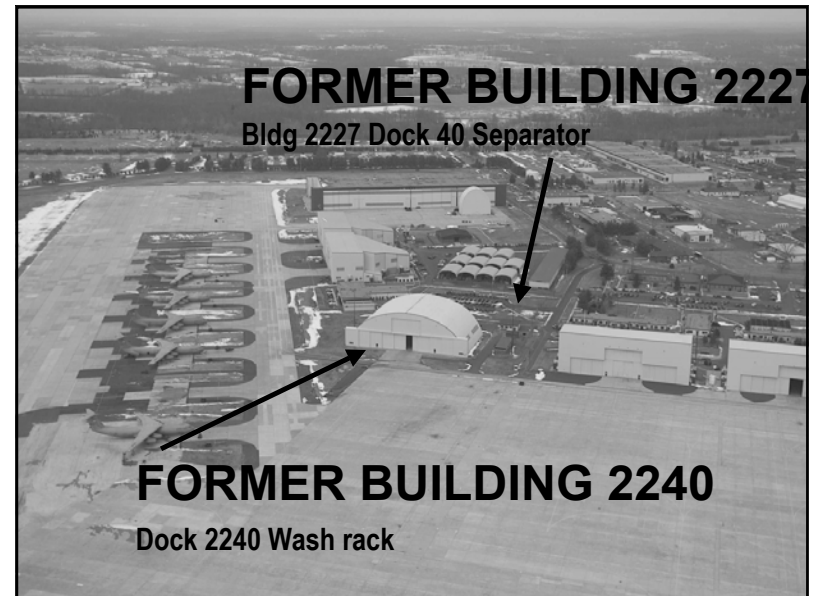
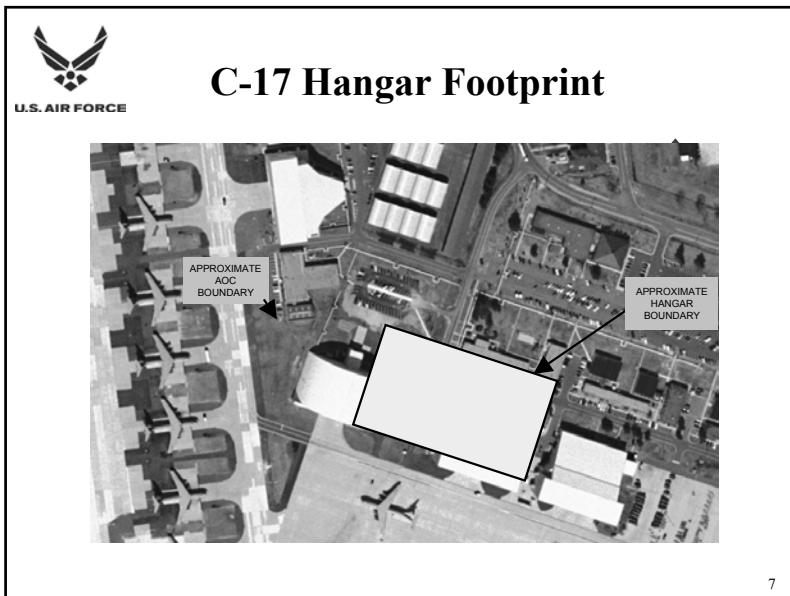
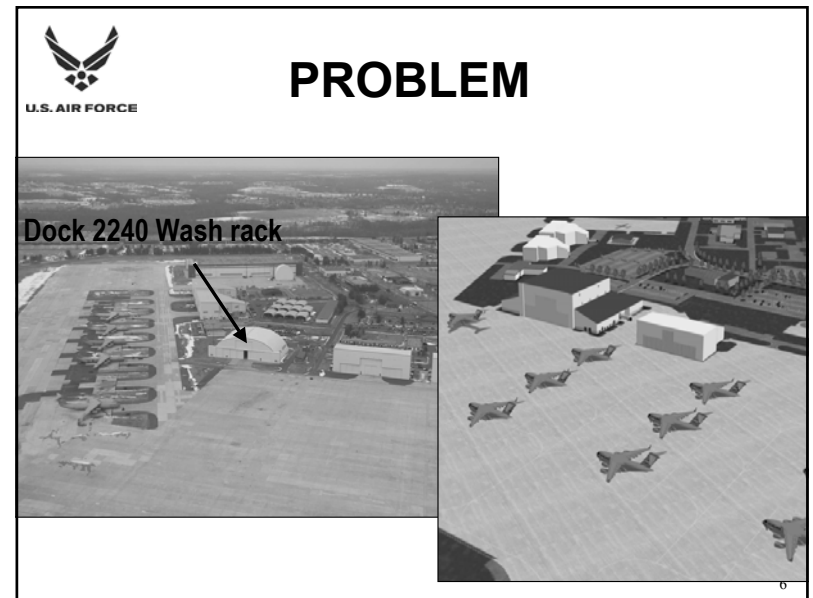


- History of McGuire Restoration Site # SS-24
- FASTRAC
- SS-24 Interim Remedial Action
- Summary



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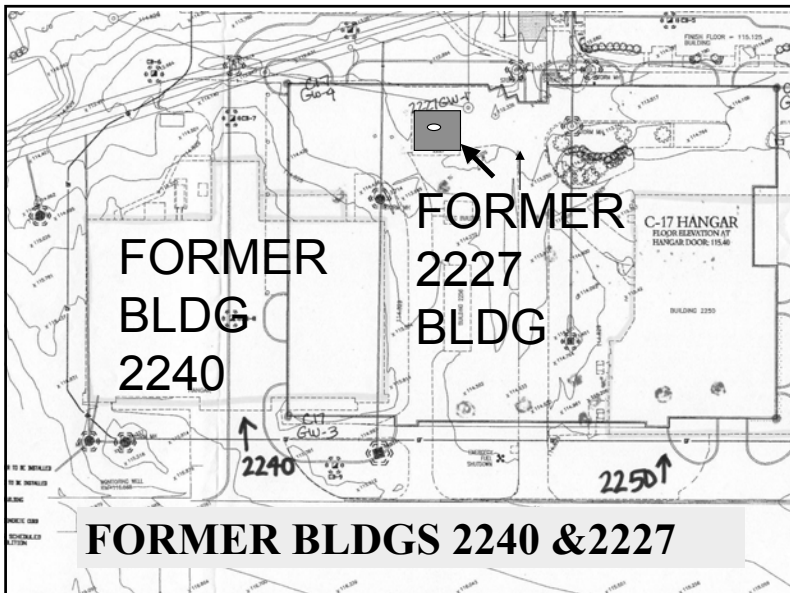



## ISSUES

**FEB 03 - Geoprobe Sample taken at the former Building 2227 site, revealed high levels of organic contaminants & breakdown products in groundwater in this area.**

- ☐ **Tetrachloroethene (PERC) at a maximum concentration of 13,754  $\mu\text{g/L}$   
Regulatory Level 1 $\mu\text{g/L}$**

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## FAST TRACK PLAN

- ☐ 01 APR 03 - Expeditiously characterize this site and develop a remedy
- ☐ Proceed with constructing the hangar on the site.

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## SS-24 Interim Assessment and Remedial Action


- Tasks
  - ☐ Secure/Realign Funding
  - ☐ Develop SOW
  - ☐ Award Contract
  - ☐ Develop Work Plan
  - ☐ Secure Regulator Approval of Work Plan
  - ☐ Complete Characterization
  - ☐ Develop Interim Removal Action Plan
  - ☐ Secure Regulator Approval of IRA Plan
  - ☐ Execute IRA

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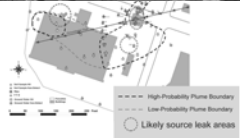
# FASTRAC

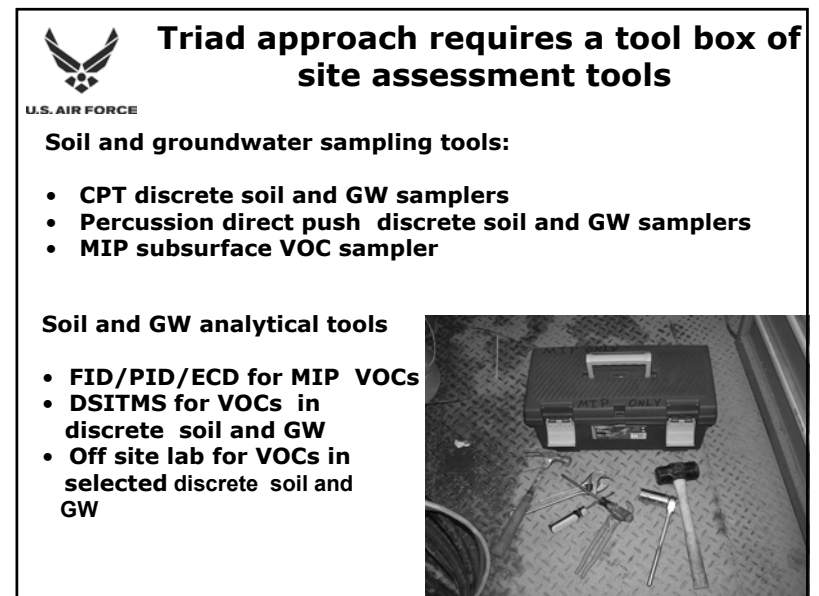
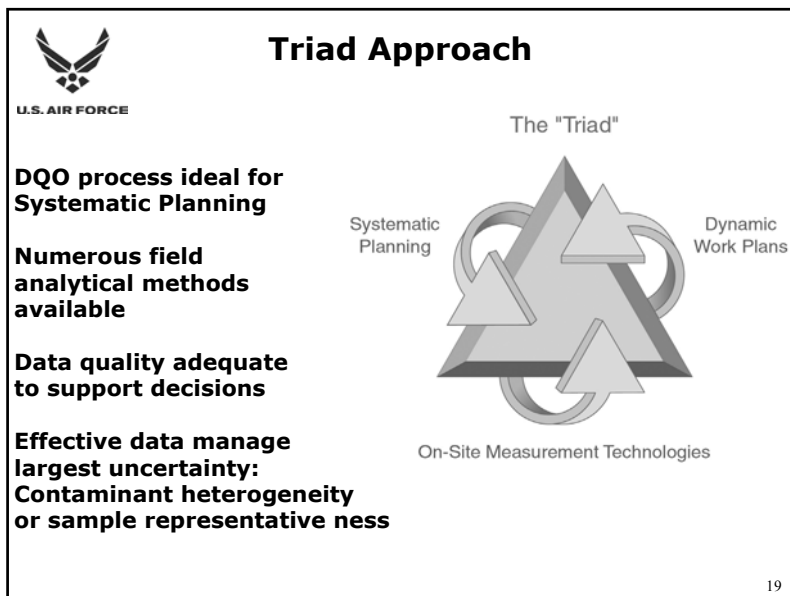
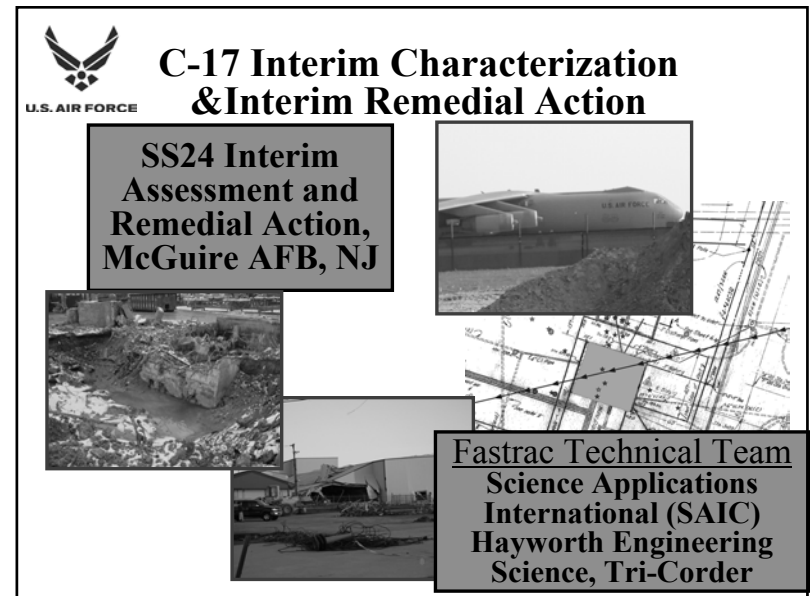
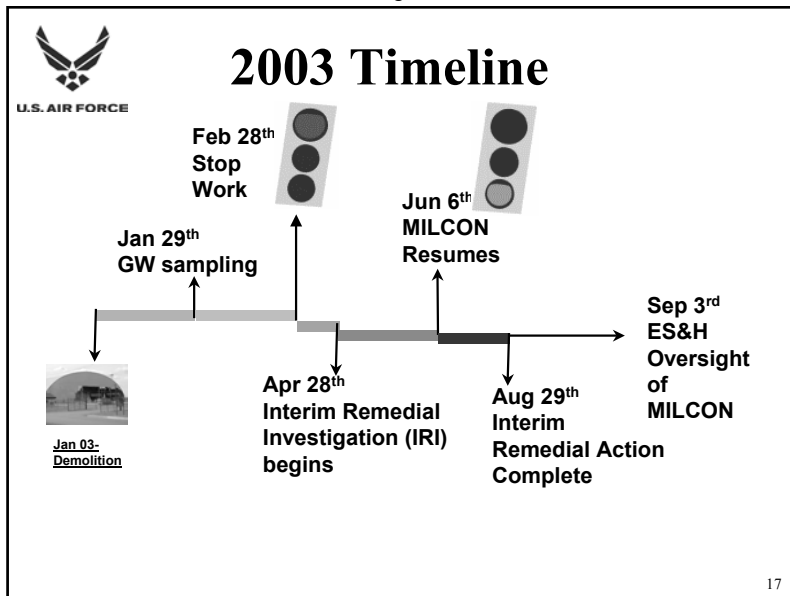
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# FASTRAC

- Incorporates key elements from other expedited assessment methods
- High level of key stakeholder interaction
- Requires experienced **FASTRAC** Technical Team (FTT) empowered to make decisions in the field
- 👍 Completes projects faster, cheaper, and with greater regulatory satisfaction

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**McGuire AFB, NJ C17 Hanger Site Investigation**

**The problem:**


Construction of a new hanger for C17 aircraft delayed by recently discovered potential CI solvent source.

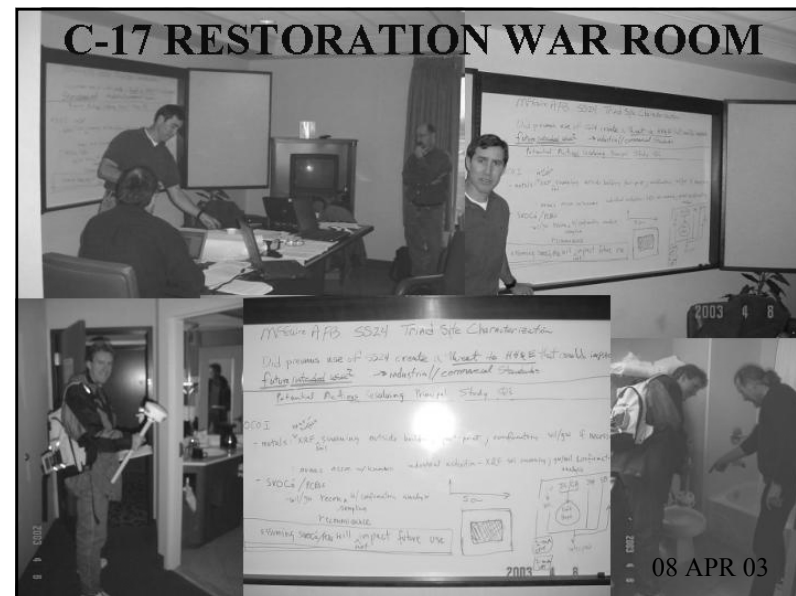
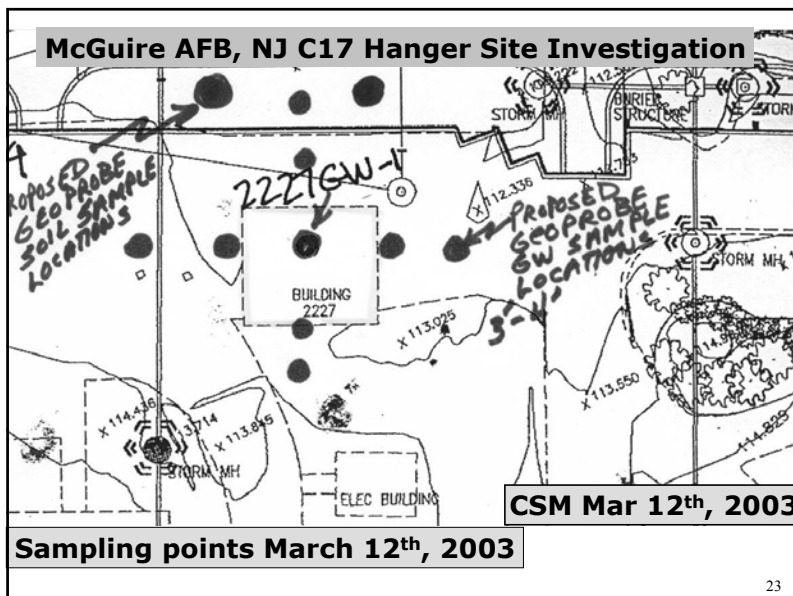
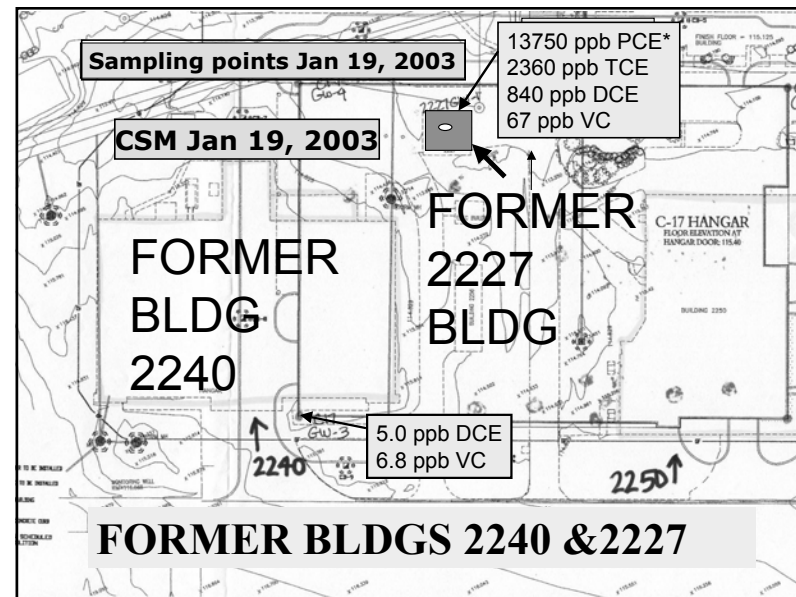
Very limited GW sampling indicated up to 1% of solubility limit PCE

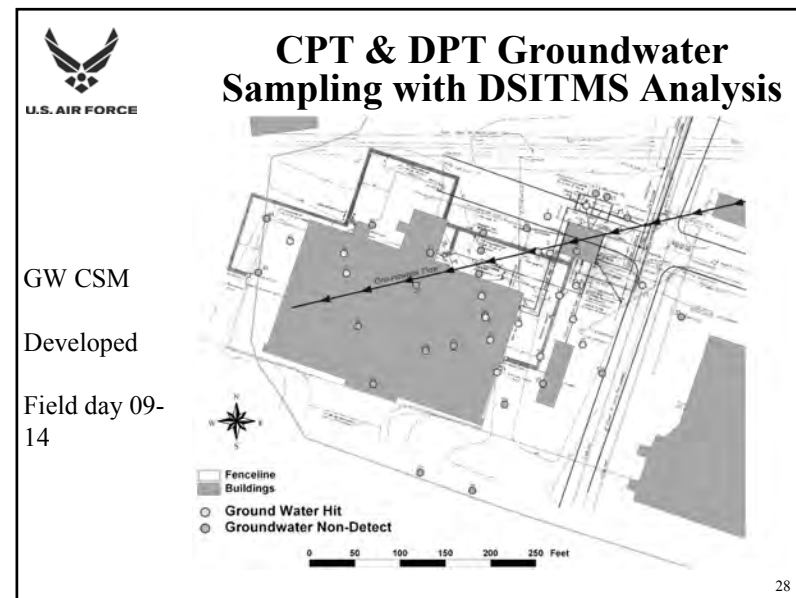
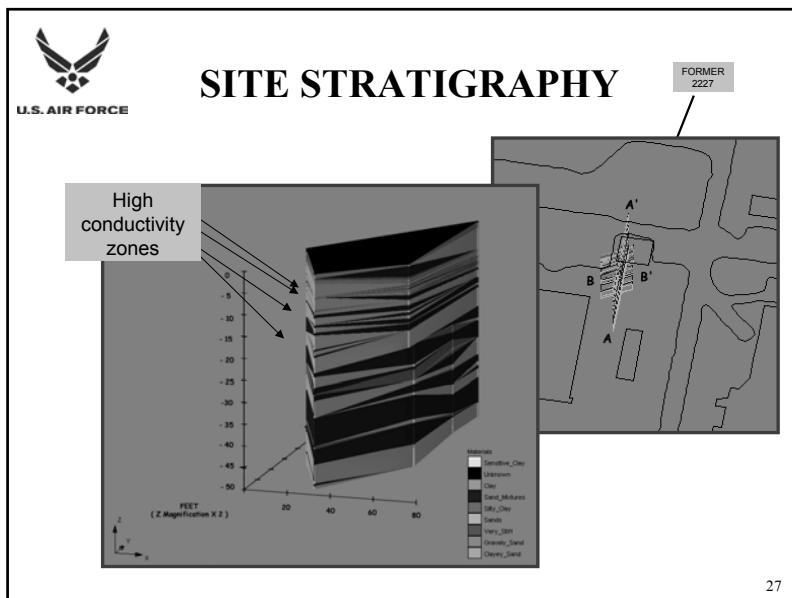
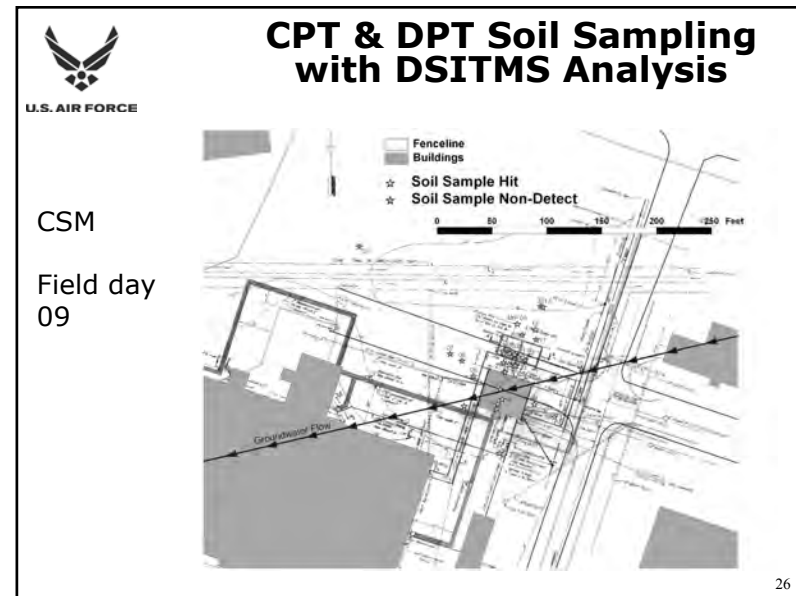
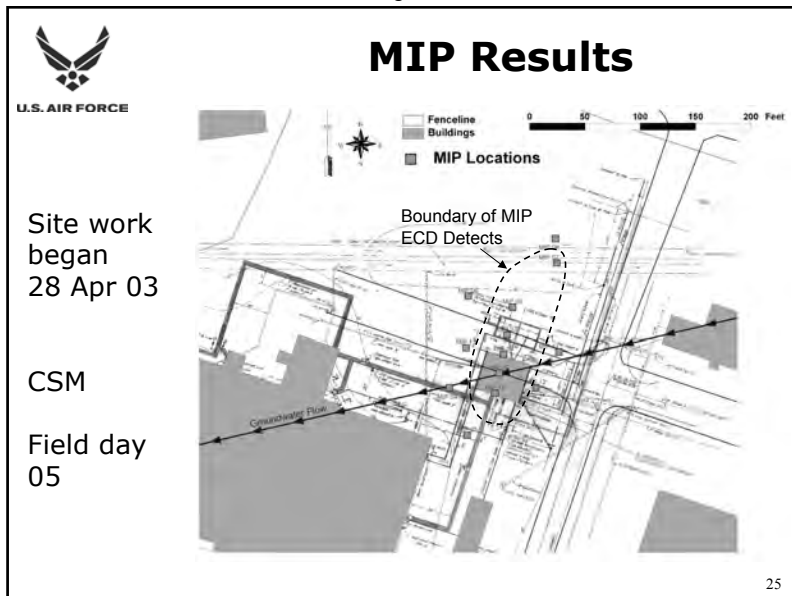
Same data indicated limited distribution of shallow dissolved phase

Apparent dechlorination underway at site

Construction to resume in June 03

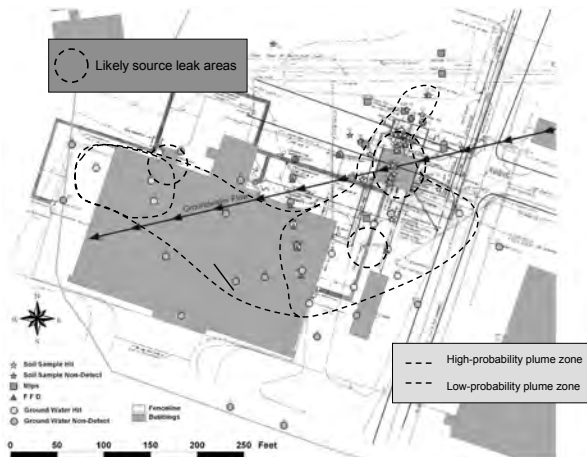






14 field days  
15 MIP penetration  
15 Geophysical CPT penetrations  
>20 continuous soil core logged

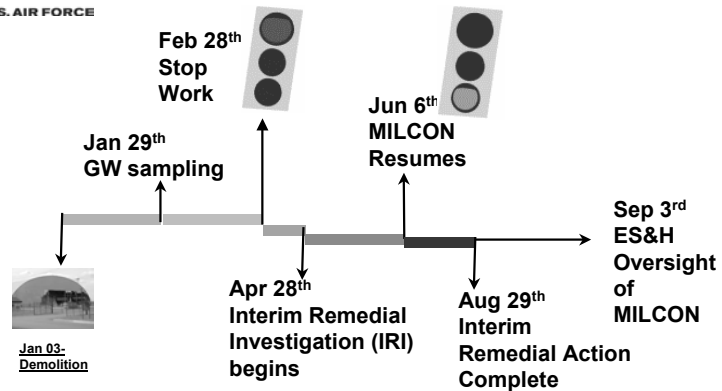
Data collected using DSITMS and EPA Method 8265  
33 soil sampling locations, 234 discrete soil analyses  
45 GW sampling locations, 162 discrete GW analyses  
244 QC analyses



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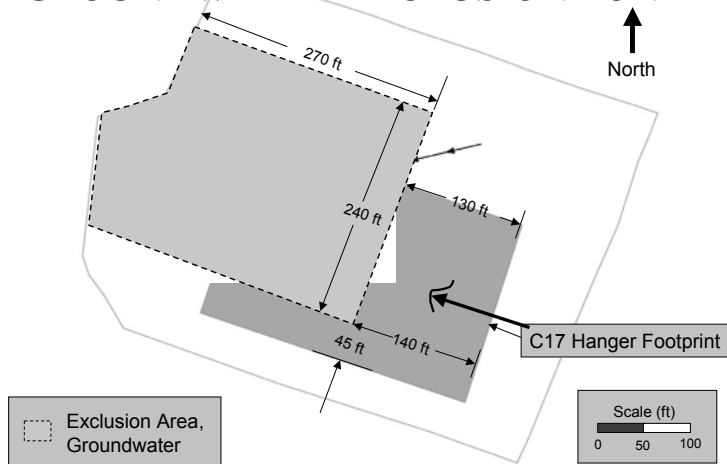


## 2003 Timeline

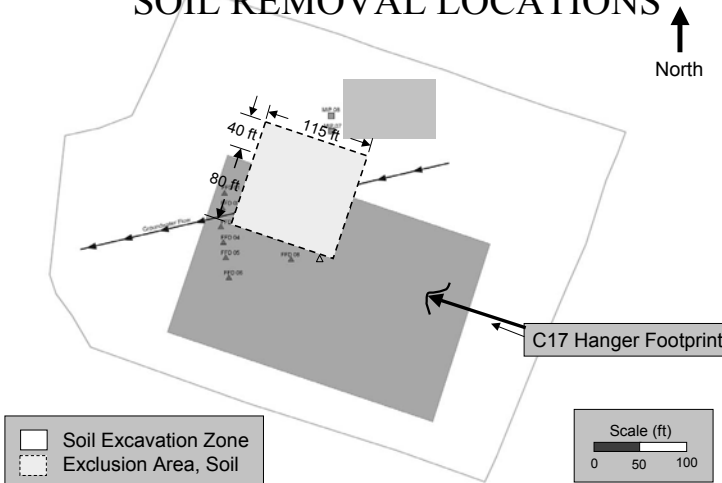


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## GROUNDWATER EXCLUSION ZONE

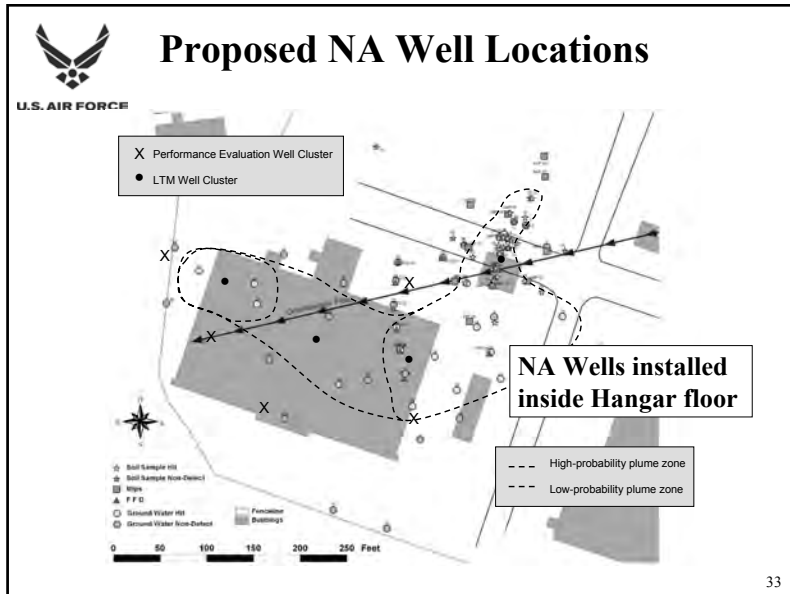


## SOIL REMOVAL LOCATIONS



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**STATUS**

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■ **Tasks (As of 2 AUG 03)**

- ✓ Secure/Realign Funding
- ✓ Develop SOW
- ✓ Award Contract
- ✓ Develop Work Plan
- ✓ Secure Regulator Approval of Work Plan
- ✓ Complete Characterization
- ✓ Develop Interim Removal Action Plan
- ✓ Secure Regulator Approval of IRA Plan
- ❑ Execute IRA

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September 2003

**SUMMARY**

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**Keys to project success:**

- **FASTRAC** Total Restoration Approach
- Outstanding teamwork
- Excellent communications
- Synergistic teaming between the AF, regulators and the FTT
  - Common goal
  - Trust
- Motivated “A-Team” across the board
- Top cover from command

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