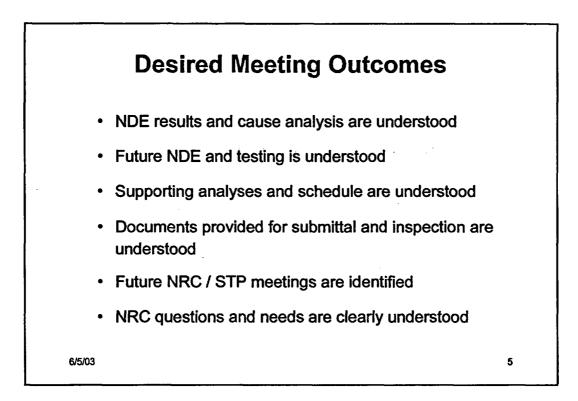
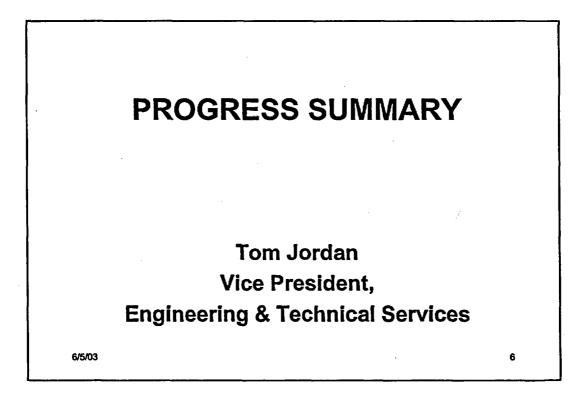
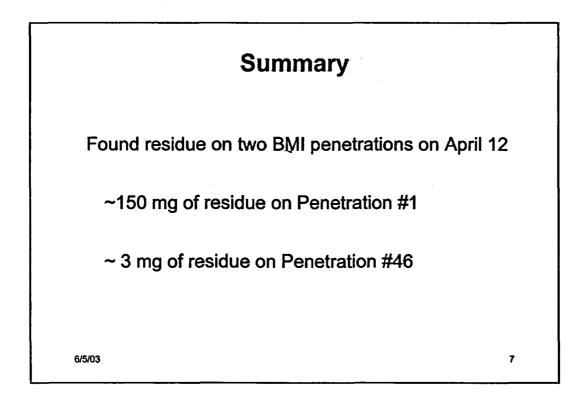


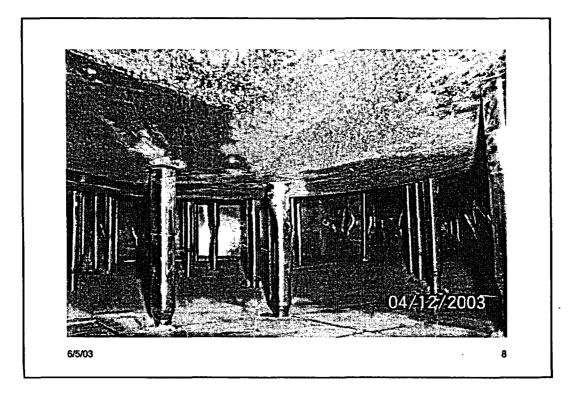
ç

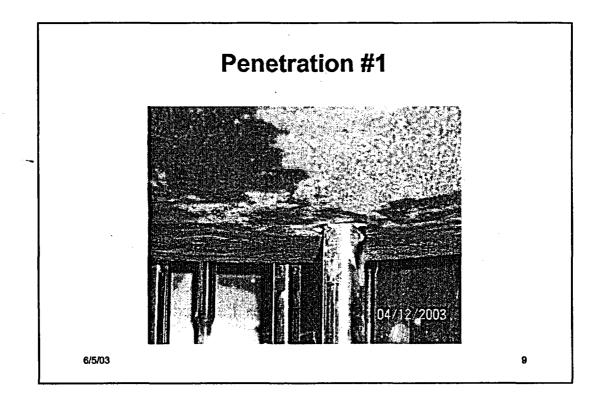


ŝ

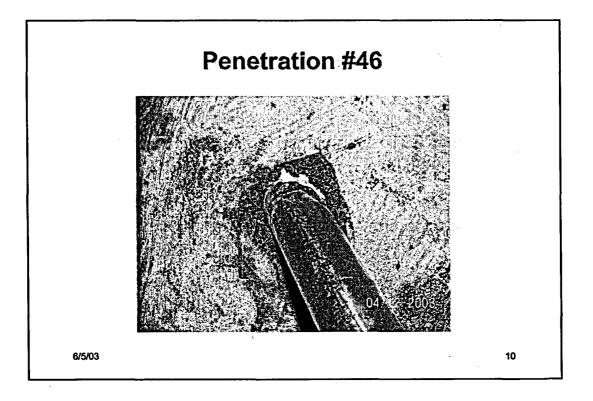


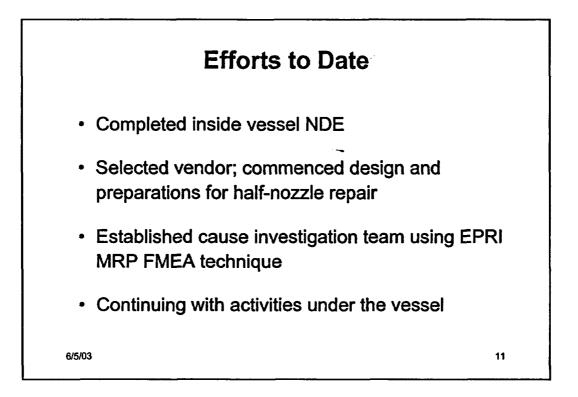


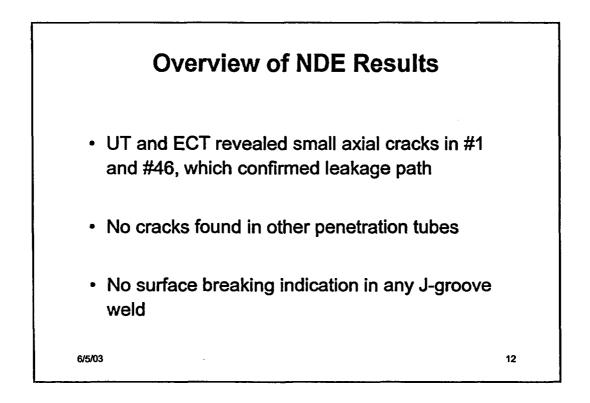


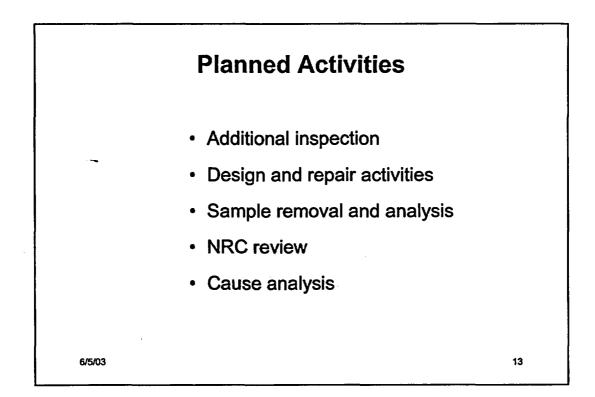


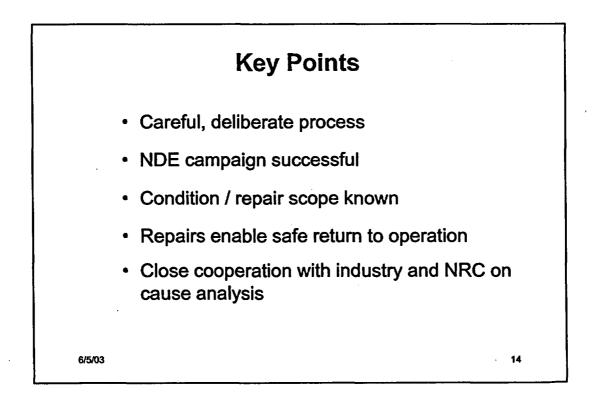
t

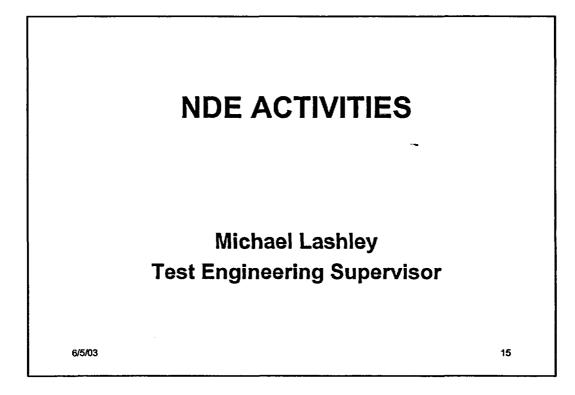


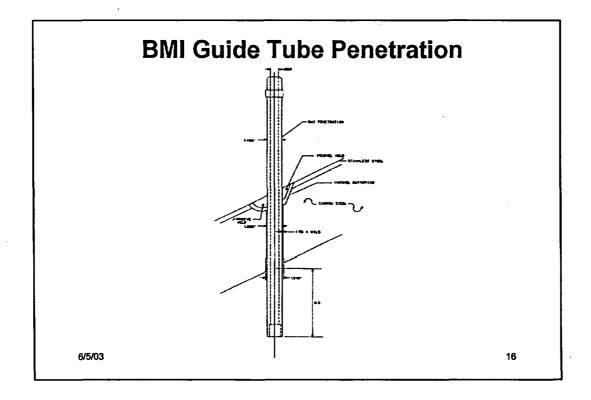


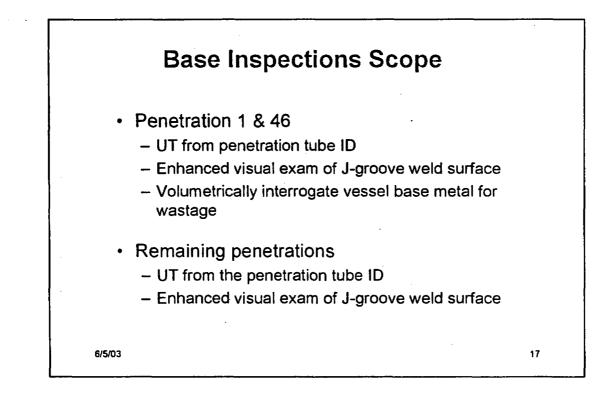


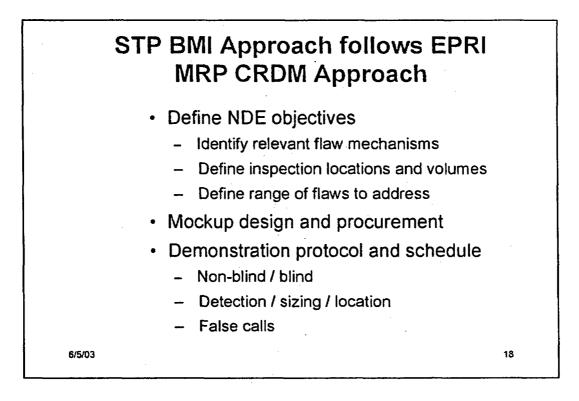


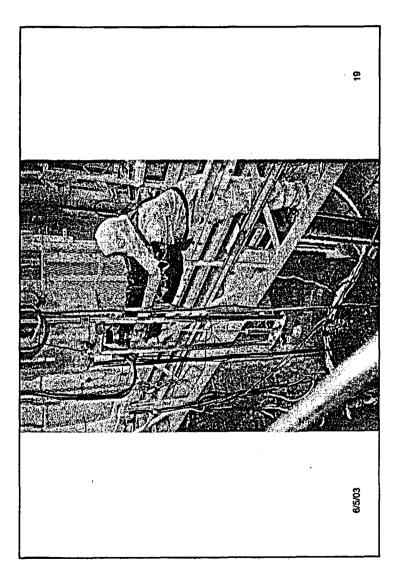


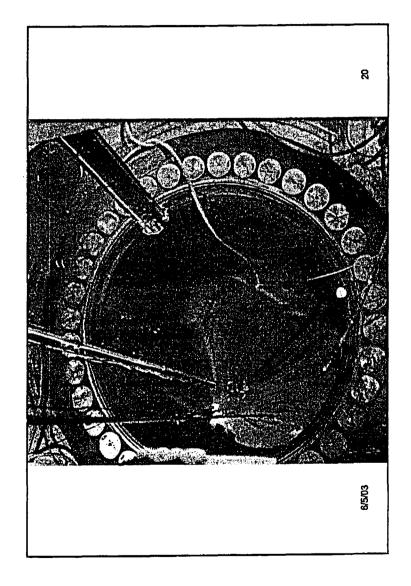


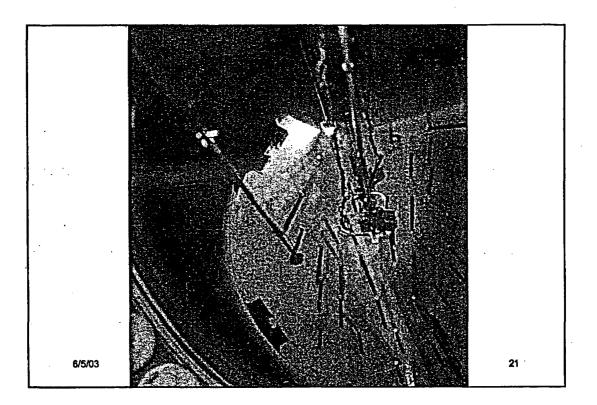


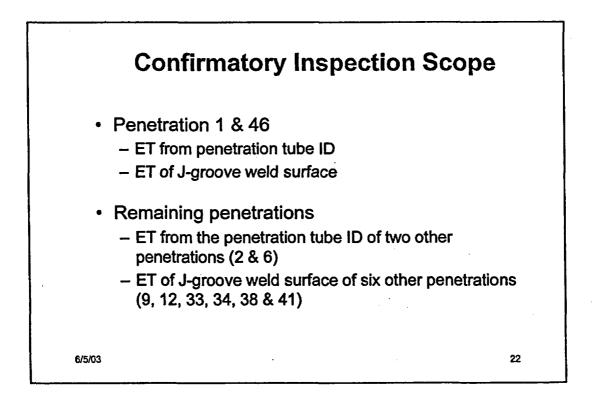


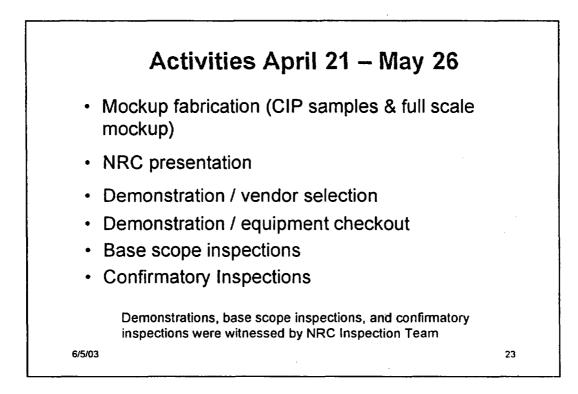


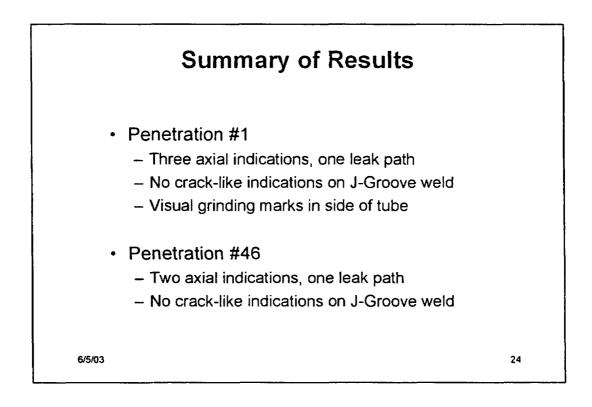


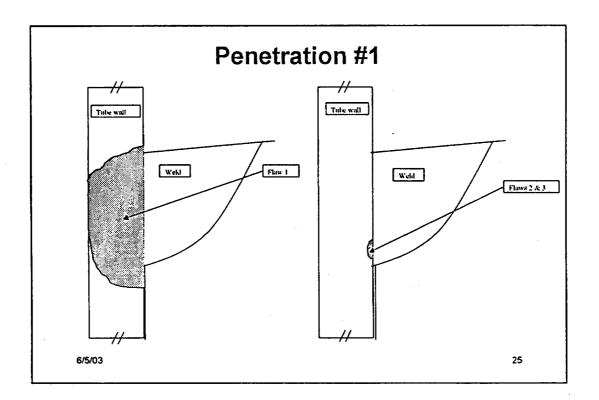


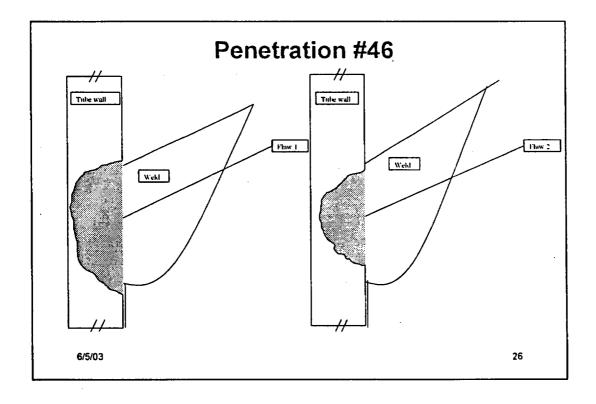


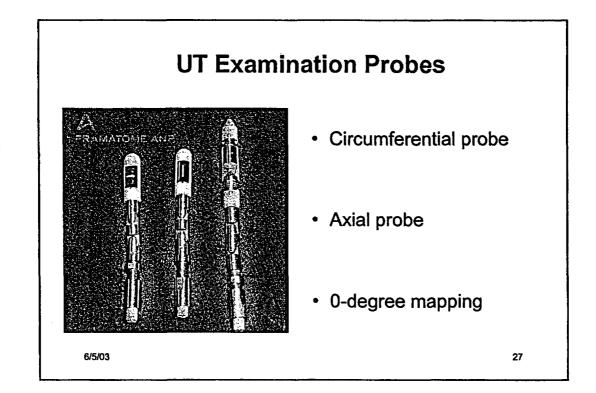


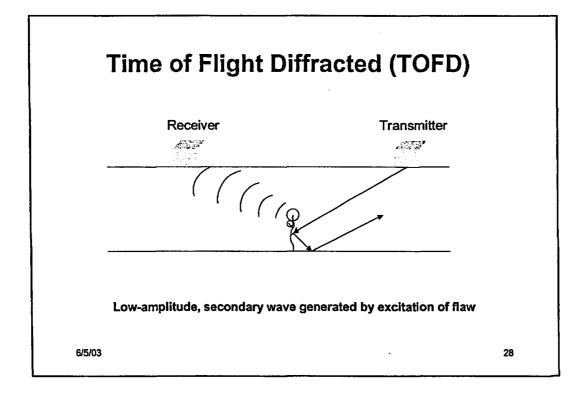




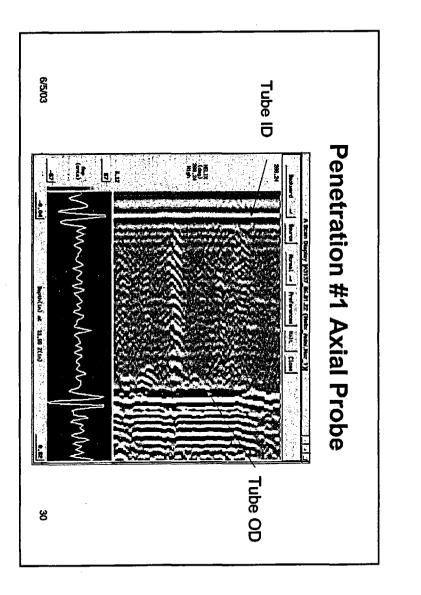


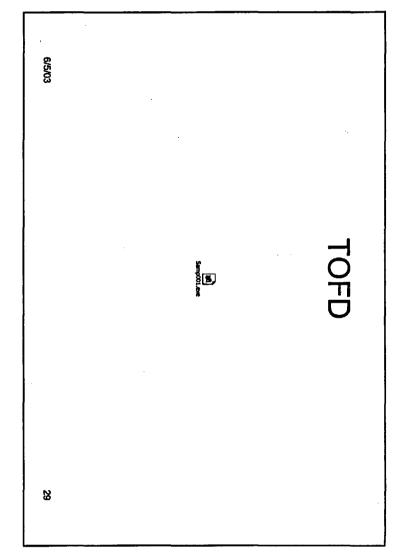






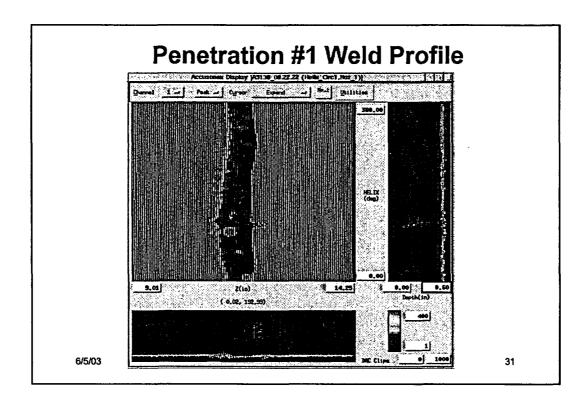
v,

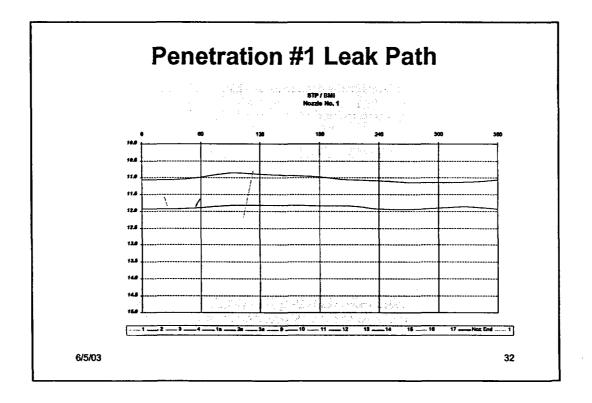


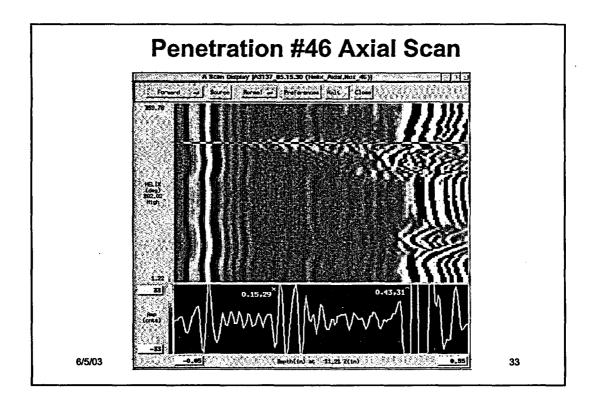


ς.

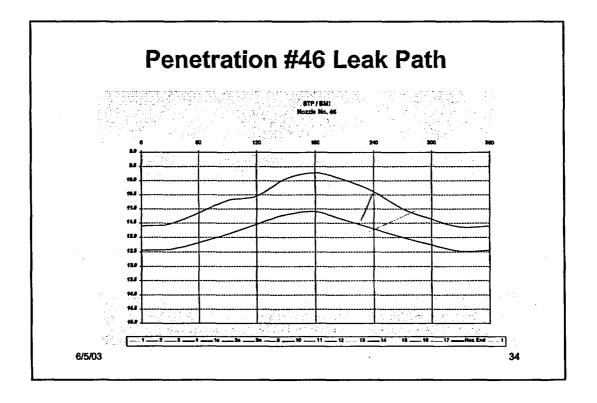
.

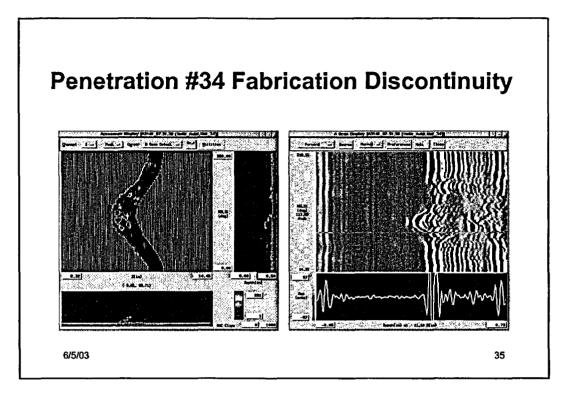


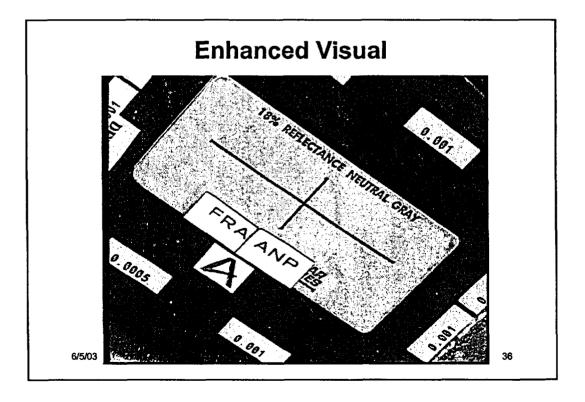


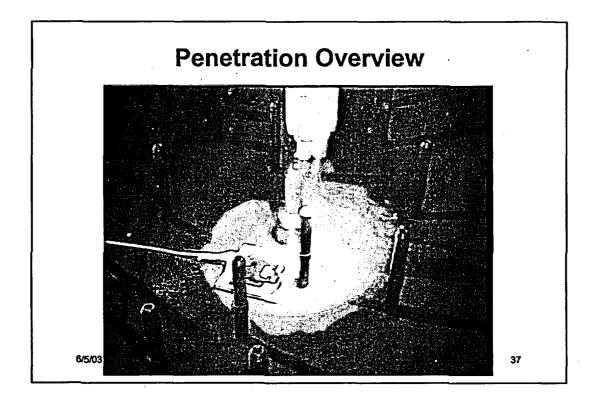


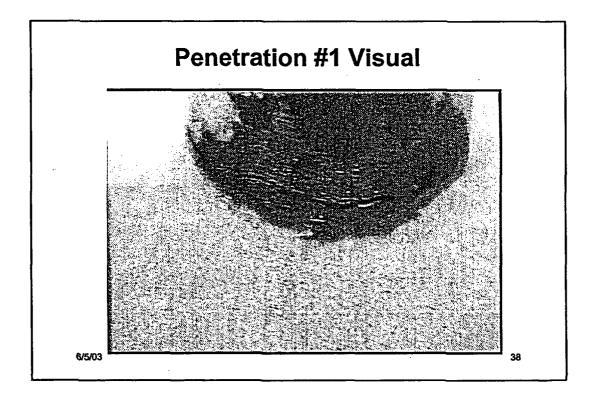
h

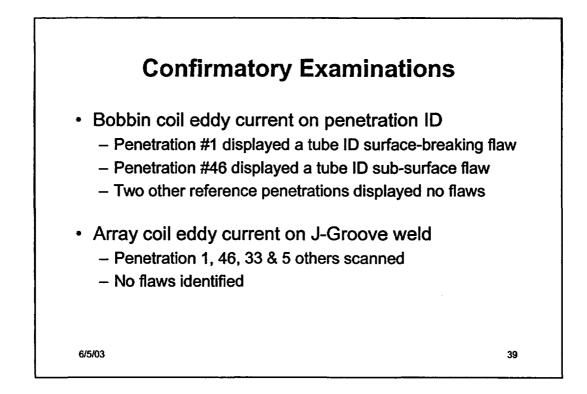


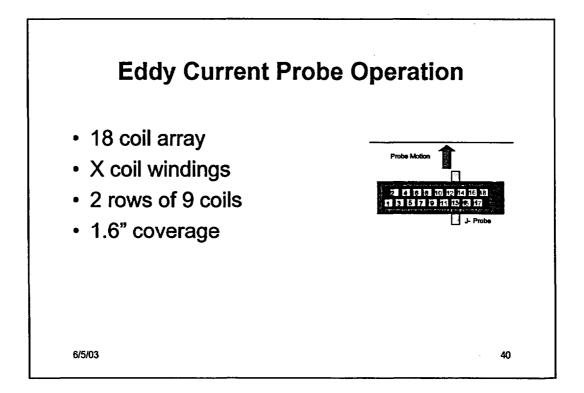


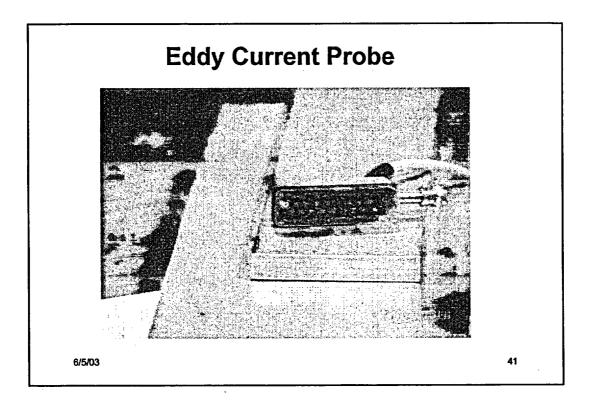


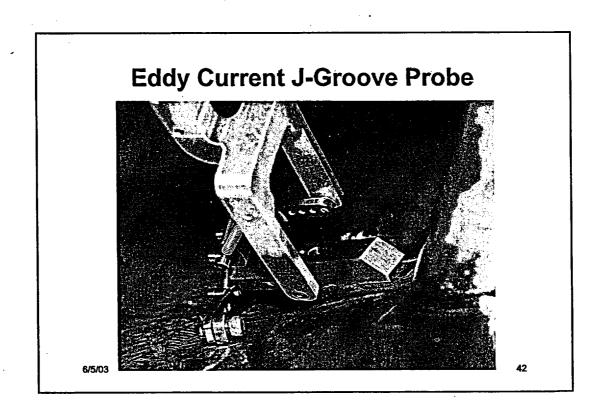


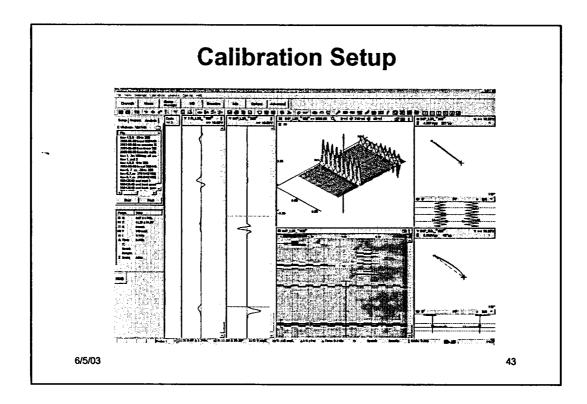


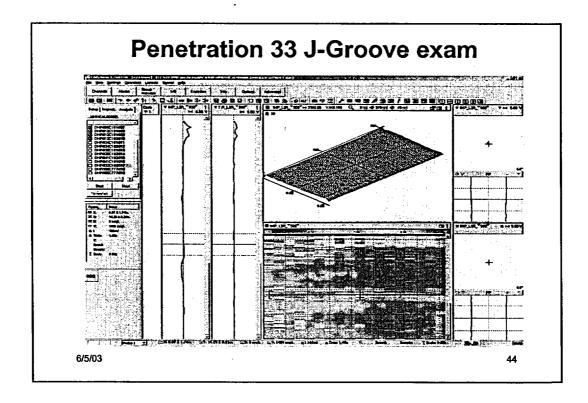


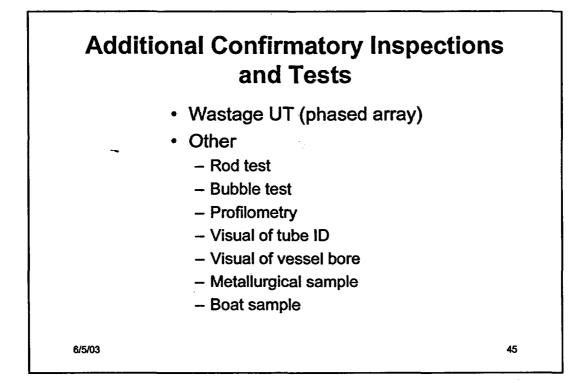


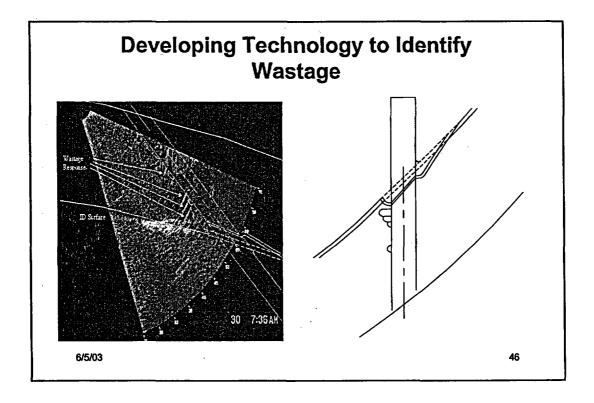


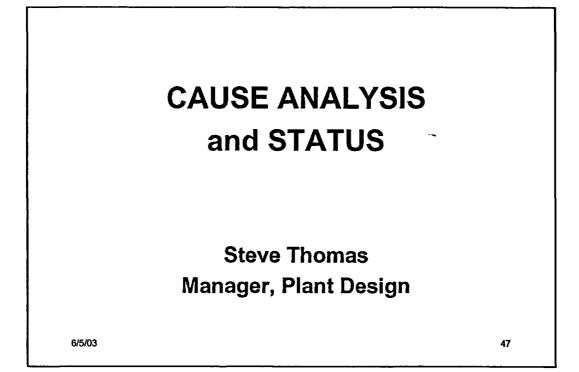


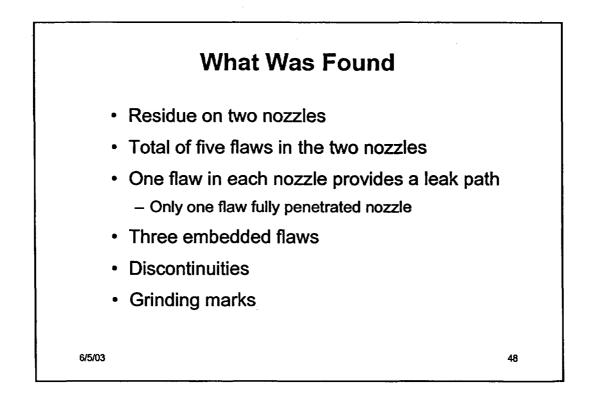


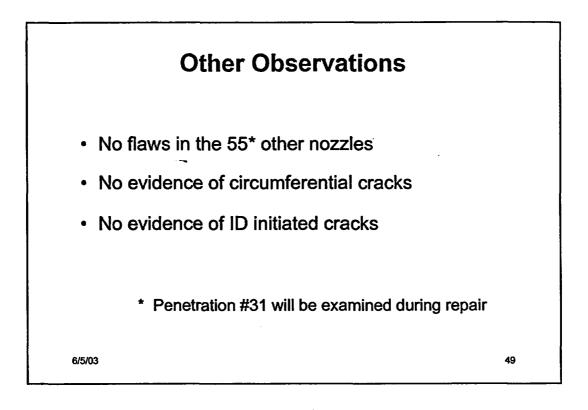


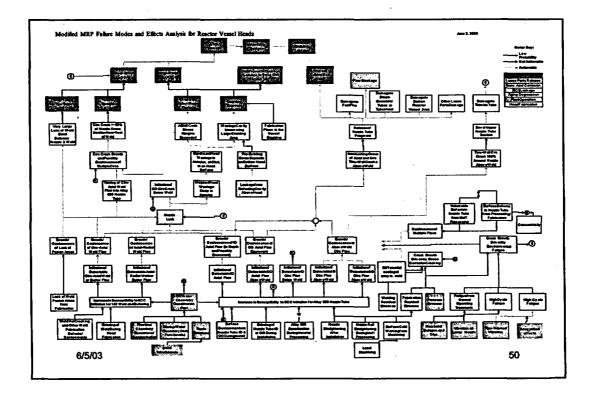


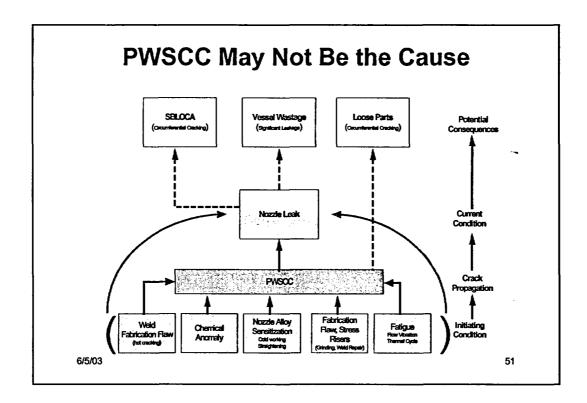


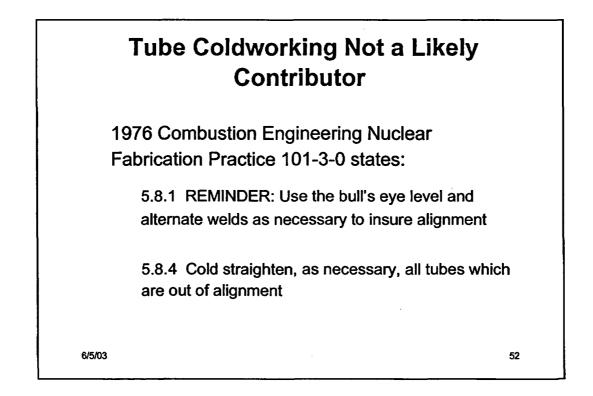


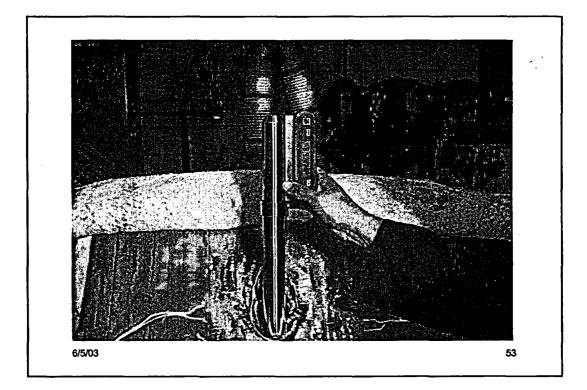


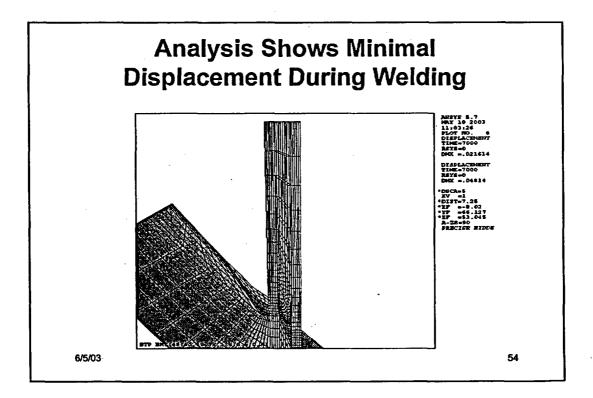


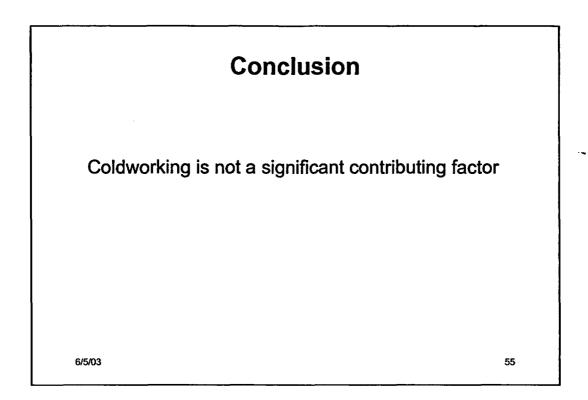


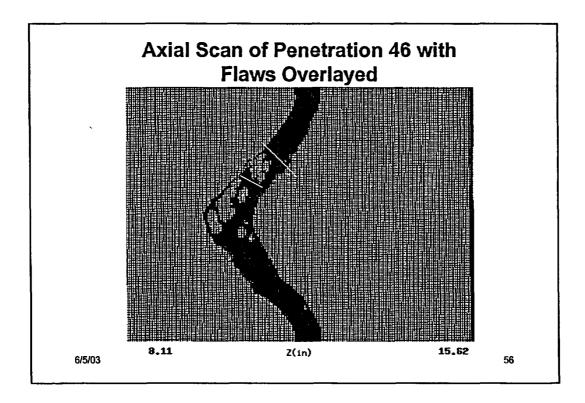


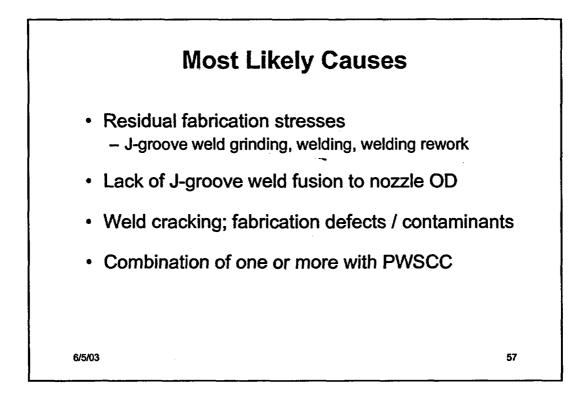


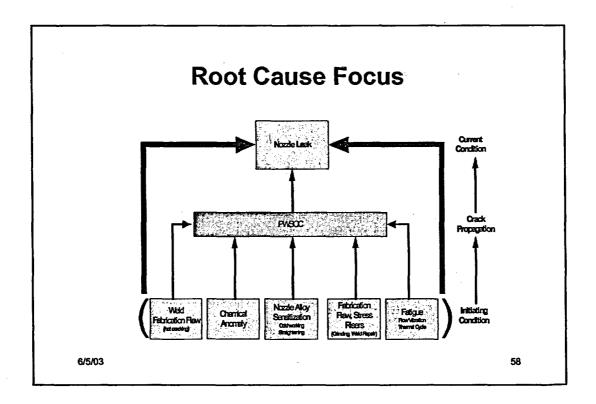


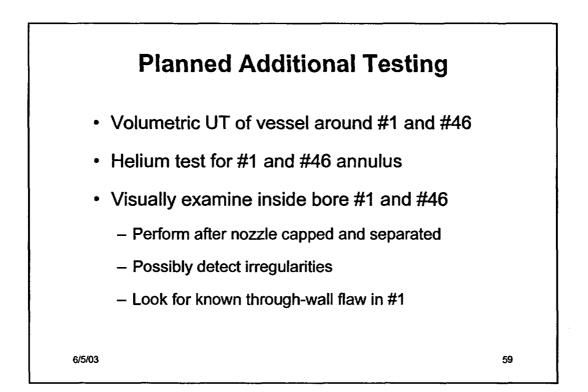


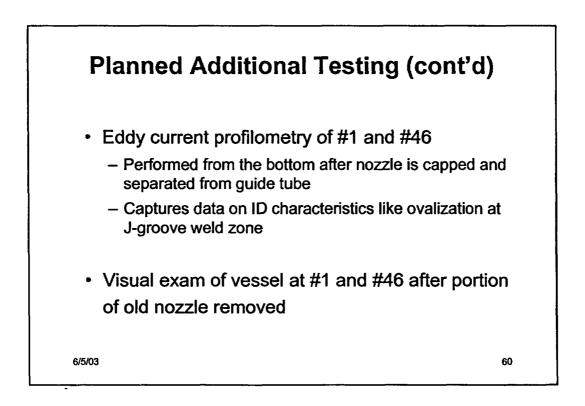


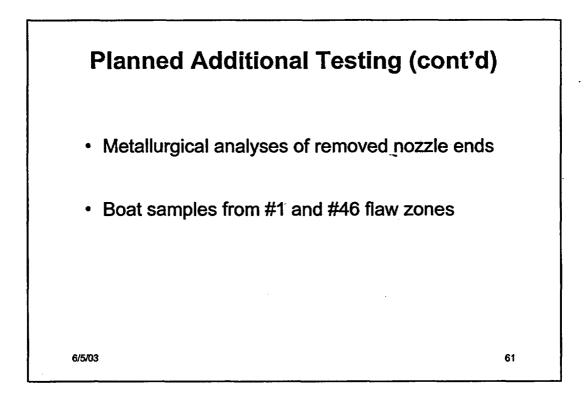


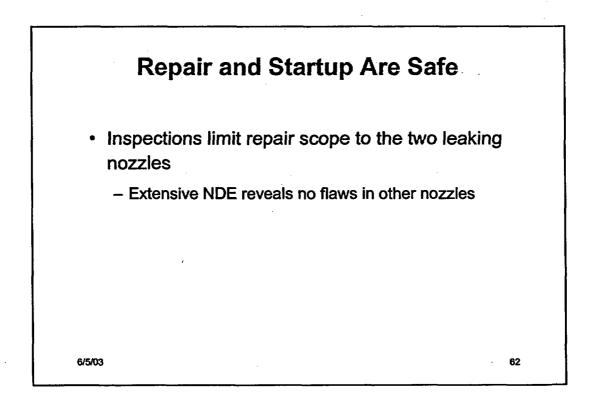


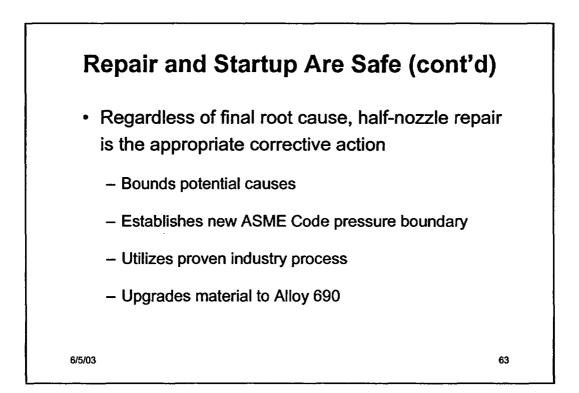


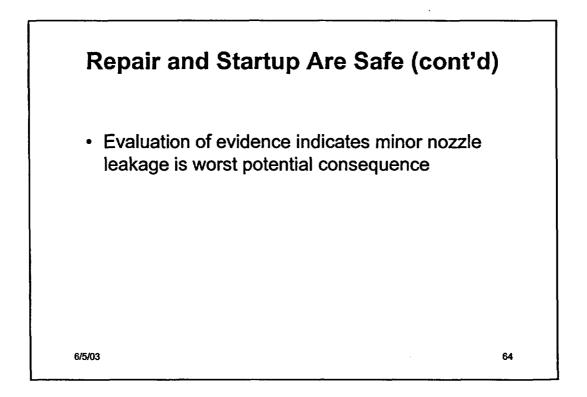


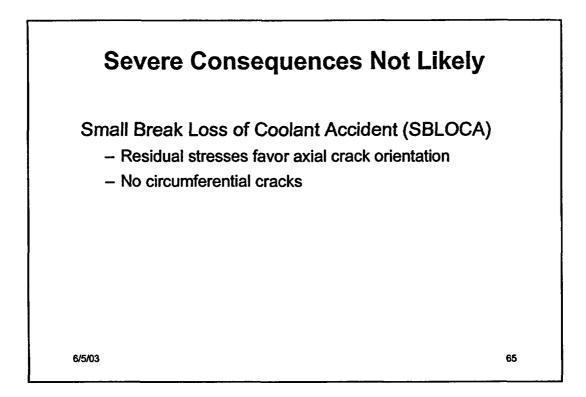


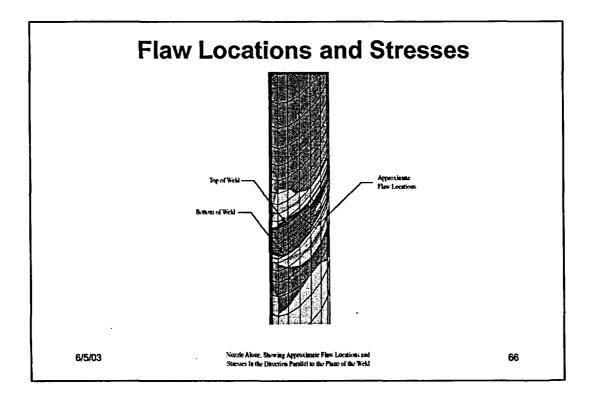


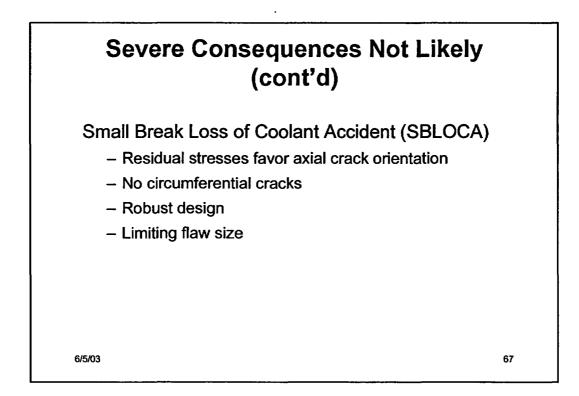


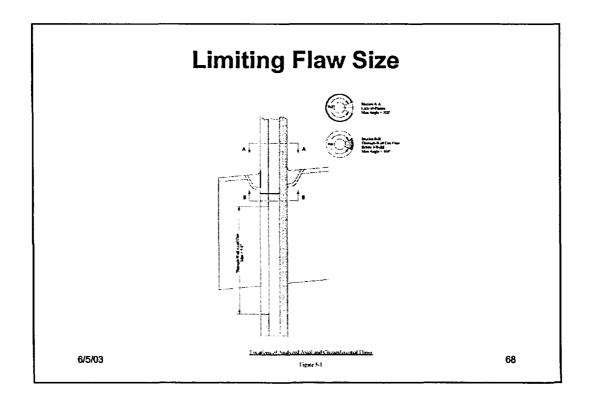










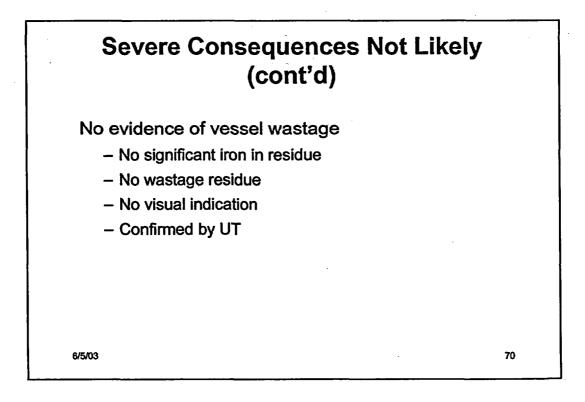


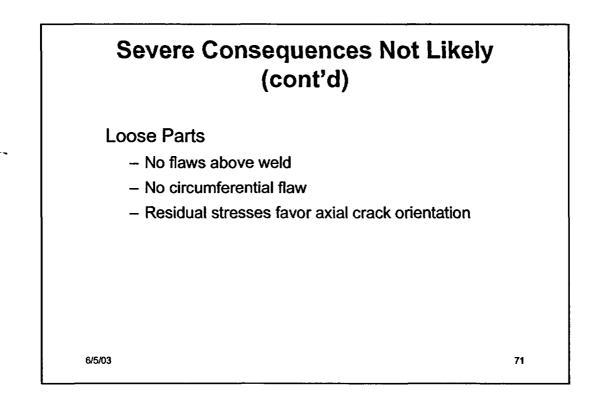
Severe Consequences Not Likely (cont'd)

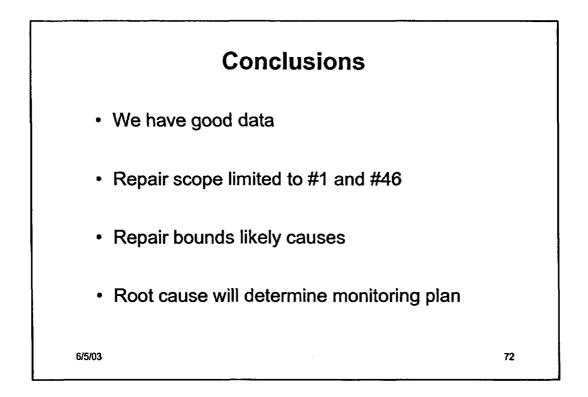
Small Break Loss of Coolant Accident (SBLOCA)

- Residual stresses favor axial crack orientation
- No circumferential cracks
- Robust design
- Limiting flaw size
- Very large safety factor
- Bare metal inspection
- Leak before break

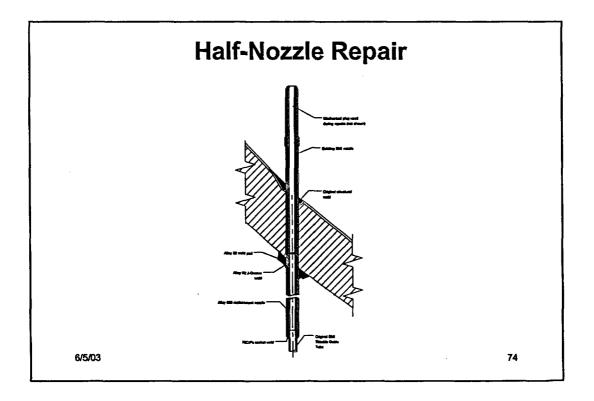
6/5/03

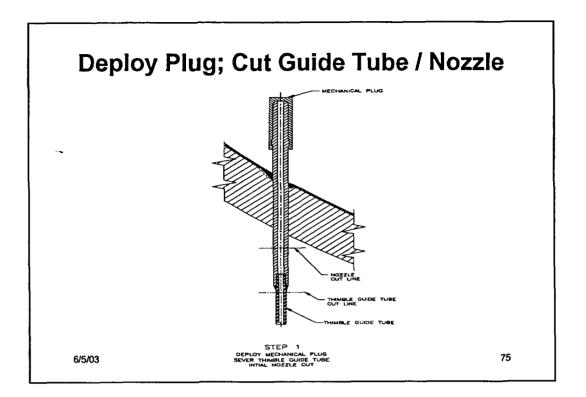


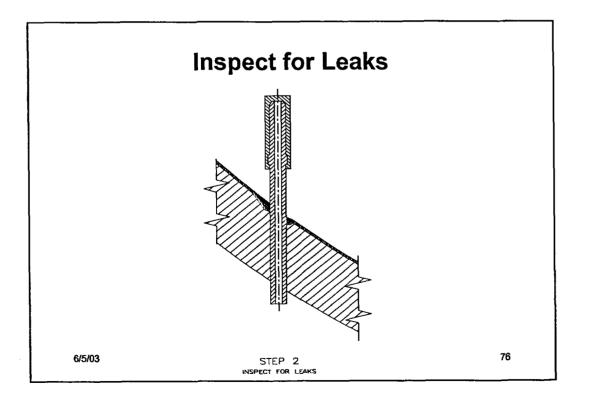


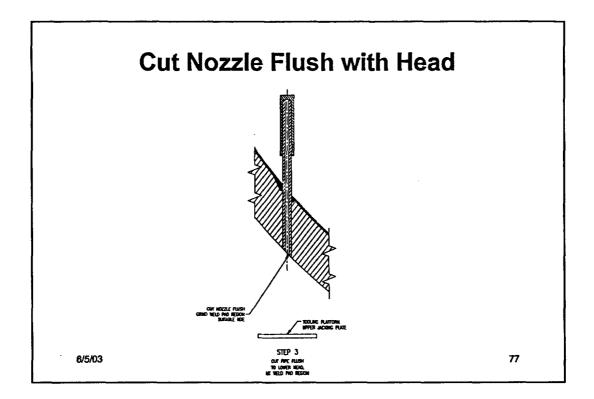


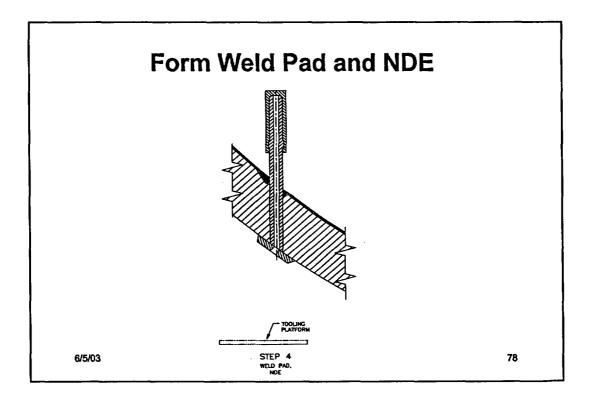


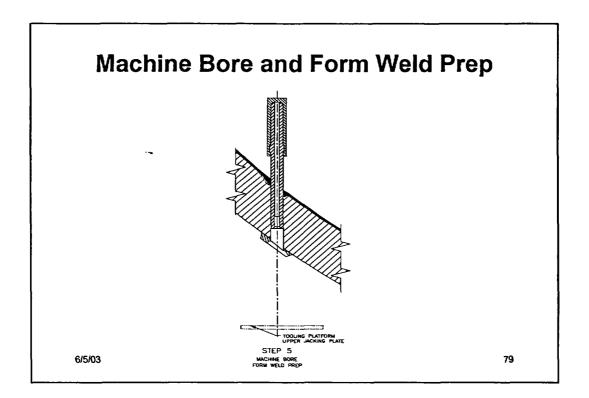


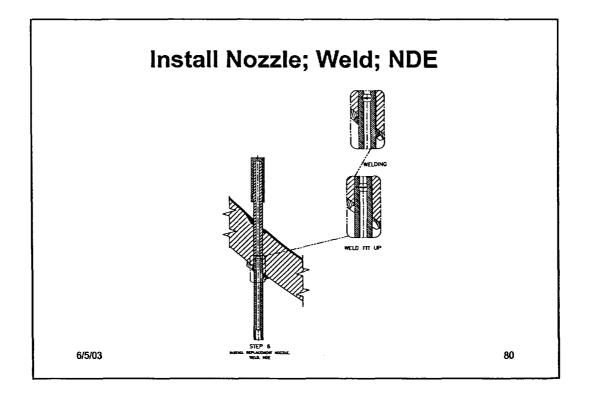


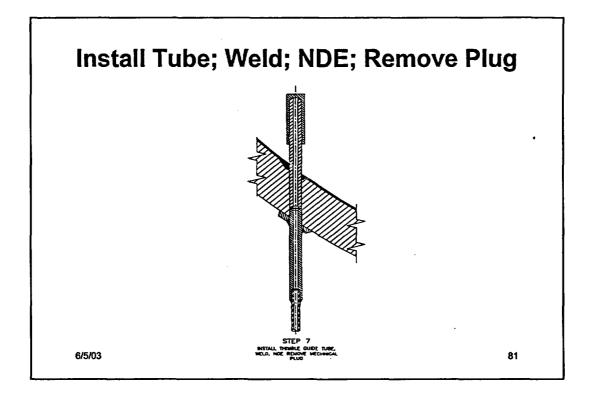


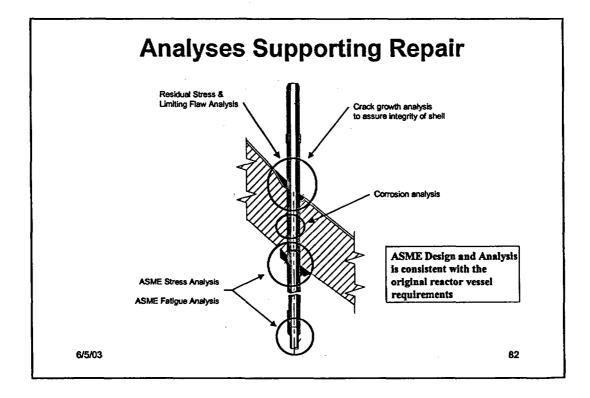


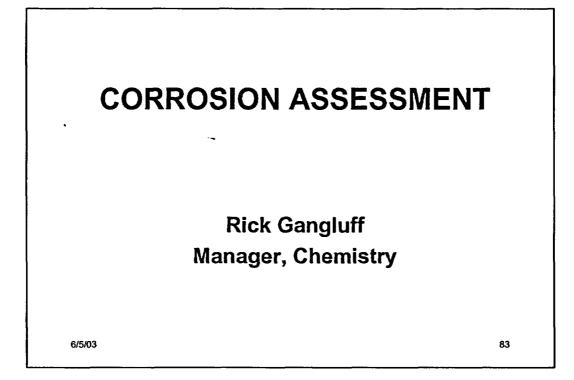


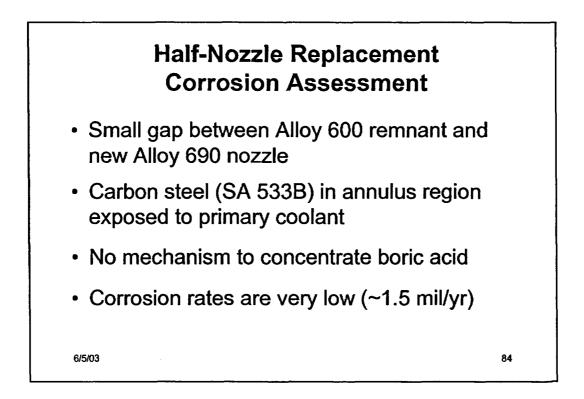


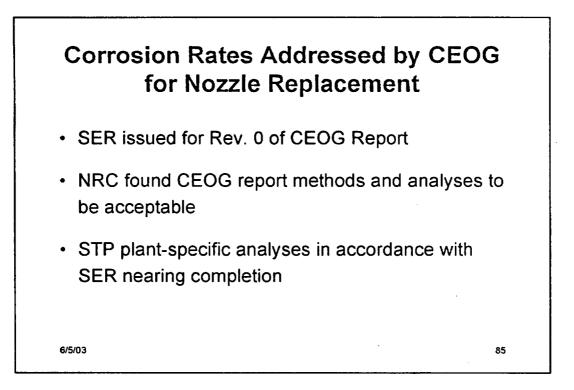


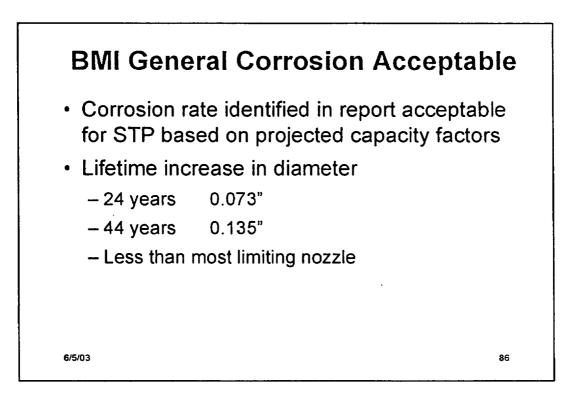












| CONCLUDING REMAF | RKS |
|--|-----|
| Mark McBurnett Manager, Quality & Licensi | ng |
| 6/5/03 | 87 |

| Deliverables | | |
|--|--------|--|
| Nozzle finite element stress analysis | Avail. | |
| Flaw size limits to prevent net section collapse | Avail. | |
| NRC site review visit | TBD | |
| Submit LER | 6-12 | |
| NDE inspection report | 6-14 | |
| Design change (Section III, Section XI, corrosion) | 6-14 | |
| Annulus dilation analysis | 6-15 | |
| Submit temper bead relief request | 6-17 | |
| Nozzle inservice acceptability analysis | 6-30 | |

| Deliverables (cont'd) | | |
|--|-------|--|
| Preliminary cause report (FMEA summary, bounding cause, safety significance, corrective action, monitoring plan) | 7-12 | |
| Rockville meeting (cause report) | - | |
| Public meeting at STP | - | |
| Relief request approval | - | |
| Half-nozzle lab analysis report | 9-21 | |
| Boat sample analysis report | 9-21 | |
| Submit LER supplement (final cause report summary) | 10-12 | |
| 6/5/03 | 89 | |

