Environmental Safety Committee

• Members (S. Pierson, R. Kirby, Y. Pilastro, M. Regan); 8-Pack (K. Jobe, B. McKee, F. Asiri and J. Sevilla)

• Scope of work and site visit

• Recommendations

December 18, 2001
Environmental Safety Committee

• Containment to hold 110% of tank volume.

• Welded berm around the tank (26’ x 19’ x 7”)

• Smaller berm inside the main one (high probability, low impact)
Environmental Safety Committee

- Water test the secondary containment
- No containment over the existing floor penetrations to tunnel (Smaller area of containment)
- Concrete floor and all penetrations (bolts, supports, etc.) must be sealed.
Environmental Safety Committee

• Inspection- Monthly

• Complete clean out job if a major leak ever happened
Surveyed area

(E) Concrete Wall

2' x 2' FALSE FLOOR AT 2' - 6' ABOVE FINISHED FLOOR (TYP.)

MANHOLE COVER
REA OF THE C RACKS

AMPS UP

I & C RACKS

HANDRAIL (TYPICAL)

WELDED STEEL ANGLE FOR SECONDARY OIL CONTAINMENT 7 INCH HIGH (TYP.)

Surveyed area

(E) NLCTA Housing

December 18, 2001
Existing Concrete Floor at ESB

- Instrument used
  - HILTI Ferroscan System
- Survey (two days)
  - Total of 16 Scan files
- Results and analysis
  - See viewgraph of file numbers 9, 11, 13 & 16
Discussion of Results

• Existing slab appears to have reinforcement bar
  – Reinforcement bars are about size #3 (3/8” Dia.) and about 5 inch center to center in either direction (or a welded wire mesh, 6X6-W5.5 X W5.5) and located about 3 inch from the top of slab (3” cover).
  – Based on as built drawings, slab is 6 inch thick.
  – Compressive strength of concrete, TBD
Scan length: 16 ft 4.9
Bar diameter: Default
Trigger depth: 3.0
Bars triggered: 39
Scan length: 16 ft 4.9
Bar diameter: #3
Trigger depth: 3.0
Bars triggered: 38