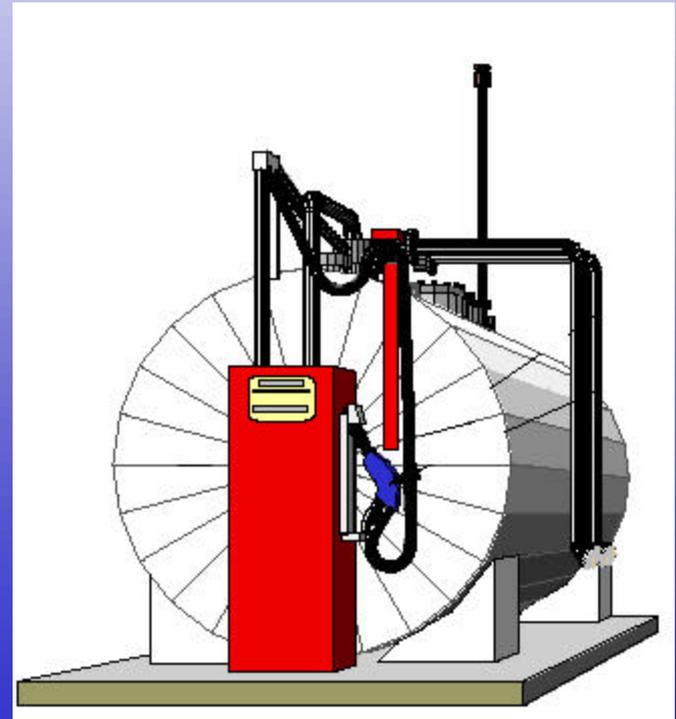


# ABOVEGROUND GASOLINE STORAGE TANK ENHANCED VAPOR RECOVERY WORKSHOP

February 5, 2002

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California Air Resources Board



# Workshop Agenda

- Introductions
  - AST EVR Rulemaking
- Interim AST Certification Guidelines
- Status of AST EVR Efforts
  - Workgroup Meetings
  - Draft EVR Certification Procedure
  - Test Procedure Development
  - Monitoring Activities
- Other AST EVR Activities
- Close

# AST EVR Rulemaking

- Approved Enhanced Vapor Recovery (EVR) requirements do not address ASTs.
- ARB Hearing for new AST EVR Rulemaking scheduled for October, 2002
- AST EVR effort addresses one of CAPCOA's "top ten" issues
- Recent ARB survey showed 5 of 6 systems failed leak decay.

# Interim AST Certification Guidelines

- Guidelines for certifying AST vapor recovery systems from now until the date of the new AST EVR rulemaking.
- Guidelines distributed at June 21, 2001 Workshop and posted on ARB vapor recovery website.

# Status of AST EVR Efforts: Workgroup Meetings

- Workgroup Meetings held on September 18th and December 7th, 2001.
- Recommendation to develop separate AST certification procedure - Draft CP-206.
- Recommendation to evaluate current pressure decay test procedure for ASTs - TP-201.3B

# Status of AST EVR Efforts: Workgroup Meetings

- To prepare AST ORVR compatibility test procedure.
- Concern: Certification testing of non-system-specific components.  
Response: Regulations require sufficient operational testing to verify reliability.
- Recommendation to continue AST monitoring effort through summer, 2002.

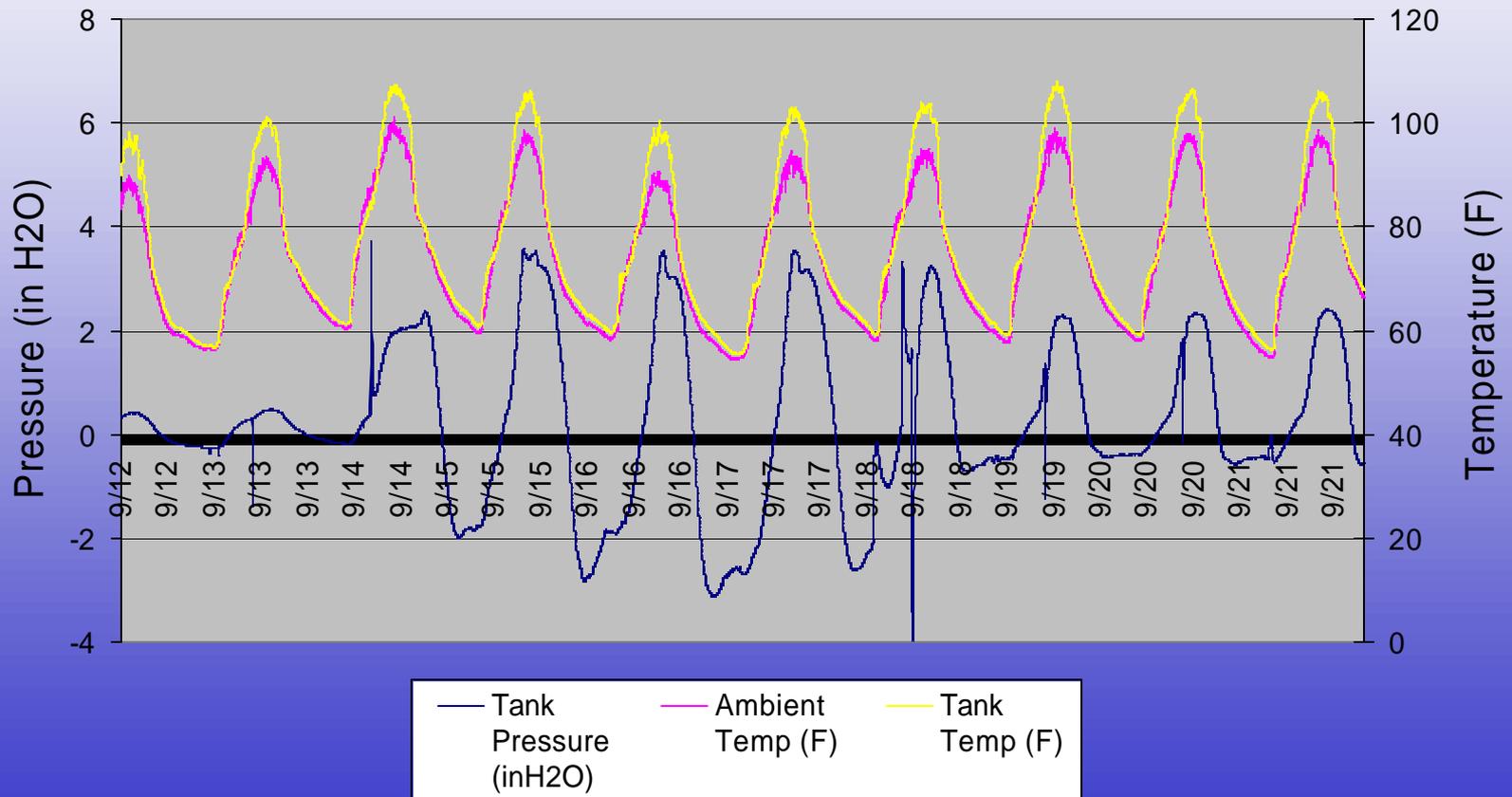
# Current Monitoring Activity

- Monitored a 1,000 gallon insulated AST from mid-September through mid-January.
- Data acquisition system monitors ambient temperature/pressure and tank vapor pressure/temperature
- Balance system with single top-mounted dispenser.
- Pressure decay tests conducted every two weeks.

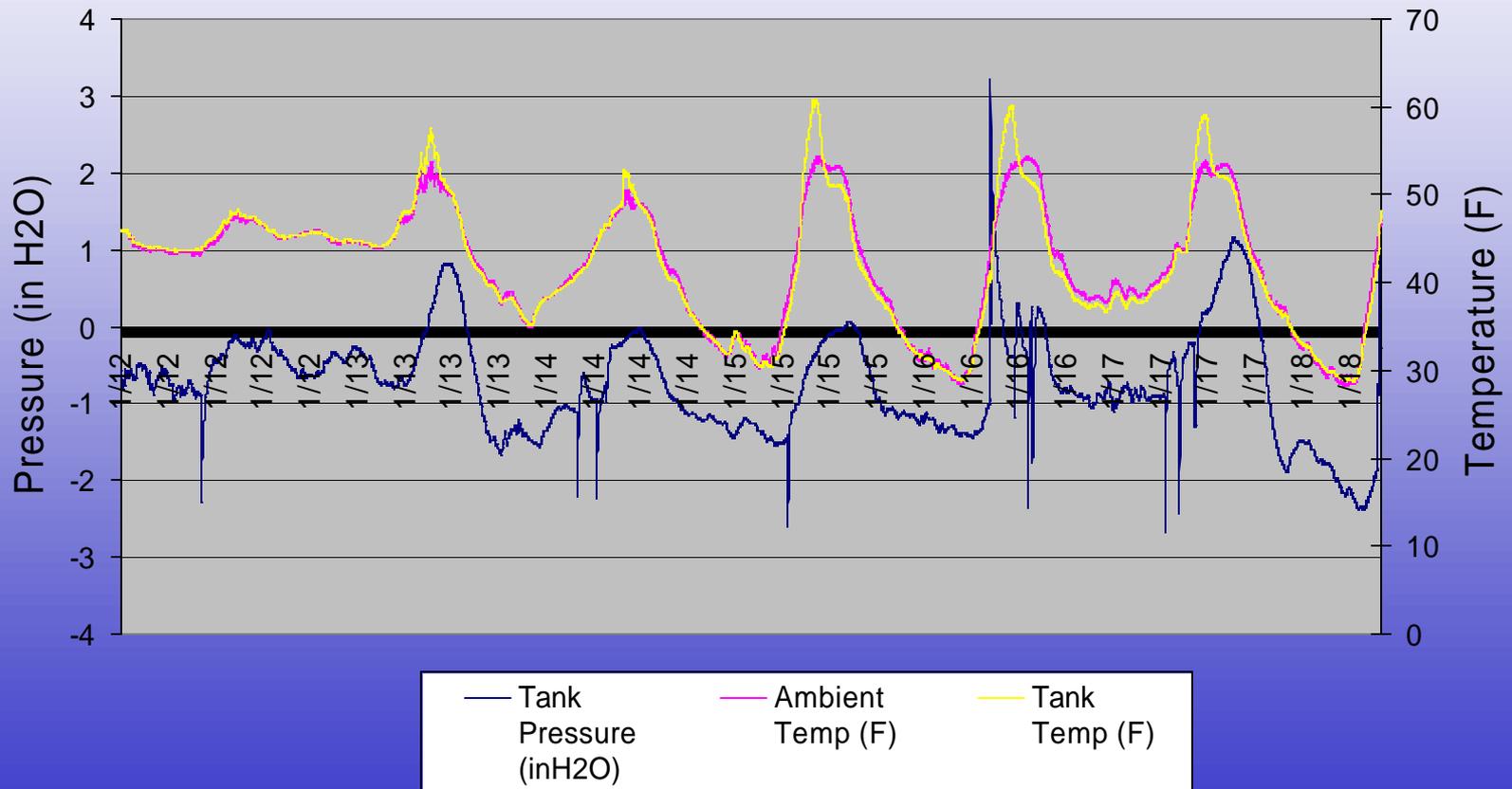
# Monitoring System



# Tank Pressure (inH2O), Tank and Ambient Temperature (F) 9/12/01 thru 9/21/01



# Tank Pressure (inH2O), Tank and Ambient Temperature (F) 01/12/02 thru 01/18/02



# Additional Monitoring

- Up to four AST vapor recovery systems per month; two balance and two vacuum assist.
- All systems to include both small and large capacity tanks.
- Additional monitoring to begin in early February and extend through summer, 2002.
- Need host sites in or near Sacramento.

# Other AST EVR Activities

- Continue survey of AST systems.
- Conduct efficiency testing on existing systems.
- Next Workgroup meeting scheduled in March.
- Develop AST webpage.

# Contact

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