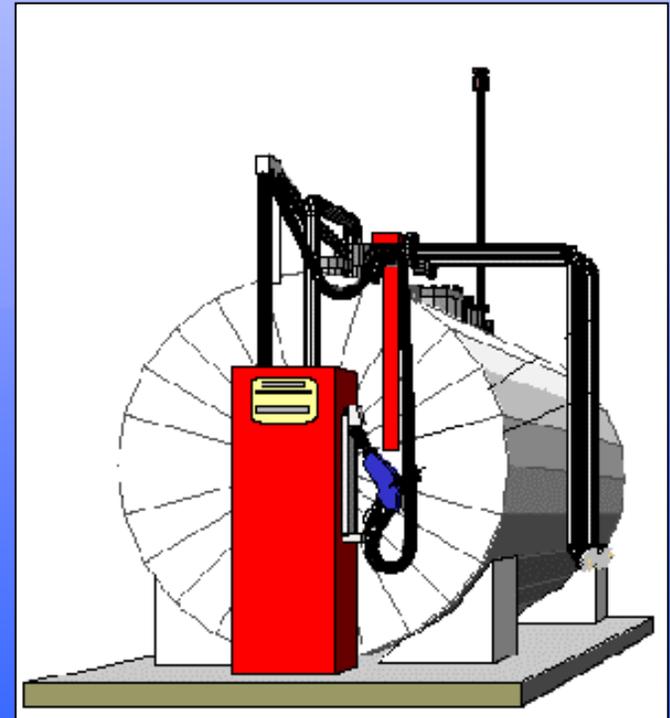


# Aboveground Storage Tank Enhanced Vapor Recovery Workgroup Meeting November 6, 2002

**Pat Bennett**  
**Engineering Evaluation Section**  
**Monitoring and Laboratory Division**  
**California Air Resources Board**



# Workshop Agenda

- **Welcome and Sign-In**
- **General Discussion of AST EVR Efforts**
- **Emergency Vent Conference Call**
- **AST Inventory Update**
- **AST Monitoring**
- **Workgroup Draft CP-206**
- **Development of Fugitive Emissions TP**
- **Open Discussion**
- **Schedule Next Meeting**

# General Discussion of AST EVR Efforts to Date

- **Workgroup Meetings/Workshops**
- **AST Pressure Monitoring**
- **AST Efficiency Testing**
- **AST Inventory**
- **Workgroup Draft CP-206**

# Emergency Vent Conference Call

- **Discussion of Existing Style  
Emergency Vents**
- **Technical and Economic  
Overview of Rupture Disks**
- **Minutes available on AST  
website**

# AST Inventory Update

- **AST Manufacturer Survey (7 Mfrs.)**
  - **3,437 Non-Agricultural ASTs**
  - **2,406 Agricultural ASTs**
- **Air District Survey (17 Districts)**
  - **1,642 Permitted ASTs**
- **CAPCOA suggestion to contact CUPAs**

# AST Monitoring Status

- **1,000 Gallon Balance Single-Wall AST**
  - Phase I only.
  - P/V volumetric emissions monitored.
  - Maximum ullage pressure 10.5 in H<sub>2</sub>O.
- **6,000 Gallon Balance AST**
  - Emergency vent replaced. Drop tube seal installed. Fuel gauge currently leaking.

# Workgroup Draft CP-206

- **Phase I and II certified as a system.**
- **Phase I Efficiency  $\geq 98\%$**
- **Phase II Efficiency  $\geq 95\%$**
- **Phase I standards for Single-Wall  
AST Systems**
- **Fugitive Emissions Standard (TBD)**

# Workgroup Draft CP-206 (cont)

- **ISD System**
- **ORVR Compatibility**
- **180-Day Evaluation**
  - **Various testing conducted throughout evaluation period.**

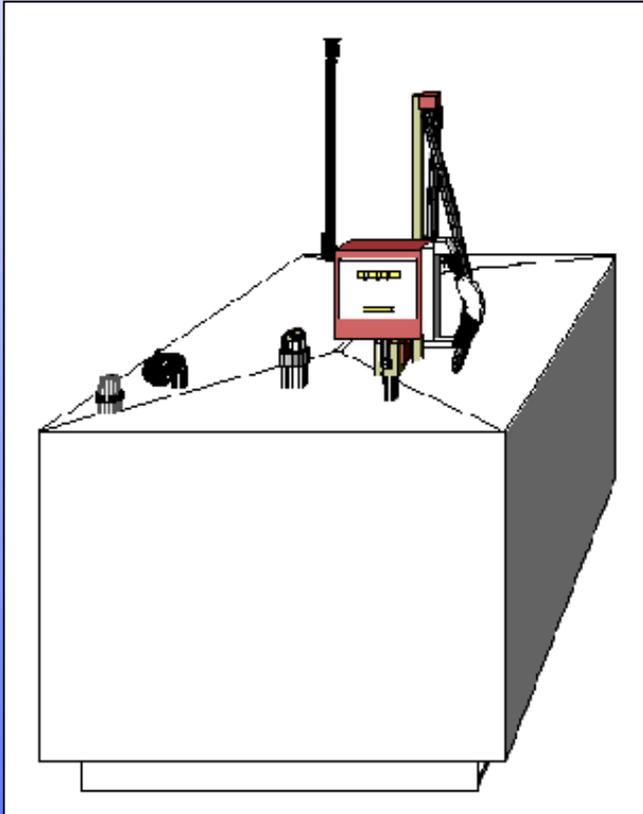
# Fugitive Emissions Test Procedure

- **Determine applicability of TP-201.2F (modify if necessary).**
- **Select AST sites and conduct testing.**
- **Develop fugitive emissions standard.**
- **Solicit input from Workgroup throughout testing.**

# Upcoming Activities

- **Conduct Phase I efficiency testing on a single steel wall AST system.**
- **Conduct Phase I efficiency testing on a 10,000 gallon capacity balance system.**
- **Conduct fugitive emissions testing.**

# Contact



Pat Bennett  
Engineering Evaluation Section  
Monitoring and Laboratory Division  
California Air Resources Board  
P.O. Box 2815  
Sacramento, CA 95812

(916) 445-9308

[pbennett@arb.ca.gov](mailto:pbennett@arb.ca.gov)

[www.arb.ca.gov/vapor/ast/ast.htm](http://www.arb.ca.gov/vapor/ast/ast.htm)