

**Main Street and Kofa Clean Up Site
Community Information Group (CIG) Meeting**

Wednesday, August 12, 2009
Starting at 2:00 p.m.
Quartzsite Public Library
465 N. Plymouth Ave.
Quartzsite, Arizona 85346

DRAFT MINUTES

Ref: OU #10-038

CAB members present: Audrey Berger; Marilyn McFate; Wes Huntley; and Herman York

ADEQ Staff in attendance: Mike Beasley, Project Manager; Jennifer Thies, Remedial Projects Unit Manager; Delfina Olivarez, Community Involvement Coordinator; and Roxanne Linsley, SRO; and Melissa Hayes, Acting Community Liaison for Southwest Arizona

Members of the public present: Jerry Berger; Mary Huntley; Deborah Ireland; Richard Oldham; Douglas Gilford, Realtor; Patricia Anderson; Mike Macheff; and Judy Macheff;

The following matters were presented at the meeting:

1. Call to Order/Introductions

Ms. Delfina Olivarez opened the meeting at 2:00 p.m. with greetings and introductions. Ms. Olivarez stated that the Main Street and Kofa Site is a State Cleanup Site and not a WQARF or Superfund Site. Ms. Olivarez explained that remediation work has already begun at the site and that ADEQ would be giving updates on the progress of the work being done twice a year.

2. Overview of background and activities of Main Street and Kofa Site

Mr. Beasley gave a PowerPoint presentation on the history and future of the Main Street and Kofa Cleanup Site .

See presentation below

3. Discussion of community involvement for Main Street and Kofa

Ms. Olivarez explained that Main Street and Kofa is not a WQARF or Superfund Site where cleanup decisions are still being developed and made. Instead all decisions have been made and remediation work is taking place. Therefore, ADEQ is calling the site Main Street and Kofa Clean-Up Site and calling those that attend the meetings a Community Information Group (CIG). ADEQ will be keeping the communities in Quartzsite and La Paz County updated on the CIG meetings and on the progress at Main Street and Kofa.

4. Call to the Public

No further questions were presented.

6. Adjournment

The meeting was adjourned.



Ted's Truck Stop Main Street and Kofa Quartzsite, AZ

Mike Beasley
Project Manager

August 12, 2009

Site Timeline

- 1976 – 1998 Tanks historically in service at various times and locations
 - ASTs - 1,000 to 250,000 gallon
 - USTs – 2 – 12,000 gallon (1978-1998)
- 1976 – Western dispenser area constructed
 - 2 ASTs, up to 9 dispensers, 2.5 to 3 inch steel piping
- 1978 – 2-12k steel USTs installed
 - Fiber reinforced plastic piping
 - Stored diesel and gasoline
- 1987 – USTs removed
 - Tank pit samples collected but no line samples
 - At end dispensed gasoline with MTBE

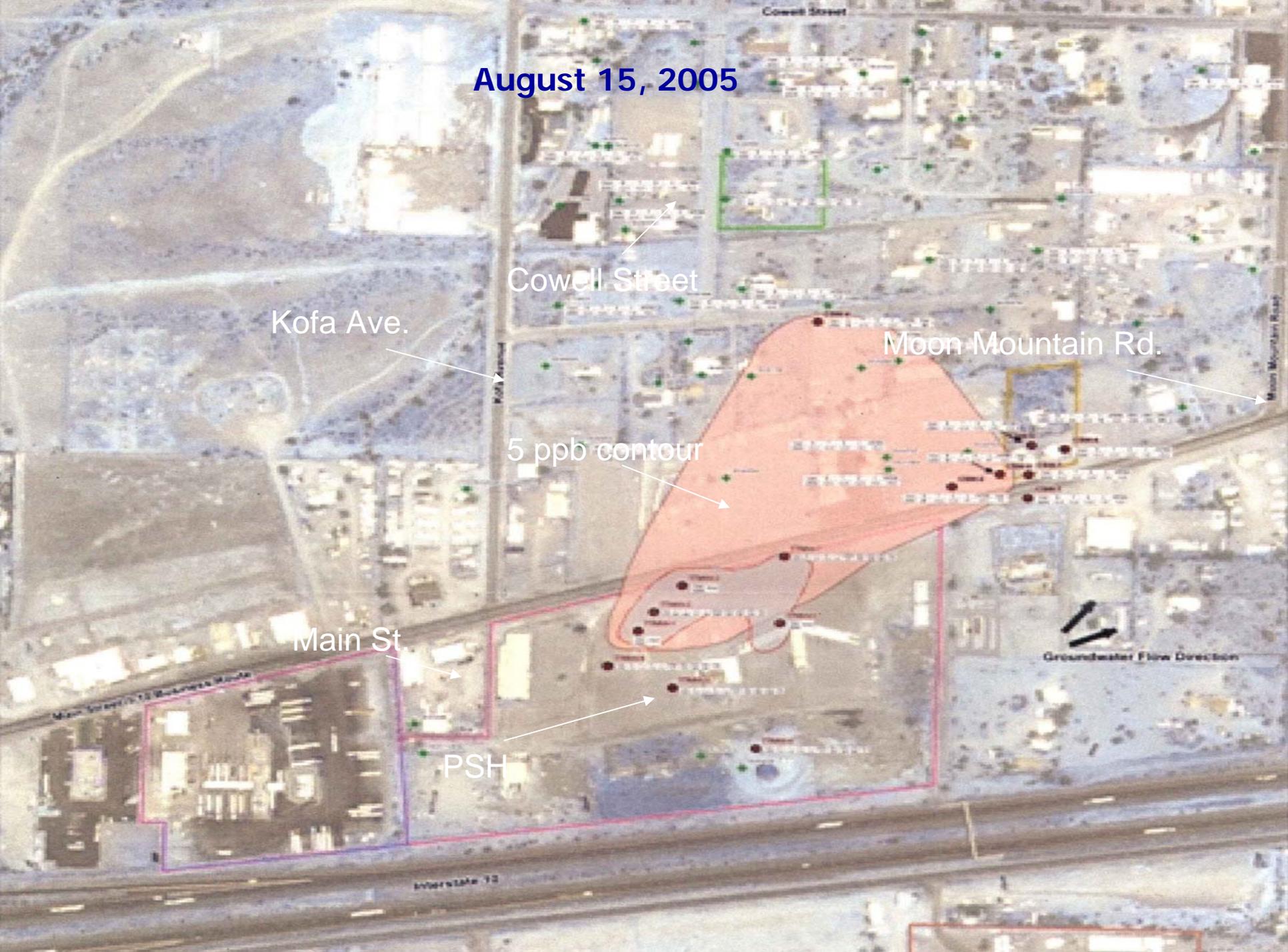
Site Timeline

- 1987 – Eastern dispenser island (wing) constructed
 - Diesel fuel supplied by ASTs
- 1989 – March – 300 gallon diesel release reported to ADEQ by Mr. Headstream
- 1990 – June – Release reported to AZ Dept of Weights and Measures
- 1990 – July – Site investigation of bermed AST area regarding 3 release incidents
 - GW monitoring well installed
 - Sample contained amber colored oily liquid with diesel odor

Site Timeline

- 2000 – assessment in tank pit indicated gasoline and diesel releases occurred
 - Installed 2 GW monitoring wells
 - 26,000 ppb MTBE and 790 ppb benzene
- Shallow aquifer domestic wells impacted
- AST/UST releases commingled (SAF and WQARF)

August 15, 2005







ADEQ
Arizona Department of
Environmental Quality

0 87.5 175 350
Feet

Site info

- COCs – benzene and MTBE
- Depth to water – 46 feet
- No estimate of amount of product released
- Historically free product on site was 2-3 feet thick
- Documented
 - A total of up to 10 ASTs have been present on the site
 - 2 known USTs
- Total cost \$1.6M to date

MAIN STREET

FUTURE DRIVEWAY

FUTURE DRIVEWAY

FUTURE DRIVEWAY

W RIGHT-OF-WAY
RE ROADWAY EXPANSION

FORMER
RESTAURANT

FORMER
TIRE
SHOP

VACANT
MOBILE HOMES

ADWR NO.
55-700751

ADWR NO.
55-504795

250,000 GALLON
ABOVE GROUND
STORAGE TANK

DETECTED
UNDERGROUND
PIPING

CANOPY AREA

FORMER
TIRE
BARN

TTOS-18

TTDPE-16

TTSVE-4

FORMER
TRUCK STOP
BUILDING

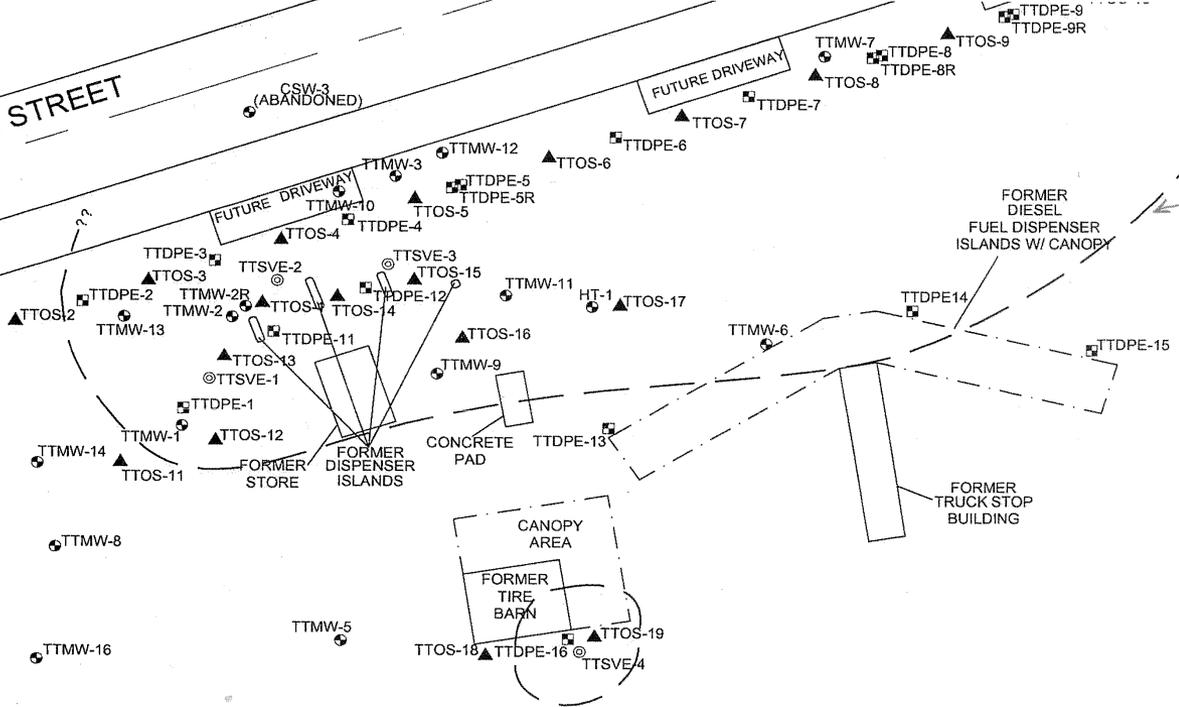
CONCRETE
PAD

FORMER
STORE

FORMER
DISPENSER
ISLANDS

FORMER
DIESEL
FUEL DISPENSER
ISLANDS W/ CANOPY

20 ppb



Main Street and Kofa

Ted's Truck Stop

Quartzsite

Pilot Testing

- SVE Test
- Utilized a 350 CFM Thermal Oxidizer for 4 hour test
- Radius of Influence (ROI) up to 52 feet
- Removed 334.9 lbs hydrocarbons (54 gallons) in 4 hours

Main Street and Kofa

Ted's Truck Stop

Quartzsite

Pilot Testing

- DPE Test
- Utilized 350 CFM ThermOx with Pneumatic Top Loading Total Fluids Pump for 16 hours
- Depth to GW was 47 feet, top of pump set at 52 feet
- Observed VE ROI up to 20.5 feet, should increase
- Liquid drawdown observed out to 105 feet
- Avg GW flow was 2.6 GPM
- Removed 104.3 lbs hydrocarbons (16.8 gallons) in 16 hours

Main Street and Kofa Ted's Truck Stop Quartzsite

Pilot Testing

- Air Sparge Test
- An estimated ROI of 25 feet was estimated

Main Street and Kofa Ted's Truck Stop Quartzsite



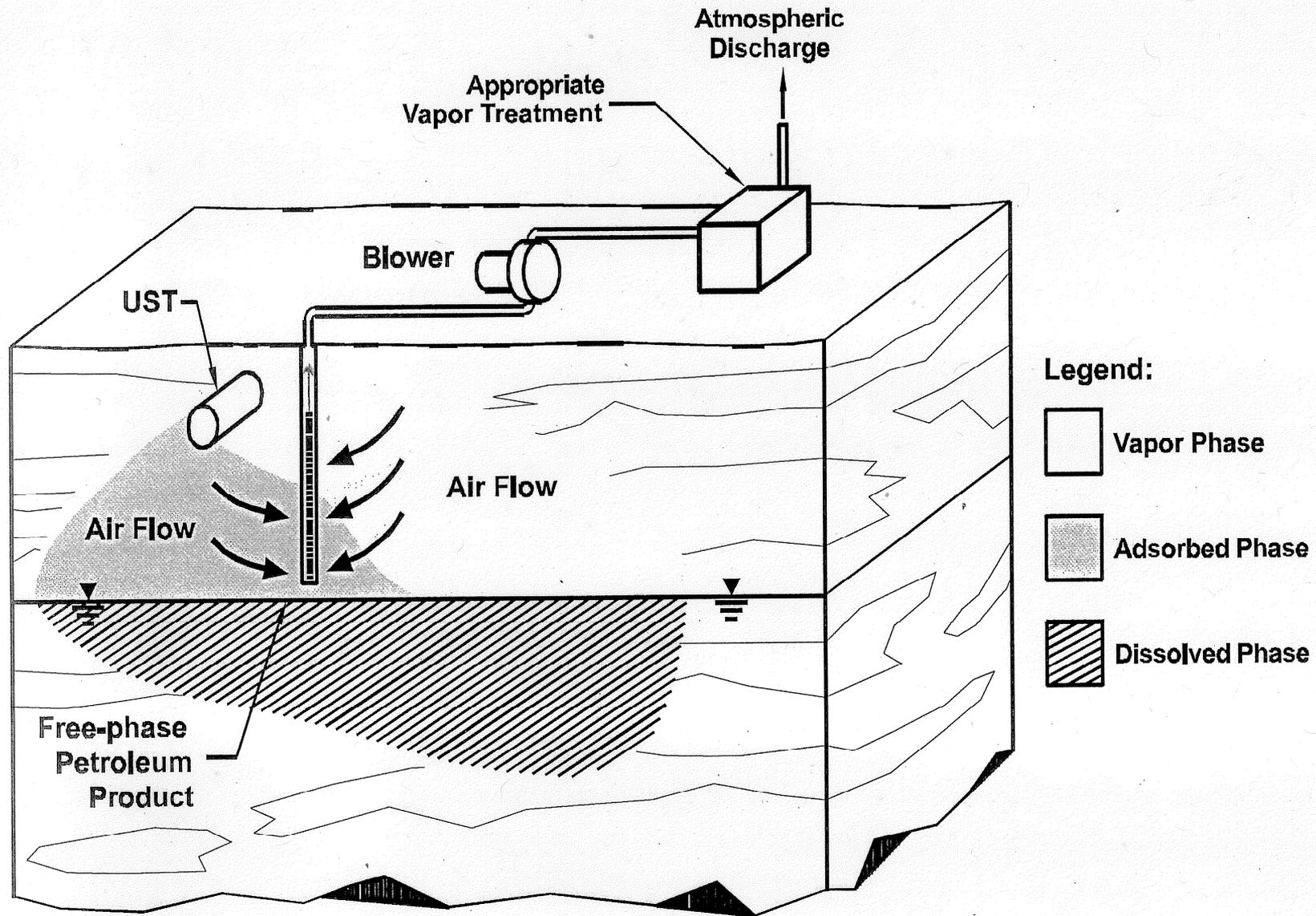
Main Street and Kofa Ted's Truck Stop Quartzsite



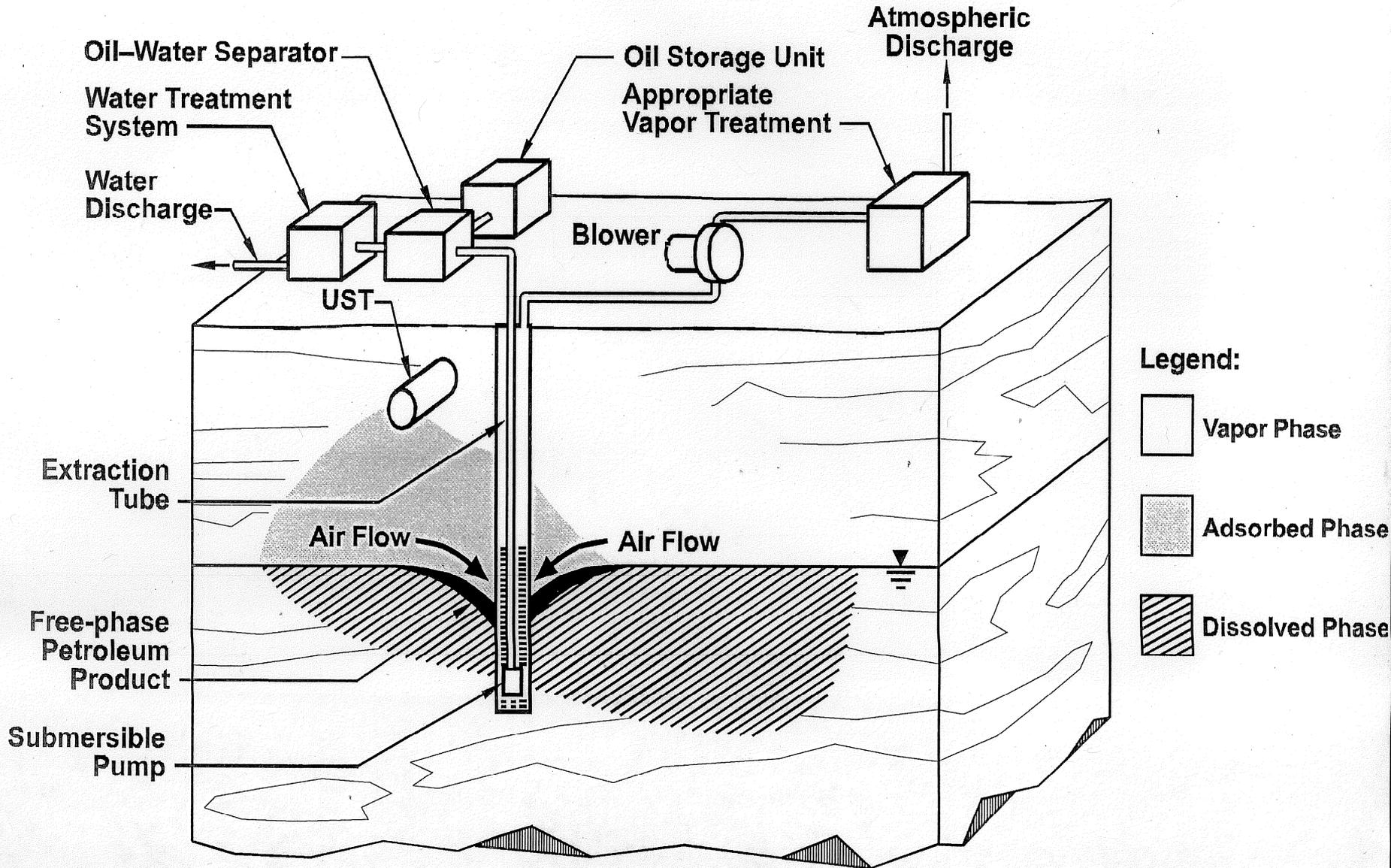
Remediation Timeline

- Conducted SVE, dual phase extraction (DPE) and air sparge pilot tests in February 2007
- Installed remediation wells in May 2007:
 - 3 SVE wells
 - 18 ozone sparge wells
 - 19 dual phase extraction wells
- Installed system fall 2007
- System turned on December 2007

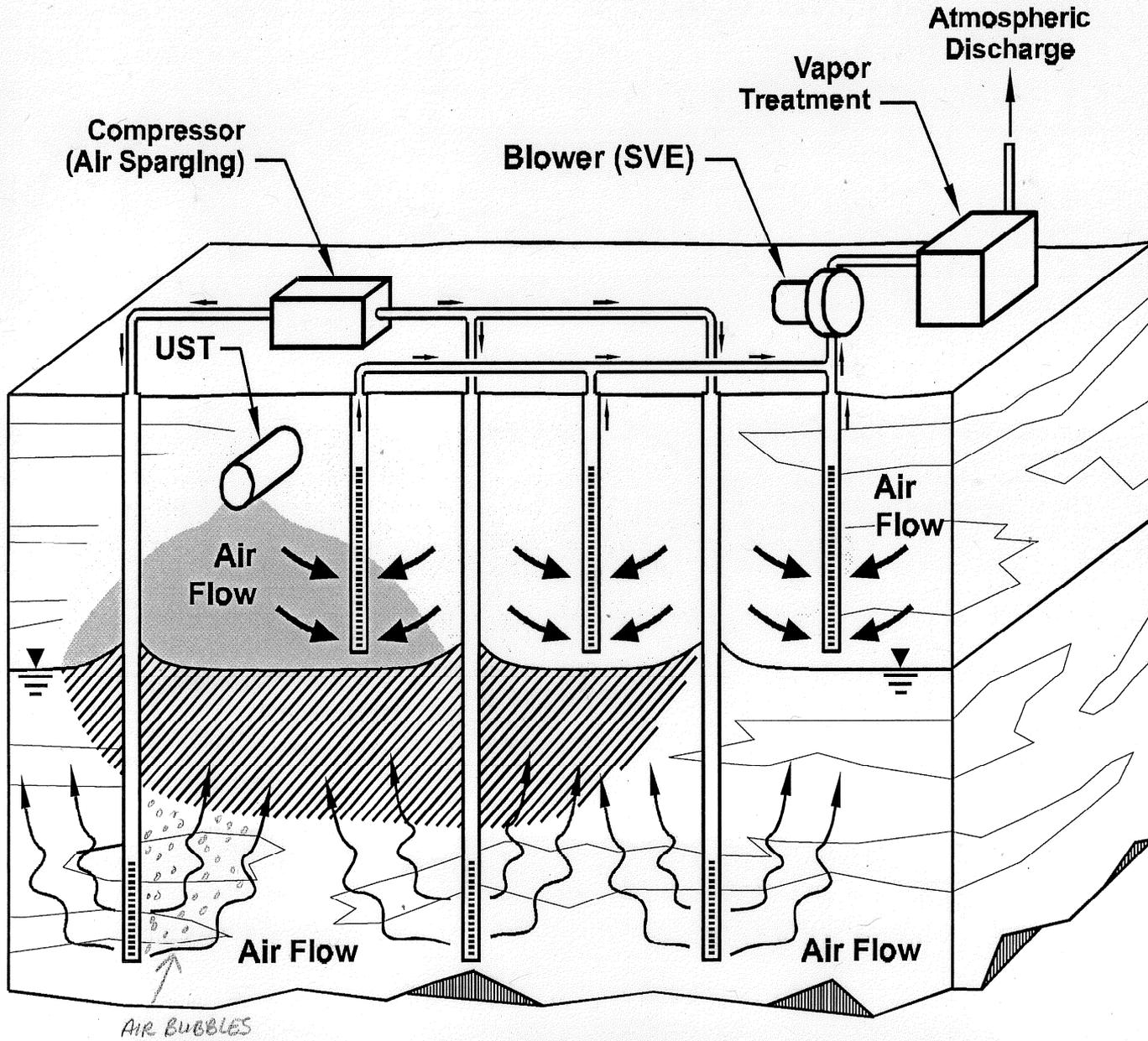
Typical SVE System

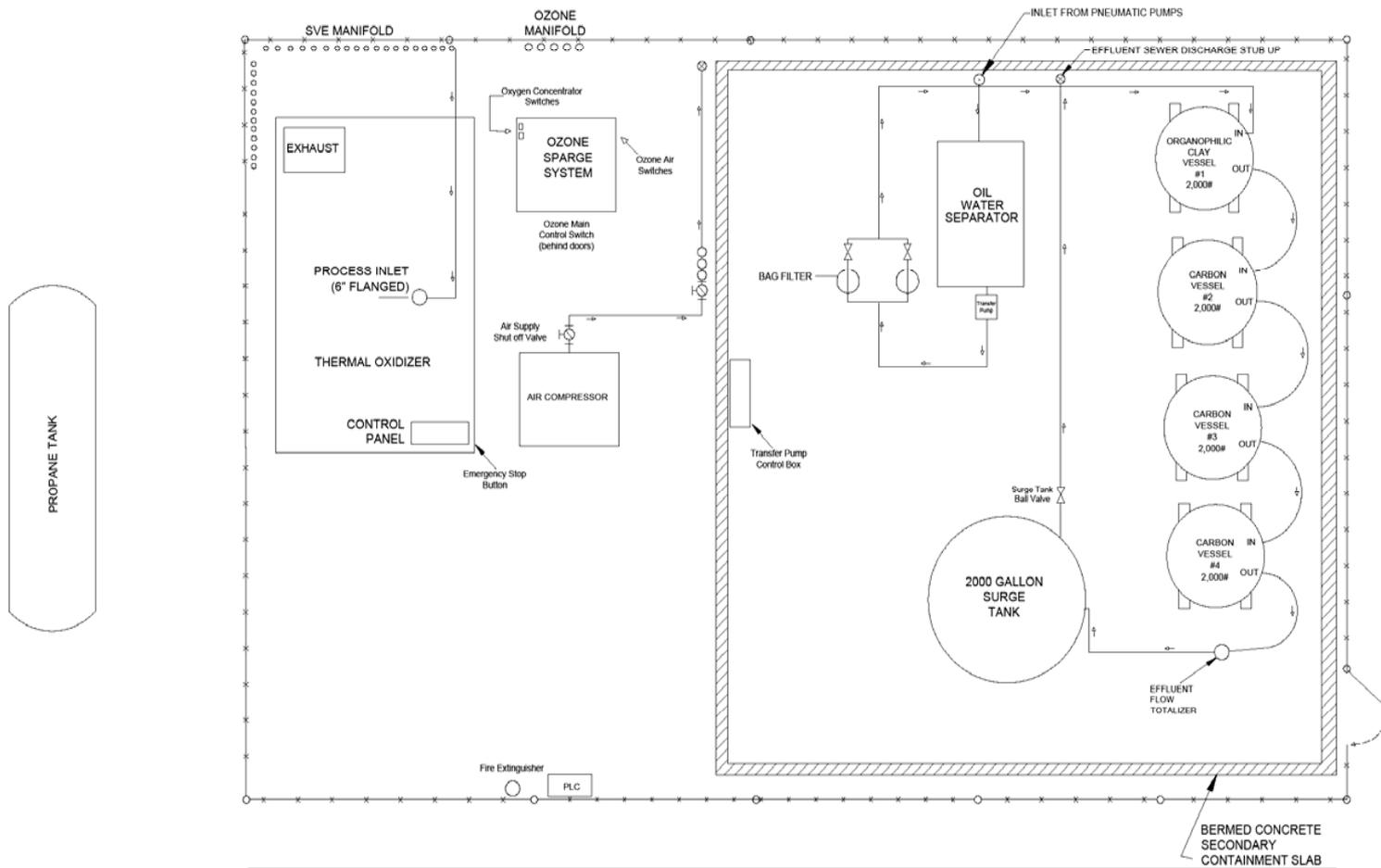


Typical Multi-Pump DPE System



Air Sparging System With SVE





TIRE BARN

NOT TO SCALE

No warranty is made by SECOR International, Inc. as to the accuracy, reliability, or completeness of these data. Original data were compiled from various sources. This information may not meet National Map Accuracy Standards. This product was developed electronically, and may be updated without notification. Any reproduction may result in a loss of scale and/or information.


SECOR
 1403 WEST 10TH PLACE, SUITE B-107
 TEMPE, ARIZONA 85281
 PHONE: (480) 804-1420/804-1482 (FAX)

FOR: ARIZONA DEPT OF ENVIRONMENTAL QUALITY
 FORMER TED'S TRUCK STOP
 965 WEST MAIN STREET
 QUARTZSITE, ARIZONA

REMEDIATION COMPOUND LAYOUT

FIGURE:

1

JOB NUMBER: 180T 20422.08

DRAWN BY: CG

CHECKED BY: RWS

APPROVED BY: TAK

DATE: 3/3/2008

Main Street and Kofa

Ted's Truck Stop

Quartzsite

Site Objectives

- Prevent further plume migration
- Eliminate Free Product (FP)
- Reduce source mass of COC's in soil to AZ soil remediation level (SRL)
- Reduce concentrations of COC's in groundwater (e.g. benzene and MTBE) to AZ AWQS

Main Street and Kofa Ted's Truck Stop Quartzsite

As of June 11, 2009

■ Water

- 3,991,231 gallons processed through the carbon
- 247 lbs of TPH removed
- 2.1 lbs benzene removed
- 126 lbs MTBE removed
- 233 gallons of FP removed

■ Vapor Phase

- 80,382 lbs of TPH removed
 - (@ ~6.2 lbs/gallon = 12,964 gallons)
- 1,203 lbs of benzene
- 3,242 lbs of MTBE





DPE 10

DPE 9 K

DPE 8 C

DPE 7

DPE 6 DPE 6





















