



KELLY AFB
TEXAS

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 3265

Kelly Restoration Advisory Board (RAB) Technical Review Subcommittee (TRS)

Meeting Agenda

August 10, 2004, 6:30 p.m.

Environmental Health & Wellness Center
911 Castroville Road
(formerly Las Palmas Clinic)

- I. **Introduction** Dr. David Smith
 - a. Agenda Review
 - b. Packet Review

- II. **Agent Orange Presentation** Mr. Joel Michalek
Question & Answer Session on Agent Orange Presentation

- III. **Permeable Reactive Barrier (PRB) Data Presentation**
Buildings 301 & 360 Mr. Don Buelter/
Mr. Ashley Allinder
Question & Answer Session on PRB Data Presentation

- IV. **Agency for Toxic Substances and Disease Registry (ATSDR)**
Community Update Ms. Maria Teran-Maclver

- V. **Administrative**
 - a. BRAC Cleanup Team (BCT) Update Ms. Norma Landez
 - b. Spill Summary Report Ms. Larisa Dawkins
 - c. Documents to TRS/RAB Ms. Larisa Dawkins
 - d. Action Items Dr. David Smith

- VI. **Special RAB Meeting**
Environmental Health and Wellness Center: September 14, 2004, 6:30 p.m.*

- VII. **Next RAB Meeting**
Kennedy High School Auditorium: October 19, 2004, 6:30 p.m.*

- VIII. **Next TRS Meeting**
Environmental Health and Wellness Center: November 9, 2004, 6:30 p.m.*

- IX. **Adjournment**

- X. **Meeting dates and locations are subject to change.*

Kelly Restoration Advisory Board (RAB)
 Technical Review Subcommittee (TRS)
 SUMMARY

10 August 2004
 Environmental Health and Wellness Center
 911 Castroville Rd.
 San Antonio, TX 78237

1. Attendees:

Mr. Ashley Allinder	Ms. Norma Landez
Mr. Don Buelter	Mr. Gary Martin
Ms. Rose Campos	Dr. Joel Michalek
Mr. Armando Quintanilla	Mr. Gary North
Ms. Larisa Dawkins	Ms. Abbi Power
Mr. Rodrigo Garcia	Dr. David Smith
Ms. Esmeralda Galvan	Mr. Tim Sueltenfuss
Ms. Coriene Hannapel	Ms. Maria Teran-MacIver
Ms. Tanya Huerta	Ms. Robyn Thompson

2. Introduction. Dr. David Smith, RAB/TRS Facilitator, opened the meeting at 6:30 p.m. He explained the new process of using a court reporter to produce meeting transcripts. The transcript and a transcript summary will replace the standard meeting minutes.

3. ATSDR Reports. Ms. Maria Teran-MacIver of the Agency for Toxic Substances and Disease Registry (ATSDR) in Atlanta, Georgia summarized three ATSDR documents that have been released as final:

- 1999 Public Health Assessment
- Potential Current Air Emissions Exposure for On-base Personnel
- Past Exposure to Drinking Water from On-base Wells 313 and 314

Two additional documents, the Health Outcome Data Consultation and the East Kelly Public Health Assessment, have not been released at this time. Ms. Teran-MacIver hopes to release the two documents this fall following a public comment period.

4. Agent Orange. Dr. Joel Michalek of the Air Force Health Study Laboratory (AFHSL), Brooks City Base, San Antonio, Texas addressed questions compiled from previous RAB meetings regarding the herbicide commonly known as Agent Orange. He presented a summary of an ongoing Agent Orange study, including background information, current status of the project, scientific terminology commonly used in the report, the three arms of

the study (medical, reproductive outcome, and mortality), and identification of study-related staff within the organization.

5. **Permeable Reactive Barriers (PRBs).** Mr. Don Buelter of the Air Force Real Property Agency/Division Kelly (AFRPA/DC-K) summarized the installation and operation of PRBs at Buildings 301, 360, and 1530; 34th Street; Commercial Street; and Malone Street. Mr. Buelter stated that all PRBs should be installed by the end of the calendar year. If completed, preliminary samples will be taken in November.
6. **BRAC Cleanup Team (BCT).** Ms. Norma Landez (AFRPA/DC-K) reported that the BCT meeting in August was cancelled due to a lack of agenda items. The next BCT meeting will be held on 14 September 2004. Ms. Landez will provide an update at the special RAB meeting scheduled for 14 September 2004.
7. **Spill Summary Report.** Ms. Larisa Dawkins (AFRPA/DC-K) reported that there have been no spills since the last TRS.
8. **Information Repository.** Ms. Larisa Dawkins reported that three items are being placed in the Kelly Information Repositories:
 - 354-B/Industrial Wastewater Collection System Revised Final Closure Report
 - 654-B/Semiannual Compliance Report for July 2004
 - 2004 RAB meeting audio tapes
9. **Action Items.** The following action items were assigned.
 - Mr. Rodrigo Garcia requested that a TAPP funding presentation be given in front of the RAB to inform the members of how much money remains.
 - Mr. Rodrigo Garcia requested a list of issues and one to two page reports on issues submitted to RAB members.
 - Mr. Armando Quintanilla recommended that there be once a month meetings and the RAB be notified on TRS agenda items.
 - Ms. Rosie Campos requested that there be more visual diagrams on the next mail-out.
10. **Next Meeting.** The next regularly scheduled TRS meeting has been replaced with a special RAB meeting to discuss the July 2004 Semiannual Compliance Report. The special RAB meeting will be held Tuesday, 14 September 2004, at 6:30 p.m. at the Environmental Health

and Wellness Center. The next regularly scheduled TRS meeting is set for Tuesday, 9 November 2004, at the Environmental Health and Wellness Center. The next regularly scheduled RAB meeting is set for Tuesday, 19 October 2004, at Kennedy High School.

11. **Adjourn.** The meeting adjourned at 9:06 p.m.

Headquarters U.S. Air Force

Integrity - Service - Excellence

Former Kelly AFB Technical Review Subcommittee 10 August 2004



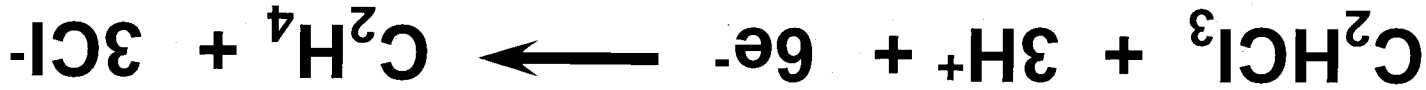
**Review of
Permeable Reactive Barriers
Building 301 and 360
Performance Update**

Mr. Don Buelter, P.G.

U.S. AIR FORCE



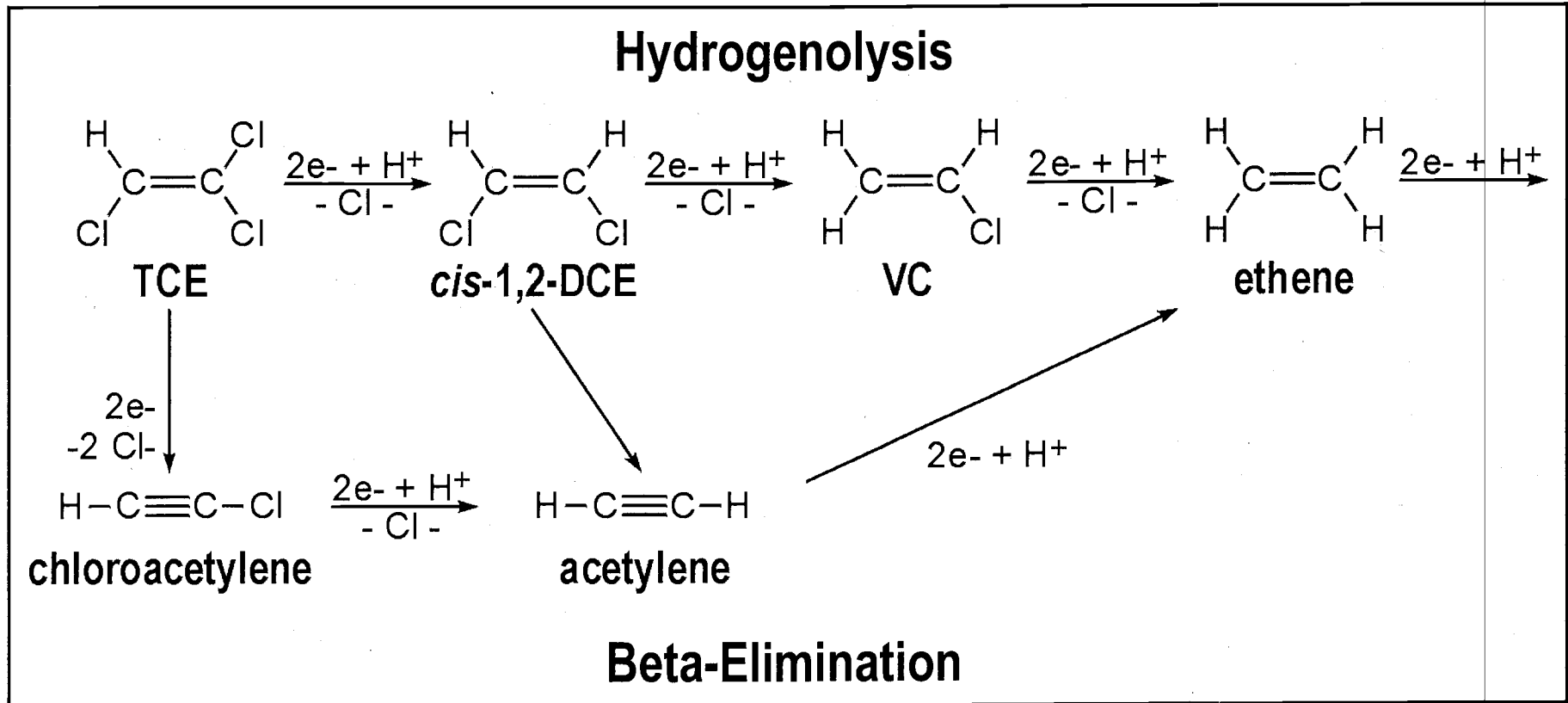
Role of Zero-Valent Iron in Contaminant Degradation





U.S. AIR FORCE

Multiple Pathways for TCE Degradation



- Purpose: Contain Bldg. 301 Groundwater Source
- PCE (primary), TCE, 1,2-DCE and vinyl chloride
- Installation was completed in Late June 2003
- Total Length 690 feet
- Sampling Events
 - 1st Round of samples collected in December 2003
 - Three transects (nine wells) sampled
 - PCE, TCE non-detected within wall
 - VC and DCE detected in southern transect within wall
 - 2nd Round of samples collected in June 2004
 - Three transects (nine wells) sampled
 - PCE, TCE non-detected within wall
 - VC and DCE detected in southern transect within wall
- Sampling indicates both abiotic and biotic reactions occurring

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**Building 301 PRB**



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Building 301 - Monitoring Results – South Transect

Parameter	Upgradient		In Wall		Downgradient	
	Nov 03	Jun 04	Nov 03	Jun 04	Nov 03	Jun 04
PCE (µg/L)	336	2490	<1	<1	121	7.3
TCE (µg/L)	387	1020	<1	<1	37	58.1
1,2-DCE (µg/L)	937	643	2.3	8.5	434	178
VC (µg/L)	310	102	5.1	374	25	752
Methane (µg/L)	465	538	3360	5750	1760	3060
Redox (mV)	-44	-61	-92	-237	-83	-143
GW Elevation	655.68	656.65	674.47	656.08	654.83	656.86

Integrity - Service - Excellence

- Purpose: Contain Bldg. 360 Groundwater Source
 - PCE (primary), TCE, 1,2-DCE and vinyl chloride
 - Installation was completed in March 2004
 - PRB Total Length: 800 feet
 - Slurry Wall total length: 400 feet
 - Sampling Event
 - 1st Round of samples collected in May 2004
 - VOCs not detected
 - Inorganic chemistry showing positive trends
 - pH, GW levels, methane

U.S. AIR FORCE



Building 360 PRB

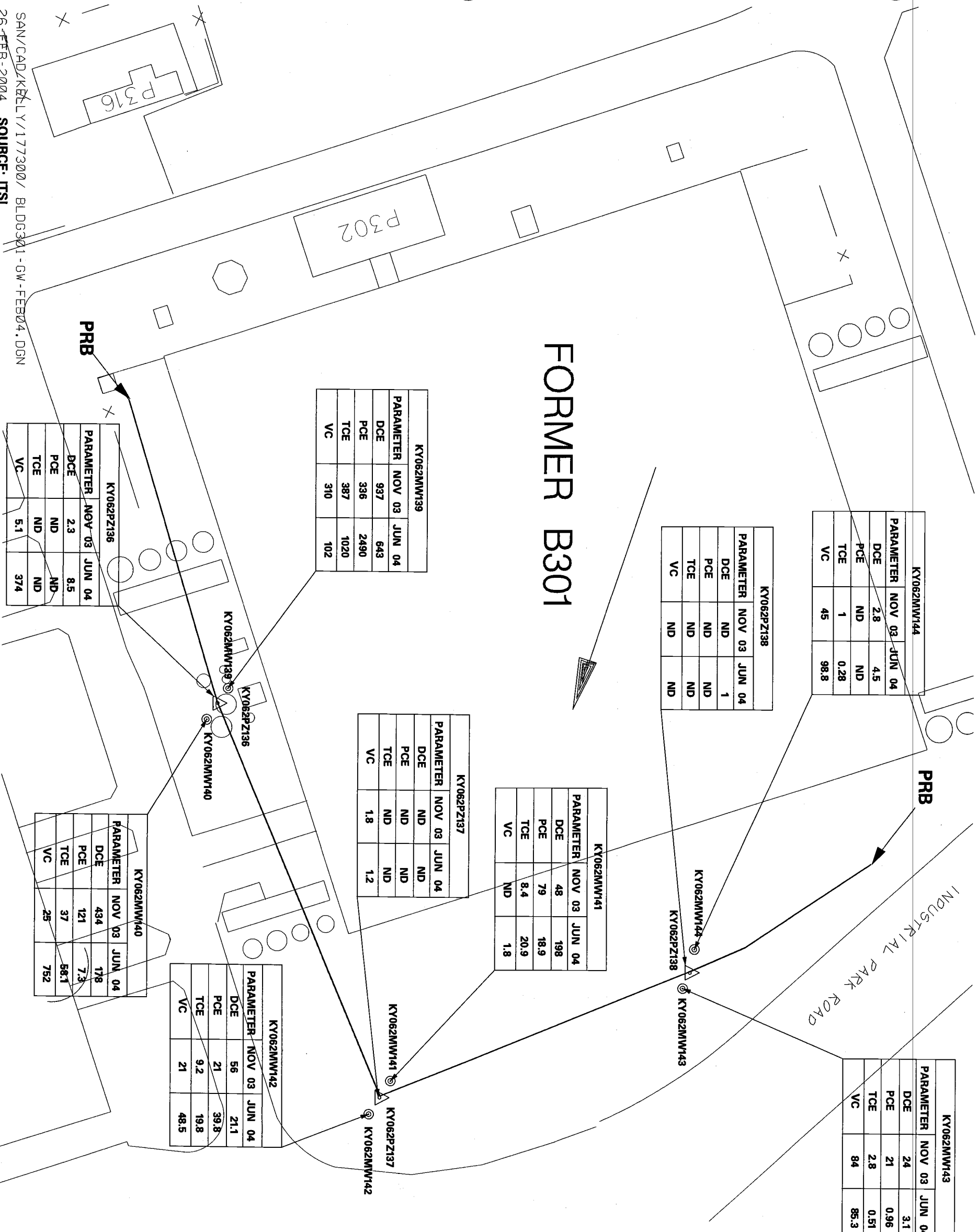


U.S. AIR FORCE

Future Sampling

- **Performance Sampling of PRBs**
 - Initial sampling will occur on a six month cycle
 - Next sampling event will be in November 2004, followed by an event in May 2005
- **All current and future PRBs will be part of sampling**
 - **Completed PRBs**
 - Building 301, Building 360, Building 1530, 34th Street
 - **PRBs under construction**
 - Commercial Street, Malone Street, Zone 2
 - Estimated completion – December 2004

FORMER B301



KY062MW144			
PARAMETER	NOV 03	JUN 04	
DCE	2.8	4.5	
PCE	ND	ND	
TCE	1	0.28	
VC	45	98.8	

KY062PZ138			
PARAMETER	NOV 03	JUN 04	
DCE	ND	1	
PCE	ND	ND	
TCE	ND	ND	
VC	ND	ND	

KY062MW139			
PARAMETER	NOV 03	JUN 04	
DCE	937	643	
PCE	336	2490	
TCE	387	1020	
VC	310	102	

KY062MW141			
PARAMETER	NOV 03	JUN 04	
DCE	48	198	
PCE	79	18.9	
TCE	8.4	20.9	
VC	ND	1.8	

KY062PZ137			
PARAMETER	NOV 03	JUN 04	
DCE	ND	ND	
PCE	ND	ND	
TCE	ND	ND	
VC	1.8	1.2	

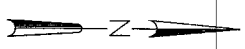
KY062MW143			
PARAMETER	NOV 03	JUN 04	
DCE	24	3.1	
PCE	21	0.96	
TCE	2.8	0.51	
VC	84	85.3	

KY062MW142			
PARAMETER	NOV 03	JUN 04	
DCE	56	21.1	
PCE	21	39.8	
TCE	9.2	19.8	
VC	21	48.5	

KY062MW140			
PARAMETER	NOV 03	JUN 04	
DCE	434	178	
PCE	121	7.3	
TCE	37	58.1	
VC	28	752	

KY062PZ136			
PARAMETER	NOV 03	JUN 04	
DCE	2.3	8.5	
PCE	ND	ND	
TCE	ND	ND	
VC	5.1	374	

INDUSTRIAL PARK ROAD



LEGEND
 ▲ PIEZOMETER
 ⊙ MONITORING WELL

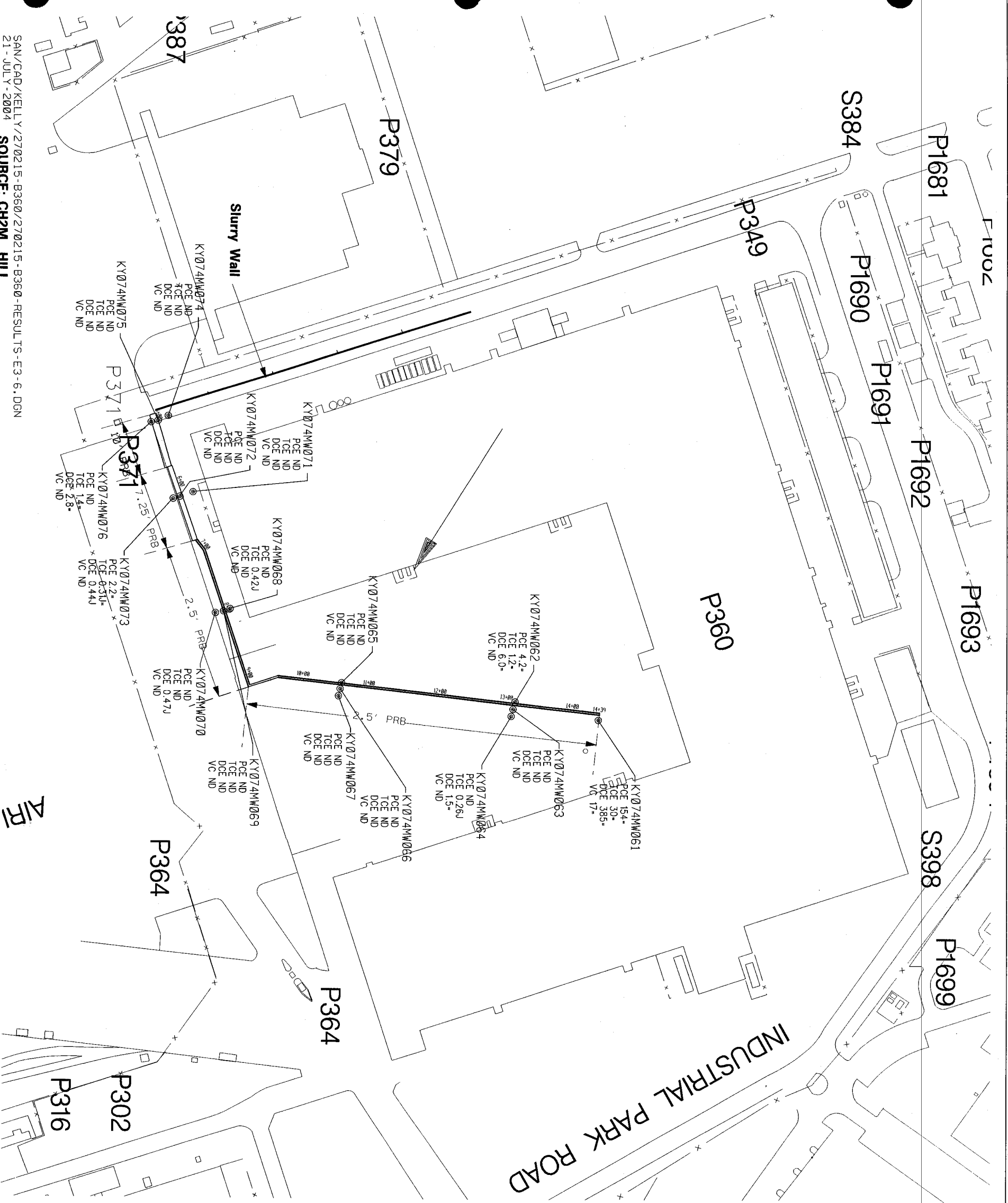
→ GROUNDWATER FLOW
 2+ RESULT
 DCE PARAMETER
 PRB

ALL UNITS IN MICROGRAMS PER LITER

- NOTE
1. PRB THICKNESS IS 2.5 FEET FOR BOTH SECTIONS A & B.
 2. 100% DESIGN BY SAIC ON NOVEMBER 15, 2002.

EXHIBIT 3.5
Former Building 301
Analytical Results from Building 301
Monitoring Wells and Piezometers
Former Kelly AFB, Texas

SAN/CAD/KELLY/177300/BLDG301-GW-FEB04.DGN
 26-FEB-2004 SOURCE: TSI
 x:/edi-prod/env/analytical-30-106/bldg301-gw-feb04_rev.dgn



LEGEND

- ⊙ SURVEYED MONITORING WELL LOCATION
- ND NON DETECT
- NS NOT SAMPLED
- GROUNDWATER FLOW →
- PCE TETRACHLOROETHENE
- TCE TRICHLOROETHENE
- DCE 1,2-DICHLOROETHANE
- VC VINYL CHLORIDE

NOTE:

1. ALL CONCENTRATIONS IN $\mu\text{G/L}$.

EXHIBIT 3.6
Analytical Results from Building 360 Monitoring Wells Former Kelly AFB, Texas

The Air Force Health Study

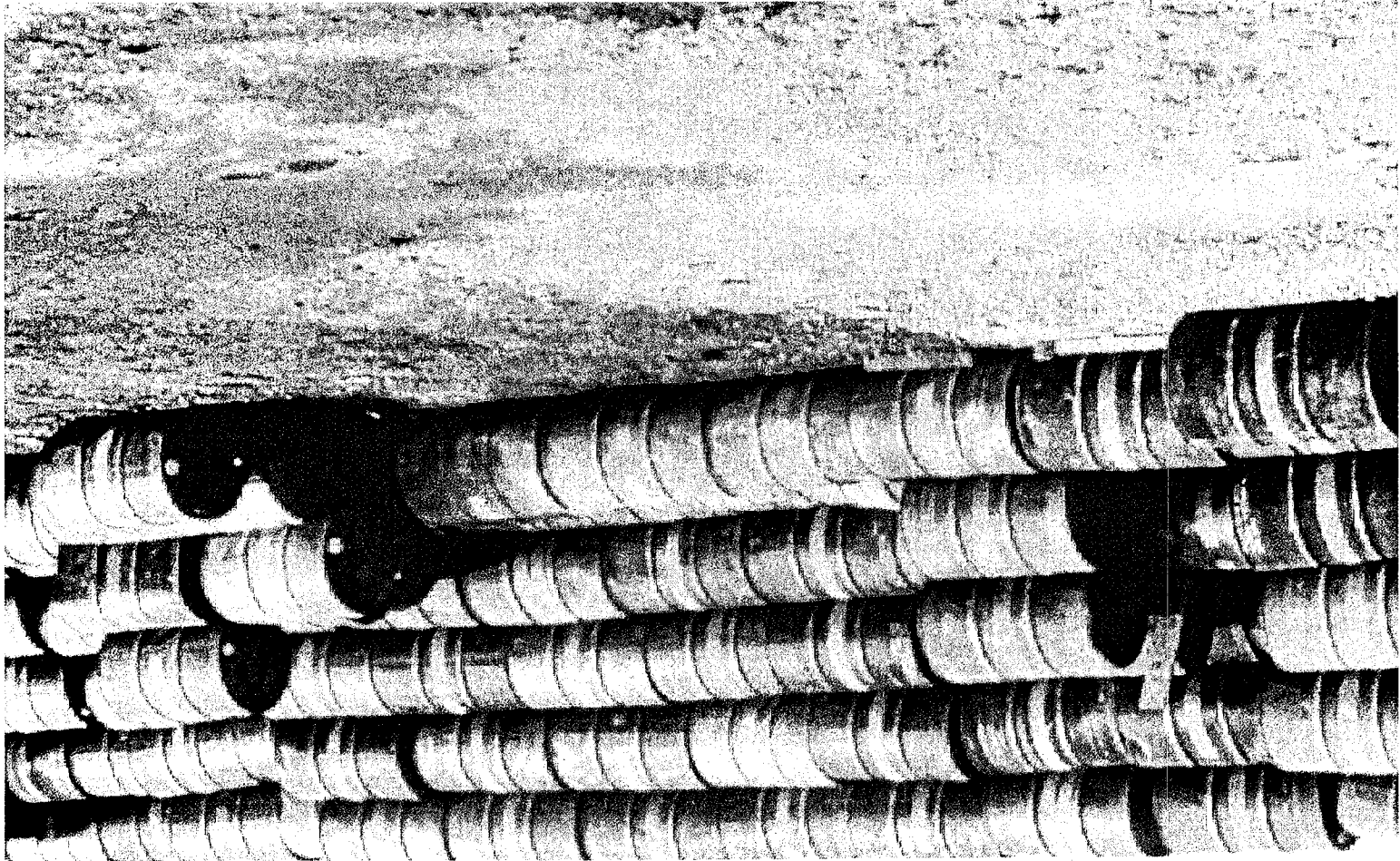
An Overview and Update

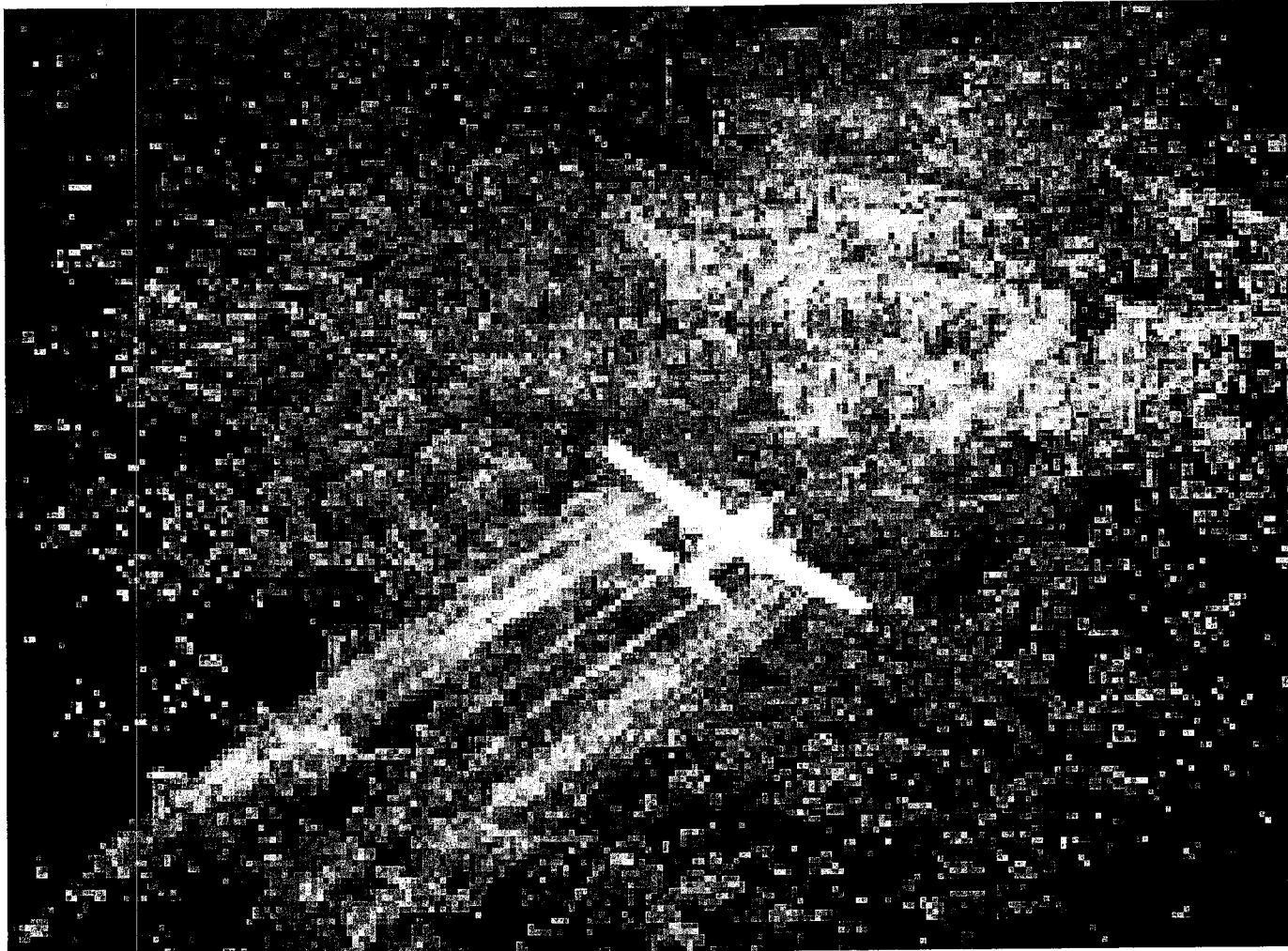
17 June 2004



Joel Michalek, PhD
Principal Investigator, Air Force Health Study
Air Force Health Study Branch
Human Effectiveness Directorate
Air Force Research Laboratory

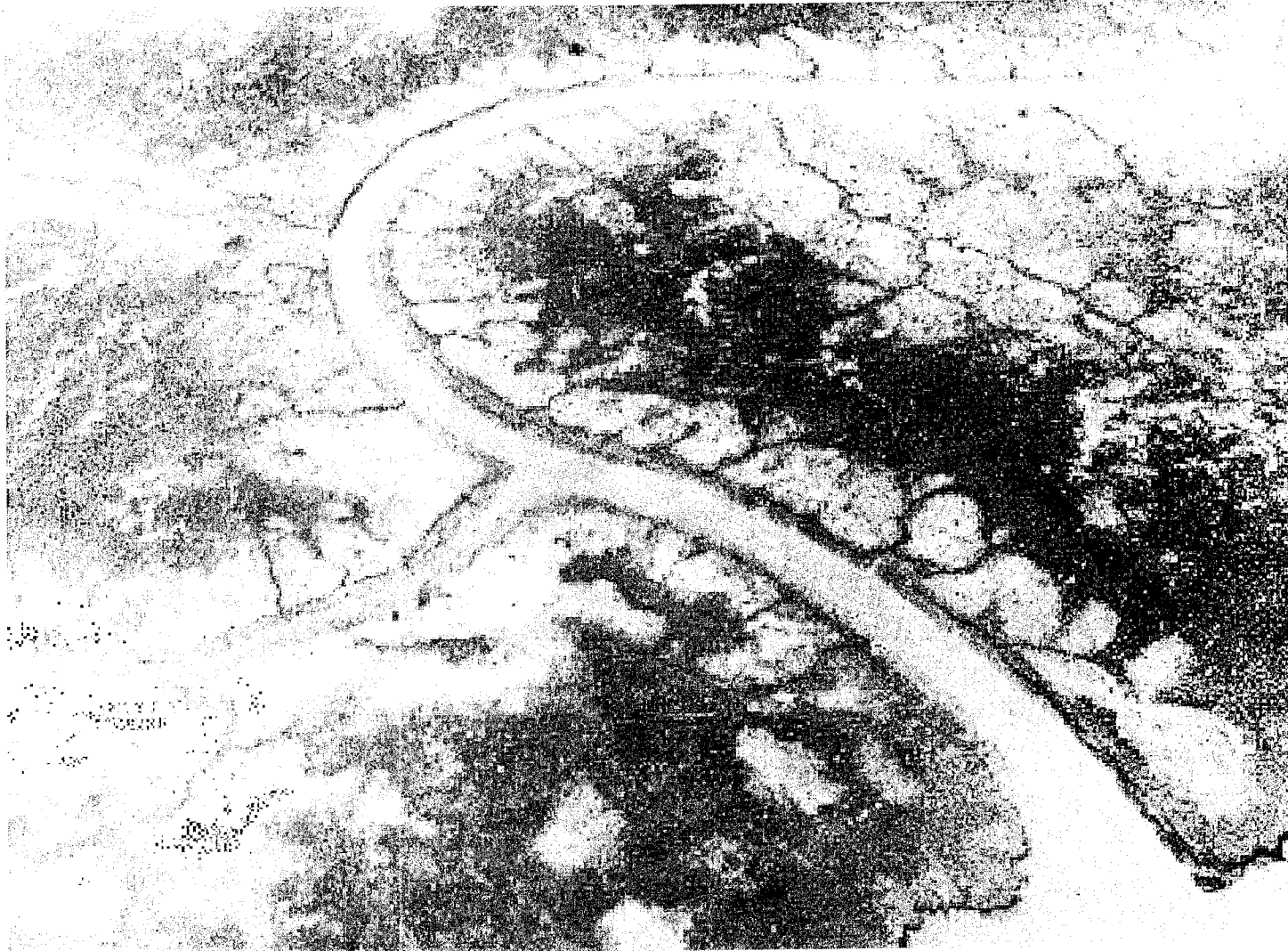
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- Overview
 - Study design
 - Protocol issues
 - Reliability and validity of the dioxin measurement
 - Half life studies
 - Endpoints
 - Latest findings



Contents





Goal



- **To conduct a 20-year prospective epidemiological study of herbicide exposure and health, mortality, and reproductive outcomes in veterans of Operation Ranch Hand**

Executive Secretary)

- Primary User: Ranch Hand Advisory Committee (Dr L Schechtman,

AFRL/HEDA

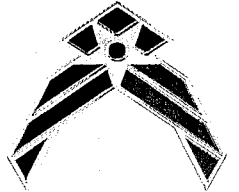
- Chief, Air Force Health Study Branch, Lt Col Julie Robinson,

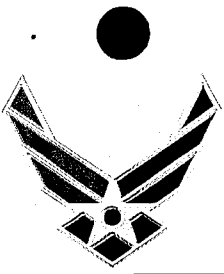
- IPT Leader: Mr Richard Ogershok, 311th HSW/YASP

• POINTS OF CONTACT

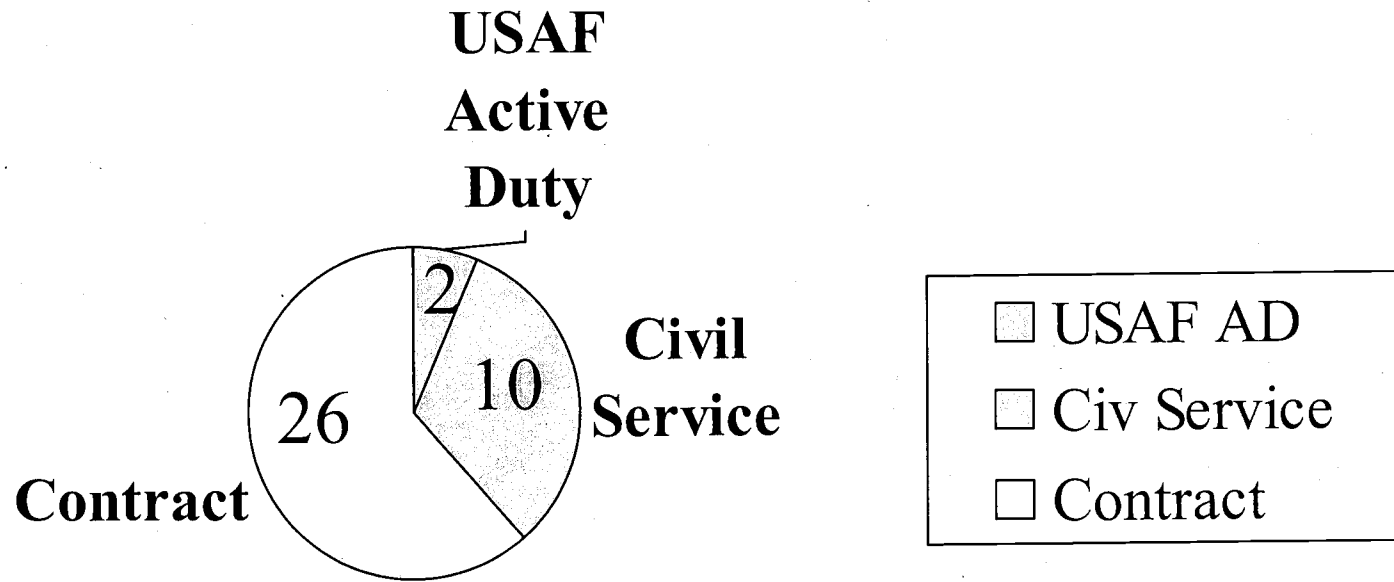
- Public Law 102-4 (Agent Orange Act of 1991)
- Public Law 101-510, Sec. 1468 (5 Nov 90)
- PMD 1092(10) /PE0605306F
- White House Domestic Affairs and Policy Ltr (16 Sep 80)

• PROGRAM DIRECTION:

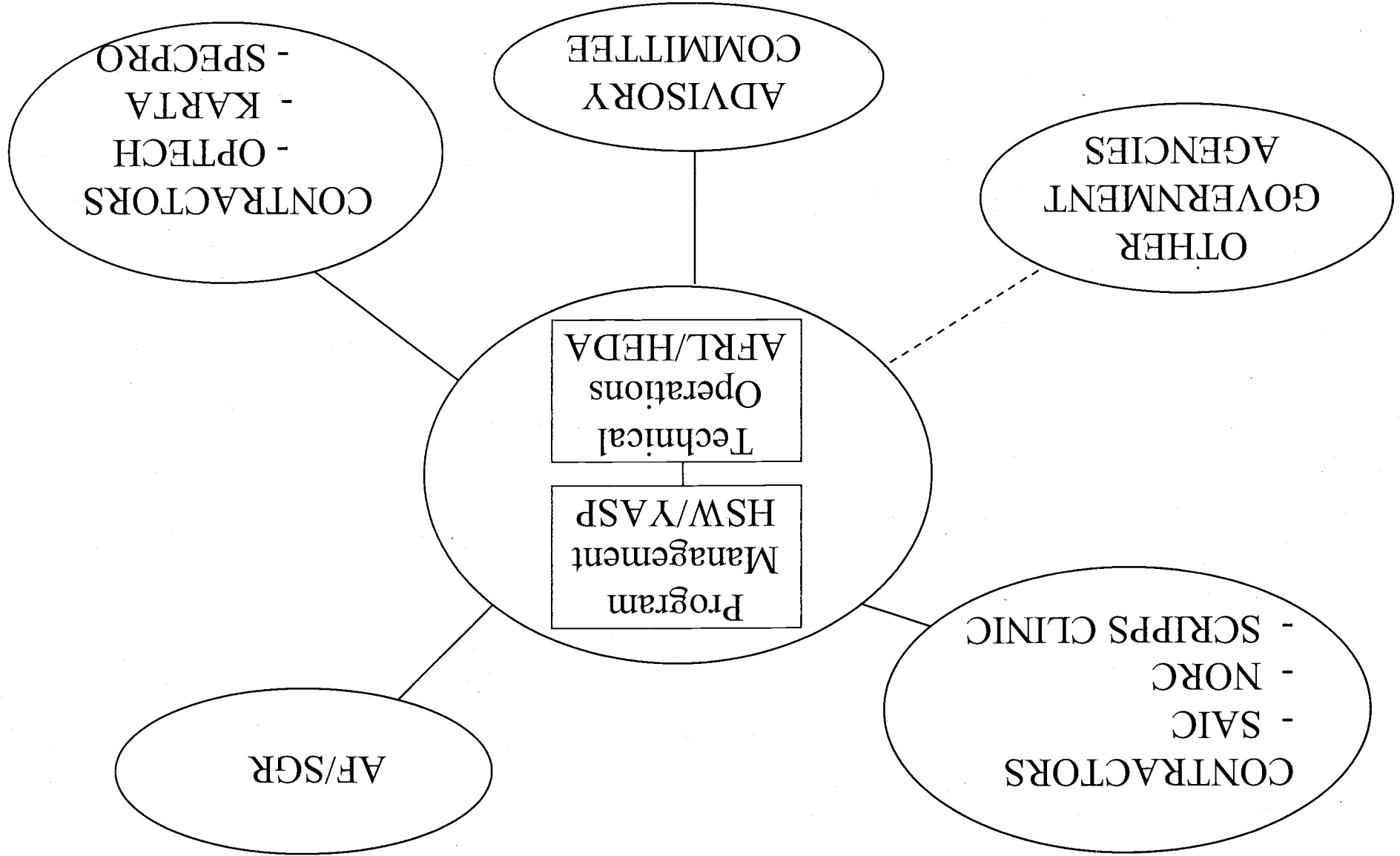




Staffing

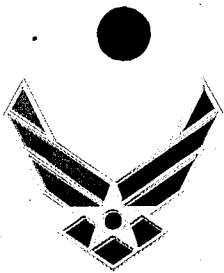


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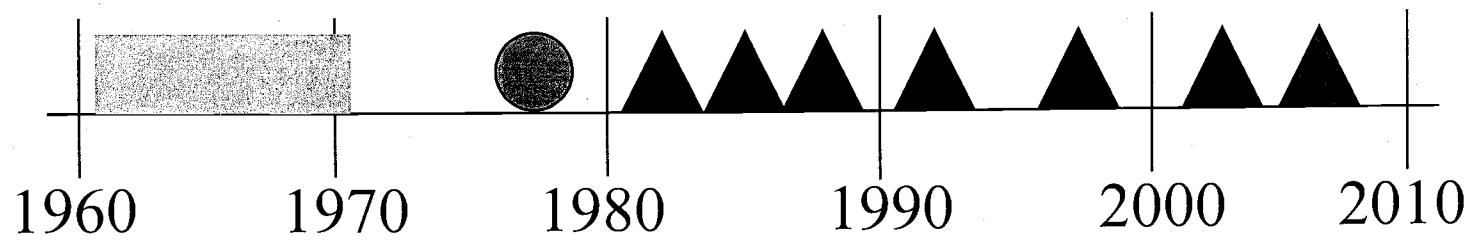






PROGRAM TEAM





Schedule



-  Exposure period
-  Protocol Development
-  Physical Examination
-  End of Study

- Index group: Ranch Hand veterans (N=1,209)
- Control population: Air Force veterans of Southeast Asia (N=19,078)
- Examined controls matched on age, race, military occupation (N=1,641)

Study Design





Study Design (Continued)

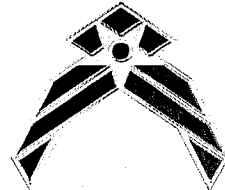


- **Exposure index: dioxin body burden**
- **Multiple endpoints**
- **Repeated physical examinations, interviews and mortality assessments**

***Air Force Health Study 2002 Final Report (to be released at the end of 2005)**

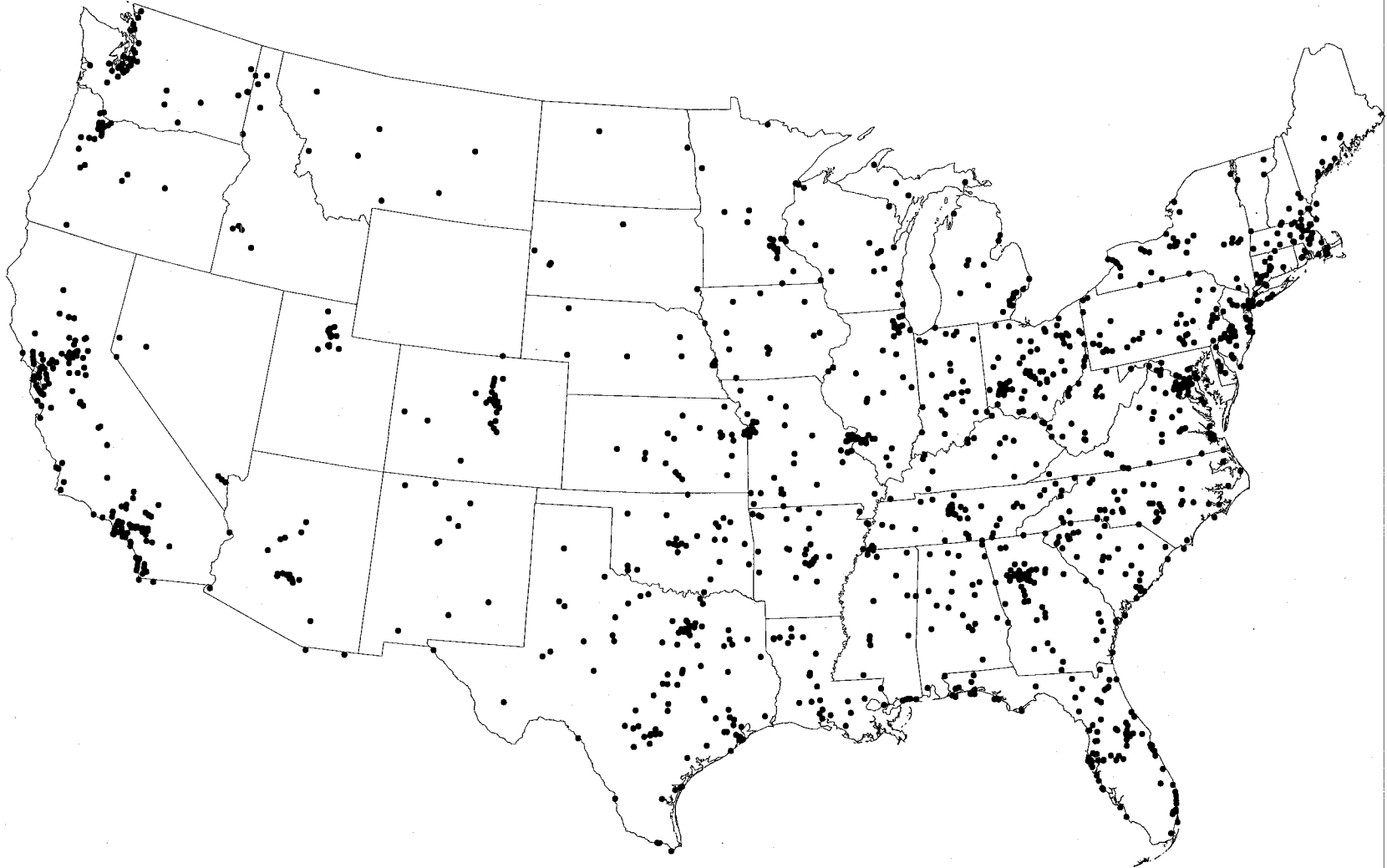
Year	Eligible	Attended (%)	Ranch Hand	Eligible	Attended (%)	Comparison
1982	1,209	1,046 (86.5)	1,666	1,223 (73.4)		
1985	1,209	1,017 (84.1)	1,666	1,292 (77.6)		
1987	1,199	996 (83.1)	1,713	1,298 (75.8)		
1992	1,188	953 (80.2)	1,730	1,280 (74.0)		
1997	1,149	870 (75.7)	1,761	1,251 (71.0)		
2002	1,102	777 (70.5)	1,920	1,174 (61.1)		

Morbidity Study Participation*





Residential Locations



- Unprecedented scope
- Loss to follow-up, differential compliance
- Exposure assessment
- Credibility

Protocol Issues (1977-1979)





Design and Analysis Issues*



- **Exposure misclassification and bias (1979)**
- **Measurement error in half-life studies (1992)**
- **Validity of the dioxin body burden (1995)**
- **Reliability of the dioxin assay (1996)**
- **Bias in the half-life studies (1999)**

***Each issue was studied and the results were published
In the year given in parentheses.**

Year	Index
1978 (Protocol)	Flights×Gallons×
Days×Concentration	Gallons×Concentration/persons
1987, 1992,	Dioxin body burden
1997, 2002	

Exposure Indices





Median dioxin levels in selected populations

Ground troop veterans in AOVS

- Controls
- Low
- Medium
- High

Ranch Hand veterans

- Controls
- Officers - non-flying
- Officers - flying (navigators)
- Officers - flying (pilots)
- Enlisted men - flying
- Enlisted men - non-flying

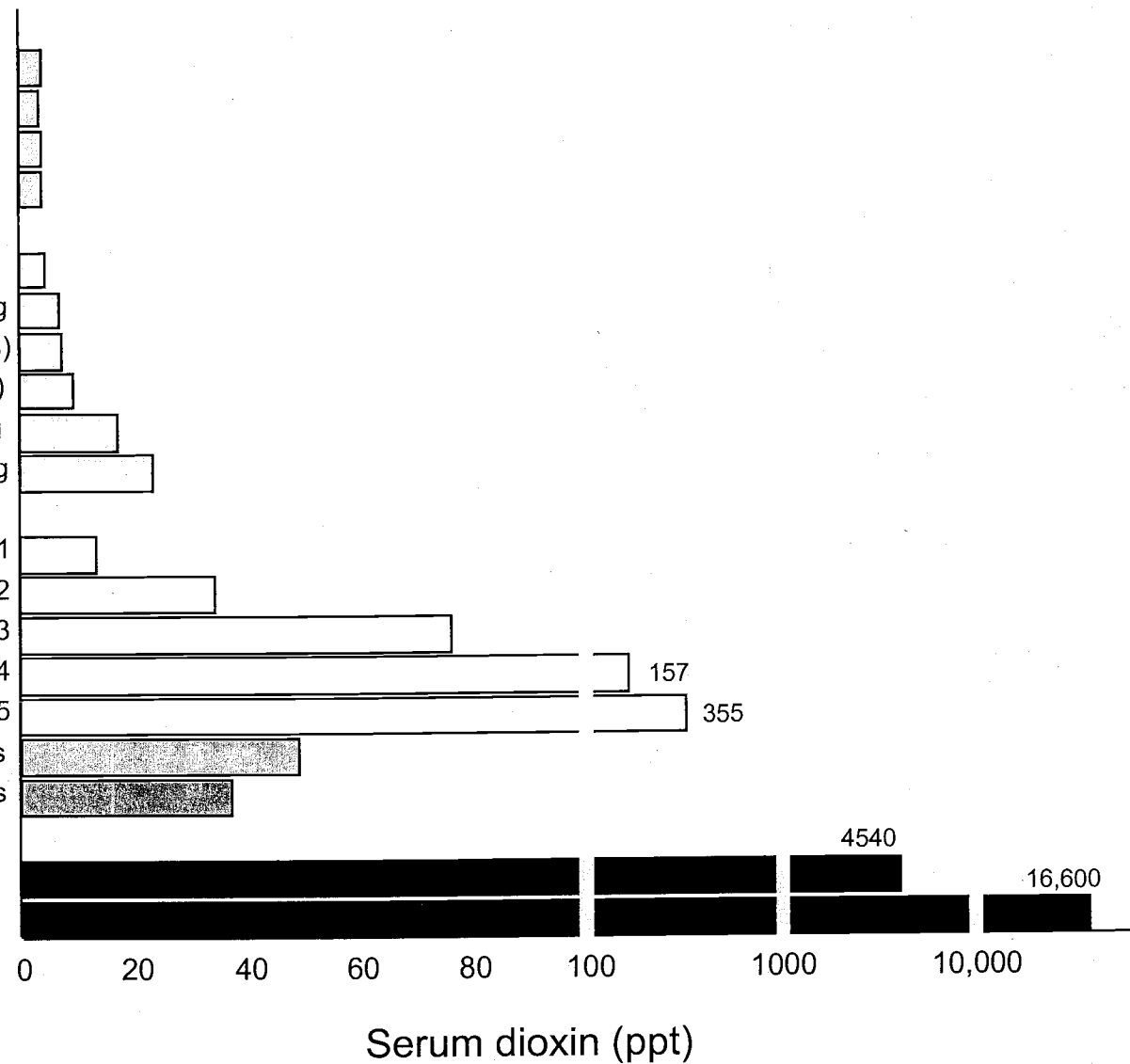
Occupational exposures

- NIOSH workers - quintile 1
- quintile 2
- quintile 3
- quintile 4
- quintile 5

- German plant workers
- New Zealand sprayers

Seveso, Italy population

- Without chloracne
- With chloracne



+: significant adverse finding
±: significant adverse findings and non-significant findings

Endpoint	Findings
General Health	+
Cancer	+
Neurology	+
Psychology	+
Gastrointestinal	±
Cardiovascular	±

Morbidity Results





Morbidity Results



Endpoint	Findings
Hematology	±
Endocrinology	+
Immunology	-
Pulmonary	±
Dermatology	-
Renal	-

+: significant adverse finding

±: significant adverse findings and non-significant findings

Findings

Outcome

±

Sperm count or abnormalities

Testicular abnormalities

Intrauterine growth retardation

Neonatal or infant death

Spontaneous abortion

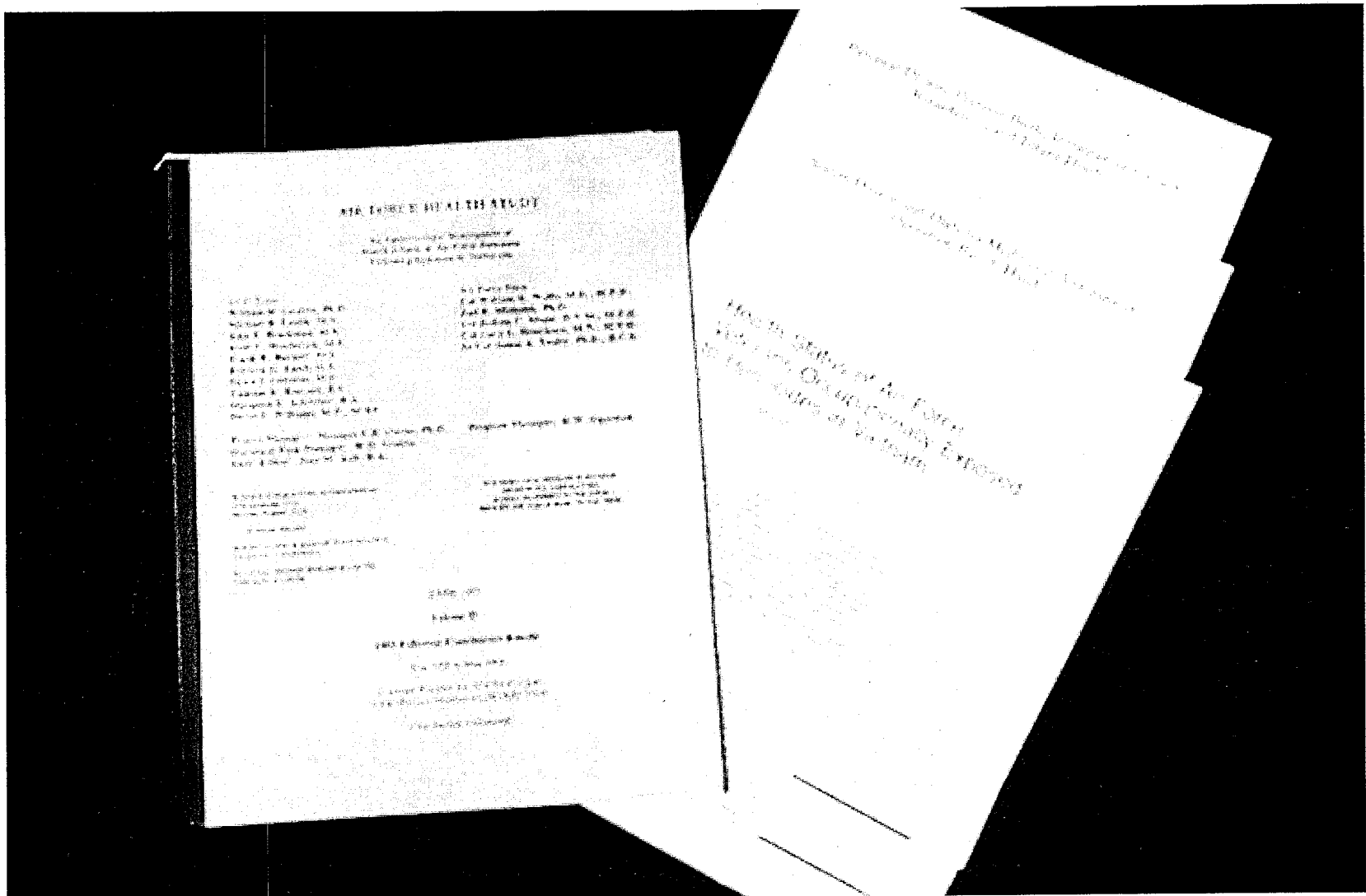
Birth defects

Delays in development

Hyperkinetic syndrome

Reproductive Outcome Summary





MEMORANDUM FOR THE RECORD

Mr. [Name]	Mr. [Name]
Mr. [Name]	Mr. [Name]
Mr. [Name]	Mr. [Name]
Mr. [Name]	Mr. [Name]
Mr. [Name]	Mr. [Name]
Mr. [Name]	Mr. [Name]
Mr. [Name]	Mr. [Name]
Mr. [Name]	Mr. [Name]
Mr. [Name]	Mr. [Name]
Mr. [Name]	Mr. [Name]
Mr. [Name]	Mr. [Name]

Mr. [Name], [Title]

Mr. [Name], [Title]

Mr. [Name], [Title]

Mr. [Name], [Title]

Mr. [Name], [Title]

Mr. [Name], [Title]

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MEMORANDUM FOR THE RECORD

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www.brooks.af.mil/AFRL/HED/hedb/afhs.html

Web Page





July 30, 2004

Larisa N. Dawkins
AFRPA/DC-K
143 Billy Mitchell Blvd., Ste 1
San Antonio TX 78226

Dear RAB Members

I wanted to let you know that the "ATSDR Community Update" on the August 10, 2004 TRS agenda will be an announcement, not a presentation. Ms. Maria MacIver will not discuss the findings of the reports on public health assessment, on-base indoor air and on-base drinking water; she will only announce that the reports are final. An ATSDR technical expert will be placed on the agenda for the October 19, 2004 RAB meeting to make a presentation and answer questions about this ATSDR report. The expert will not be available to answer questions about ATSDR's Past Air Emissions Study.

A special RAB meeting has been scheduled for September 14, 2004, at 6:30 p.m. to further discuss your questions and concerns about the 2004 Semi-Annual Compliance Plan. This meeting will be held at the Environmental Health and Wellness Center and will take the place of the next scheduled TRS meeting.

Sincerely

A handwritten signature in cursive script, appearing to read "Larisa N. Dawkins".

LARISA N. DAWKINS
Interim Public Affairs Officer



Community Health Update

Kelly Air Force Base
San Antonio, Texas

August, 2004

The Agency for Toxic Substances and Disease Registry (ATSDR) is a public health agency in Atlanta, Georgia. In 1996, ATSDR received a petition from the late U.S. Representative Frank Tejeda requesting an investigation to determine whether potential releases of hazardous substances from Kelly Air Force Base (AFB) might be associated with health problems in communities surrounding the base. ATSDR began an investigation late that year and released a public health assessment for public comment in August 1999 which addressed exposure pathways in the area. Subsequently ATSDR evaluated several other public health issues related to Kelly AFB, including on-base drinking water and current air emissions. These public health issues are addressed by ATSDR in the Kelly AFB Public Health Assessment and the drinking water consultation and current air emissions consultation to be released August 11, 2004. The documents will be available locally for public review. See the list of locations on the next page.

What Is a Public Health Assessment?

An ATSDR public health assessment is a report that examines data and information on the release of hazardous substances into the environment and lets the public know if exposure to those substances could harm people living, working, or playing on, or near, the site.

What Did ATSDR Find?

Public Health Assessment

ATSDR found that it is unlikely that any health effects could result from current exposure to chemicals in the air, soil, and water near Kelly AFB.

Chemicals in the Water

Shallow (groundwater) aquifer

There is contamination in the shallow groundwater aquifer, but this is not the source of your drinking water. The shallow groundwater aquifer is (15–30 feet below the ground surface).

Edwards Aquifer

Your drinking water comes from the Edwards Aquifer, which is 800–1,000 feet below the ground surface. The state of Texas and the Edwards Aquifer Authority are taking measures to protect the Edwards Aquifer from becoming contaminated.

San Antonio Water System (SAWS)



Leon Creek

PCBs were not detected in fish caught in Leon Creek (both upstream and adjacent to Kelly AFB). This conclusion is based on data collected in 1994 and examined by ATSDR in 1996. In 2002, the Texas Department of Health issued a health advisory on fish consumption after PCBs were found in fish from Leon Creek, adjacent to Kelly AFB. This suggests a new source of contamination may exist that should be investigated further by the appropriate authorities.

Chemicals in the Soil

Community members took soil samples from yards near Kelly AFB. These samples showed there is not enough lead in the soil to cause health problems. Because this is a concern in San Antonio, ATSDR has worked with the San Antonio Metropolitan Health District (SAMHD) to provide blood-lead testing and to tell people how to prevent lead exposure. If you want your child tested for lead, or if you would like more information about lead poisoning, call SAMHD at 210-297-8780.

What Did ATSDR Find During On-base Evaluations at Kelly AFB?

Potential Current Air Exposure

ATSDR reviewed pollutants released into the air after 1995 from operations at Kelly AFB. ATSDR estimated the amount of exposure to contaminants by on-base personnel.

Findings: On-base personnel are not expected to experience an increase in illness from exposure to current air emissions at Kelly AFB.

Past Drinking Water Exposure

ATSDR reviewed water-quality data from drinking water wells on Kelly AFB.

Findings: Water in the shallow aquifer beneath Kelly AFB is contaminated. Kelly AFB is one of the major sources of this contamination.

Personnel are not expected to experience an increase in illness from past exposure to drinking water at Kelly AFB, including wells 313 and 314.

What Will ATSDR Do Next?

ATSDR will release the following documents to address the issues indicated:

- **Health-outcome Data Consultation**
Health-outcome data provide information on disease rates in an area.
- **East Kelly Public Health Assessment**
Community members living near East Kelly requested an evaluation of the East Kelly area because they are concerned about exposure to contaminated groundwater, the possibility of contaminated on-site soil reaching nearby

homes through storm water runoff, and exposure to soil gas that might migrate into nearby homes.

- **Past Air Emissions Consultation**

ATSDR reviewed data provided by Kelly AFB and other sources on past air emissions from aircraft and industrial facilities. Findings of the ATSDR past air emissions consultation will be released in the fall of 2004.

Where Can I See the Documents?

The public health assessment and the water consultation will be available for review by local residents on August 11, 2004, at the following locations:

J.F. Kennedy High School Library

1922 South General McMullen
San Antonio, TX 78226

Pan American Library

1122 West Pyron
San Antonio, TX 78221

Las Palmas Library

515 Castroville Rd.
San Antonio, TX 78237

Memorial Library

3222 Culebra
San Antonio, TX 78228

FOR MORE INFORMATION, CALL

Susan Moore
ATSDR Team Lead
404-498-0505

María Terán-MacIver
ATSDR Community Involvement Specialist,
404-498-1754

George Pettigrew
ATSDR Region VI Representative
214-665-8361

Call toll free at
1-888-42-ATSDR



Noticia de Salud Comunitaria

Kelly Air Force Base
San Antonio, Texas

Agosto, 2004

La Agencia para Sustancias Tóxicas y Registro de Enfermedades (ATSDR por sus siglas en inglés) es una agencia de salud pública ubicada en Atlanta, Georgia. En 1996, ATSDR recibió una solicitud de parte del diputado Frank Tejeda pidiendo que la ATSDR investigara si los desechos de sustancias dañosas dentro de o alrededor de la base de Kelly podrían ser asociadas con enfermedades en las personas viviendo cerca de la base. ATSDR empezó una investigación los últimos de ese año, y en agosto de 1999, publicó para comentario del público, una evaluación de salud pública con discusión sobre las posibles vías de exposición. Desde entonces, la ATSDR ha investigado varias otras cuestiones de salud pública relacionadas a la base de Kelly AFB, incluyendo: el agua potable dentro de la base, y emisiones del aire actuales. Estas cuestiones de salud pública son discutidas en documentos que se publicarán el 11 de agosto de 2004.

¿Que es una evaluación sobre salud pública? (PHA)

Una evaluación sobre salud pública revisa la información existente acerca de las sustancias peligrosas del lugar y determina si la exposición a ellas podría causar algún daño a las personas viviendo, trabajando o jugando cerca del sitio.

¿Que descubrió la ATSDR?

Evaluación de Salud Pública

ATSDR descubrió que es improbable que efectos de salud podrían resultar de los químicos en el aire, el suelo y el agua.

Químicos en el Agua

Agua Subterránea, Nivel Superficial

El primer nivel de agua subterránea desciende de 15 a 30 pies de hondura. Agua que queda a este nivel está contaminada. Pero esta fuente o este origen de agua no se usa en la ciudad para beber y no puede afectar la salud de la comunidad.

Edwards Aquifer

El segundo nivel de agua subterránea se llama el Edwards Aquifer. Este nivel de agua queda de 800 a 1000 pies de hondura. El Edwards Aquifer es la fuente o el origen del agua que se bebe en la comunidad. Este nivel de agua subterránea se protege de la contaminación por capas o densidades de piedra y

San Antonio Water System (SAWS)



barro. Esta fuente de agua no causa ningún riesgo a la salud de la comunidad. El Estado de Texas y la Autoridad del Edwards Aquifer está tomando medidas para proteger al Edwards Aquifer de la contaminación.

Leon Creek

De los datos examinados por al ATSDR en 1996, no se detectaron PCBs en pescados recogidos en Leon Creek rio arriba o cerca de Kelly AFB. En 2002, el Departamento de Salud de Texas distribuyó un aviso debido a niveles de PCB en pescados recogidos en Leon Creek cerca de Kelly AFB. Esto sugiere una nueva fuente de contaminación puede existir y debe ser investigado por las autoridades apropiadas..

Químicos en el Suelo

Miembros de la comunidad nos reconocieron muestras de tierra de alrededor de sus casa y yardas para examinación. Estas muestras indicaron que no había suficiente plomo en la tierra para causar daño a la salud. Pero como el problema de contaminación de plomo es un problema signficante en San Antonio, ATSDR colaboró con el departamento de salud de San Antonio (SAMHD, por sus siglas en inglés) para informar a la comunidad de la manera de proteger a los niños contra el plomo. Si quiere que su hijo se examine para el plomo, llame al SAMHD al 210-297-8780.

¿Que descubrió la ATSDR en sus evaluaciones de la base de Kelly AFB?

Investigación de Exposiciones Actuales por el Aire

La ATSDR revisó los contaminantes que se diseminaban por medio del aire durante actividades de Kelly AFB desde el 1995 hasta el presente. ATSDR calculó los niveles de contaminantes que podían realizar exposición para trabajadores dentro de la base por corto o largo tiempo.

Conclusiones: No se espera que trabajadores dentro de la base fueron expuestos a emisiones de aire actuales que podrían causar enfermedades.

Investigación del Agua Potable en el Pasado

La ATSDR revisó información sobre agua potable de pozo en la base de Kelly AFB.

Conclusiones: El agua en el acuífero superficial bajo de la base de Kelly AFB está contaminada. La base de Kelly AFB es una de las mayores fuentes de esta contaminación.

Trabajadores que bebían agua de pozos números 313 y 314, dentro de la base de Kelly AFB, no fueron expuestos a niveles de contaminación que les causara enfermedad.

¿Que va a hacer la ATSDR en seguida?

ATSDR va a publicar los siguientes documentos:

- Información de Salud (HOD por sus siglas en inglés): Esta información se usa para responder a cuestiones sobre índices de enfermedades en una area.
- Evaluación de la área de East Kelly: La comunidad solicitó una evaluación de la área de East Kelly. Miembros de la comunidad cerca de East

Kelly tenían preocupaciones sobre (a) exposición a contaminación por medio de agua subterránea, (b) la posibilidad que suelo contaminado en el sitio de East Kelly podría llegar a sus hogares por medio de agua que se escurre durante una tormenta, (c) y exposición por medio de gases en el suelo que posiblemente podrían emigrar a sus hogares.

- Investigación de Exposiciones por el Aire en el Pasado: La ATSDR revisó información proporcionada por la base de Kelly y por otros recursos sobre emisiones al aire por parte de aviones y también por parte de las facilidades industriales. Los resultados de esta investigación se publicarán en el otoño de 2004.

Para mas información:

Los documentos de Kelly AFB PHA y Consultas de Aire y de Agua Potable se pueden encontrar en los siguientes lugares:

J.F. Kennedy High School Library

1922 South General McMullen
San Antonio, TX 78226

Pan American Library

1122 West Pyron
San Antonio, TX 78221

Las Palmas Library

515 Castroville Rd.
San Antonio, TX 78237

Memorial Library

3222 Culebra
San Antonio, TX 78228

Para mas información a quién puedo llamar?

Susan Moore

Lider del grupo
404-498-0505

María Terán-MacIver

Especialista de Participación Comunitaria
404-498-1754

George Pettigrew

Representante Regional
214-665-8361

O llame libre de costo al

1-888-42-ATSDR



Fact Sheet Questionnaire

Dear Sir or Madam:

The leadership and staff members of the Division of Health Assessment and Consultation (DHAC) of the Agency for Toxic Substances and Disease Registry (ATSDR) request your assistance and cooperation in helping us to improve the timeliness and effectiveness of our public health services and documents. As a recent recipient of DHAC public health services and documents, your responses to a few questions about the documents and services you received will be very valuable to us. Please take a few minutes to carefully answer the following questions. We also encourage you to add any additional comments you believe will help us improve our work. Please simply fold, seal, and mail the completed survey form.

Monty Howie, Chief
 Program Evaluation, Records, and Information Services Branch
 Division of Health Assessment and Consultation
 Agency for Toxic Substances and Disease Registry

SITE : Kelly Air Force Base; August 11, 2004

Form Approved
 OMB No. 0923-0016
 Expiration Date: January 31, 2006

1. Did the fact sheet provide the site related environmental health information you needed? Yes No

If no, what was needed?: _____

2. What is the best way to keep you informed about the environmental health issues in your community? (Please indicate your priority by numbering the items with number 1 being your first choice, number 2 your second choice and so forth.)

Fact sheet mailed to my home _____ Newspaper _____ Television _____ Radio _____
 Regularly updated website _____ Emailed newsletters and notices _____ Other _____

3. Was the environmental health fact sheet easy to understand? Yes No

If not, what would have made the report easier to understand? _____

4. Was the environmental health fact sheet available when you needed it? Yes No

If no, how long did you have to wait for the fact sheet to be available?: 1 week 2 to 4 weeks
 1 to 3 months 3 to 12 months more than 1 year

Comments? _____

5. Which category describes you best? *Check only one.*

- | | |
|--|--|
| <input type="checkbox"/> Concerned member of community | <input type="checkbox"/> Government staff working on site issues |
| <input type="checkbox"/> Health care professional | <input type="checkbox"/> Federal |
| <input type="checkbox"/> Elected official | <input type="checkbox"/> State |
| <input type="checkbox"/> Site owner/operator/ representative | <input type="checkbox"/> Tribal |
| <input type="checkbox"/> Other (please specify) _____ | <input type="checkbox"/> Municipal or county |

Are there any other comments you would like to make about the report or this survey? (Please use the back of this form for additional comments.)

Public reporting burden of this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to ATSDR, Reports Clearance Officer, 1600 Clifton Road NE, MS D-24, Atlanta, Georgia 30333. ATTN: PRA (0923-0016) Do not send the completed form to this address.

DEPARTMENT OF HEALTH & HUMAN SERVICES
Public Health Service
Centers for Disease Control and Prevention
Atlanta, Georgia 30333

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Division of Health Assessment and Consultation
ATTN: Chief, PERIS Branch
Mailstop E60
1600 Clifton Road, N.E.
Atlanta, GA 30333

Please use space for any additional comments:

Please fold in thirds with address on outside, tape closed and mail back to us. No Postage is required. Thank you for responding

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE