



KELLY AFB
TEXAS

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 3233

Kelly Restoration Advisory Board (RAB)

Meeting Agenda

July 19, 2005

Kennedy High School, Cafeteria
1922 S. General McMullen

- | | | |
|-------------|---|--|
| 6:30 - 6:50 | Introduction
A. Pledge of Allegiance
B. Moment of Silence
C. Roll Call
D. Agenda Review
E. Packet Review
F. Community Comment Period | Dr. David Smith |
| 6:50 - 7:00 | Administrative
A. Approval of January Summary and April/June Minutes
B. October Elections | Mr. Adam Antwine/
Mr. Robert Silvas |
| 7:00 - 7:10 | Property Transfer | Ms. Vanessa Musgrave |
| 7:10 - 7:20 | Environmental Update | Mr. Adam Antwine |
| 7:20 - 7:30 | Question & Answer Session on the
Property Transfer/ Environmental Update | Dr. David Smith |
| 7:30 - 7:50 | Current Events Update
A. Spill Report
B. Kelly Health Information Officer Update
C. Documents to TRS/RAB
D. Requests for Information
E. Outreach Activities
F. TAPP Update | Ms. Sonja Coderre |
| 7:50 - 8:10 | Public Center for Environmental Health Update | Dr. Fernando Guerra |
| 8:10 - 8:20 | Question & Answer Session on the
Public Center for Environmental Health Update | Dr. David Smith |
| 8:20 - 8:30 | Meeting Wrap-up
Next TRS Meeting
Aug. 9, 6:30 p.m.: Environmental Health & Wellness Center, 911 Castroville Rd*
Sept. 13, 6:30 p.m.: Environmental Health & Wellness Center, 911 Castroville Rd*
Next RAB Meeting
Oct. 18, 6:30 p.m.: Kennedy High School, Cafeteria, 1922 S. General McMullen* | |
| 8:30 | Adjournment | |

**Meeting dates, locations and agenda items are subject to change.*

July 19, 2005
Kelly Restoration Advisory Board
Restoration Advisory Board (RAB) Meeting
Kennedy High School, Cafeteria
1922 S. General McMullen
San Antonio, Texas 78226

Meeting Minutes

RAB Community Member Attendees:

Mr. Robert Silvas, Community Co-chair
Ms. Esmeralda Galvan
Mr. Rodrigo Garcia Jr.
Ms. Henrietta LaGrange
Mr. Nazirite Perez
Mr. Armando Quintanilla
Mr. George Rice
Mr. Michael Sheneman
Ms. Carol Vaquera

RAB Government Member Attendees:

Mr. Adam Antwine, Installation Co-chair
Ms. Maricela Espinoza-Garcia, Greater Kelly Development Authority (GKDA)
Mr. Greg Lyssy, Environmental Protection Agency (EPA) Region VI
Ms. Melanie Ritsema, San Antonio Metropolitan Health District (SAMHD)
Mr. Mark Weegar, Texas Commission on Environmental Quality (TCEQ)

Other Attendees:

Mr. E. Arispe, Community Member
Ms. Sonja S. Coderre, Air Force Real Property Agency (AFRPA)DC
Ms. Kyle Cunningham, PCEH
Mr. Ben Galvan, Community Member
Ms. Cassie Kalin, TCEQ
Ms. Linda Kaufman, Environmental Health and Wellness Center (EHWC)
Ms. Cheri Kirkpatrick, AFRPA Contractor
Ms. Kelley Kravitz, AFRPA Contractor
Ms. Martha A. Moduluo, Community Member
Ms. Vanessa Musgrave, AFRPA
Mr. Jerry Needham, Express News
Ms. Abbi Powers, TCEQ
Ms. Heather Ramon-Ayala, AFRPA contractor
Ms. Lisa Sorge, Community Member
Ms. Lisa Starns, Community Member
Mr. Tim Sueltenfuss, AFRPA contractor
Dr. David Smith, Facilitator
Ms. Linda Ward, Community Member

The meeting began at 6:43 p.m.

I. Introduction – Dr. David Smith

Dr. David Smith began the meeting by welcoming RAB members and other attendees.

Dr. Smith informed everyone that due to other commitments, Dr. Fernando Guerra's presentation on behalf of the Public Center for Environmental Health would be moved on the agenda to take place prior to the Current Events Update.

II. Community Comment Period – Dr. David Smith

Mr. Rodrigo Garcia Jr. read a statement aloud.

Ms. Esmeralda Galvan gave a community comment.

Mr. Robert Silvas gave a community comment.

Ms. Henrietta LaGrange gave a community comment.

Mr. Michael Sheneman gave a community comment.

Ms. Henrietta LaGrange moved the process regarding Dr. Elaine Ingham be expedited as a contractor. No action was taken on this motion.

III. Administrative – Dr. David Smith**A. Approval of January Summary and April/June Minutes**

Mr. Armando Quintanilla moved the January summary not be accepted. Mr. Nazarite Perez seconded the motion. Mr. Armando Quintanilla amended his motion to state the January summary be disapproved and corrected. Mr. Robert Silvas seconded the motion. The motion was voted on by the RAB, 8 for, none opposed, and 1 abstention.

Mr. Robert Silvas moved to disapprove the April minutes until the court reporter document is mailed to him and he is able to review it. Mr. Rodrigo Garcia Jr. seconded the motion. The motion was voted on by the RAB, 8 for, none opposed, and 1 abstention.

Mr. Armando Quintanilla moved the June Minutes be corrected to state that Mr. Mike DeNuccio volunteered to serve as parliamentarian. Mr. Armando Quintanilla withdrew his motion.

Mr. Rodrigo Garcia Jr. moved the June minutes be rejected, redone, and reviewed by the Co-chairs. Mr. Michael Sheneman seconded the motion. The motion was voted on by the RAB, 9 for and none opposed.

IV. Property Transfer Update – Ms. Vanessa Musgrave

Ms. Vanessa Musgrave gave an update on the property transfer process and properties already transferred by the former Kelly AFB.

V. Environmental Update – Mr. Adam Antwine

Mr. Adam Antwine gave an update on the environmental projects scheduled for the former Kelly AFB.

Questions and answer session followed regarding the Property Transfer Update and Environmental Update.

Mr. Rodrigo Garcia Jr. moved the Environmental Restoration program staff provide for new RAB members not properly trained, an outline on the amount of money spent on each project and the location of the project for all items listed on the environmental update table and for all fiscal years provided. Mr. Michael Sheneman seconded the motion. The motion was voted on by the RAB, 6 for, none opposed, and 2 abstentions.

VI. Public Center for Environmental Health Update – Dr. Fernando Guerra

Dr. Fernando Guerra gave an update on the Public Center for Environmental Health.

Questions and answer session followed regarding the Public Center for Environmental Health Update.

VII. Current Events Update – Ms. Sonja Coderre

- A. Spill Report – No spills to report.
- B. Kelly Health Information Officer Update – Kelly information officer unable to attend.
- C. Documents to TRS/RAB – A review of documents included in packets.
- D. Requests for information – A review of requests for information included in packets.
- E. Outreach Activities – A group of ten students from the University of the Incarnate Word were escorted on a tour of the Groundwater Treatment Plant 5 July 2005.
- F. TAPP Update – An update of TAPP process and contractors was given.


Mr. Rodrigo Garcia Jr. moved the RAB direct who the eligible TAPP contractors are; the RAB take a closer look at the requests that staff do a better job of answering questions, providing materials and providing detailed information and a plan of action. Ms. Henrietta LaGrange seconded the motion. The motion was voted on by the RAB, 8 for, none opposed, 1 abstention.

VIII. Meeting Adjournment

Mr. Michael Sheneman moved for adjournment. Ms. Henrietta LaGrange seconded the motion. Motion was voted on by the RAB, 9 for and none opposed.

The meeting was adjourned at 9:35 p.m.

These minutes have been composed in accordance with Robert's Rules of Order as per the request of the RAB members.


 Robert Silvas
 Community Co-chair

10/11/05
 Date


 Adam Antwine
 Installation Co-chair

10/11/05
 Date

U.S. Air Force Real Property Agency

Integrity - Service - Excellence

Kelly Property Transfer



19 July 2005

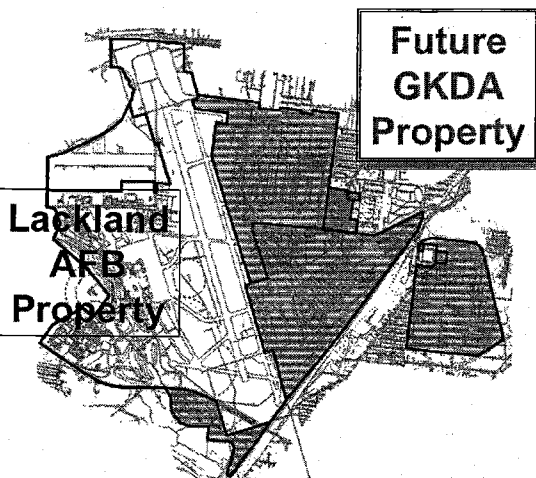
U.S. AIR FORCE



BRAC Decision (June 1995)

U.S. AIR FORCE

- Close the San Antonio Air Logistics Center (ALC)
- Disestablish the Defense Distribution Depot, San Antonio
- Realign tenant units to Lackland



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Property Transfer Process

U.S. AIR FORCE

- **IBASC formed in July 1995:** Initial Base Adjustment Strategy Committee (IBASC) conducted redevelopment planning after great deal of public input
- **GKDA created:** the Greater Kelly Development Authority is a non-profit corporation approved by DoD as the official Local Redevelopment Authority (LRA) that plans and implements the redevelopment of the former base
- **Redevelopment Plan submitted to AF:** The plan is used as the basis for redevelopment
- **Deeds:** Parcels are coordinated with regulators regarding their suitability for transfer then are deeded to GKDA. A 30-day public comment period is held on each draft Finding of Suitability to Transfer (FOST).
 - Deeds include AF access to property for environmental cleanup, Long-Term Operation (LTO) or Long-Term Monitoring (LTM)
 - When regulators concur that cleanup goals are achieved the public will be notified

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3



Kelly Property Transfer Status

U.S. AIR FORCE

- Total Acres to Transfer: 1,887
- Total Acres Transferred to Date: 321

- Acres Transferred Prior to FY 2005: 113
- Acres Transferred in FY 2005 so far: 208 (expect to transfer 59 more)
- Estimated Acres Expect To Transfer in Future Years:
 - FY 2006: 109
 - FY 2007: 942
 - FY 2009: 77
 - FY 2011: 378

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4



U.S. AIR FORCE

FY06 - FY11 Environmental Restoration Projects

FY	Project	FY	Project
06	Operations and Maintenance - \$5,600,000 RCRA Compliance Plan Sampling - \$1,991,000 SWMU Remedial Action - \$4,971,000	09	Operations and Maintenance - \$5,339,329 RCRA Compliance Plan Sampling - \$3,257,161
07	Operations and Maintenance - \$6,719,702 RCRA Compliance Plan Sampling - \$2,780,409	10	Operations and Maintenance - 5,266,219 RCRA Compliance Plan Sampling - \$2,417,257 Site MP Optimization - \$9,140,000
08	Operations and Maintenance - \$5,270,623 RCRA Compliance Plan Sampling - \$3,009,592	11	Operations and Maintenance - \$6,749,612 RCRA Compliance Plan Sampling - \$2,552,420

Documents to the TRS/RAB

I, Robert Silvas, Co-chair of the Kelly Restoration Advisory Board, accept the following document(s) to be included in the Co-chair Library at the Environmental Health and Wellness Center. The document(s) will remain in the Co-chair library to allow fellow RAB members the opportunity for review. The documents will not be replaced if removed.

1. Texas Commission on Environmental Quality letter dated 11 Jul 05 regarding "Approval - Response to TCEQ March 18, 2005 Comments Letter - Sanitary Sewer Release Assessment Report"
2. Documents not related to the environmental restoration program at the former Kelly AFB submitted by Mr. Robert Silvas to AFRPA 18 Jul 05
3. _____
4. _____

<i>Robert Silvas</i>	<i>15-19-05</i>	<i>Adam Antwine</i>	<i>7/19/05</i>
Robert Silvas	Date	Adam Antwine	Date
RAB Co-chair		Installation Co-chair	

Please send copies to all RAB members and alternates



DEPARTMENT OF THE AIR FORCE
AIR FORCE REAL PROPERTY AGENCY

JUL 19 2005

AFRPA/DC-Kelly
143 Billy Mitchell Blvd Ste 1
San Antonio TX 78226-1816

Ms. Henrietta LaGrange

Dear Ms. LaGrange

Thank you for your continued interest in the Kelly Restoration Advisory Board (RAB). I commend your commitment to the community as you expand your role on the RAB as the Parliamentarian. As per our discussion, allow me to take this time to provide you with some useful information regarding parliamentary procedure.

The use of parliamentary procedure provides an orderly way of conducting meetings of the RAB. In accordance with the Kelly RAB Operating Procedures, Robert's Rules of Order are the guidelines for parliamentary procedure used during the meeting.

According to Robert's Rules of Order, the role of the Parliamentarian is to advise the presiding officer on parliamentary matters. A parliamentarian should have a fair and impartial attitude, as well as knowledge of parliamentary procedure. A Parliamentarian should have a fundamental knowledge of the written policies of the RAB. The Parliamentarian does not vote on any questions except in the case of a ballot vote. The Parliamentarian should be thoroughly familiar with the operating procedures of the RAB and have a copy of Robert's Rules of Order Newly Revised on hand at the meetings for quick reference.

A condensed version of Robert's Rules of Order (taken from www.rulesonline.com) was provided to all RAB members at the 19 February 2005 RAB workshop. In addition to the version provided to you, an overview of the main issues of Robert's Rules of Order, entitled *Robert's Rules of Order in Brief*, is on order by AFRPA and will be provided to you for reference throughout your term as Parliamentarian.

A video entitled "Parliamentary Procedure Made Simple" is also currently on order by AFRPA and will be available for your viewing to further assist you in your role as parliamentarian. This 80-minute video reviews parliamentary procedure, quorums, order of business, motions, subsidiary motions, committees, boards, and presidents (co-chairs).

Furthermore, Ms. Ella Carlson, a registered parliamentarian and member of the Texas Parliamentary Association, is available to answer brief questions about parliamentary procedure. Ms. Carlson may be contacted at (830) 931-2660. For further training of parliamentarian basics, Ms. Carlson is also available at a rate of \$50 per hour. Please note this training is available at your own discretion and cost and will not be compensated by AFRPA.

I hope the items we are purchasing for your use will prove valuable to you as you serve your term in the new position as Parliamentarian of the Kelly RAB.

If you have questions or comments regarding this letter, please contact the AFRPA/DC-Kelly Public Affairs Officer Sonja Coderre at (210) 925-0956.

Sincerely

A handwritten signature in cursive script that reads "Adam G. Antwine".

ADAM G. ANTWINE
Senior Representative



15 July 2005

AFRPA/DC-Kelly
143 Billy Mitchell Blvd Ste 1
San Antonio TX 78226-1816

Dear Neighbor/Resident,

As part of its ongoing environmental cleanup program, Kelly Air Force Base (AFB) submitted a request to the Texas Commission on Environmental Quality (TCEQ) on 15 July 2005 for a Class 2 Modification to Compliance Plan No. 50310 in accordance with Title 30 of the Texas Administrative Code (TAC) §305.69(c), *Solid Waste Permit Modification at the Request of the Permittee*. The proposed modification requests the removal of groundwater recovery well ST006RW112 and the associated groundwater collection trench from the Site S-4 corrective action system and removes Point of Compliance and Background wells associated with the 1100 Area. The 1100 Area has achieved site closure under the Risk Reduction Standards. In addition, the modification changes the status of sites listed in the Compliance Plan.

The attached notice will be published in the *San Antonio Express-News* on 16 July 2005. The *Express-News* notice begins a 60-day comment period for the modification request. A **Public Meeting** has been scheduled on 23 August 2005 at 6:00 p.m. at 485 Quentin Roosevelt Road, Room 202 for this modification request.

You have an opportunity to submit written comments and/or requests for information regarding this modification within **60 days** of the date of publication of the attached notice to the TCEQ contact person, Mr. Edward Biskup, Industrial and Hazardous Waste Permits Section, Mail Code 130, P.O. Box 13087, Austin, Texas 78711-3087, phone (512) 239-2334. The permittee's compliance history during the life of the permit being modified is available from the agency contact person. The Compliance Plan Class 2 Modification request is available for viewing and copying at the San Antonio Central Library, Government Documents Section, Second Floor, 600 North Soledad Street, San Antonio, Texas 78205-1208 or at the TCEQ offices in Austin and San Antonio.

We appreciate the public's involvement and cooperation in this cleanup effort. If you have any questions regarding the modification request or the notice, the applicant's contact person is Ms. Norma J. Landez, BRAC Environmental Coordinator who can be reached at (210) 925-0956 or the address above.

Sincerely,

A handwritten signature in cursive script, reading "Adam G. Antwine", is written over a horizontal line.

ADAM G. ANTWINE
Senior Representative

Attachment:
Public Notice

cc:

TCEQ (E.J. Biskup)

TCEQ (M. Weegar)

TCEQ Region 13 (A. Power)

EPA Region 6 (G. Miller)

NOTICE OF CLASS 2 COMPLIANCE PLAN MODIFICATION REQUEST

United States Air Force, Kelly AFB, AFRPA/DC-K, located at 143 Billy Mitchell Blvd., Suite, 1, San Antonio, Texas 78226-1816, an industrial and hazardous waste facility, has requested a Class 2 modification to Compliance Plan No. 50310 issued by the Texas Commission on Environmental Quality (TCEQ).

The proposed modification requests the removal of groundwater recovery well ST006RW112 and the associated groundwater collection trench from the Site S-4 corrective action system and removes Point of Compliance and Background wells associated with the 1100 Area. The 1100 Area has achieved site closure under the Risk Reduction Standards. In addition, the modification changes the status of sites listed in the Compliance Plan..

PUBLIC MEETING

As required by 30 TAC §305.69(c), the Air Force will hold a **PUBLIC MEETING** on this modification request at **6 p.m., August 23, 2005** at 485 Quentin Roosevelt Road, Room 202. The purpose of the public meeting is to provide information and discuss issues related to the modification.

COMMENT PERIOD

Written comments and/or request for information regarding this modification must be submitted within **60 days** of the date of publication of this notice to the TCEQ contact person, Mr. Edward Biskup, Industrial and Hazardous Waste Permits Section, Mail Code 130, P.O. Box 13087, Austin, Texas 78711-3087, phone (512) 239-2334. The permittee's compliance history during the life of the permit being modified is available from the agency contact person. The applicant's contact person is Ms. Norma J. Landez, BRAC Environmental Coordinator who can be reached at (210) 925-0956 or AFRPA/DC-K, 143 Billy Mitchell Blvd., Suite 1, San Antonio, TX 78226-1816.

The compliance plan modification request is available for viewing and copying at the San Antonio Central Library, Government Documents Section, Second Floor, 600 North Soledad Street, San Antonio, Texas 78205-1208 or at the TCEQ offices in Austin and San Antonio.

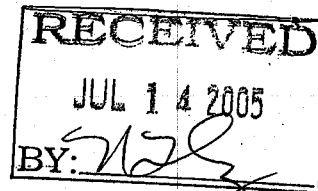
Maathleen Hartnett White, *Chairman*
 R. B. "Ralph" Marquez, *Commissioner*
 Larry R. Soward, *Commissioner*
 Glenn Shankle, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 13, 2005



CERTIFIED MAIL - RETURN RECEIPT REQUESTED -7004 1350 0000 4762 2863

Ms. Norma Landez, BRAC Environmental Coordinator
 United States Department of the Air Force
 143 Billy Mitchell, Suite 1
 Kelly AFB, Texas 78226

Re: Notice of Enforcement Action
 United States Department of the Air Force
 RN103915435
 Docket No. 2005-0964-IHW-E; Enforcement Case No. 25390
FOR SETTLEMENT PURPOSES ONLY

Dear Ms. Landez:

The Executive Director of the Texas Commission on Environmental Quality ("Commission" or "TCEQ") is pursuing an enforcement action against United States Department of the Air Force for violations of the Texas Water Code and/or Commission Rules. These violations were discovered during an investigation conducted on October 23, 2004 and documented in a letter dated April 20, 2005 from the TCEQ San Antonio Regional Office.

Please find enclosed a proposed agreed order which we have prepared in an attempt to expedite this enforcement action. The order assesses an administrative penalty of Four Thousand Five Hundred Dollars (\$4,500) and identifies the violations that we are addressing.

If you have any questions regarding this matter, we are available to discuss them in a conference in Austin or over the telephone. If we reach agreement in a timely manner, the TCEQ will then proceed with the remaining procedural steps to settle this matter. These steps include publishing notice of the proposed order in the *Texas Register*, and scheduling the matter for the Commission's agenda. We believe that handling this matter expeditiously could save United States Department of the Air Force and the TCEQ a significant amount of time, as well as the expense associated with litigation.

A copy of the order is provided for your files. Also enclosed for your convenience is a return envelope. If you agree with the order as proposed, please sign and return the original order **and** the penalty payment (check payable to "TCEQ" and referencing United States Department of the Air Force, Docket No. 2005-0964-IHW-E) to:

Ms. Norma Landez
Page 2
July 13, 2005

Financial Administration Division, Revenues
Attention: Cashier's Office, MC 214
Texas Commission on Environmental Quality
P.O. Box 13088
Austin, Texas 78711-3088

Should you believe you are unable to pay the proposed administrative penalty, you may claim financial inability to pay part or all of the penalty amount. In order to qualify for financial inability to pay, the penalty must be greater than 1% of annual gross revenues. If this is the case, please contact us immediately to obtain a list of financial disclosure documents that must be submitted within 30 days of the receipt of this letter. These documents, once properly completed and submitted, will be thoroughly reviewed to determine if we agree with the claim of financial inability. Please be aware that if financial inability is proven to the satisfaction of staff, discussions pertaining to the penalty amount adjustment will focus only on deferral and not on waiver of the penalty amount. The Commission will make the final decision on the staff recommendation.

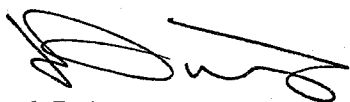
You may be able to perform or pay for a Supplemental Environmental Project ("SEP"), which is a project that benefits the environment, to offset a portion of your penalty. Please contact us for additional information regarding SEPs, or you may visit the Commission's web site at <http://www.tnrcc.state.tx.us/legal/sep/>.

Please note that any agreements we reach are subject to final approval by the Commission.

If we cannot reach a settlement of this enforcement action or you do not wish to participate in this expedited process, we will proceed with enforcement under the Commission's Enforcement Rules, 30 TEX. ADMIN. CODE ch. 70. Specifically, if the signed order and penalty are not mailed and postmarked within 60 days from the date of this letter, your case will be forwarded to the Litigation Division and this settlement offer will no longer be available. If you would like to obtain a copy of 30 TEX. ADMIN. CODE ch. 70 or any other TCEQ rules, you may contact any of the sources listed in the enclosed brochure entitled *Obtaining TCEQ Rules*. The enforcement process described in 30 TEX. ADMIN. CODE ch. 70 requires the staff to prepare and issue an Executive Director's Preliminary Report and Petition to the Commission.

For any questions or comments about this matter or to arrange a meeting, please contact me at (512) 239-3308.

Sincerely,



Joseph Daley, Coordinator
Enforcement Division
Texas Commission on Environmental Quality

Enclosures: Proposed Agreed Order, File Copy, Return Envelope, *Obtaining TCEQ Rules*, Penalty Calculation Worksheet, Site Compliance History

cc: Water Section Manager, San Antonio Regional Office, TCEQ

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



IN THE MATTER OF AN
ENFORCEMENT ACTION
CONCERNING
UNITED STATES DEPARTMENT OF
THE AIR FORCE
RN103915435

§
§
§
§
§
§

BEFORE THE

TEXAS COMMISSION ON

ENVIRONMENTAL QUALITY

AGREED ORDER
DOCKET NO. 2005-0964-IHW-E

At its _____ agenda, the Texas Commission on Environmental Quality ("the Commission" or "TCEQ") considered this agreement of the parties, resolving an enforcement action regarding United States Department of the Air Force ("USAF") under the authority of TEX. WATER CODE chs. 7 and 26. The Executive Director of the TCEQ, through the Enforcement Division, and USAF presented this agreement to the Commission.

USAF understands that it has certain procedural rights at certain points in the enforcement process, including, but not limited to, the right to formal notice of violations, notice of an evidentiary hearing, the right to an evidentiary hearing, and a right to appeal. By entering into this Agreed Order, USAF agrees to waive all notice and procedural rights.

It is further understood and agreed that this Order represents the complete and fully-integrated settlement of the parties. The provisions of this Agreed Order are deemed severable and, if a court of competent jurisdiction or other appropriate authority deems any provision of this Agreed Order unenforceable, the remaining provisions shall be valid and enforceable. The duties and responsibilities imposed by this Agreed Order are binding upon USAF.

The Commission makes the following Findings of Fact and Conclusions of Law:

I. FINDINGS OF FACT

1. USAF owns and operates Kelly Air Force Base located at Military Drive, San Antonio, Bexar County, Texas (the "Facility").
2. USAF has discharged industrial waste into or adjacent to any water in the state under TEX. WATER CODE ch. 26.

United States Department of the Air Force
DOCKET NO. 2005-0964-IHW-E
Page 2

3. During an investigation conducted on October 23, 2004, TCEQ staff documented a fish kill caused by an unauthorized discharge of industrial waste. Specifically a guar slurry mixture of approximately 20,000 gallons entered Leon Creek from a construction project around October 20-21, 2004.
4. USAF received notice of the violations on April 25, 2005.
5. The Executive Director recognizes that new procedures were established on November 1, 2004 to prevent new unauthorized discharges, which include checking trenches for any pipes prior to the slurry mixture being added to a trench.

II. CONCLUSIONS OF LAW

1. USAF is subject to the jurisdiction of the TCEQ pursuant to TEX. WATER CODE § 7.002 and ch. 26, and the rules of the Commission.
2. As evidenced by Finding of Fact No. 3, USAF failed to prevent an unauthorized discharge of an industrial waste, in violation of 30 TEX. ADMIN. CODE § 335.4 and TEX. WATER CODE § 26.121(a)(1).
3. Pursuant to TEX. WATER CODE § 7.051, the Commission has the authority to assess an administrative penalty against USAF for violations of the Texas Water Code and the Texas Health and Safety Code within the Commission's jurisdiction; for violations of rules adopted under such statutes; or for violations of orders or permits issued under such statutes.
4. An administrative penalty in the amount of Four Thousand Five Hundred Dollars (\$4,500) is justified by the facts recited in this Agreed Order, and considered in light of the factors set forth in TEX. WATER CODE § 7.053. USAF has paid the Four Thousand Five Hundred Dollars (\$4,500) administrative penalty.

III. ORDERING PROVISIONS

NOW, THEREFORE, THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY ORDERS
that:

1. USAF is assessed an administrative penalty in the amount of Four Thousand Five Hundred Dollars (\$4,500), as set forth in Section II, Paragraph 4 above, for violations of TCEQ rules and state statutes. The imposition of this administrative penalty and USAF's compliance with all the terms and conditions set forth in this Agreed Order completely resolve the violations set forth by this Agreed Order in this action. However, the Commission shall not be constrained in any manner from requiring corrective actions or penalties for other violations that are not raised here. Administrative penalty payments shall be made payable to "TCEQ" and shall be sent with the notation "Re: United States Department of the Air Force, Docket No. 2005-0964-IHW-E" to:

United States Department of the Air Force
DOCKET NO. 2005-0964-IHW-E
Page 3

Financial Administration Division, Revenues Section
Attention: Cashier's Office, MC 214
Texas Commission on Environmental Quality
P.O. Box 13088
Austin, Texas 78711-3088

2. The provisions of this Agreed Order shall apply to and be binding upon USAF. USAF is ordered to give notice of this Agreed Order to personnel who maintain day-to-day control over the Facility operations referenced in this Agreed Order.
3. The Executive Director may refer this matter to the Office of the Attorney General of the State of Texas ("OAG") for further enforcement proceedings without notice to USAF if the Executive Director determines that USAF has not complied with one or more of the terms or conditions in this Agreed Order.
4. This Agreed Order shall terminate five years from its effective date or upon compliance with all the terms and conditions set forth in this Agreed Order, whichever is later.
5. This Agreed Order, issued by the Commission, shall not be admissible against USAF in a civil proceeding, unless the proceeding is brought by the OAG to: (1) enforce the terms of this Agreed Order; or (2) pursue violations of a statute within the Commission's jurisdiction, or of a rule adopted or an order or permit issued by the Commission under such a statute.
6. This agreement may be executed in multiple counterparts, which together shall constitute a single original instrument. Any executed signature page to this Agreement may be transmitted by facsimile transmission to the other parties, which shall constitute an original signature for all purposes.
7. The Chief Clerk shall provide a copy of this Agreed Order to each of the parties. By law, the effective date of this Agreed Order is the third day after the mailing date, as provided by 30 TEX. ADMIN. CODE § 70.10(b) and TEX. GOV'T CODE § 2001.142.

United States Department of the Air Force
DOCKET NO. 2005-0964-IHW-E
Page 4

SIGNATURE PAGE

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

For the Commission

For the Executive Director

Date

I, the undersigned, have read and understand the attached Agreed Order in the matter of United States Department of the Air Force. I am authorized to agree to the attached Agreed Order on behalf of United States Department of the Air Force, and do agree to the specified terms and conditions. I further acknowledge that the TCEQ, in accepting payment for the penalty amount, is materially relying on such representation.

I understand that by entering into this Agreed Order, United States Department of the Air Force waives certain procedural rights, including, but not limited to, the right to formal notice of violations addressed by this Agreed Order, notice of an evidentiary hearing, the right to an evidentiary hearing, and the right to appeal. I agree to the terms of the Agreed Order in lieu of an evidentiary hearing. This Agreed Order constitutes full and final adjudication by the Commission of the violations set forth in this Agreed Order.

I also understand that my failure to comply with the Ordering Provisions, if any, in this order and/or my failure to timely pay the penalty amount, may result in:

- A negative impact on my compliance history;
- Greater scrutiny of any permit applications submitted by me;
- Referral of this case to the Attorney General's Office for contempt, injunctive relief, additional penalties, and/or attorney fees, or to a collection agency;
- Increased penalties in any future enforcement actions against me;
- Automatic referral to the Attorney General's Office of any future enforcement actions against me; and
- TCEQ seeking other relief as authorized by law.

In addition, any falsification of any compliance documents may result in criminal prosecution.

Signature

Date

Name (printed or typed)
Authorized Representative
United States Department of the Air Force

Title

Instructions: Send the original, signed Agreed Order with penalty payment to the Financial Administration Division, Revenues Section at the address in Ordering Provision 1 of this Agreed Order.



Penalty Calculation Worksheet (PCW)

Policy Revision 2 (September 2002)

PCW Revision May 19, 2005

DATES	Assigned 26-Apr-2005	Screening 28-Apr-2005	EPA Due
	PCW 31-May-2005		

RESPONDENT/FACILITY INFORMATION	
Respondent	United States Department of the Air Force Kelly Air Force Base
Reg. Ent. Ref. No.	RN103915435
Facility/Site Region	13-San Antonio Major/Minor Source Minor Source

CASE INFORMATION			
Enf./Case ID No.	25390	No. of Violations	1
Docket No.	2005-0964-IHW-E	Order Type	Findings
Media Program(s)	Industrial and Hazardous Waste	Enf. Coordinator	Joseph Daley
Multi-Media		EC's Team	Enforcement Team 8
Admin. Penalty \$ Limit Minimum	\$0	Maximum	\$10,000

Penalty Calculation Section

TOTAL BASE PENALTY (Sum of violation base penalties)	Subtotal 1	\$5,000
---	-------------------	----------------

ADJUSTMENTS (+/-) TO SUBTOTAL 1

Subtotals 2-7 are obtained by multiplying the Total Base Penalty (Subtotal 1) by the indicated percentage.

Compliance History	0% Enhancement	Subtotals 2, 3, & 7	\$0
---------------------------	----------------	--------------------------------	------------

Notes No change due to average performer classification.

Culpability	No	0% Enhancement	Subtotal 4	\$0
--------------------	----	----------------	-------------------	------------

Notes The respondent does not meet the culpability criteria.

Good Faith Effort to Comply	10% Reduction	Subtotal 5	-\$500
------------------------------------	---------------	-------------------	---------------

	Before NOV	NOV to EDPRP/Settlement Offer
Extraordinary		
Ordinary		X
N/A		(mark with a small x)

Notes The respondent established new procedures on November 1, 2004 to correct and prevent new unauthorized discharges.

Economic Benefit	0% Enhancement*	Subtotal 6	\$0
-------------------------	-----------------	-------------------	------------

Total EB Amounts	\$500	<i>*Capped at the Total EB \$ Amount</i>
Approx. Cost of Compliance	\$500	

SUM OF SUBTOTALS 1-7	Final Subtotal	\$4,500
-----------------------------	-----------------------	----------------

OTHER FACTORS AS JUSTICE MAY REQUIRE	Adjustment	\$0
---	-------------------	------------

Reduces or enhances the Final Subtotal by the indicated percentage. (Enter number only; e.g. -30 for -30%.)

Notes

Final Penalty Amount	\$4,500
-----------------------------	----------------

STATUTORY LIMIT ADJUSTMENT	Final Assessed Penalty	\$4,500
-----------------------------------	-------------------------------	----------------

DEFERRAL	0% Reduction	Adjustment	\$0
-----------------	--------------	-------------------	------------

Reduces the Final Assessed Penalty by the indicated percentage. (Enter number only; e.g. 20 for 20% reduction.)

Notes No deferral for Findings Order.

PAYABLE PENALTY	\$4,500
------------------------	----------------

Screening Date 28-Apr-2005
 Respondent United States Department of the Air Force
 Case ID No. 25390
 Reg. Ent. Reference No. RN103915435
 Media [Statute] Industrial and Hazardous Waste
 Enf. Coordinator Joseph Daley

Kelly Air Force (ember 2002)
 PCW Revision May 19, 2005

Violation Number
 Primary Rule Cite(s) 30 Texas Admin. Code § 335.4
 Secondary Rule Cite(s) Texas Water Code § 26.121(a)(1)
 Violation Description Failure to prevent an unauthorized discharge of industrial waste into or adjacent to water in the State, as documented during an investigation conducted on October 23, 2004. Specifically a guar slurry mixture of approximately 20,000 gallons entered Leon Creek from a construction project around October 20-21, 2004 resulting in a fish kill.

Base Penalty

>> Environmental, Property and Human Health Matrix

Release	Harm			Percent
	Major	Moderate	Minor	
Actual	<input checked="" type="checkbox"/>			<input type="text" value="50%"/>
Potential				

>> Programmatic Matrix

Falsification	Major	Moderate	Minor	Percent
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text" value=""/>

Matrix Notes Human health or the environment has been exposed to pollutants which exceed levels that are protective of human health or environmental receptors as a result of the violation.

Adjustment

Base Penalty Subtotal

Violation Events

Number of Violation Events

mark only one use a small x

daily	<input type="checkbox"/>
monthly	<input type="checkbox"/>
quarterly	<input type="checkbox"/>
semiannual	<input type="checkbox"/>
annual	<input type="checkbox"/>
single event	<input checked="" type="checkbox"/>

Violation Base Penalty

One single event is recommended for the unauthorized discharge on October 20-21, 2004.

Economic Benefit (EB) for this violation Statutory Limit Test

Estimated EB Amount Violation Final Penalty Total

This violation Final Assessed Penalty (adjusted for limits)

Economic Benefit Worksheet

Respondent: United States Department of the Air Force Kelly Air Force Base
 Case ID No: 25390
 Reg. Ent. Reference No: RN103915435
 Media (Statute): Industrial and Hazardous Waste
 Violation No: 1

Percent Interest	Years of Depreciation
5.0	15

Item Description	Item Cost	Date Required	Final Date	Yrs	Interest Saved	Onetime Costs	EB Amount
------------------	-----------	---------------	------------	-----	----------------	---------------	-----------

Delayed Costs							
Equipment				0.0	\$0	\$0	\$0
Buildings				0.0	\$0	\$0	\$0
Other (as needed)				0.0	\$0	\$0	\$0
Engineering/construction				0.0	\$0	\$0	\$0
Land				0.0	\$0	n/a	\$0
Record Keeping System				0.0	\$0	n/a	\$0
Training/Sampling				0.0	\$0	n/a	\$0
Remediation/Disposal				0.0	\$0	n/a	\$0
Permit Costs				0.0	\$0	n/a	\$0
Other (as needed)				0.0	\$0	n/a	\$0
Notes for DELAYED costs							

Avoided Costs							
ANNUALIZE [1] avoided costs before entering item (except for one-time avoided costs)							
Disposal				0.0	\$0	\$0	\$0
Personnel				0.0	\$0	\$0	\$0
Inspection/Reporting/Sampling				0.0	\$0	\$0	\$0
Supplies/equipment				0.0	\$0	\$0	\$0
Financial Assurance [2]				0.0	\$0	\$0	\$0
ONE-TIME avoided costs [3]	\$500	21-Oct-2004	23-Oct-2004	0.0	\$0	\$500	\$500
Other (as needed)				0.0	\$0	\$0	\$0
Notes for AVOIDED costs The avoided cost includes the estimated amount required to prevent an unauthorized discharge, calculated from the date of violation to the date of investigation.							

Approx. Cost of Compliance **TOTAL**

Compliance History

Customer/Respondent/Owner-Operator:	CN600919401	US Department of the Air Force	Classification: AVERAGE	Rating: 1.680
Regulated Entity:	RN103915435	KELLY AIR FORCE BASE	Classification: AVERAGE BY DEFAULT	Site Rating: 3.01
ID Number(s):				
Location:	LOCATED SOUTH OF MILITARY DRIVE AND 100 FEET NORTH OF LEON CREEK AND 2640 FEET EAST OF THE INTERSECTION OF LEON CREEK AND MILITARY DRIVE.		Rating Date: 9/1/04 Repeat Violator: NO	
TCEQ Region:	REGION 13 - SAN ANTONIO			
Date Compliance History Prepared:	April 27, 2005			
Agency Decision Requiring Compliance History:	Enforcement			
Compliance Period:	April 27, 2000 to April 27, 2005			

TCEQ Staff Member to Contact for Additional Information Regarding this Compliance History

Name: Joseph Daley Phone: 239-3308

Site Compliance History Components

1. Has the site been in existence and/or operation for the full five year compliance period? No
2. Has there been a (known) change in ownership of the site during the compliance period? No
3. If Yes, who is the current owner? N/A
4. If Yes, who was/were the prior owner(s)? N/A
5. When did the change(s) in ownership occur? N/A
6. Comments: N/A

Components (Multimedia) for the Site :

- A. Final Enforcement Orders, court judgements, and consent decrees of the state of Texas and the federal government. N/A
- B. Any criminal convictions of the state of Texas and the federal government. N/A
- C. Chronic excessive emissions events. N/A
- D. The approval dates of investigations. (CCEDS Inv. Track. No.)
1 04/22/2005 (344319)
- E. Written notices of violations (NOV). (CCEDS Inv. Track. No.) N/A
- F. Environmental audits. N/A
- Description:
- G. Type of environmental management systems (EMSS). N/A
- H. Voluntary on-site compliance assessment dates. N/A
- I. Participation in a voluntary pollution reduction program. N/A
- J. Early compliance. N/A
- Sites Outside of Texas N/A

Kelly AFB cleanup contractor settles lawsuit alleging fraud

Web Posted: 04/28/2005 12:00 AM CDT

Guillermo Contreras
Express-News Staff Writer

One of the country's biggest government contractors has agreed to pay \$2.5 million to settle allegations that it padded claims for environmental cleanup at Kelly AFB before it closed.

In a news release Wednesday, U.S. Attorney Johnny Sutton announced the settlement with San Diego, Calif.-based Science Applications International Corp., also known as SAIC.

"This is a victory in the ongoing battle against alleged contractor fraud," Sutton said in the release. "Our office will continue to investigate complaints of fraud on the government and will aggressively work to recover illegal gains especially when taxpayer-funded Defense Department appropriations are so vital to our national security."

The settlement ends a lawsuit filed in January 2002 by Michael Dwight Woodlee, one of the company's former San Antonio project managers, who gets 20 percent of the settlement.

In his whistle-blower suit, which the Department of Justice later joined after investigating the claims, Woodlee alleged the company was cheating taxpayers in a "master contract" for environmental cleanup work before the closure of Kelly AFB in the late 1990s.

Woodlee alleged SAIC overestimated projected costs — economizing as the work was performed and then pocketing the difference.

Specifically, his suit alleged the company knowingly inflated cost estimates and pocketed profits of as much as 60 percent on some of the jobs it carried under the multiyear contract with the Air Force.

The suit also said managers were encouraged to list higher-paid employee categories in job descriptions, then use lower-paid employees to do the work.

"The basic allegation was that they did that, and that they concealed from the government, during negotiations of the contract, how much money they were going to make," Woodlee's lawyer, John Clark, said in an interview.

As part of the deal, SAIC admitted no wrongdoing but said it is pleased the case is resolved.

"The Air Force is an invaluable customer, and it was important that this matter be put behind us so that we can focus on the critical national defense work at hand," company spokesman Ronald Zollars said by e-mail. "At the same time, it is important for everyone to understand that this case turned on complex legal issues which were hotly contested."

The case had a wider impact because the Air Force issued a bulletin in December warning its contracting officers to demand full disclosure of pricing assumptions in future negotiations and to not allow costs associated with hypothetical risks.

At the time, the Air Force had contracts with SAIC worth \$513 million, and SAIC later pressed the Air Force to retract the warning.

For bringing allegations of false claims against the government to light, the federal False Claims Act allows whistle-blowers to recover 15 to 25 percent of the settlement or damages, Clark said.

In this case, Woodlee gets \$500,000, or 20 percent, Clark said.

"I'm always glad to see the United States recover in one of these cases where a whistle-blower has had the courage and the integrity to come forward and say, 'My company has been cheating the government, and I want them to stop,'" Clark said.

gcontreras@express-news.net

Defense contractors seeing boom in S.A.

Web Posted: 06/27/2005 12:00 AM CDT

L.A. Lorek
Express-News Business Writer

As the war rages in Iraq, the Pentagon increasingly has turned to private companies to do work once reserved for soldiers and pilots, producing a defense contracting boom locally to provide everything from oil and food to aircraft parts and weapons research.

The top 20 contractors in the San Antonio area received \$2.5 billion worth of contracts from defense-related agencies in 2003, double the 2002 amount and more than quadruple the \$650 million awarded in 2000, according to an Express-News study of federal contracts. The local defense contractors now contribute as much as the city's military bases' \$3 billion in economic activity.

That makes San Antonio the second-largest military contracting city in Texas behind Dallas-Fort Worth, which had \$12.7 billion worth of military contracting work in 2003, according to the Department of Defense. Houston came in third with \$2.06 billion.

Overall, Texas received the second-most military contracts in the country, with \$22.8 billion, behind California with \$28.6 billion.

In San Antonio, the military's shift to privatization has benefited both large and small companies. At KellyUSA on the city's South Side, Boeing largely has taken over the work the Air Force once did before the base shut down in 2001, a victim of the Defense Base Closure and Realignment Commission, known as BRAC.

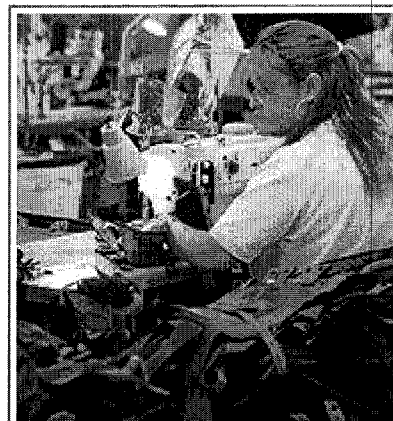
When Kelly closed, local officials worried about an economic meltdown, but instead they lured defense contractors here and created an economic boom.

That boom has not only benefited the aerospace industry and revitalized Kelly, but it has helped boost the bottom lines at corporate giants including SBC Communications, Valero Energy and Zachry Construction, which all have won defense work.

On the smaller end of the scale, in an old boot factory on South Zarzamora Street, Reyes Industries has seen its business boom. Its workers make canvass canteen covers, ammunition vests and aluminum cots for the military.

"As long as there is a foot soldier, we will always have business," said Fernando Reyes, president of the company that bears his name.

The war on terrorism has boosted the contracts the Pentagon awards to San Antonio's 900 military contractors up 50 percent from 2000, according to Express-News research.



J. Michael Short/Express-News

Brenda Carmona stitches components of the Tactical Load Bearing Vest at Reyes Industries on the South Side, where 300 workers also make canvass canteen covers and aluminum cots for the military.

Other local small-business contractors include Selrico, which runs cafeterias at military bases and in war zones, and Sterling Foods, which makes meals ready to eat, known as MREs, for soldiers in the battle zones.

By outsourcing work to contractors, the military saves money as it shifts the cost of worker benefits, training and retirement to private companies, said Pierre Chao, senior fellow specializing in the defense industry with the Center for Strategic and International Studies in Washington.

With contractors, the military also can scale its work force up or down easier, he said.

"The sheer economic and financial reality around the personnel costs involved with the military tells you that this trend is not going to go away," Chao said.

As "Military City USA," San Antonio naturally attracts defense contractors to the area, said David Spencer, head of MTC Technologies.

It also helps foster new entrepreneurs like Spencer, who left Kelly after the base closure announcement to found OnBoard Software, a military contractor that provides engineering services and software development to the Air Force. He sold his company earlier this year for \$34 million.

"Defense technology has been the hidden gem in San Antonio for years, and this BRAC reminded me of how important it is for our community and our economy," Spencer said.

To see the success of the defense industry locally, look no further than KellyUSA, which now has 13,000 employees and 60 tenants.

At Kelly, Boeing, with 1,650 employees and subcontractors, is the largest tenant, with a 20-year lease occupying the world's biggest open-bay hangar that can house up to 15 wide-body planes.

Boeing's workers do everything to the C-17 cargo and KC-135 tankers including stripping paint, bodywork and updating mechanical systems.

"Since we started 6 1/2 years ago, we've redelivered 1,100 airplanes back to the Air Force," said Dennis Stuart, general manager of Boeing's local operations.

Yet depending on the needs of the Air Force, Boeing's business does fluctuate.

The Air Force recently notified Boeing and other aerospace contractors that budget shortfalls might curtail the number of planes coming into San Antonio for repair this year and that could lead to layoffs. Boeing will know more next week, Stuart said.

"There's always an element of a cautionary tale that the defense business like the military is cyclical," Chao said.

Despite those fluctuations, San Antonio's aerospace industry continues to grow. As the military tries to keep aging aircraft in service longer, Boeing, Lockheed Martin, Standard Aero and Pratt & Whitney all have multimillion-dollar long-term contracts to work at KellyUSA.

The Defense Department awarded Lockheed and its partners a \$2.6 billion 15-year contract to run the Kelly Aviation Center with 1,200 employees and subcontractors that overhaul C-5, C-130 and P-3 airplanes.

Aside from the aerospace industry, San Antonio's top defense contractors also include Valero Energy Corp., Tesoro Refining and AGE Refining Co. None of them made the list four years ago, but the demands of war have also boosted the demand for oil.

Valero won more than \$314 million worth of contracts to supply jet fuel to the military from 1998 to 2004. Tesoro has received more than \$600 million and AGE Refining more than \$300 million during that time.

AGE Refining saw a spike in selling jet propulsion grade 8 fuel to military bases after the Afghanistan and Iraq conflicts, said Glen Gonzalez, the company's executive vice president.

"Even though we have a history of servicing the federal government for this jet fuel, it's nothing we take for granted," Gonzalez said. "We bid for the contracts ever year, and we've got to remain competitive."

Another of San Antonio's corporate giants, SBC Communications, won \$220 million worth of defense-related contracts from 1998 to 2003. SBC provides data communications and telecommunications services to the military, but an SBC spokesman declined to elaborate.

Zachry Construction Corp. has won four major State Department contracts since 2001 to build U.S. embassies in Russia, Cambodia, Nicaragua and China.

The Pentagon's move to privatization has led to \$222 million in new defense contracts at Labatt Food Service since 1998.

"It's a whole segment of the distribution market that wasn't open to private companies before 1996," said Blair Labatt, company president. "It's been a great success."

With just 50 employees, Kalmar RT Industries in Cibolo won \$175.6 million in defense contracts from 2000 to 2003. Kalmar subcontracts with a plant in Sweden to make the 118,500-pound rough-terrain container handlers, which resemble enormous forklifts painted army green or desert tan.

The military makes up more than 90 percent of Kalmar's business and they pay on time and are easy to work with, Kalmar President Stan Simpson said. So far, Kalmar has delivered 450 machines to the military at \$550,000 apiece and it has received 43 back from war zones to repair.

"We chose to do business in the San Antonio area because it's a great place for military contractors," Simpson said. "People understand what we do here."

llorek@express-news.net



Public Center for Environmental Health Linking Health and Environment

Fernando A Guerra, M.D., MPH
Director of Health

July 19, 2005

<http://www.sanantonio.gov/health/PCEH>



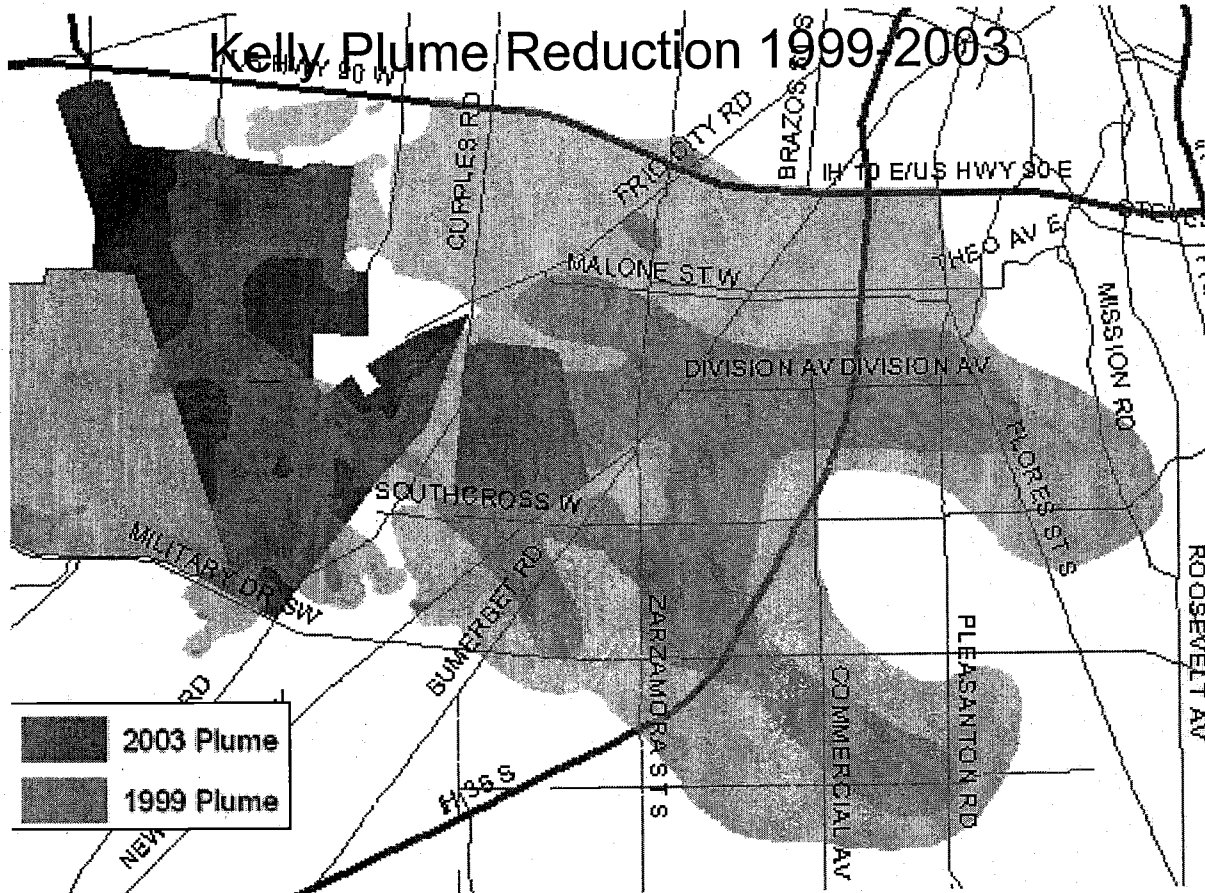
Public Center for Environmental Health

Established in 2001 through an agreement between Air Force and COSA

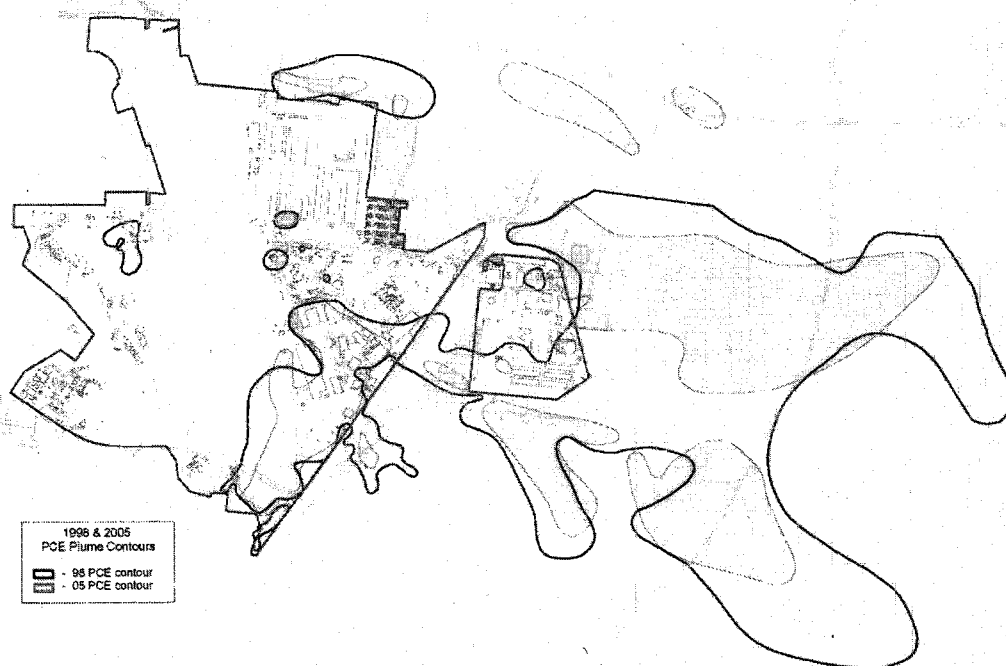
MISSION:

To conduct scientific evaluations directed toward health impacts from potential exposure to environmental contaminants due to release of hazardous substances from the former KAFB.

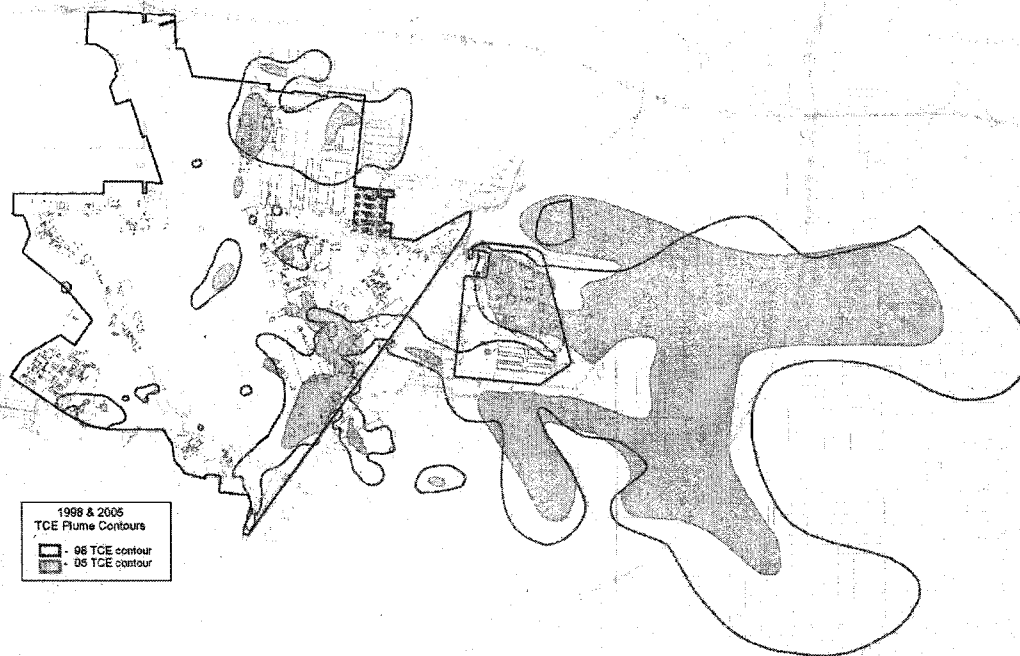




PCE Plume: 1998 and 2005



TCE Plume: 1998 and 2005



What is Public Health?

- Core competencies:
 - Assessment
 - Assurance
 - Policy development
- What it is not:
 - Individual diagnosis
 - Treatment

Essential Public Health Services

- Monitor health status; identify problems
- Investigate health hazards
- Inform, educate, and empower
- Mobilize community partnerships
- Develop policies and plans
- Enforce laws and regulations
- Link people to needed health care
- Provide competent public health workforce
- Evaluate health services
- Research new solutions to health problems

Community Interactions

- Presented projects to Restoration Advisory Board
- Presented projects to Technical Review Sub-Committee
- Updated PCEH web site with current projects and reports
- Conducted environmental assessments of homes
- Participated in Community Workshop Series

Community Interactions

- Hosted Scientific Symposium on Children's Health as Impacted by Environmental Contaminants in 2002
- Hosted Southwest San Antonio Community Workshop in June 2004
- Provided nursing workshops (2)
- Participating in environmental justice program (Project Regeneration)
- Environmental Advisory Group
- Statistics updated yearly in Healthy Profiles

Project Process

1. Project Form
2. Project Development
3. Proposal
 - Description
 - Justification
 - Proposed budget
4. Review and Approval
 - Health Dept
 - Air Force Real Property Agency (AFRPA)
5. Contract to Council
6. Execution of Project
7. Final Report

Contract Process

1. Formal RFQ/RFP
2. Select Contractor
3. Negotiate and Draft Contract
 - Director's office
 - Legal Dept
 - Risk Mgmt
 - Other required City Depts
4. City Council Review/Approval
5. Project Execution

PCEH Budget

Cooperative Agreement Total:	\$5,000,000
Spent Startup to Present Date:	<u>\$1,451,593</u>
Remaining Balance (ends 2011):	\$3,548,407

Environmental Health and Wellness Center

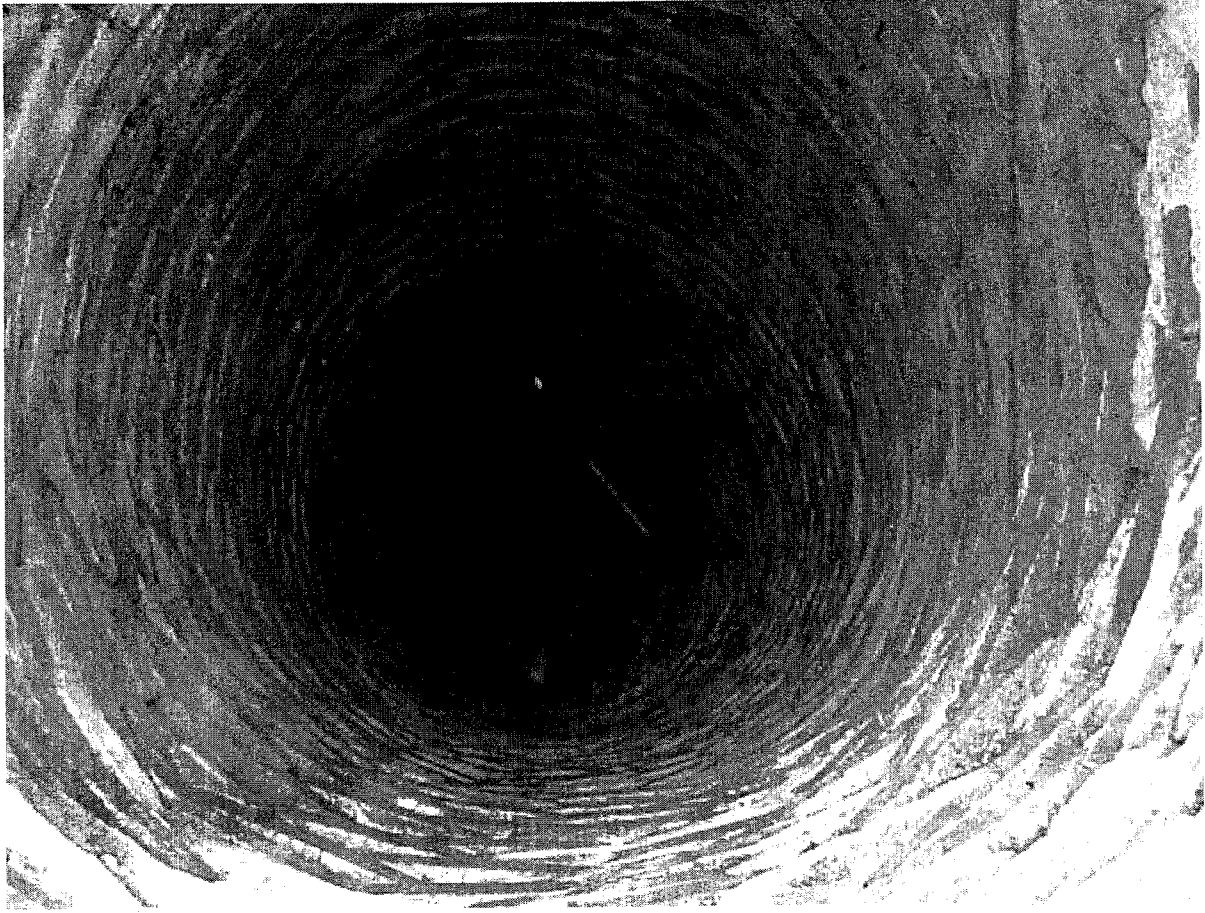
Budget

Total Grant Awarded to date:	\$1,187,280
Spent Startup to Present Date:	<u>\$ 939,627</u>
Balance:	\$ 247,653

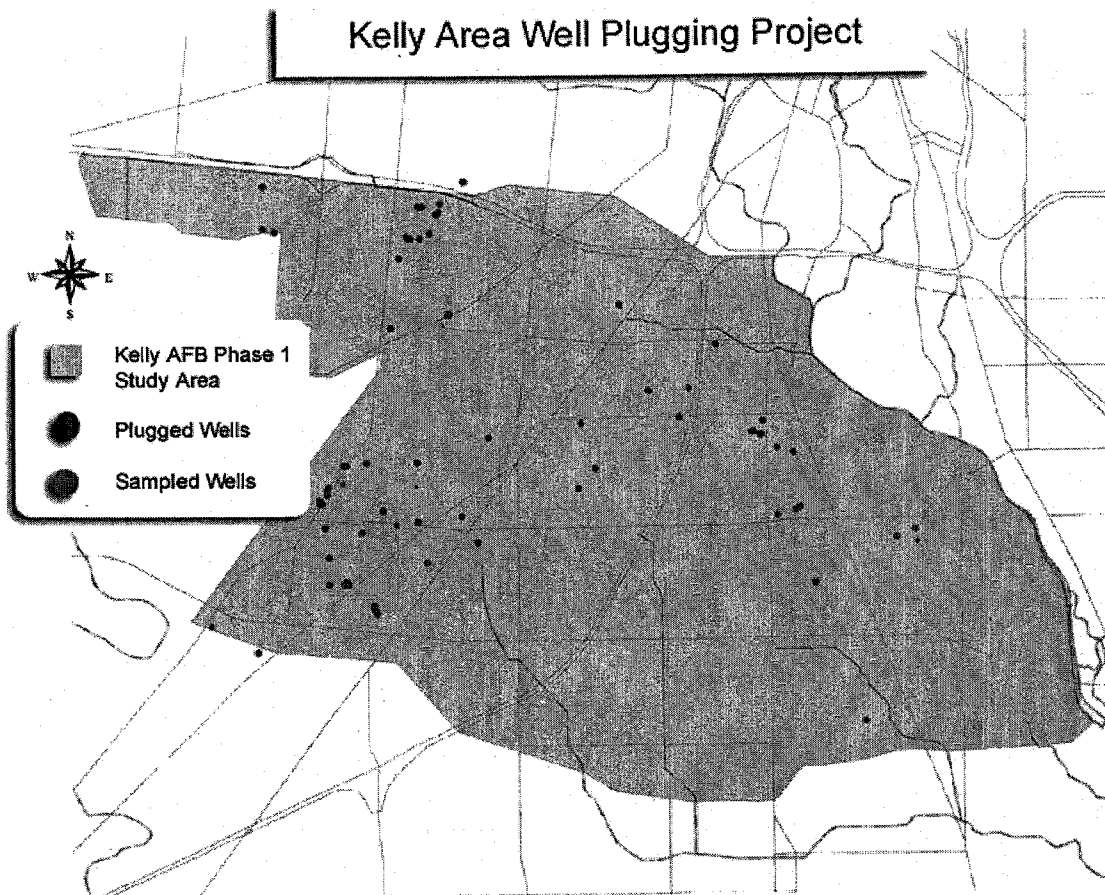
Abandoned Well Project

Plugged 75 abandoned wells within
the contaminated shallow
groundwater plume:

- Abandoned wells provide a direct channel for contaminants to pollute the aquifer
- Plugging wells prevents accidents and injury



Kelly Area Well Plugging Project



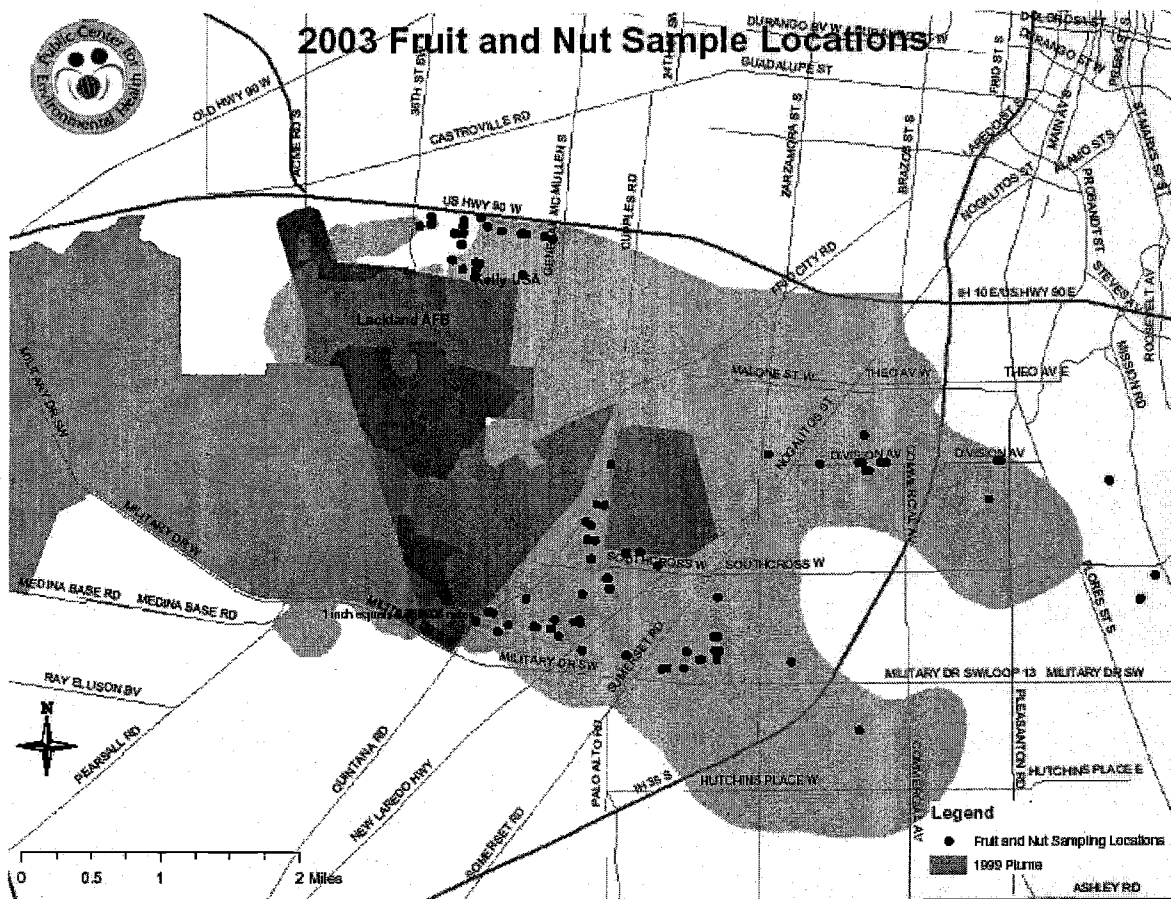
Fruit and Nut Sampling

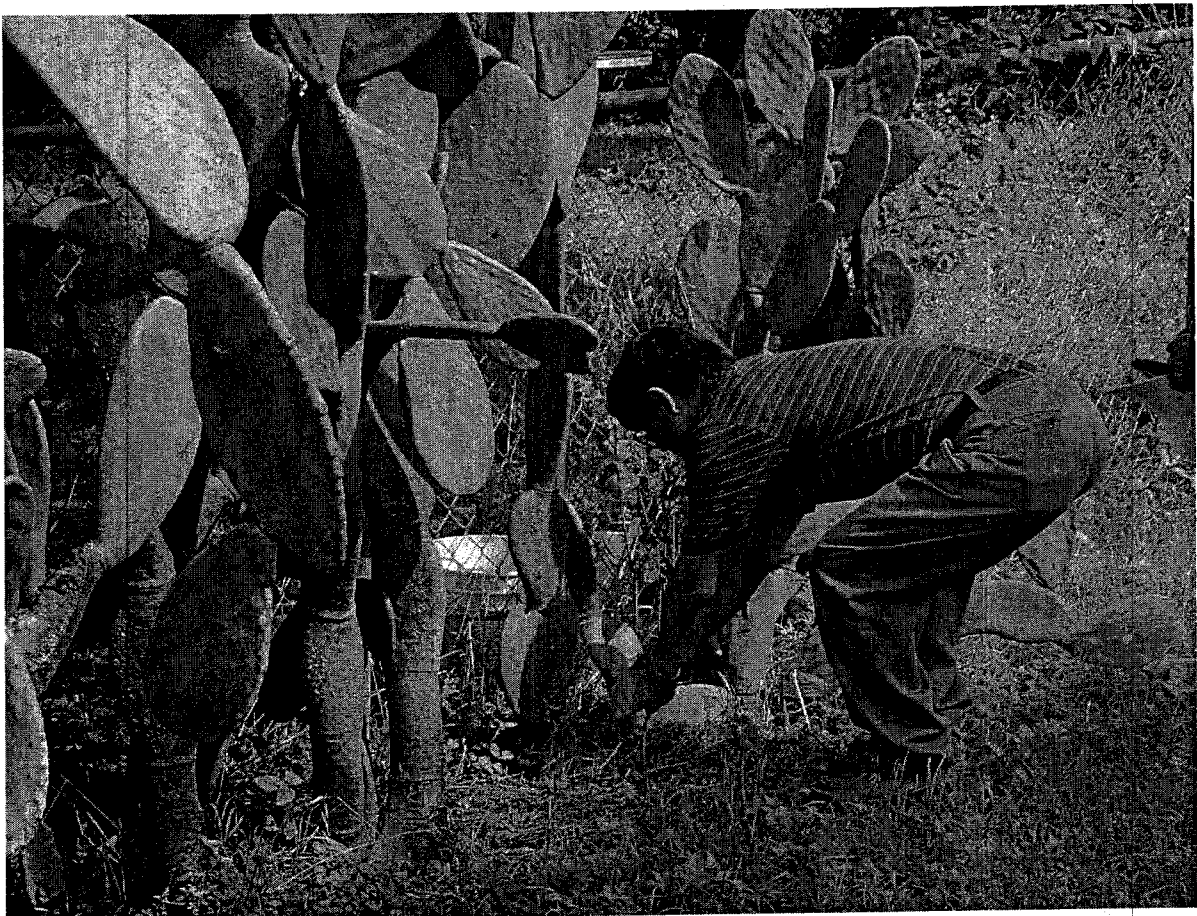
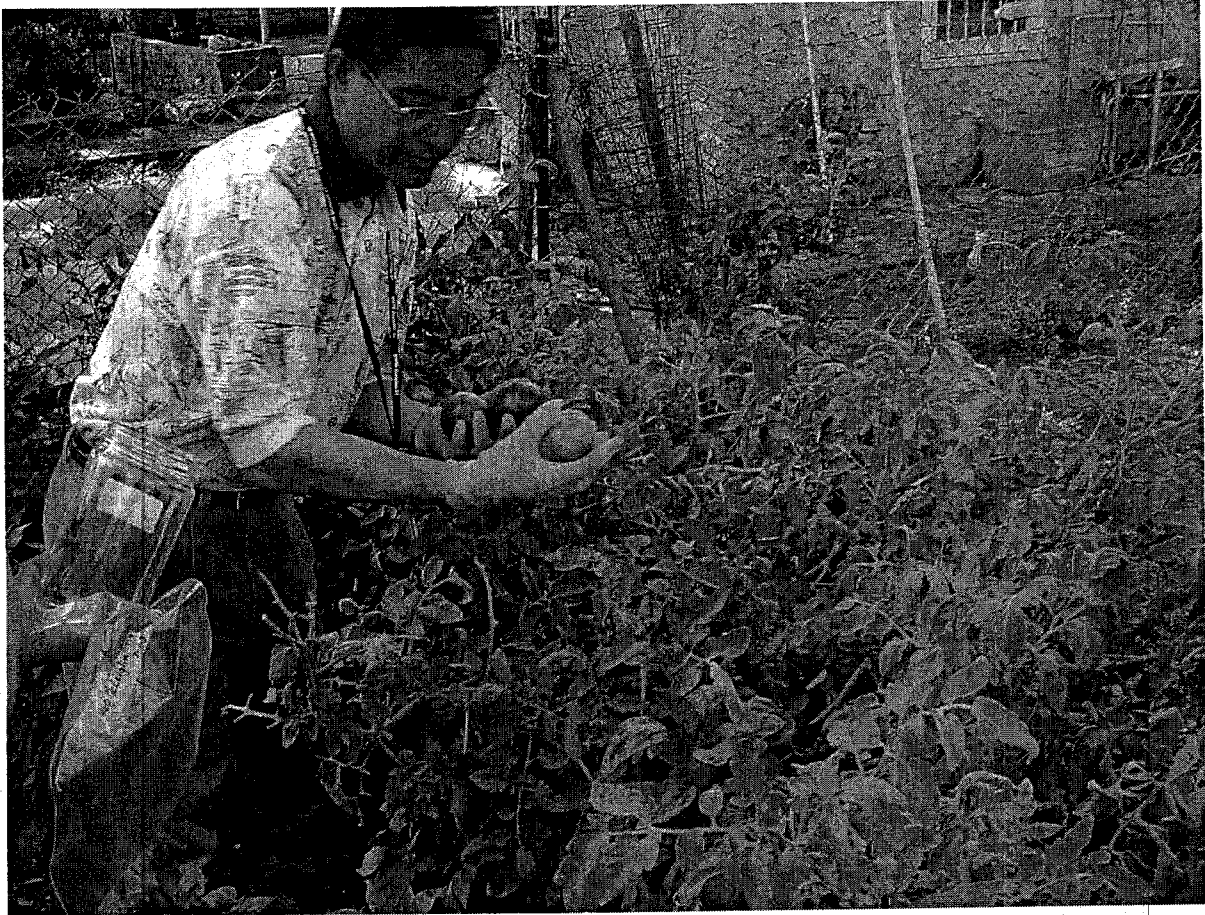
- PCEH collected samples of seasonal fruit, vegetables, and nuts around the Former Kelly AFB and analyzed for VOCs:

- | | |
|-------------|----------|
| •Tomatoes | •Cacti |
| •Oranges | •Pears |
| •Tangerines | •Bananas |
| •Lemons | •Pecans |
| •Limes | •Peppers |
| •Grapefruit | •Figs |
| •Peaches | |

Fruit and Nut Sampling...continued

- Phase I: Autumn 2001
 - 47 samples collected
 - Nothing above detection limit of 5ppb
- Phase II: January 2003-May 2004
 - 208 fruit, nut, and cactus samples collected
 - Results: chemicals of concern were not found





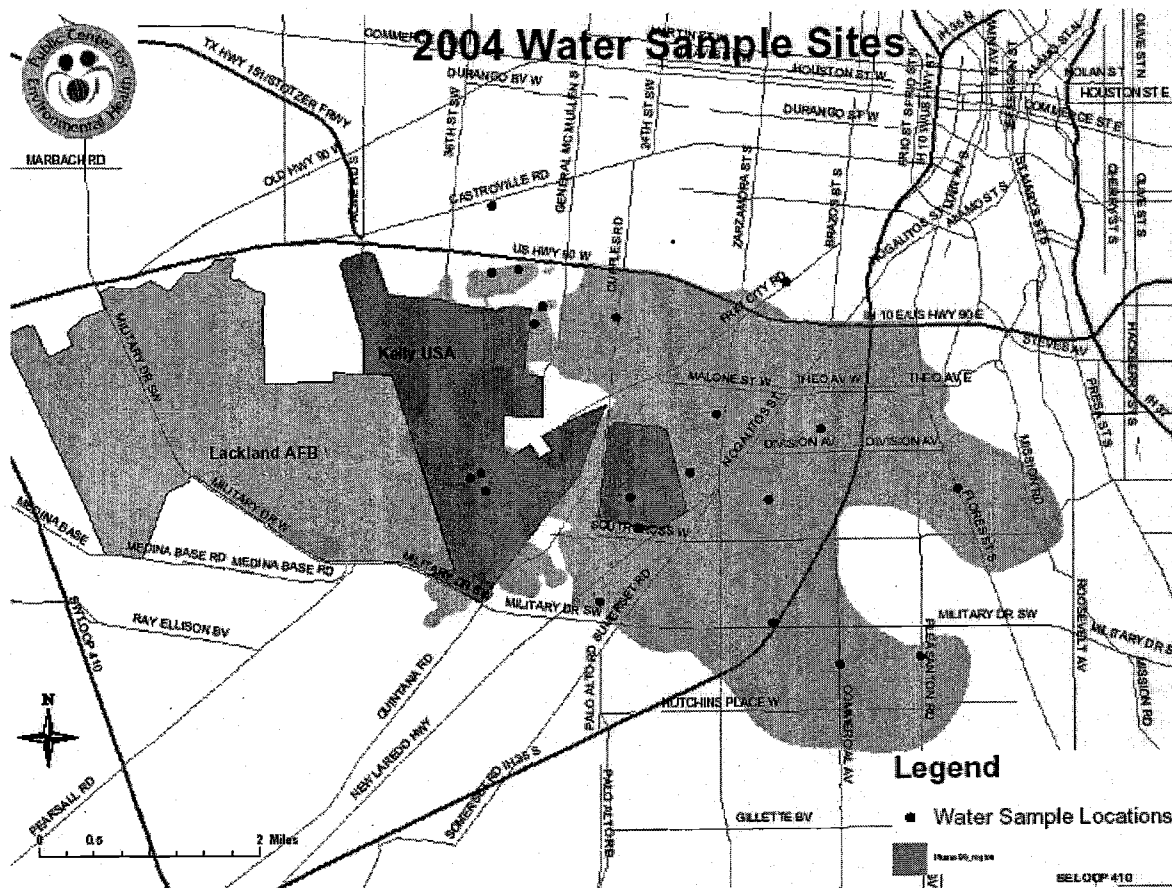
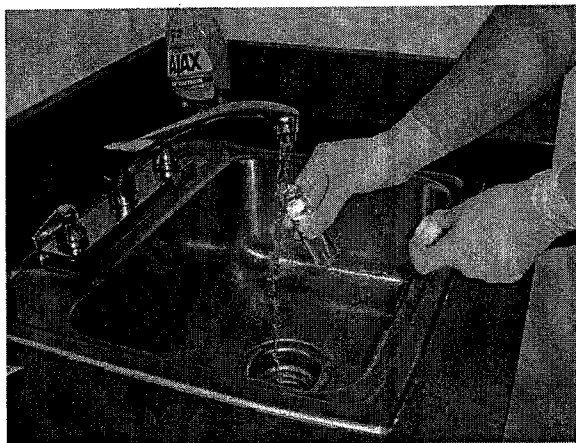
Water Testing

- 22 Samples collected from:
 - Schools
 - Senior centers
 - Residences
 - Day care centers
 - Food establishments
 - Industries at KellyUSA.

• Samples analyzed for VOCs

• Testing is ongoing

• Results: VOCs were not found



Leon Creek Water Quality Monitoring

Continuous water quality monitoring upstream and downstream from former Kelly AFB

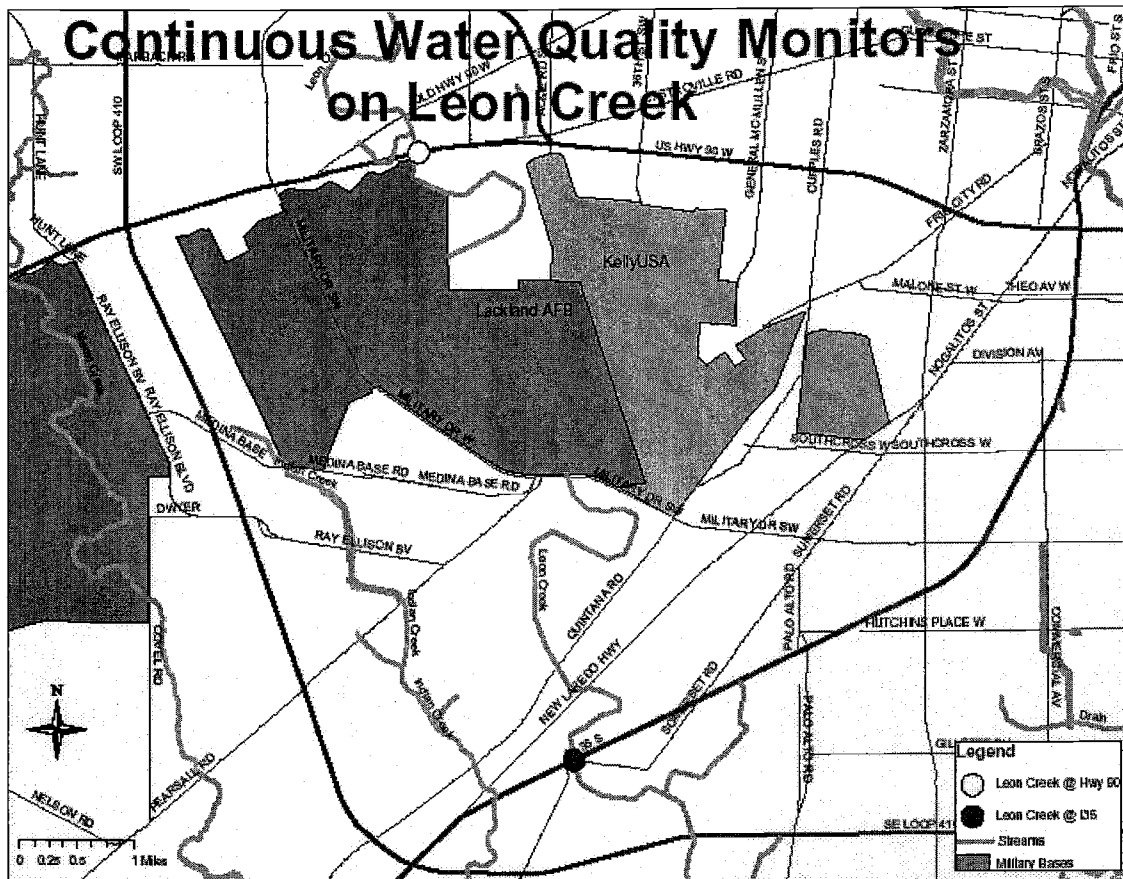
Partnership between:

- San Antonio River Authority (SARA)
- Texas Commission on Environmental Quality (TCEQ)
- Bexar Met Water District
- San Antonio Water System (SAWS)
- United States Geological Service (USGS)

http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/wqm/swqm_realtime_swf.html#data

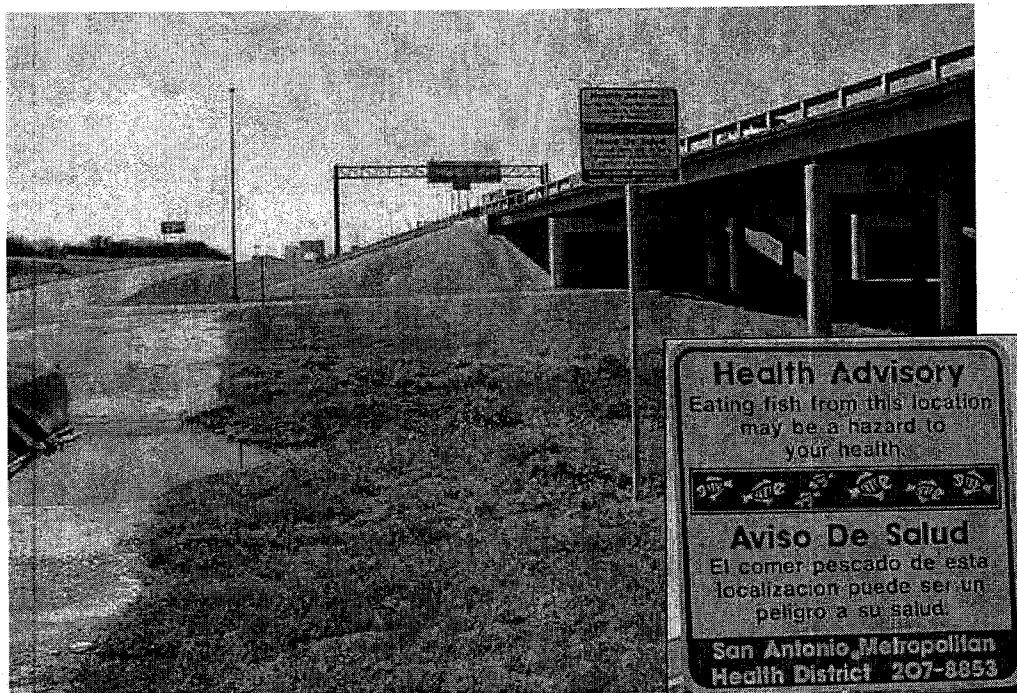
Leon Creek Water Quality Monitoring

- Determine baseline conditions
- Provide current data on Leon Creek water quality to the public.
- Address concerns brought forth by the community.
- Identify spills and floods
- Parameters measured
 - Temperature
 - Flow Rate
 - Conductance
 - Dissolved Oxygen
 - Water pH



Health Advisory Signs

Installed at Leon Creek due to elevated PCB levels in fish



Air Monitoring during PRB Construction

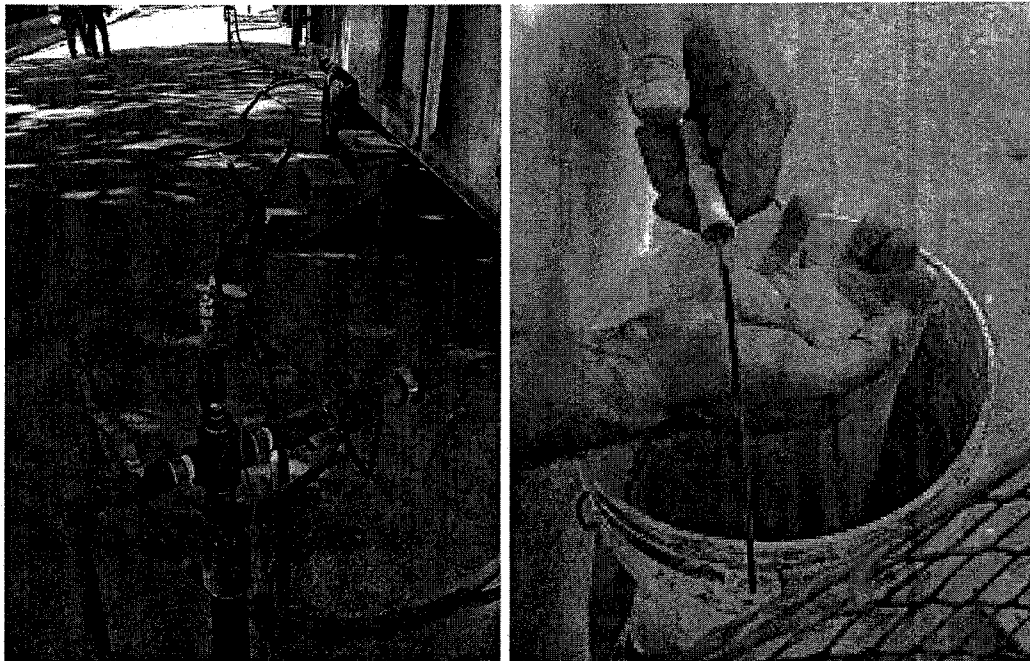
Monitoring for :

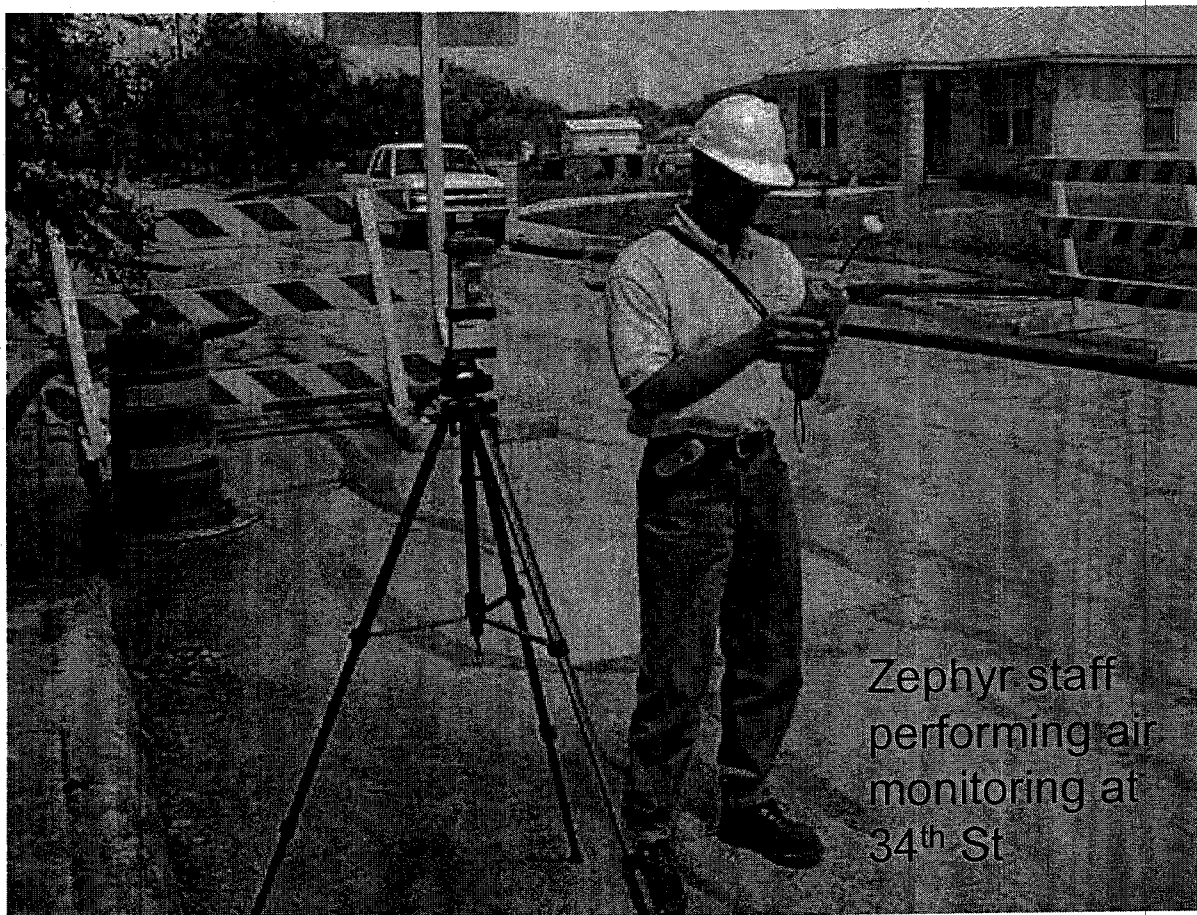
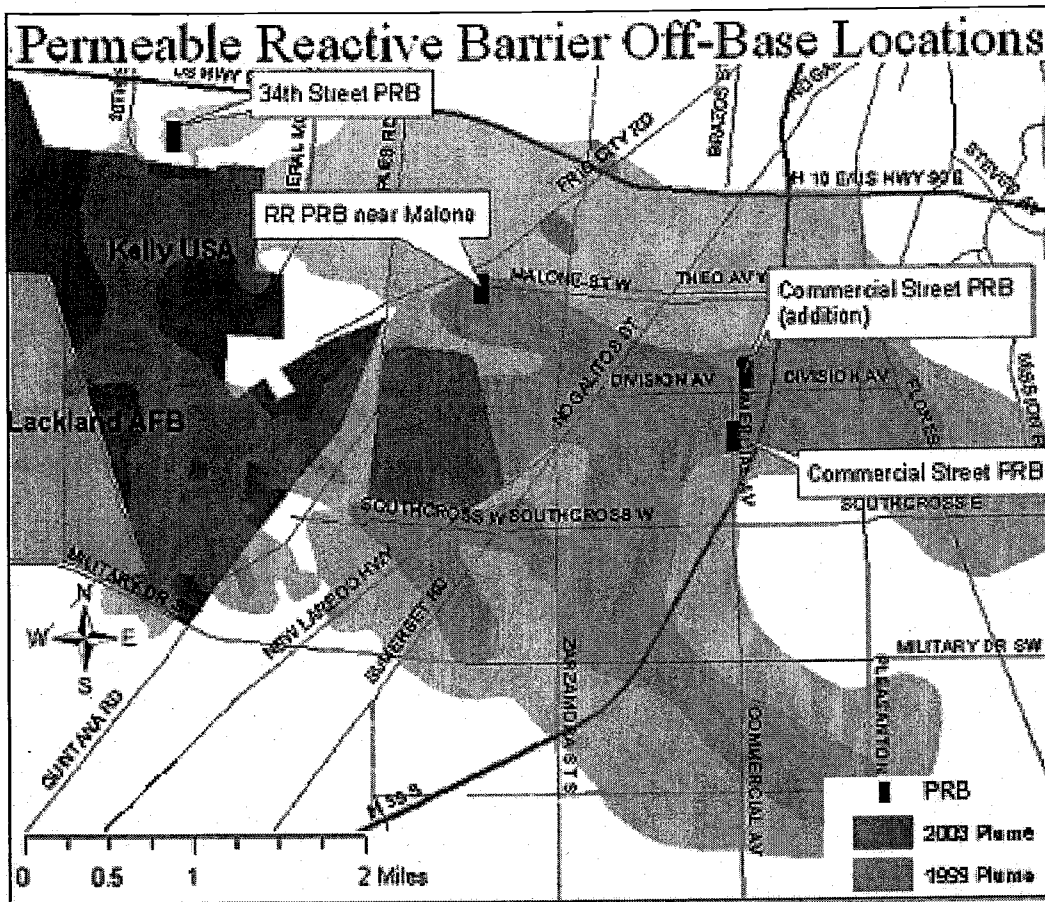
- Volatile Organic Compounds (VOCs)
– *From excavation into Kelly Plume*
- Particulate matter
– *Dust, Cement, Iron filings*
- Odors from guar, etc.
- Noise from heavy equipment

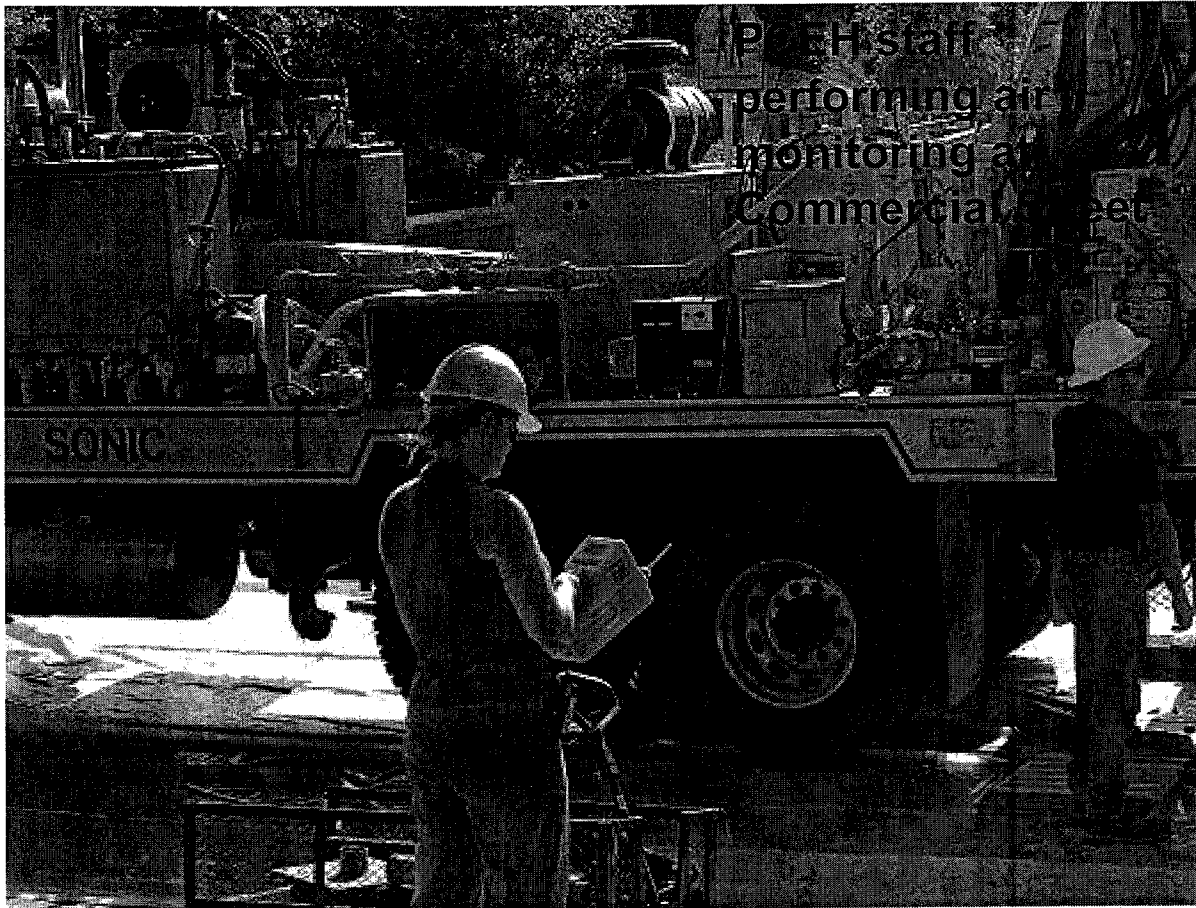
34th Street PRB: Trenching Method



Commercial Street PRB: Injection Method



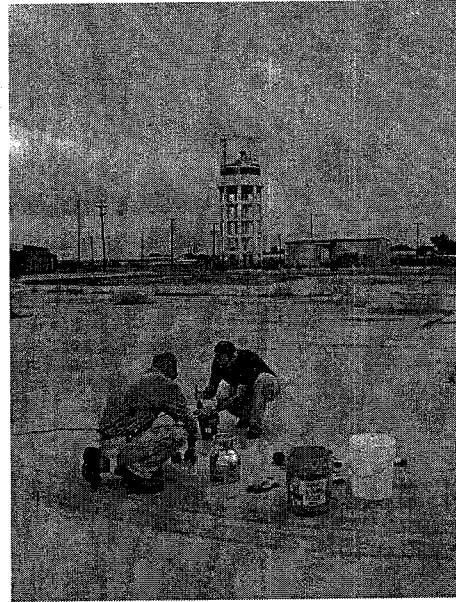




Sub-Slab Gas Sampling

- Performed by Zephyr Environmental consultants on behalf of PCEH
- Samples taken from:
 - 3 vacant buildings on East Kelly
 - Normoyle Community Center
- Contaminants of concern not found

Sub-Slab Sampling by Zephyr



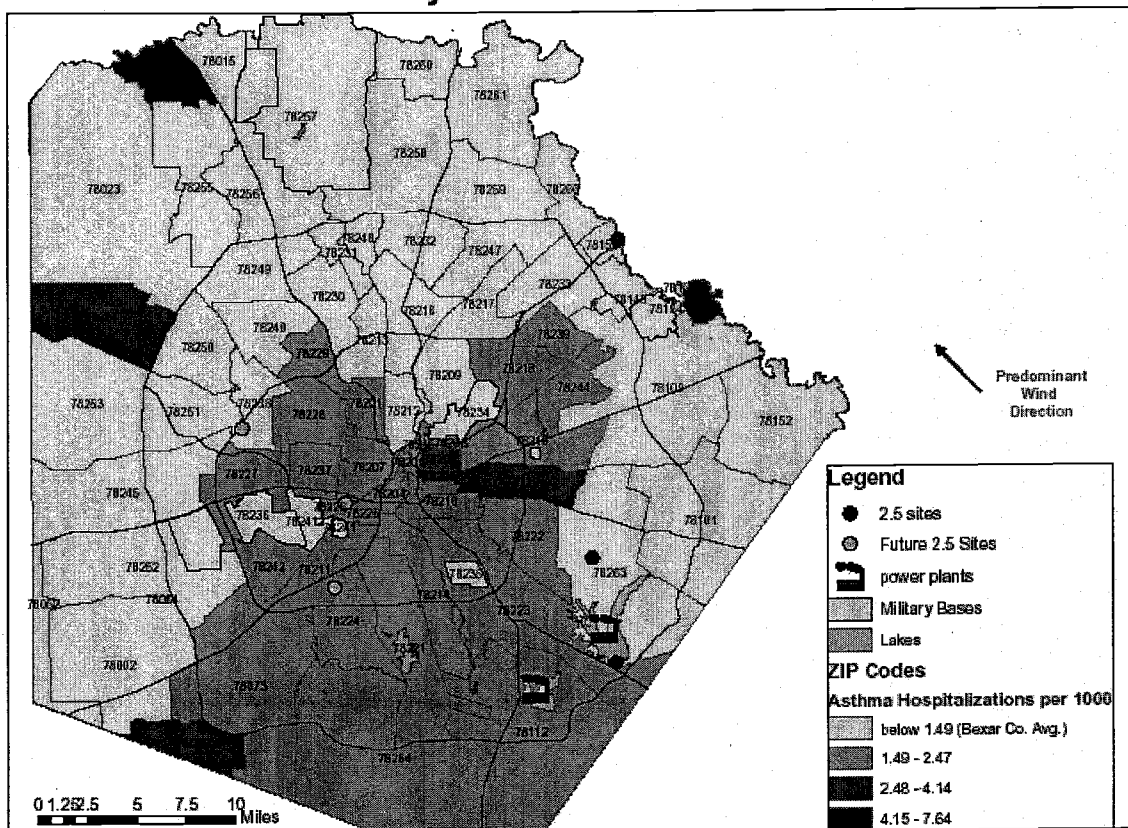
Sub-Slab Sampling by Zephyr



PM 2.5 Air Monitoring

- Partnership with TCEQ
- Air particles (pollution) less than or equal to 2.5 microns in diameter
- 2-3 monitors proposed for Southwest San Antonio (Kelly area)
- Citizens requested air monitoring in this area for several years due to elevated asthma rates and other concerns

Bexar County Asthma Rates and PM 2.5 Monitors





PCEH and EHWC

Health Studies and Partners

Texas Department of State Health Services

- Cancer incidence and mortality
- Birth defects and low birth weights
- No significant findings

Agency for Toxic Substance & Disease Registry

- Liver cancer
- Leukemia
- Both elevated in Southwest San Antonio

Environmental Health and Wellness Center



Environmental Health and Wellness Center

- Thus far, have completed 1,906 environmental health assessments
- Door-to-door environmental health surveys ongoing in the North Kelly Gardens, Quintana Road and the railroad PRB areas
- Found previously undiagnosed cases of hypertension/heart disease, diabetes, breast cancer, prostate cancer, and thyroid disorder
- Repository for completed studies and reports

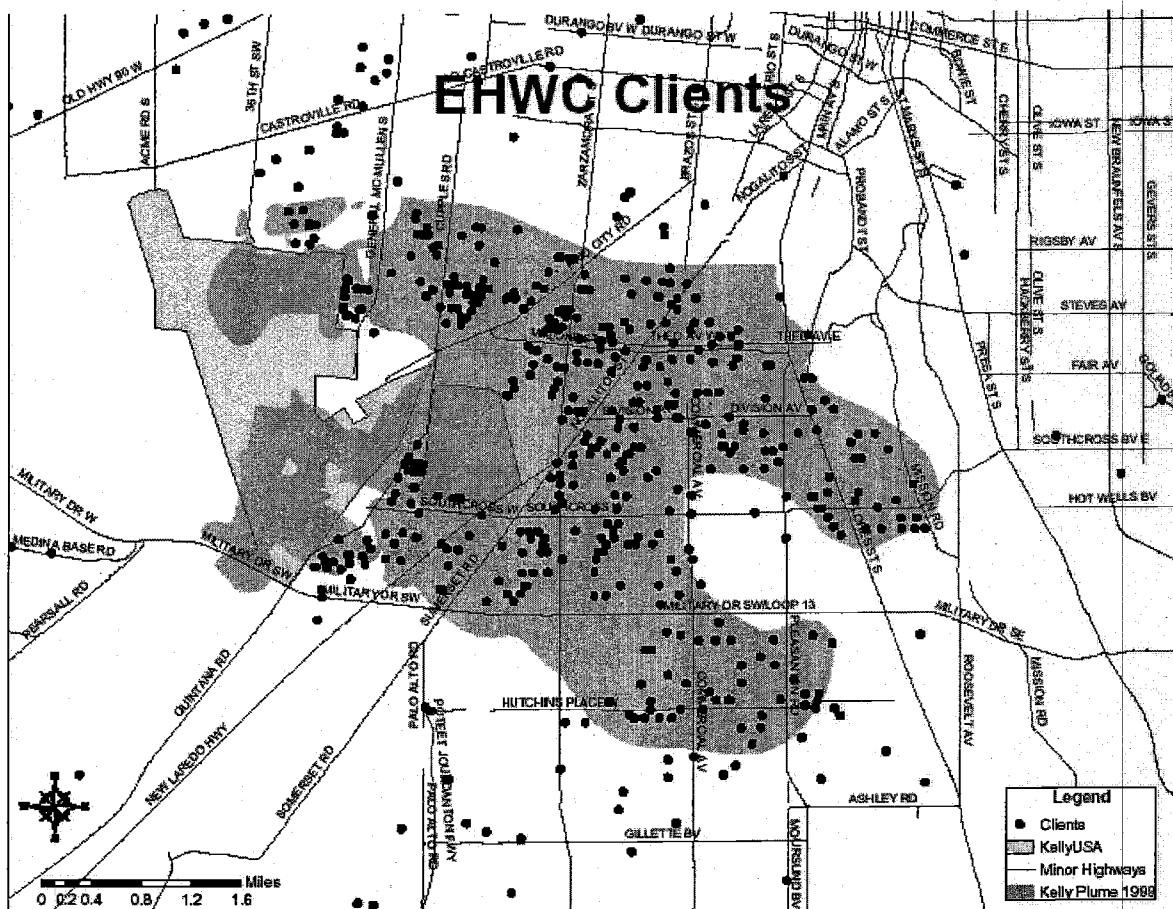
Environmental Health and Wellness Center

Lab work (cost ~\$200) provided

- | | |
|-----------------------|---------------------------------|
| •Complete blood count | •Lead |
| •Glucose | •Hepatitis C |
| •Cholesterol | •Prostate cancer |
| •Liver functions | •Blood pressure |
| •Kidney functions | •Peripheral vascular
disease |
| •Iron | •Urinalysis |
| •Thyroid | |

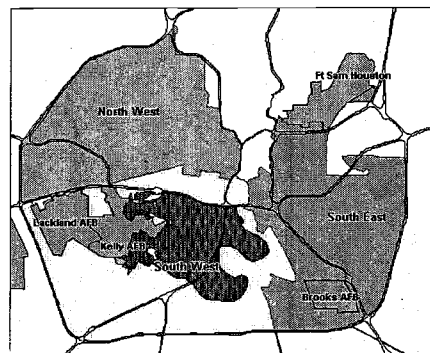
Environmental Health and Wellness Center (continued)

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- Awards were given for environmental research done by students at the Alamo Regional Science Fair





Analyses of Demographics, Births and Deaths Surrounding the Kelly Plume and Selected Comparisons Areas



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All Females	94,908	51%	95,426	51%	61,847	52%
White Non Hispanic	15,459	8%	19,732	11%	18,308	15%
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African American	2,059	1%	6,108	3%	21,154	18%
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2003 Maternal Indicators and Demographics for Selected Areas

2003 Maternal Indicators	South		North		South	
	West % of Total		West % of Total		East % of Total	
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Low birth Weight	354	9.3%	333	9.4%	224	10.2%
	Rate per 1K Births		Rate per 1K Births		Rate per 1K Births	
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*Adjusted to 2000 US Standard Million population



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Hours of Operation: M – F 7:45 – 4:30

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Air Force Real Property Agency

Integrity - Service - Excellence

Groundwater Treatment Plant Briefing



U.S. AIR FORCE





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Project Overview

Major Components of O&M:

- ***Scheduled O&M***
 - plan preparation, regulatory requirements, site work, system sampling requirements, data management analysis, document assessment
- ***Unscheduled O&M***
 - major system upgrades, major controls upgrades, unscheduled maintenance/spill response, digging permit investigation
- ***Building and Grounds Maintenance***
 - provides for critical facilities and infrastructure within base boundaries
- ***Remedial Process Optimization (RPO)***
 - Type A RPO and FY03 RPO recommendations implementation



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Scheduled O&M

Scheduled O&M provides support for planned events occurring in remedial systems and GWTPs in Zones 2-5 including routine testing, materials, and system upgrades.

Scheduled O&M includes:

- Plan Preparation
- Regulatory requirements
- Site Work
- System sampling requirements
- Data management
- Data analysis
- Document assessment



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Scheduled O&M: Field Investigation

Compliance plan requires inspections (daily, weekly, monthly, semiannual, & annual)

	Required Inspections				
	Leaks	Efficiency	Accuracy	Safety	Proper Functioning
Wastewater & chemical pumps	X	X			
Piping	X				
Flow meters			X		
Valves				X	X
Computers & controls					X
Lift stations		X			
Recovery well vaults	X				X



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Scheduled O&M: Required Sampling

REGULATORY SAMPLING REQUIREMENTS

Sampling Type	# Samples/Year
<i>Quarterly In-Situ Respiration Tests (ISRTs)</i> <i>Sites S-8 & E-3</i>	8
<i>Monthly TPDES sampling</i> <i>Outfalls 01, 03, & 04</i>	36
<i>Annual Soil sampling</i> <i>Require where GWTP-treated water is used for irrigation</i> <ul style="list-style-type: none"> • Zone 2: area from Building 618/633 to Lackland AFB golf course • Zone 5: area from S-1 GWTP to adjacent sampling area 	4
Total Yearly Samples	48



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Scheduled O&M: System Sampling

	Maximum Number of Samples	Sampling Types
Monthly System Composite Sampling	16 per month	VOCs, SVOCs, metals
Semiannual Recovery Well Sampling	77 twice yearly	VOCs, SVOCs, PCBs, metals, pesticides, COD, BOD, TDS, TSS, pH, hardness, oil, grease
Quarterly Individual Unit Process Efficiency Evaluation Sampling	23 per quarter	VOCs, SVOCs, PCBs, metals, pesticides, COD, BOD, TDS, TSS, pH, hardness, oil, grease
Monthly Total System Efficiency Sampling	30 per month (15 influent + 15 effluent)	VOCs, SVOCs, PCBs, metals, pesticides, COD, BOD, TDS, TSS, pH, hardness, oil, grease
Sludge Sampling	varies	Toxicity Characteristics Leaching Procedure required for all sludge removed from GWTP processes
= 800 SAMPLES TAKEN EACH YEAR		



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Scheduled O&M: Site Work

SITE	REQUIRED WORK
<p><i>Building 545</i> <i>Building 616</i> <i>Building 617</i> } <i>total 28,524 ft²</i></p>	<ul style="list-style-type: none"> • operation and facility process maintenance
<p><i>GWTPs in Zones 2, 4, & 5</i></p>	<ul style="list-style-type: none"> • daily routine operations • monitor equipment • repair/replace parts • verify functioning of field communication systems • coordinate with site technicians in the event of shut-downs
<p><i>Zones 2, 3, & 5</i></p>	<ul style="list-style-type: none"> • groundwater treatment • source containment • soil treatment procedures
<p><i>Zone 4</i></p>	<ul style="list-style-type: none"> • groundwater treatment • source containment



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Scheduled O&M: Zones 2-5

Zone 2 GWTP: 250 - 1000 gpm
 Zone 4 GWTP: 200 - 450 gpm
 Zone 5 GWTP: 10 - 50 gpm

Total: 460 – 1500 gpm → **242 – 789 million gallons of groundwater are treated each year**

Unit Operations	Oil/Water Separators (OWS)	3
	UV/OX Skid	4
	GAC	3
	Manganese Greensand	1
	Multimedia	2
Collection Systems	Recovery Wells (RW)	56
	Horizontal wells	5 (5 in South Bank; 5 in East Bank have been turned off)
	Recovery trenches	3
	Lift stations	6
	Slurry Walls	2
In Situ Systems	Venting wells (VW)	113
	Permeable Reactive Barriers (PRB)	7
	BV/SVE systems	6

**> 211 ITEMS
REQUIRE SCHEDULED MAINTENANCE**



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Scheduled O&M: Replacement Parts

- ***UV bulbs: \$2,495 each (51 bulbs/yr)***
- ***H₂O₂: \$4.50/gallon (11,365 gal/yr)***
- ***Liquid-carbon exchange for GAC unit (10,000 lbs carbon/exchange)***
- ***Electronic/radio devices for remote monitoring of GWTPs***
- ***Other major parts:***
 - ***Instrumentation, pumps, motors, valves, fittings, pipe, vaults***
- ***Air-phase carbon exchange for S-1 SVE units (6,000 lbs./exchange) (annual exchange)***



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Scheduled O&M: Data Reporting

Data Management	<ul style="list-style-type: none"> • Review and evaluate field documentation, sample collection technique, data reporting, instrument calibrations, and quality control data.
Data Analysis	<ul style="list-style-type: none"> • Evaluate data usability • Reduction, tabulation, evaluation of data • Provide recommendations for RPO • Maintain documentation: <ul style="list-style-type: none"> • Monthly Status Report • Annual In-Situ Respiration Test Reports • Annual Performance Evaluation Report
Document Assessment	<ul style="list-style-type: none"> • O&M Manuals updates • Reviews for compatibility and avoidance of previous problems: <ul style="list-style-type: none"> • Design reviews • New O&M Manual reviews



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Unscheduled O&M

Unscheduled O&M provides support for unplanned events occurring in remedial systems and GWTPs in Zones 2-5. To a certain extent, these activities are foreseeable.

Unscheduled O&M includes:

- Major system upgrades
- Major controls upgrades
- Unscheduled maintenance/spill response
- Digging Permit Investigation

Note: This is a regional project with funding expected primarily to serve activities at Kelly AFB. Operations at other Division C bases will be prioritized according to spill response, property transfer, and site closure requirements.

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Unscheduled O&M: Major System Upgrades

Major system upgrades are performed to optimize equipment efficiency, flow capacity, and contaminant removal.

SYSTEM UPGRADES
<i>Pressure test system trunk lines</i>
<i>Chemically clean system lines</i>
<i>Optimize RWs; compute and assess well capacity</i>
<i>Evaluate & report well capacity loss</i>
<i>Install, modify, or remove RW/MW and treatment equipment</i>
<i>Inject & monitor bioremediation catalyst</i>
<i>Provide sampling & analysis to assist with treatment evaluations</i>



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Unscheduled O&M: Major Controls Upgrades

- ***Controls upgrades will be applied to all remedial systems and GWTPs as necessary. These upgrades include:***
 - ***Control modifications for addition or deletion of system processes***
 - ***Controls upgrades for additional flow meters and panel changes***
 - ***Upgrade of Human Machine Interface (HMI) to enable real-time data reporting***



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Unscheduled O&M: Spill Response

SPILL CAUSES:

- ***Pipe or valve breaks***
- ***Treatment equipment failures***
- ***Pump or motor malfunctions***
- ***Mechanical, electrical, control problems associated with equipment failure***

SPILL RESPONSE REQUIREMENTS:

<i>Notification</i>
<i>Documentation</i>
<i>Containment</i>
<i>Sampling & Analysis</i>
<i>Repair</i>



Building & Grounds Maintenance

U.S. AIR FORCE

Building Grounds and Maintenance provides for critical facilities and infrastructure within base boundaries.

TOTAL GROUNDS: 26.5 acres

TOTAL BUILDING SQUARE FOOTAGE: 55,041 ft²

Building 545	25,824 ft²	Soil storage area
Building 616	300 ft²	Decontamination pad
Building 617	2,400 ft²	Chemical storage facility
Building 618	5,225 ft²	GWTP equipment housing, operations office & containment
Building 621	4,874 ft²	On-site office for AFRPA management, O&M project staff
Building 633	3,500 ft²	GWTP carbon polishing building
Building 631	338 ft²	GWTP central electrical power facility & backup generator
Building 639	5,580 ft²	Equipment storage facility & high-pressure air generation station
Building 3837	3,500 ft²	Zone 4 GWTP equipment housing
Building 1584	3,500 ft²	Zone 5 GWTP equipment housing



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RPO

Remedial Process Optimization (RPO):

- **Type A RPO:** Provides oversight of remedial action-operations (RA-Os) and long-term monitoring (LTM) to ensure cleanup goals, monitor effectiveness and maintain cost efficiency
- **FY03 Kelly RPO recommendations implementation (Type B RPO):** Implementation of 16 of 83 recommendations prepared by P&PR team in 2003



Public Center for Environmental Health Linking Health and Environment

Fernando A Guerra, M.D., MPH
Director of Health

July 19, 2005

<http://www.sanantonio.gov/health/PCEH>

METRO HEALTH
SAN ANTONIO'S PUBLIC HEALTH TEAM

Public Center for Environmental Health

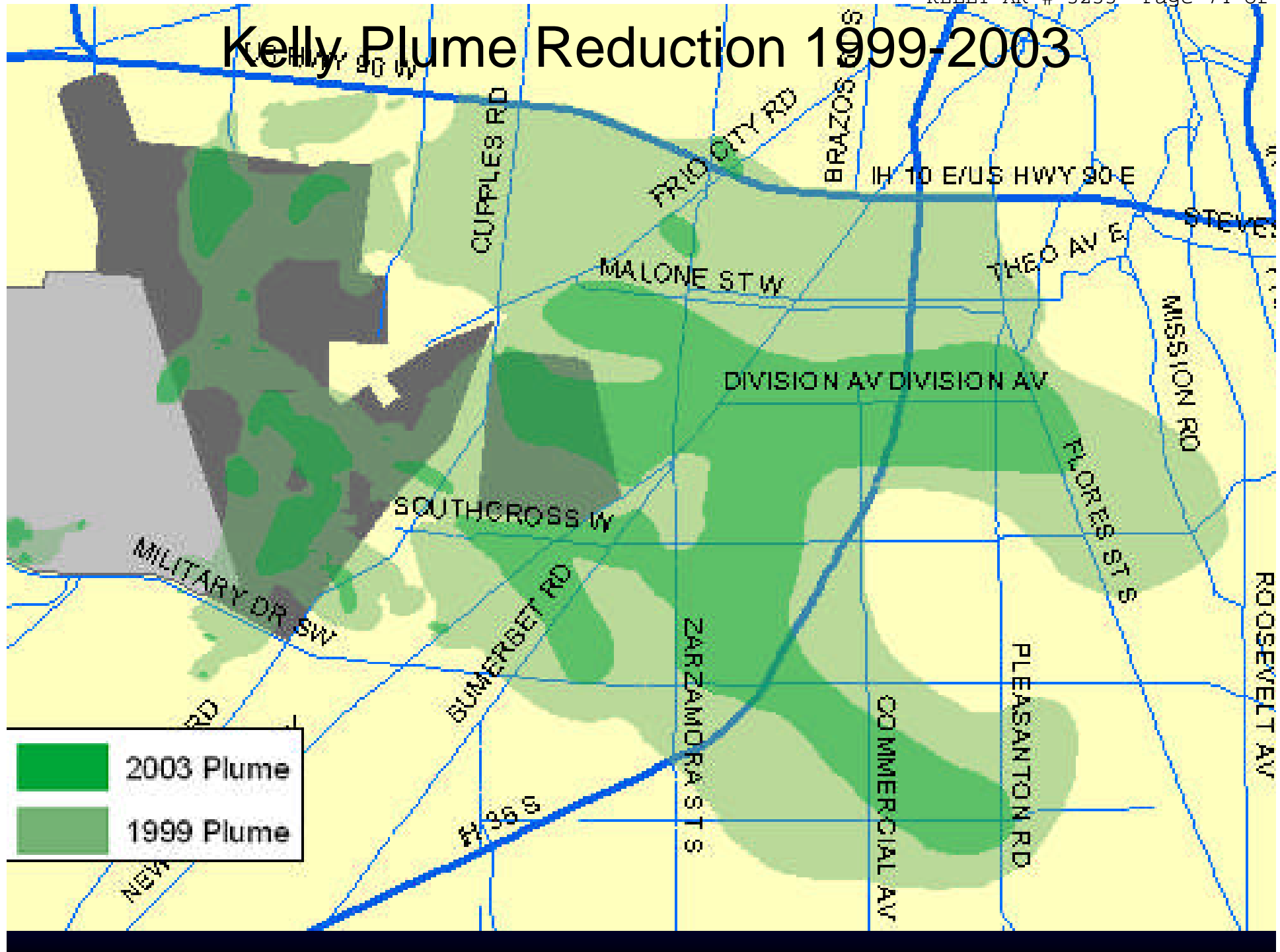
Established in 2001 through an agreement between Air Force and COSA

MISSION:

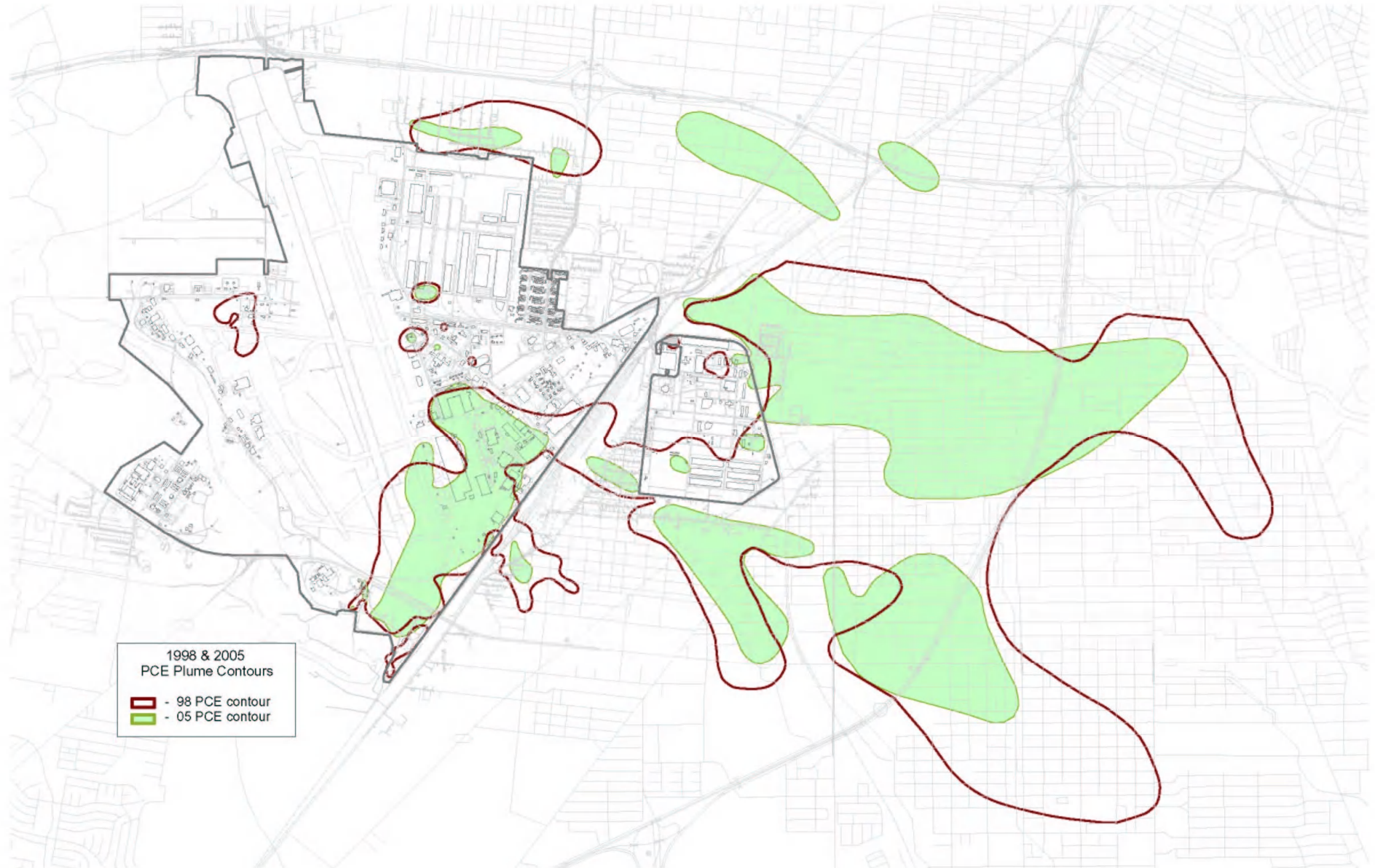
To conduct scientific evaluations directed toward health impacts from potential exposure to environmental contaminants due to release of hazardous substances from the former KAFB.



Kelly Plume Reduction 1999-2003



PCE Plume: 1998 and 2005



TCE Plume: 1998 and 2005



What is Public Health?

- Core competencies:
 - Assessment
 - Assurance
 - Policy development
- What it is not:
 - Individual diagnosis
 - Treatment

Essential Public Health Services

- Monitor health status; identify problems
- Investigate health hazards
- Inform, educate, and empower
- Mobilize community partnerships
- Develop policies and plans
- Enforce laws and regulations
- Link people to needed health care
- Provide competent public health workforce
- Evaluate health services
- Research new solutions to health problems

Community Interactions

- Presented projects to Restoration Advisory Board
- Presented projects to Technical Review Sub-Committee
- Updated PCEH web site with current projects and reports
- Conducted environmental assessments of homes
- Participated in Community Workshop Series

Community Interactions

- Hosted Scientific Symposium on Children's Health as Impacted by Environmental Contaminants in 2002
- Hosted Southwest San Antonio Community Workshop in June 2004
- Provided nursing workshops (2)
- Participating in environmental justice program (Project Regeneration)
- Environmental Advisory Group
- Statistics updated yearly in Healthy Profiles

Project Process

1. Project Form
2. Project Development
3. Proposal
 - Description
 - Justification
 - Proposed budget
4. Review and Approval
 - Health Dept
 - Air Force Real Property Agency (AFRPA)
5. Contract to Council
6. Execution of Project
7. Final Report

Contract Process

1. Formal RFQ/RFP
2. Select Contractor
3. Negotiate and Draft Contract
 - Director's office
 - Legal Dept
 - Risk Mgmt
 - Other required City Depts
4. City Council Review/Approval
5. Project Execution

PCEH Budget

Cooperative Agreement Total: \$5,000,000

Spent Startup to Present Date: \$1,451,593

Remaining Balance (ends 2011): \$3,548,407

Environmental Health and Wellness Center

Budget

Total Grant Awarded to date: \$1,187,280

Spent Startup to Present Date: \$ 939,627

Balance: \$ 247,653

Abandoned Well Project

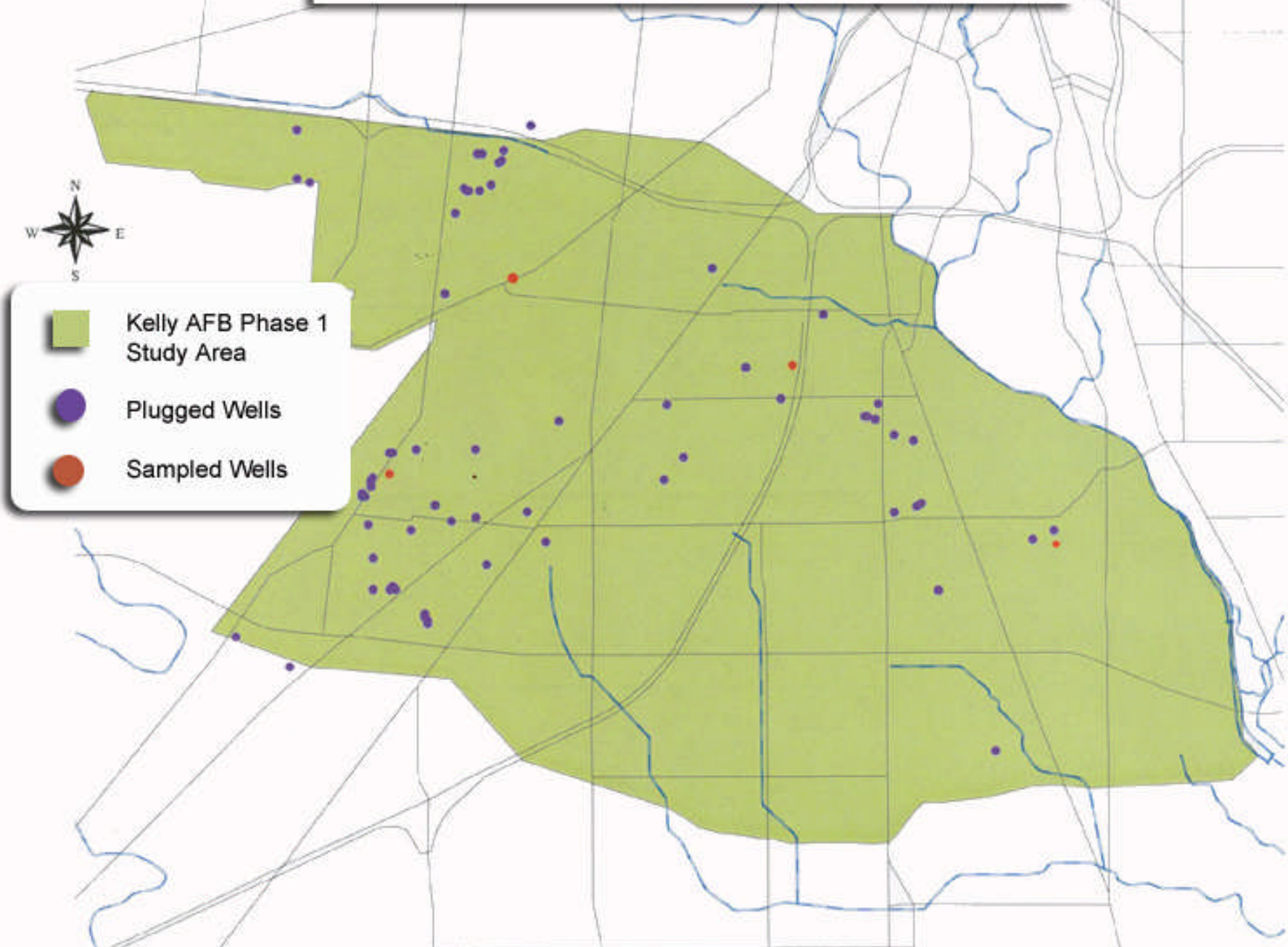
Plugged 75 abandoned wells within the contaminated shallow groundwater plume:

- Abandoned wells provide a direct channel for contaminants to pollute the aquifer
- Plugging wells prevents accidents and injury





Kelly Area Well Plugging Project



Fruit and Nut Sampling

- PCEH collected samples of seasonal fruit, vegetables, and nuts around the Former Kelly AFB and analyzed for VOCs:

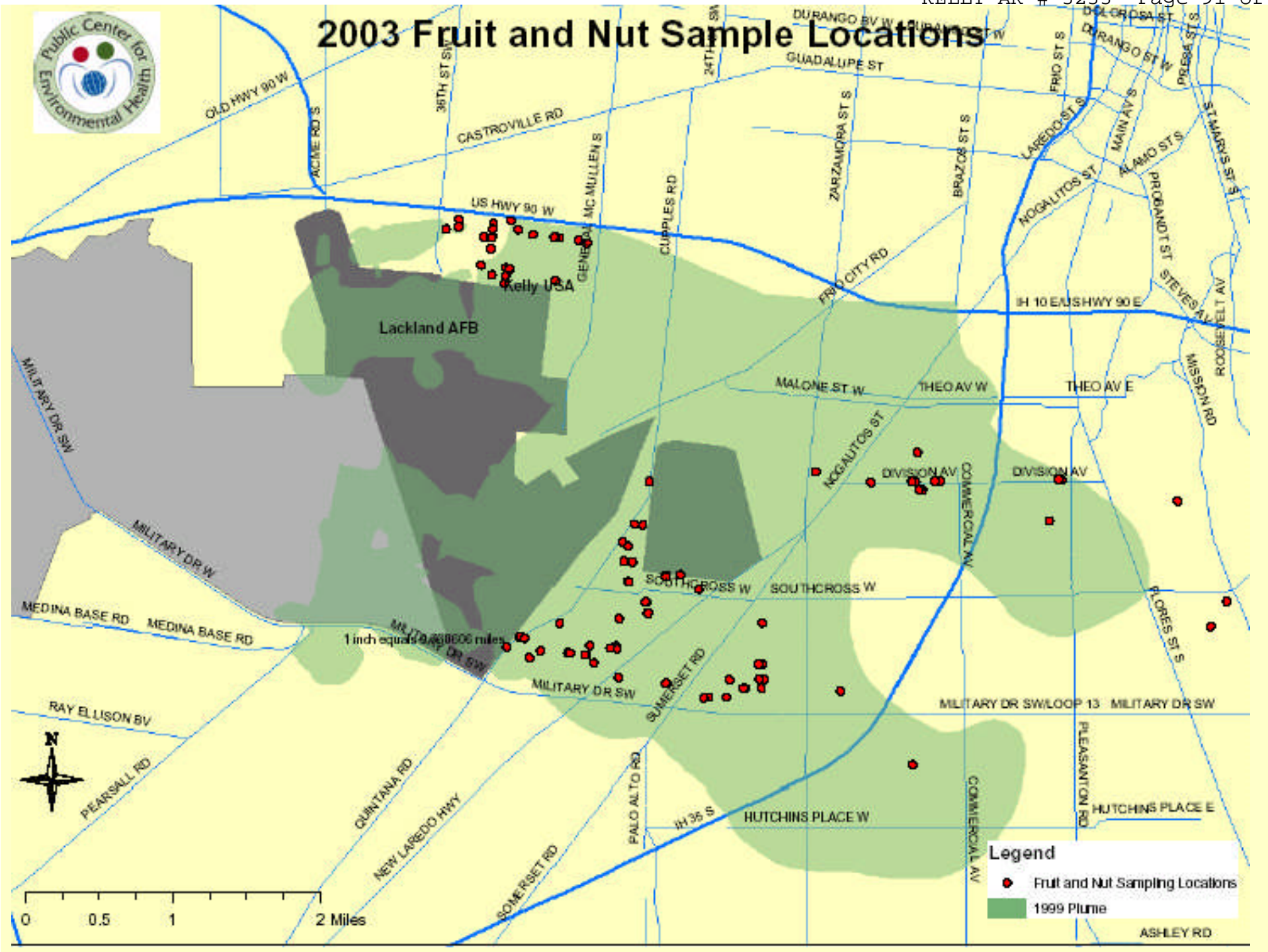
- Tomatoes
- Oranges
- Tangerines
- Lemons
- Limes
- Grapefruit
- Peaches
- Cacti
- Pears
- Bananas
- Pecans
- Peppers
- Figs

Fruit and Nut Sampling...continued

- Phase I: Autumn 2001
 - 47 samples collected
 - Nothing above detection limit of 5ppb
- Phase II: January 2003-May 2004
 - 208 fruit, nut, and cactus samples collected
 - **Results: chemicals of concern were not found**



2003 Fruit and Nut Sample Locations







Water Testing

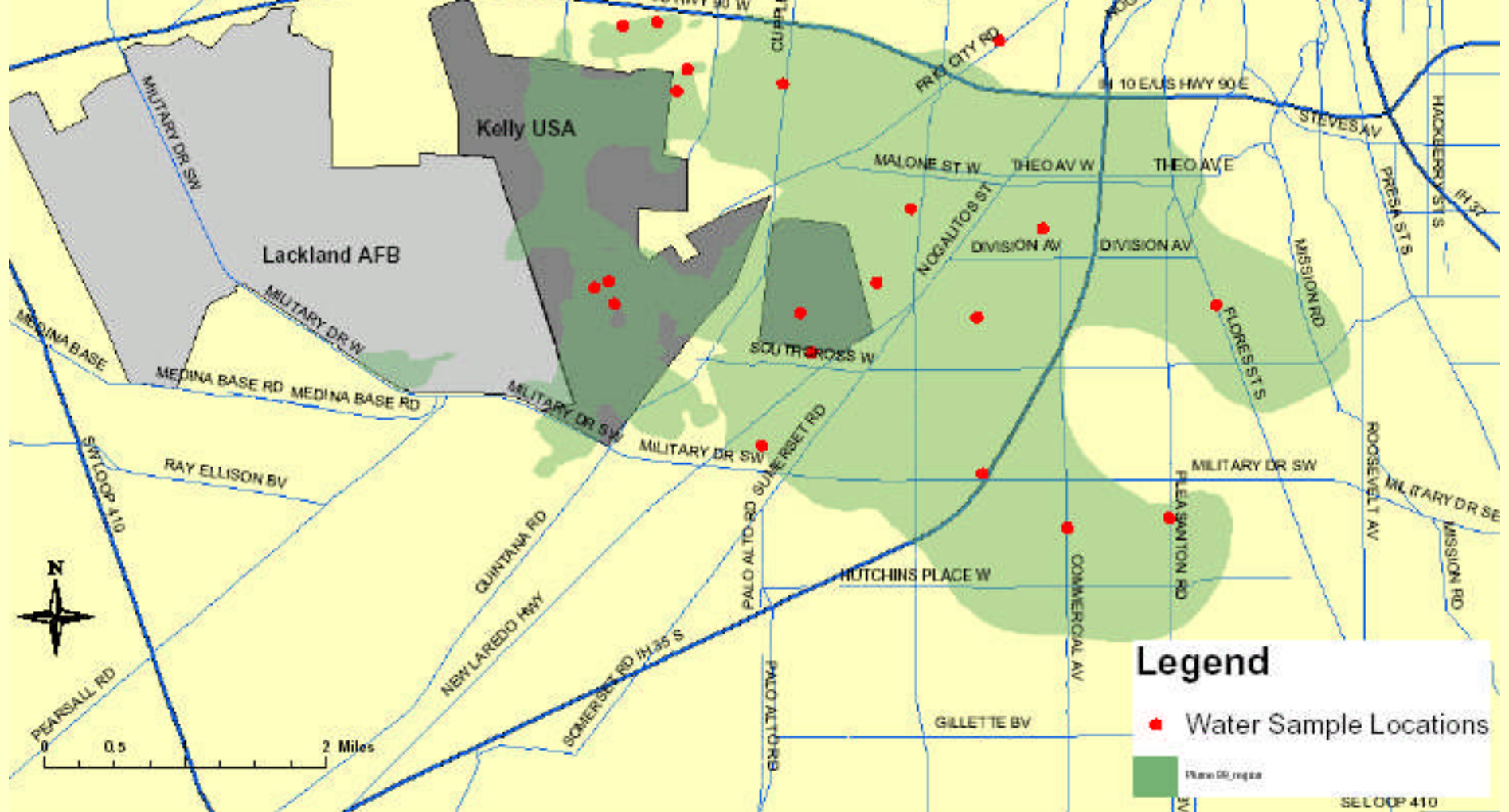
- 22 Samples collected from:
 - Schools
 - Senior centers
 - Residences
 - Day care centers
 - Food establishments
 - Industries at KellyUSA.
- Samples analyzed for VOCs
- Testing is ongoing
- Results: VOCs were not found





2004 Water Sample Sites

MARBACH RD



Legend

- Water Sample Locations
- Plume (G) region

SELOOP 410

Leon Creek Water Quality Monitoring

Continuous water quality monitoring upstream and downstream from former Kelly AFB

Partnership between:

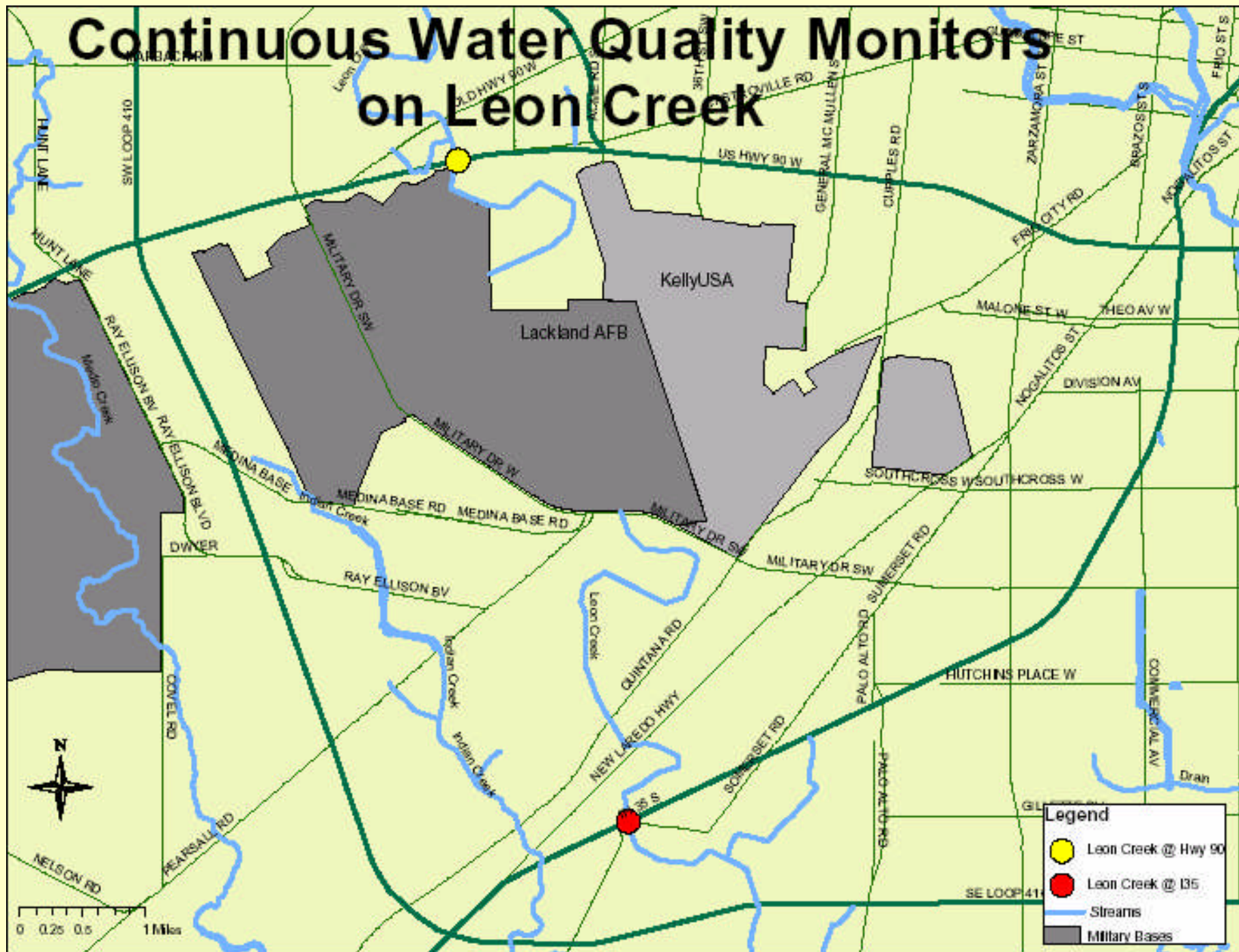
- **San Antonio River Authority (SARA)**
- **Texas Commission on Environmental Quality (TCEQ)**
- **Bexar Met Water District**
- **San Antonio Water System (SAWS)**
- **United States Geological Service (USGS)**

http://www.tceq.state.tx.us/compliance/monitoring/water/quality/data/wqm/swqm_realtime_swf.html#data

Leon Creek Water Quality Monitoring

- Determine baseline conditions
- Provide current data on Leon Creek water quality to the public.
- Address concerns brought forth by the community.
- Identify spills and floods
- Parameters measured
 - Temperature
 - Conductance
 - Water pH
 - Flow Rate
 - Dissolved Oxygen

Continuous Water Quality Monitors on Leon Creek





Health Advisory Signs

Installed at Leon Creek due to elevated PCB levels in fish



Air Monitoring during PRB Construction

Monitoring for :

- Volatile Organic Compounds (VOCs)
 - *From excavation into Kelly Plume*
- Particulate matter
 - *Dust, Cement, Iron filings*
- Odors from guar, etc.
- Noise from heavy equipment

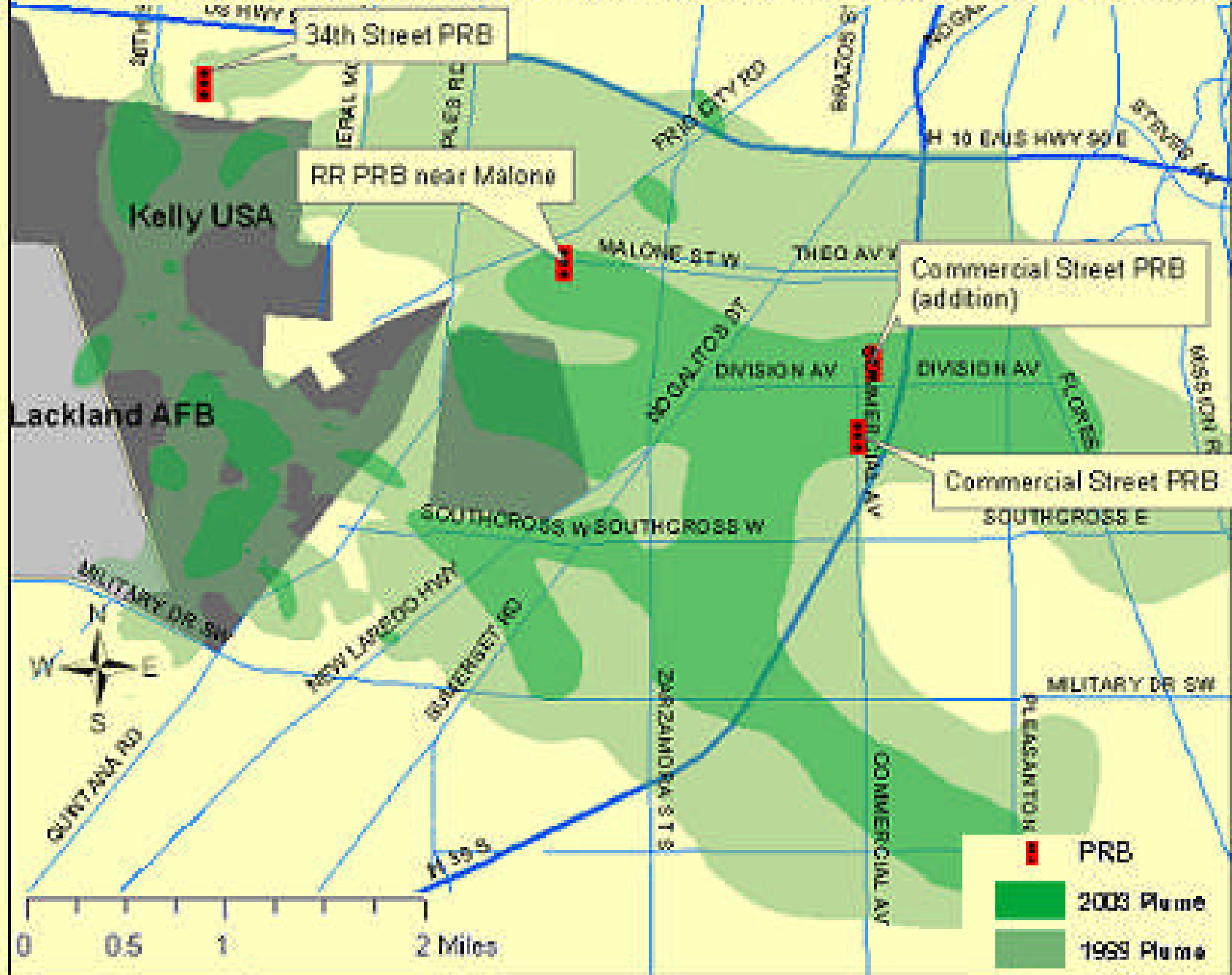
34th Street PRB: Trenching Method



Commercial Street PRB: Injection Method



Permeable Reactive Barrier Off-Base Locations





Zephyr staff performing air monitoring at 34th St

PCEH staff performing air monitoring at Commercial Street



Sub-Slab Gas Sampling

- Performed by Zephyr Environmental consultants on behalf of PCEH
- Samples taken from:
 - 3 vacant buildings on East Kelly
 - Normoyle Community Center
- Contaminants of concern not found

Sub-Slab Sampling by Zephyr



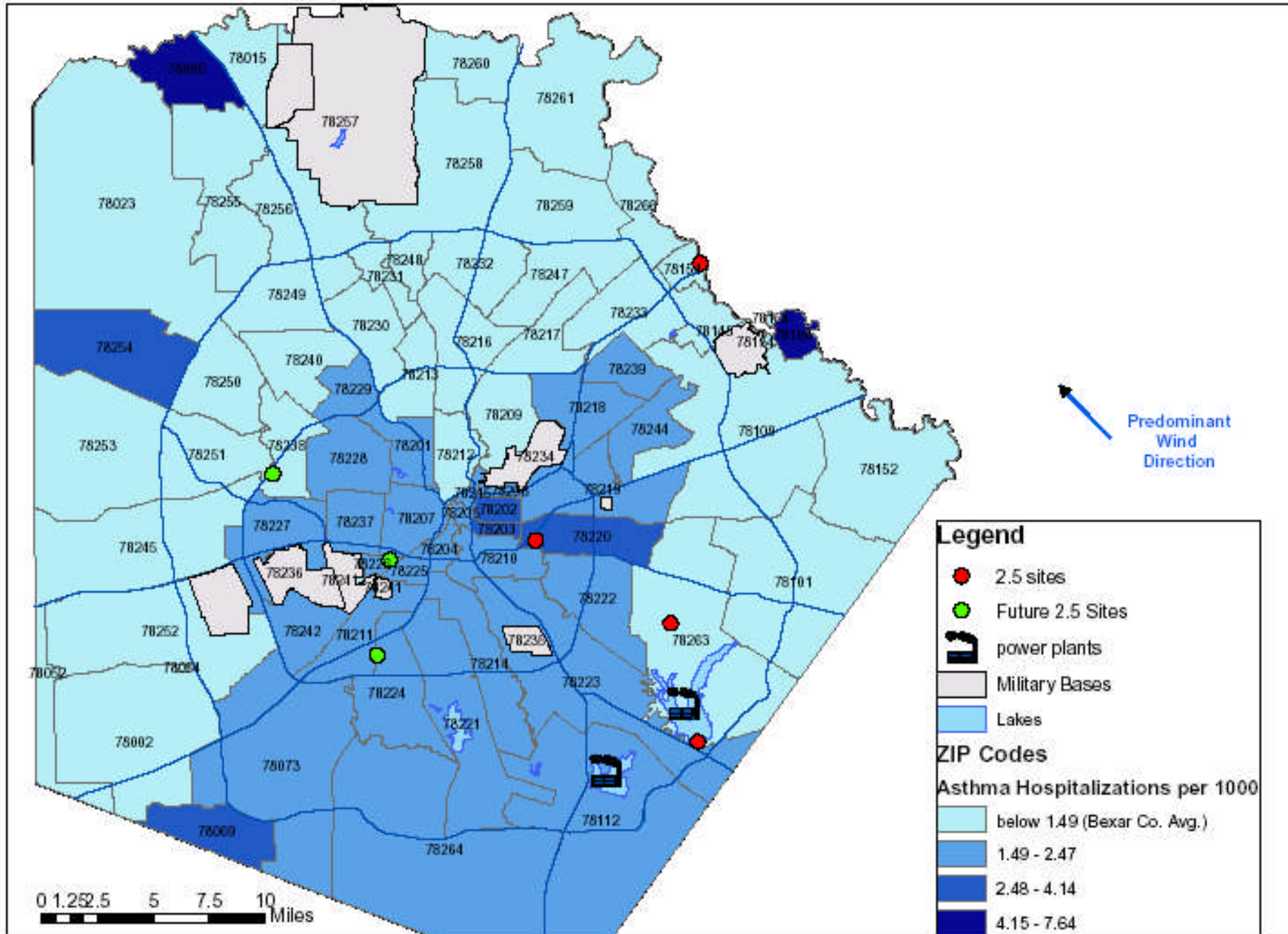
Sub-Slab Sampling by Zephyr



PM 2.5 Air Monitoring

- Partnership with TCEQ
- Air particles (pollution) less than or equal to 2.5 microns in diameter
- 2-3 monitors proposed for Southwest San Antonio (Kelly area)
- Citizens requested air monitoring in this area for several years due to elevated asthma rates and other concerns

Bexar County Asthma Rates and PM 2.5 Monitors





PCEH and EHWC Health Studies and Partners

Texas Department of State Health Services

- Cancer incidence and mortality
- Birth defects and low birth weights
- No significant findings

Agency for Toxic Substance & Disease Registry

- Liver cancer
- Leukemia
- Both elevated in Southwest San Antonio

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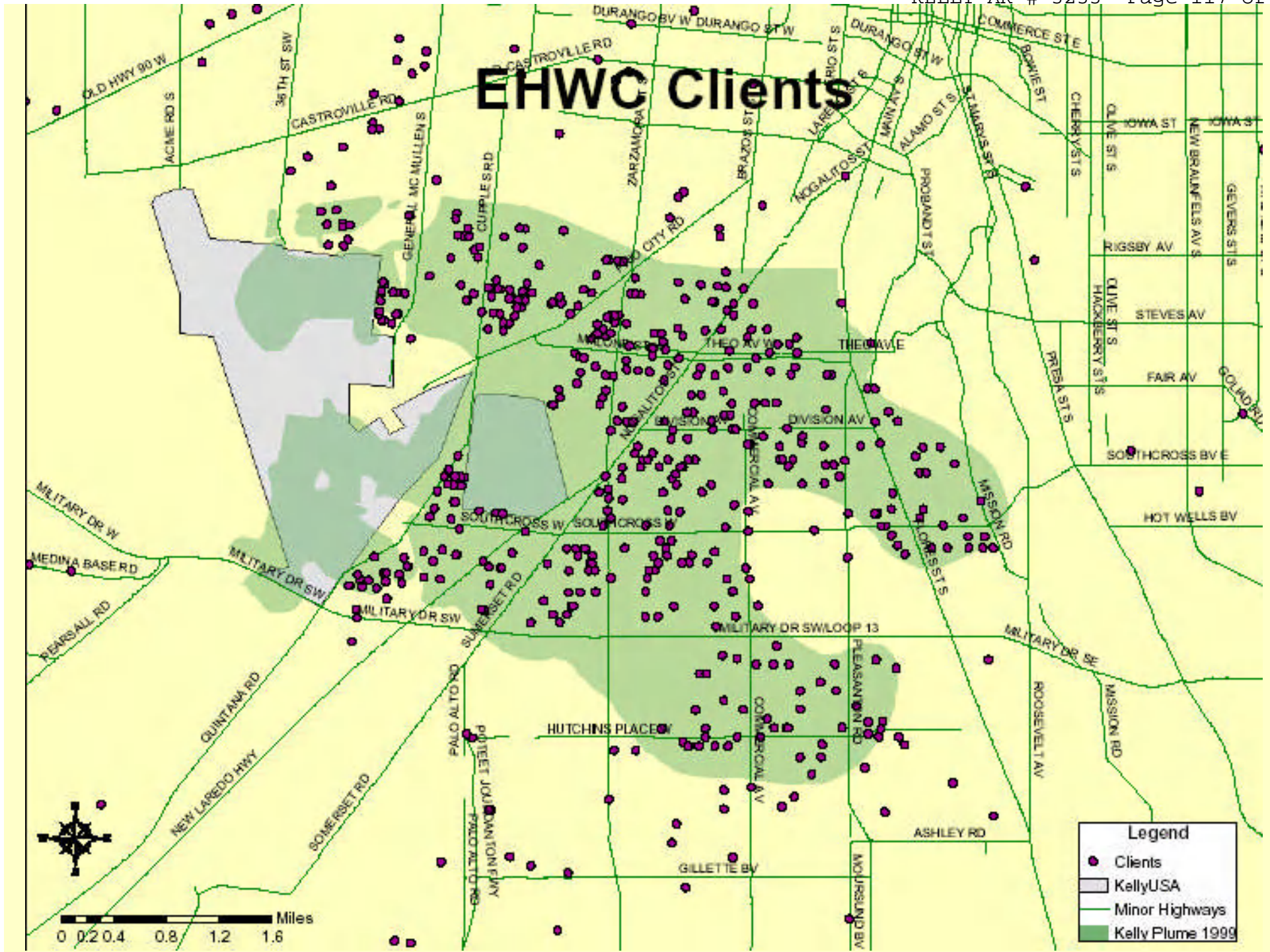
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- Cholesterol
- Liver functions
- Kidney functions
- Iron
- Thyroid
- Lead
- Hepatitis C
- Prostate cancer
- Blood pressure
- Peripheral vascular disease
- Urinalysis

Environmental Health and Wellness Center (continued)

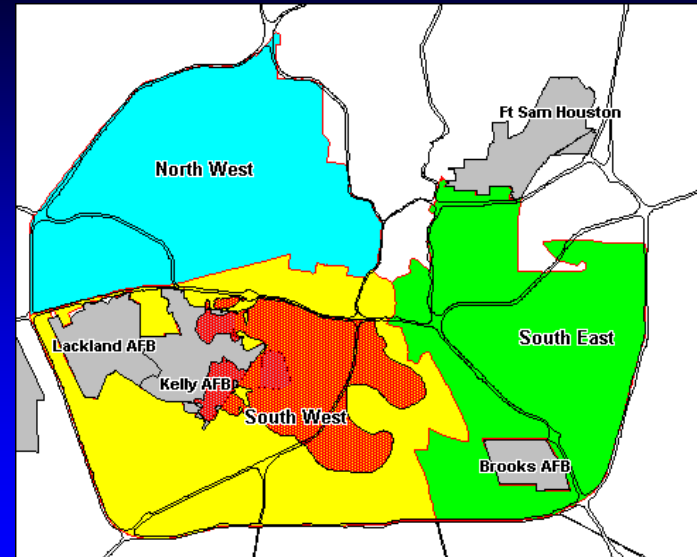
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EHWC Clients





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FY06 – FY11

Environmental Restoration Projects

FY	Project	FY	Project
06	Operations and Maintenance - \$5,600,000	09	Operations and Maintenance - \$5,339,329
	RCRA Compliance Plan Sampling - \$1,991,000		RCRA Compliance Plan Sampling - \$3,257,161
	SWMU Remedial Action - \$4,971,000		
07	Operations and Maintenance - \$6,719,702	10	Operations and Maintenance - 5,266,219
	RCRA Compliance Plan Sampling - \$2,780,409		RCRA Compliance Plan Sampling - \$2,417,257
			Site MP Optimization - \$9,140,000
08	Operations and Maintenance - \$5,270,623	11	Operations and Maintenance - \$6,749,612
	RCRA Compliance Plan Sampling - \$3,009,592		RCRA Compliance Plan Sampling - \$2,552,420

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE