

KELLY AFB TEXAS

ADMINISTRATIVE RECORD COVER SHEET

AR File Number 3358

Restoration Advisory Board Workshop January 5, 1995

Agenda

Event	Time	Speaker
Visit Control Center (Pickup RAB Members)	8:30-9:00 am	Dick Walters
Welcome (Administrative Duties)	9:00-9:15 am	Mr. Bailey
Workshop Outline (Agenda for the Day/Introductions)	9:15-9:30 am	Richard Trevino
Site Visits (Zone 1 - Dan Medina)	9:30-12:00 noon	EMRO, EMC
(Zone 2 - Kenny Johnson) (Zone 3 - Victoria Wark/Ron Catchings) (Zone 4 - Ed Roberson) (Zone 5 - Steve Escude'/Mike Patterson) (Storage Tanks - Mike Patterson/Don Fick (DRMO Facility - Rob Backlund)		Members board bus
Lunch (Officer's Club)	12:00-1:00 pm	egg. I comment of
Return to Redell Room (Restroom Break)	1:00-1:15 pm	÷
IRP Overview * Program Definition ** How the program was created	1:15-1:30 pm	Richard Trevino

** Rules/Laws that govern program

** Historical Waste Handling Practices

* Program Strategy

- ** Priority
 - ** Off-base
 - ** Surface Water
 - ** On-Base
- * Program Process
 - ** IRP Process (PA to RA)
 - ** Interim Remedial Measures
 - ** Groundwater
 - ** Soil

Current Program Status

1:30-3:15 pm

EMRO

- ** Zone 1, 2, 3, 4, 5
 - ** History
 - ** Types of sites
 - ** Impacted Areas (Maps)
 - ** Soil
 - ** Groundwater

- Zones 15 minutes each
- STP 15 minutes
- Breaks two 5-minute breaks

- ** Interim Measures
- ** Process Status (RI/FS?)
 - ** Costs Preferred Alternative
 - ** Present vs Future
- ** Future Requirements (FY96-FY97)
- ** Storage Tank Program
 - ** Number of Tanks and General location (Map)
 - ** Number Removed by Year until completed
 - ** Number Upgrade by Year until completed
 - ** Quantity Soil Treated to Date

Budgetary Process

3:15-3:30 pm

Richard Trevino

- * Air Force Policy (60/40 spilt)
 - * Relative Risk Rating
 - ** Table of Sites Rating
 - * General FY95 Budget (No Dollars)
- * Future Program Requirements
 - * Finished Site Chart (with General Dollars)

Contracting Process

3:30-3:45 pm

PKOEV

- * Sensitivity of Dollar values
- * Laws/Rules

Spill Prevention Procedures

3:45-4:00 pm

EMC

Public Affairs Activities

4:00-4:15 pm

PAE

Summary and Closing

4:15-4:30 pm

Mr. Bailey

Workshop Completed

4:30 pm

g 29 Dec 94 @ 10:00 Am Bldg306 EM Conf Rm

Restoration Advisory Board Outline

- * Kelly AFB Site Visit
- * IRP Overview
- * Current Program Status
- * Budgetary Process
- ***** Contracting Process
- * Spill Prevention Procedures
- * Public Affairs
- * Summary/Closing

IRP Overview Program Definition

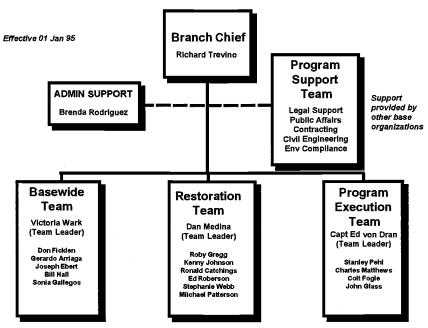
* Program Creation:

- * The Department of Air Force initiated the Installation Restoration Program (IRP) in 1976.
- *The IRP is funded and operated under the Department of Defense (DoD) for the purpose of identifying impacted areas and perform appropriate cleanup actions.
- *Kelly IRP began in 1982 with a Preliminary Assessment identifying 26 potential sites.

IRP Overview Program Definition

- *Between 1983 and 1988, a Site Investigation began investigating the 26 sites.
- *In 1988, a dedicated environmental staff was created to handle strictly cleanup actions.
- *Between 1988 and 1993, a total of 52 IRP sites were identified requiring investigation and appropriate cleanup.
- *Between 1990 and 1994, a total of 20 sites have been closed recommending no further action.

RESTORATION OPERATIONS BRANCH



IRP Overview Program Definition

- Elements that govern the Kelly cleanup program
 - * Federal rules, laws and regulations
 - * Comprehensive Environmental Response, Compensation and Liability Act (CERLA)
 - * Resource Conservation and Recovery Act (RCRA)
 - * Superfund Amendments and Reauthorization Act (SARA)
 - * State of Texas rules, laws and regulations
 - * 30 Texas Administrative Code 335 (30 TAC 335)
 - * Texas Water Code 305

IRP Overview Strategy and Objectives

- * Overall Protection of Human Health and the Environment.
- * Compliance with Federal/State/Local laws and regulations.
- * To Accomplish the Objectives, the Proposed Actions will address:
 - * Containment at the Base Boundary
 - * Permanent Treatment
 - * Source Area Remediation
 - * Focus on Cleaning Up Highly Impacted Areas

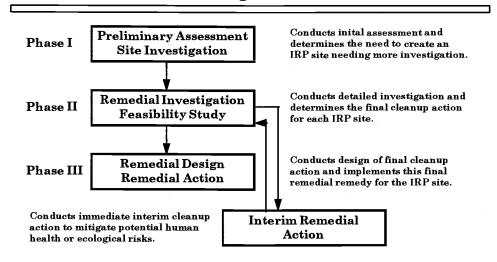
IRP Overview Strategy and Objectives

- * Strategy of cleanup program:
 - * Eliminate or reduce impact to human health and/or the environment with priority, as follows:
 - * Off-base Areas
 - * Surface Waters
 - * On-base Areas

IRP Overview Evaluation Criteria

- * Preferred Action evaluated on nine factors:
 - * Overall Protection of Human Health and the Environment
 - * Compliance with ARARs (Federal/State laws)
 - * Long-Term Effectiveness and Permanance
 - * Reduction of Mobility, Toxicity, or Volume through Treatment
 - * Short-Term Effectiveness
 - * Implementability
 - * Cost
 - * State Acceptance
 - * Community Acceptance

IRP Overview Cleanup Process



Current Program Status Installation Restoration Program

January 5, 1995

IRP Zone 1 Status

January 5, 1995

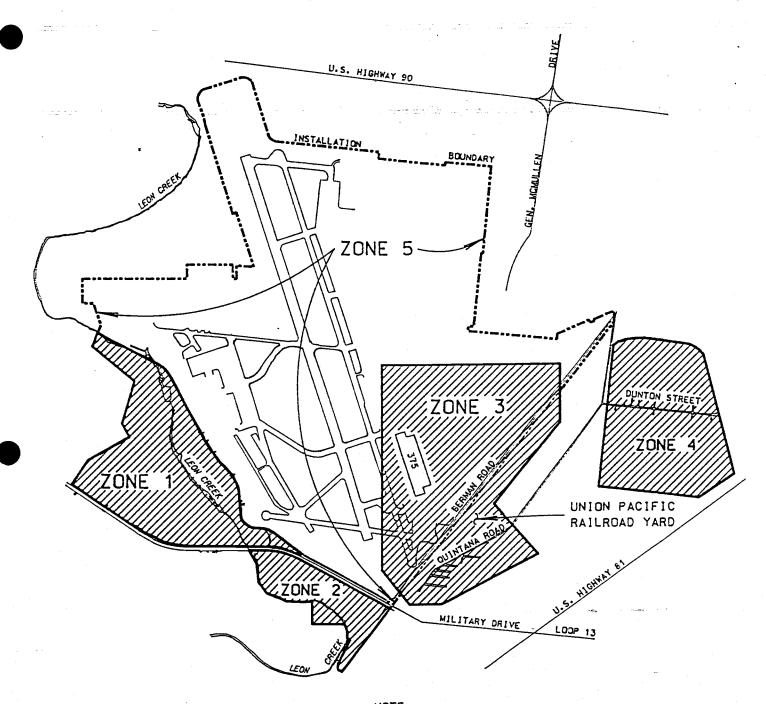
Zone 1 Overview

Zone 1 Team

- * Dan Medina
- * Roby Gregg

17 Sites in Zone 1

- * 16 Individual Soil Sites
- * Groundwater Zone 1 (Site SS-035)
- * Comprised of 383 Acres



NOTE:

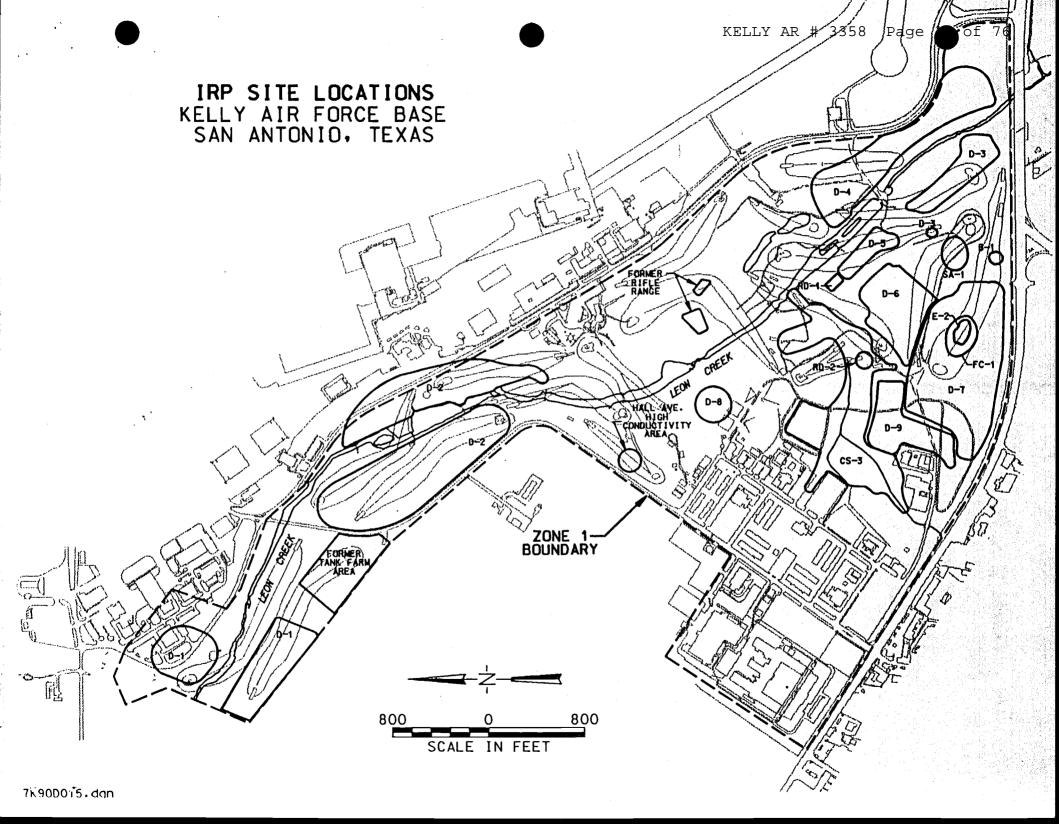
ZONE 5-ISOLATED SITES. INCLUDES SITES THAT ARE NOT LOCATED IN OTHER ZONES.



GRAPHIC SCALE

3000**′** 6000′

MAP OF ZONES UNDER INVESTIGATION AT KELLY AIR FORCE BASE

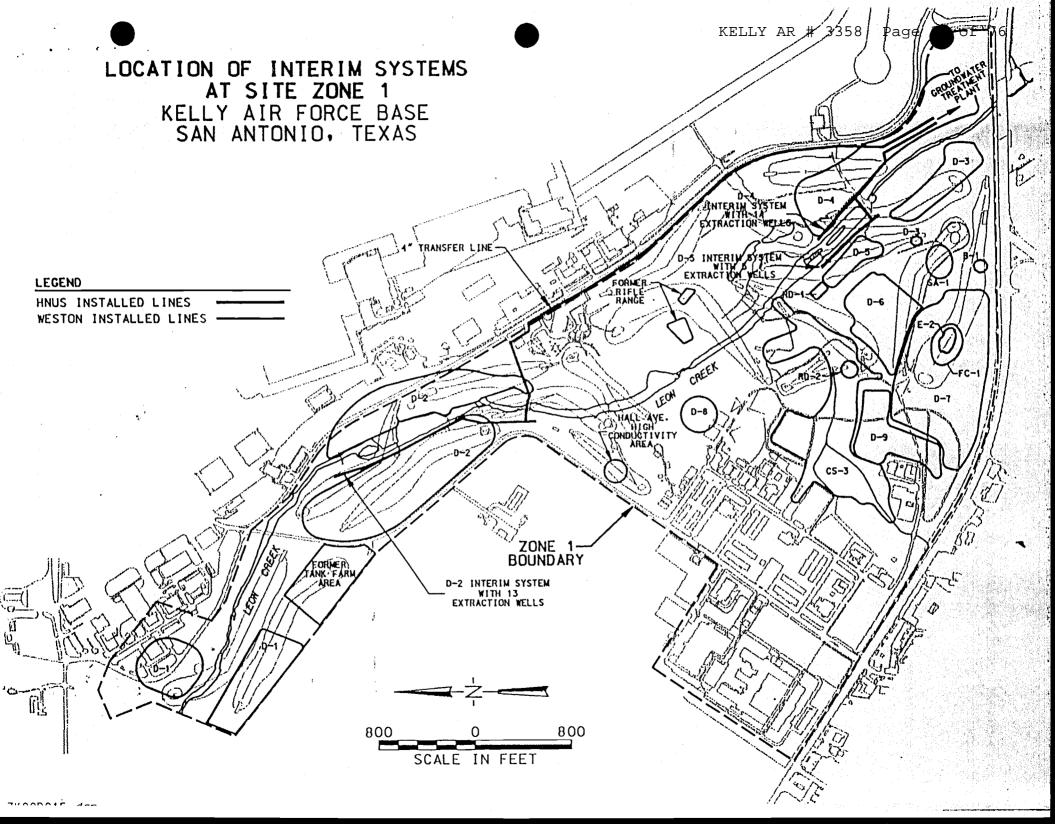


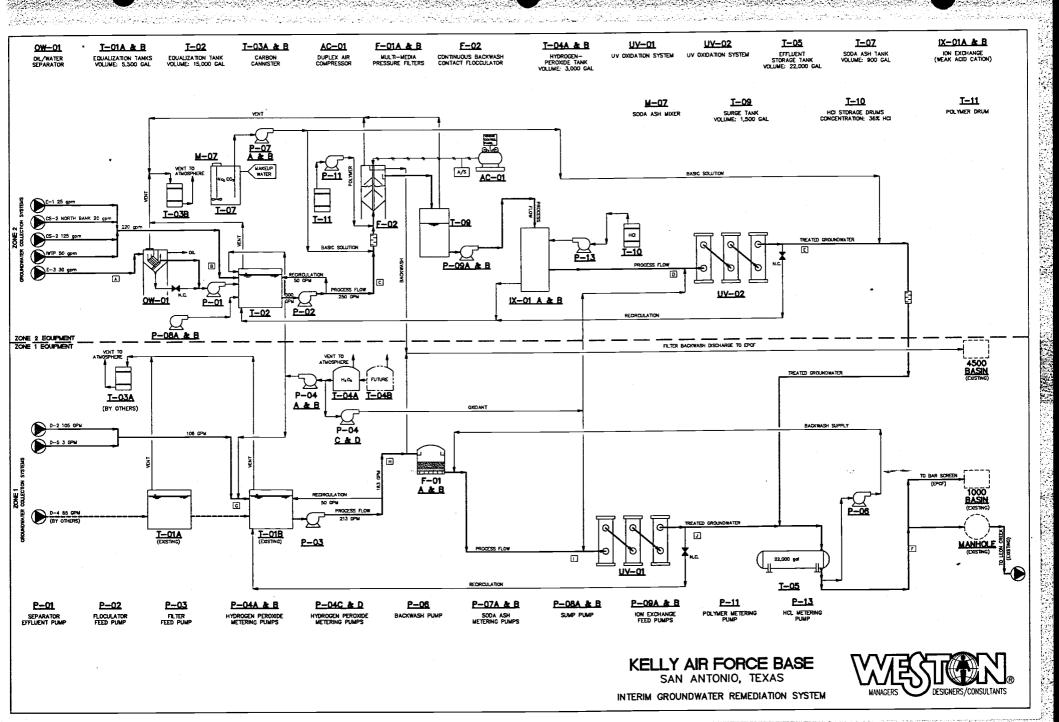
Zone 1 Overview

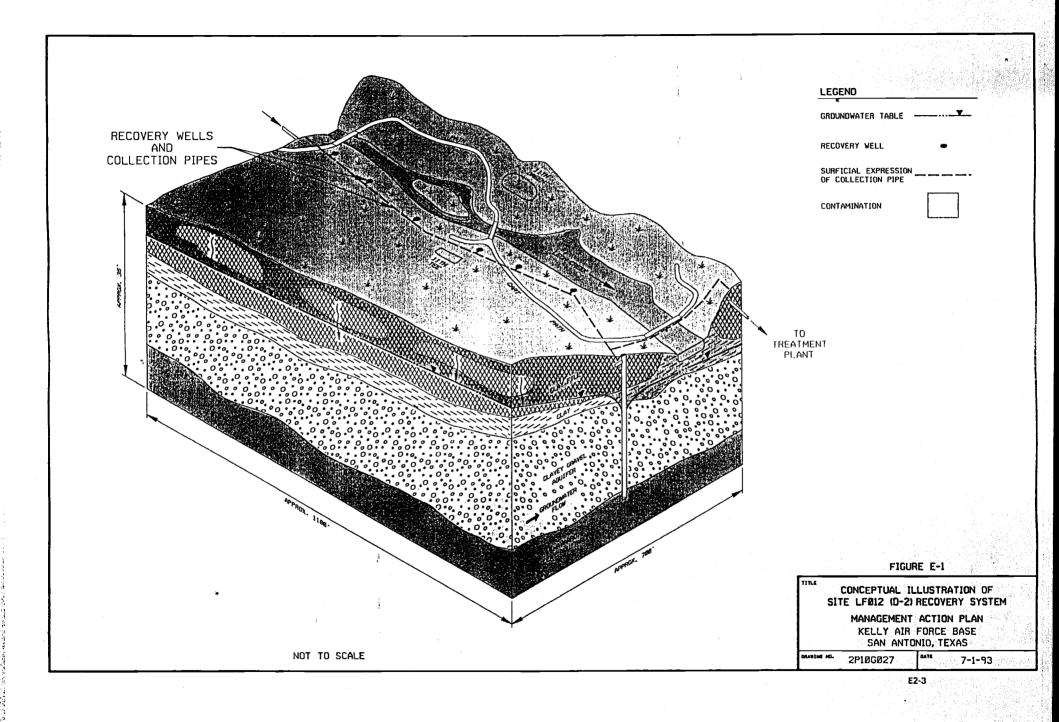
- * Geologic Setting
 - * Alluvial sediments consist of silts, clays, gravels
- * Hydrogeologic Setting
 - * Groundwater exists under unconfined aquifer conditions
 - * Groundwater typically flows towards Leon Creek
 - * Perched groundwater also exists within landfill trenches

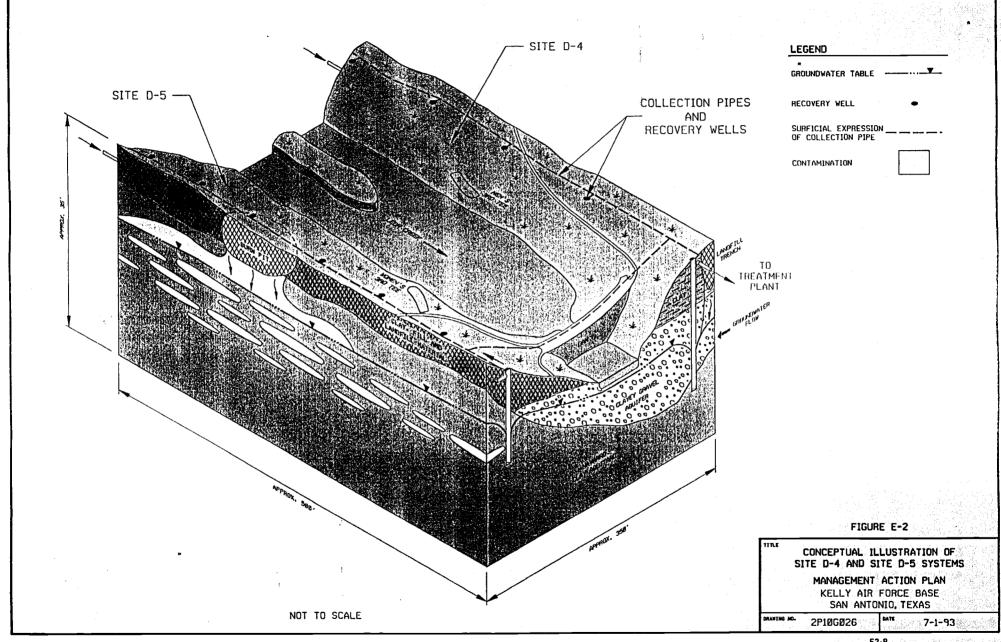
Zone 1 Overview

- * Historical Uses of Zone 1 include:
 - * Disposal of waste materials through landfills, sludge beds, an oil evaporation pit, and an oil burning pit
 - * Landfilling, trenching and grading, and related operations have disturbed much of the near surface soils
 - * Golf course construction in the late 1960's have affected undisturbed soils









Zone 1 Past Investigations and Projects

Remedial Investigations / Feasibility Studies

* Completed RI for all sites

Sites Closures

- * 5 Sites proposed for No Further Action
- * 2 Sites proposed for Long Term Monitoring

Interim Remedial Actions

* 3 Groundwater recovery systems installed

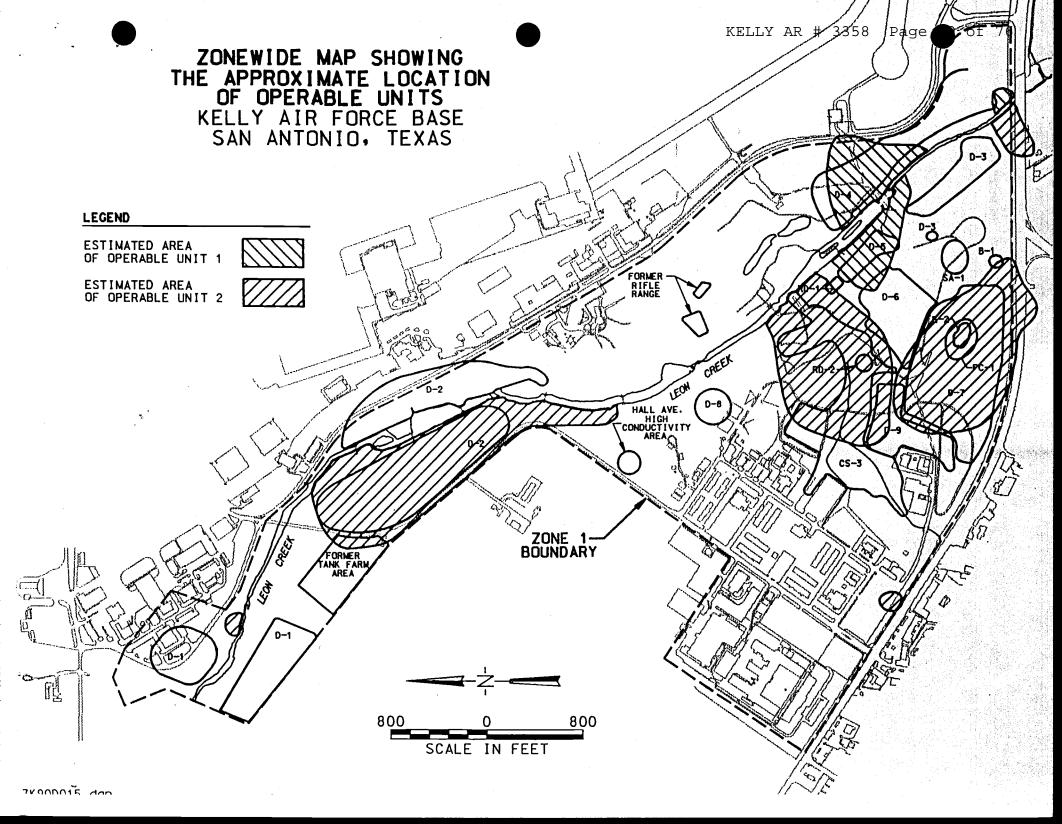
Zone 1 Current Investigations and Projects

Remedial Investigations / Feasibility Studies

* FS for Groundwater and Soil currently in progress

Interim Remedial Actions

- * Sites D-2, D-4 and D-5 in operation
- * Total Interim Remedial Costs \$2.9 Million (Includes \$900 Thousand for D-4 and \$2.0 Million for D-2, D-5)
- * Installed as a result of RI data indicating potential risks associated with soil and groundwater contamination as well as potential impact to Leon Creek
- * Interim Action serves as a Quick-Response Measure to prevent or minimize potential impact to the public, workers and the environment



Proposed Groundwater Remedial Alternatives

- * Proposed Alternatives to Address 2 Operable Units for Groundwater in Zone 1
- * Alternatives to Incorporate Interim Remedial Actions Currently in Operation for D-2, D-4 & D-5
- * Groundwater Alternatives to be done inconjunction with Soil Remedial Actions

Groundwater - Zone 1 Summary

* OPERABLE UNIT 1

\$9.61Million

- * DEED RESTRICTIONS
- * GROUNDWATER MONITORING
- * EXTRACTION WELLS, OXIDATION
- * DISCHARGE TO PERMITTED OUTFALL

*** OPERABLE UNIT 2**

\$24.50 Million

- * DEED RESTRICTIONS
- * GROUNDWATER MONITORING
- * COLLECTION TRENCHES, WELLS
- * OXIDATION, PRECIPITATION
- * DISCHARGE TO PERMITTED OUTFALL
- * OPERABLE UNIT COSTS REFLECTS \$2.9 MILLION SPENT ON INTERIM REMEDIAL ACTIONS

Operable Unit 1 Cost Summary

OPERABLE UNIT 1 - Proposed Clean Up Action

* Installation Time: 12-18 months

* Cost - Capital: \$260,000

* O&M/Present Worth: \$9.35 Million

* Cost of Alternative Accounts for Part of \$2.9 Million Spent On Currently Operating Interim Remedial Actions

* Total: \$9.61 Million Over 30 Years

Operable Unit 2 Cost Summary

OPERABLE UNIT 2 - Proposed Clean Up Action

Installation Time - 12-18 months

- * Cost Capital: \$6.53 Million
- * O&M/Present Worth: \$17.96 Million
- * Cost of Alternative Accounts for Part of \$2.9 Million Spent on Currently Operating Interim Remedial Actions

* Total: \$25.40 Million Over 30 Years

Zone 1 Future Projects

Remedial Design

- * FY 95 Completion of Soil and Groundwater Feasibility Studies and Record of Decision
- * FY 95 Zone 1 Soil and Groundwater Design
- * FY 96 All sites not closed during FS

Remedial Actions

* FY96, FY97

IRP Zone 2 Status

January 5, 1995

Zone 2 Overview

Zone 2 Project Manager

* Ken Johnson

Hydrology/Geology

- * Silts, clays, sands, gravels, Navarro Clay
- * Water table ranges from 5 to 30 feet below surface
- * Groundwater flow is to the Southeast

16 Sites in Zone 2

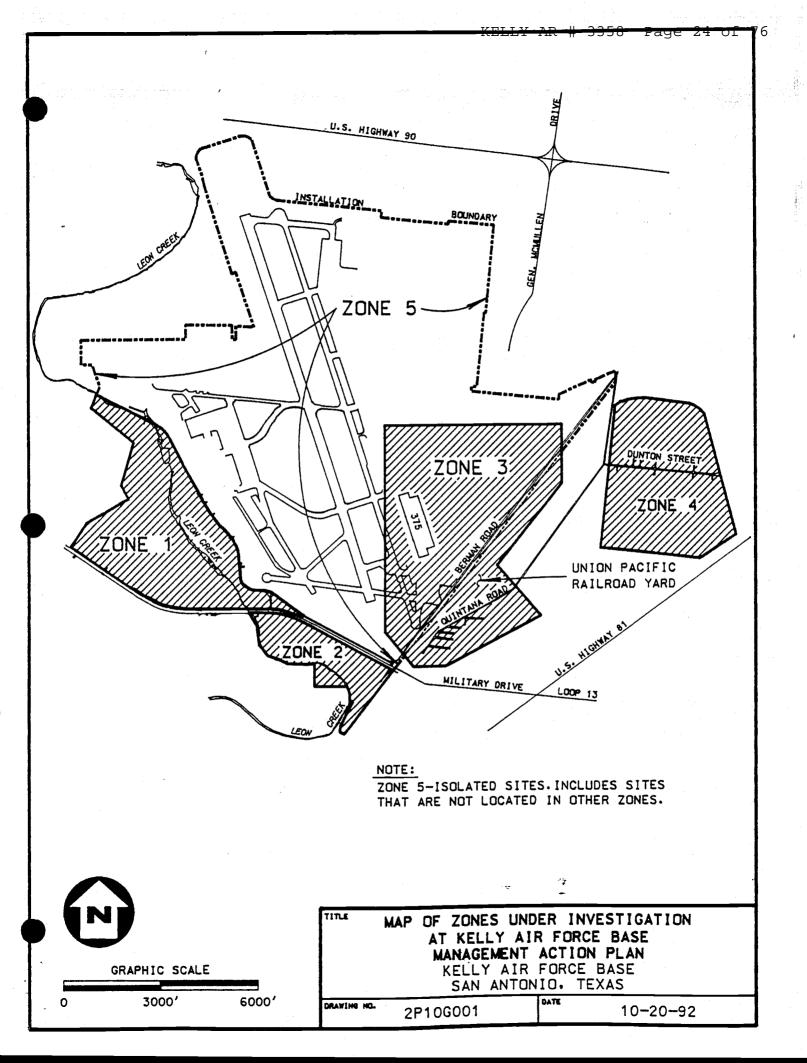
15 Soil Sites

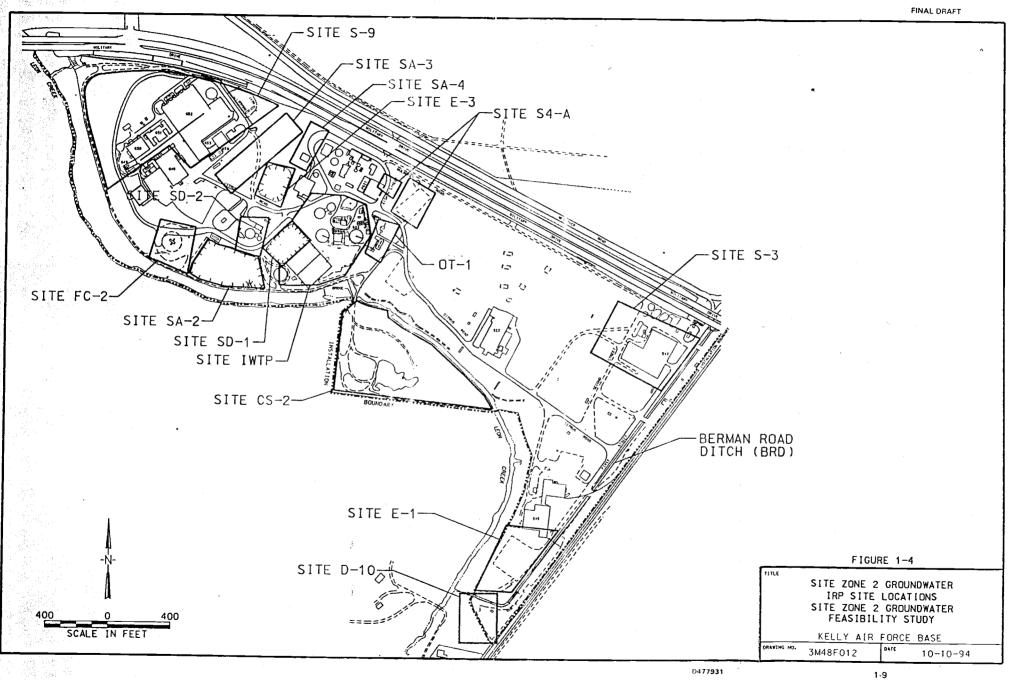
- * Groundwater Zone 2 (Site SS-036)
- * Total Area Zone 2: 174 Acres

Zone 2 Overview

Zone 2 Historical Uses:

- *** Jet Engine Testing**
- * Wastewater Treatment
- * Fire Control Training
- *Waste Disposal in Evaporating Pits
- * Sludge Drying in Land Spreading Areas
- * Equipment and Material Storage





Zone 2 Past Investigations and Projects

Remedial Investigations / Feasibility Studies

* Completed RI for all sites except D-10

Site Closures

* 5 Sites proposed for No Further Action

Removal Actions

* 1 Removal action completed

Interim Remedial Actions

* 2 Groundwater recovery systems installed

Zone 2 Current Investigations and Projects

Remedial Investigations / Feasibility Studies

- * Zone 2 FS for Groundwater and Soil currently in progress
- * D-10 RI/FS in progress

Interim Remedial Actions

* Sites E-3, E-1, CS-2 and IWTP in progress

Operable Unit 1 Cost Summary

OPERABLE UNIT 1 - Proposed Clean Up Action

* Installation Time: 12-18 months

* Cost - Capital: \$6,470,000

* O&M/Present Worth: \$10,870,000

* Interim Remedial Actions: Less \$3,444,000

* Future Costs: \$13,896,000

* Total: \$17.3 Million Over 8 Years

Operable Unit 2 Cost Summary

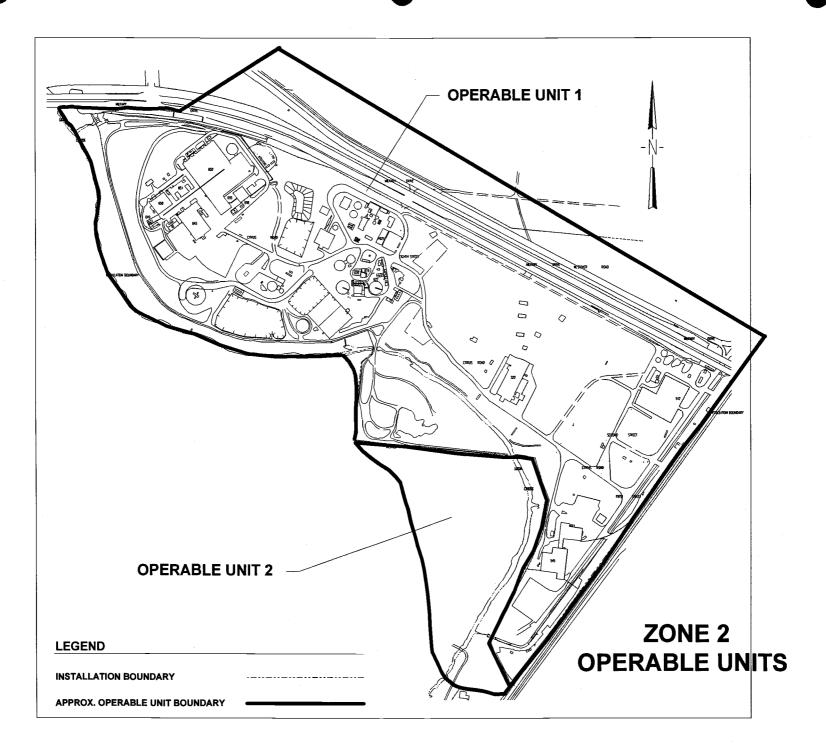
OPERABLE UNIT 2 - Proposed Clean Up Action

* Installation Time: Less than 6 months

* Cost - Capital: \$273,000

* O&M/Present Worth: \$289,000

* Total: \$562 Thousand Over 5 Years



Groundwater Zone 2 Summary

OPERABLE UNIT 1

\$17.3 Million

- * Deed Restrictions
- * Groundwater Monitoring
- * Reinjection
- *** Collection Trenches**
- * In Situ Aerobic Bioremediation
- * Oxidation
- * Precipitation
- * Slurry Wall

Groundwater Zone 2 Summary

OPERABLE UNIT 2

\$562 Thousand

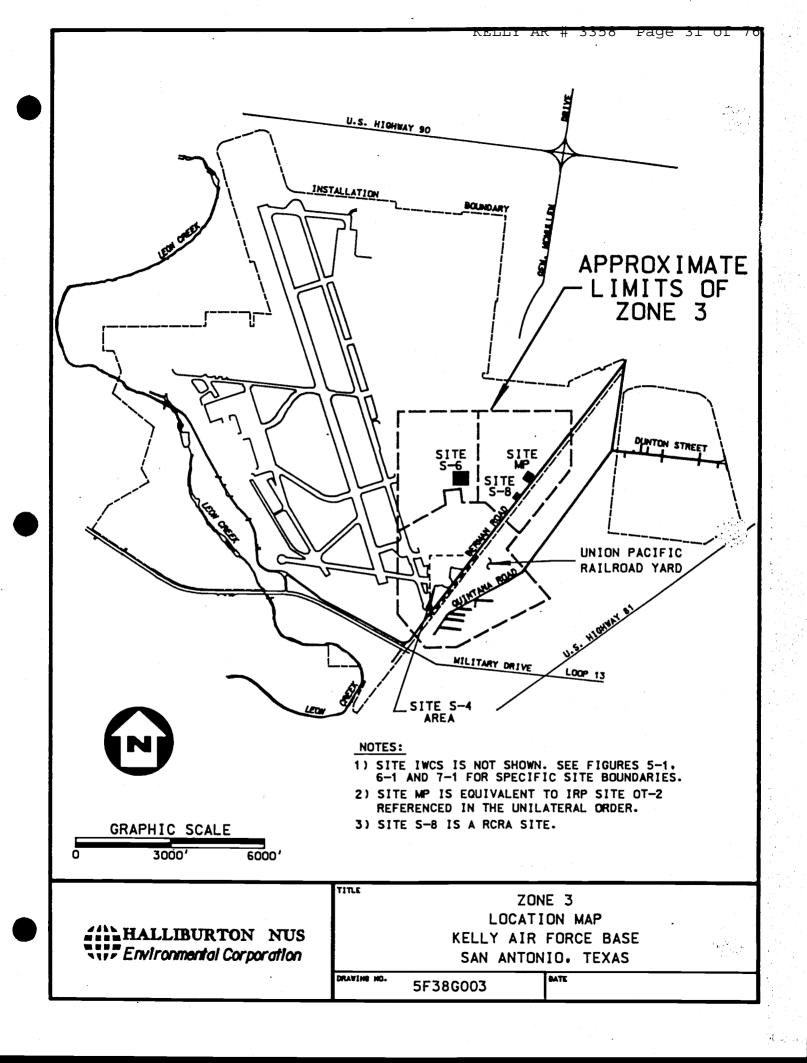
- * Deed Restrictions
- * Groundwater Monitoring
- * OPERABLE UNIT COSTS REFLECTS \$3.4 MILLION SPENT ON INTERIM REMEDIAL ACTIONS

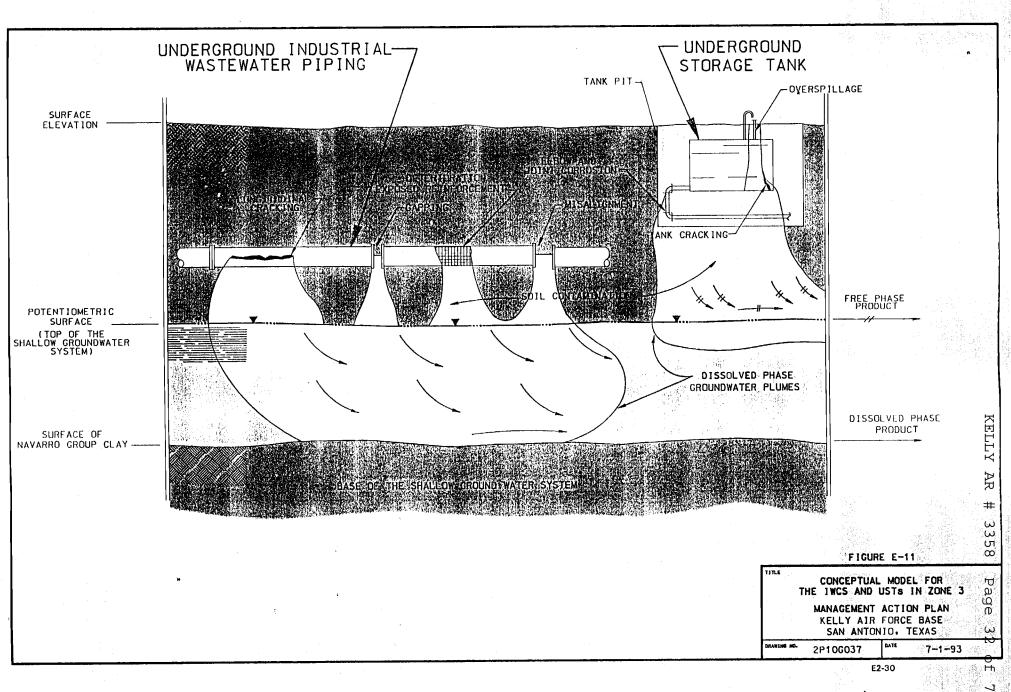
IRP Zone 3 Status

January 5, 1995

Groundwater - Zone 3 Overview

- * Project Manager: Ronald C. Catchings
- * Location:
 - * Eastern Base Boundary
 - * Union Pacific Railroad Yard
 - * Quintana Road neighborhood
- * Site Characteristics:
 - * Consists of 488 Acres
 - * 10 IRP Sites including:
 - *1 RCRA-regulated unit (Site S-8)





Zone 3 Historical Uses

- * Industrial Part of Air Base
- * Maintenance of Jet Engines
- * Depot Maintenance of B-52s (Past)
- * Depot Maintenance of C-5s (Present)
- * Depot Maintenance of C-17s (Future)
- * Depot Maintenance Started 1940's
- * Industrial Waste Collection Line (Leaks)
- * Underground Storage Tanks (Leaks)

Zone 3 Past Investigations and Projects

Remedial Investigations / Feasibility Studies

* Completed Zone 3 RI

Site Closures

* 5 Sites proposed for No Further Action

Interim Remedial Actions

* 2 Groundwater recovery systems installed

Zone 3 Current Investigations and Projects

Remedial Investigations / Feasibility Studies

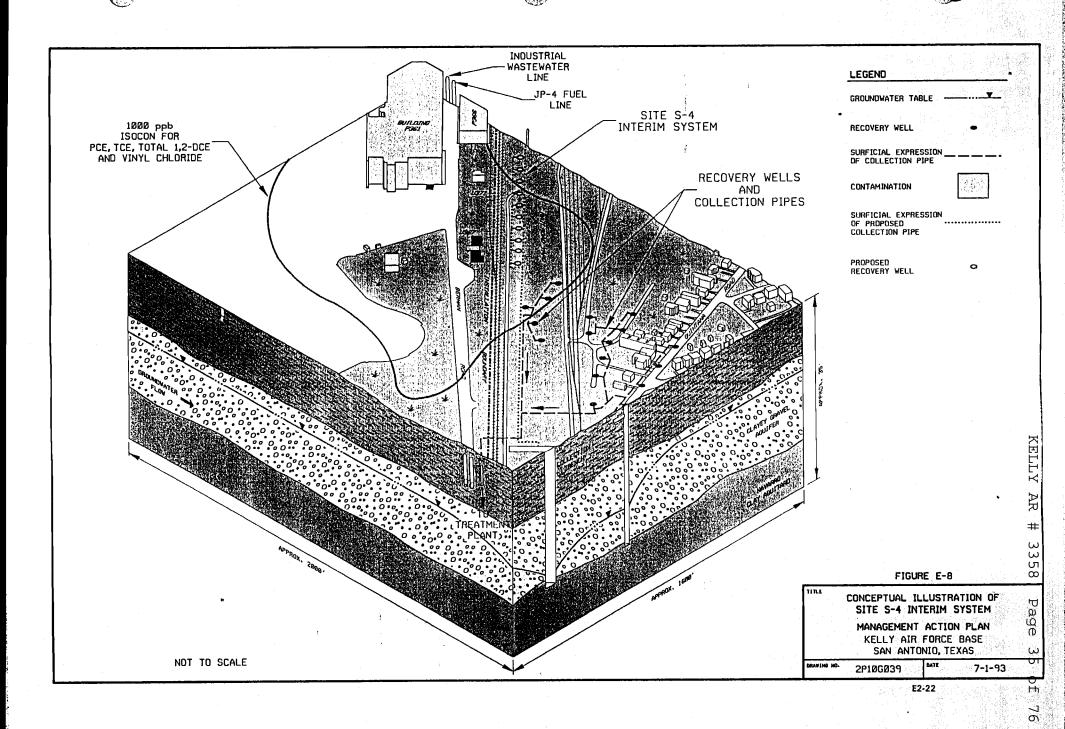
***** Zone 3 FS in progress

Interim Remedial Actions

- * Contracted 2 groundwater recovery systems
- * Contracted with City of San Antonio for Containment Barrier

Groundwater - Zone 3 Program Status

- * Interim Remedial Actions (IRAs) 5 major efforts
 - * Site S-4/Quintana Road IFPRS
 - * Site S-8 IFPRS
 - * Site S-4 Upgrade
 - * Site OT-2 GWRS
 - * Quintana Road Storm Drainage Project (provides containment structure)
- * Note: 2 IRAs are in place 3 IRAs are under construction. All IRAs are incorporated into the FS preferred alternative.



Groundwater - Zone 3 Preferred Alternative

* OPERABLE UNIT 1 - Proposed Clean Up Action

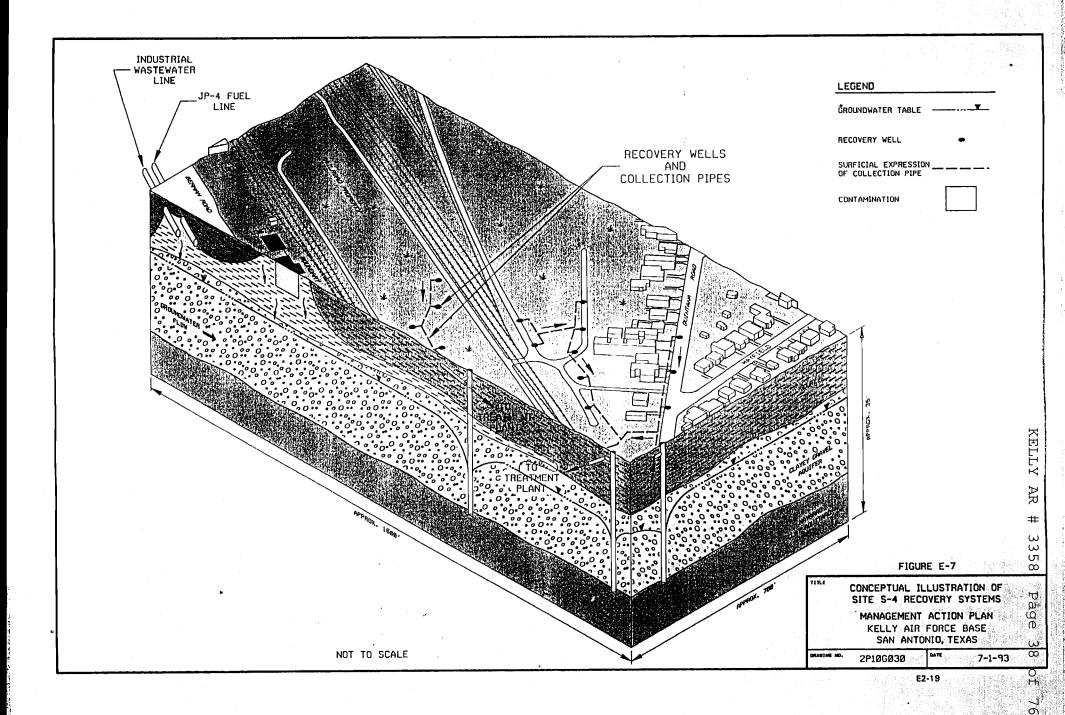
- * Institutional Controls
- * Groundwater Monitoring
- * Extraction Wells
- * Ex Situ Oxidation Treatment (organics)
- * Ex Situ Precipitation Treatment (inorganics)
- * Disposal at EPCF
- * Underground Containment Structure Off-base

Groundwater - Zone 3 Preferred Alternative

- * Capital costs:
 - *\$13.7 million
 - *\$6.8 million current
 - * \$6,900,000 Future
- * O&M/Long-Term Monitoring (30 years):
 - * \$28.6 million
- * Total Cost \$42.3 million

INDUSTRIAL WASTEWATER -LINE LEGEND JP-4 FUEL LINE GROUNOWATER TABLE RECOVERY WELL RECOVERY SYSTEM SHED SURFICIAL EXPRESSION OF COLLECTION PIPE CONTAMINATION COLLECTION PIPES AND RECOVERY WELLS AUTOMATED ENGINE PARTS CLEANING FACILITY AEPCF UNDERGROUND STORAGE TANKS UST a σı FIGURE E-9 CONCEPTUAL ILLUSTRATION OF SITE STØ38 (S-8) RECOVERY SYSTEM MANAGEMENT ACTION PLAN KELLY AIR FORCE BASE SAN ANTONIO, TEXAS 2P1ØGØ29 7-1-93 NOT TO SCALE E2-25

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LEGEND GROUNDWATER TABLE RECOVERY WELL INDUSTRIAL WASTEWATER-LINE PROPOSED SURFICIAL EXPRESSION OF COLLECTION PIPE RECOVERY SYSTEM SHED PROPOSED RECOVERY WELLS CONTAMINATION AND COLLECTION PIPES ω 58 FIGURE E-10 CONCEPTUAL ILLUSTRATION OF SITE SS040 (OT-2) RECOVERY SYSTEM OF CONCENT ACTION PLAN KELLY AIR FORCE BASE SAN ANTONIO, TEXAS

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Zone 3 Future Projects

Remedial Investigations / Feasibility Studies

* Completed - 1995

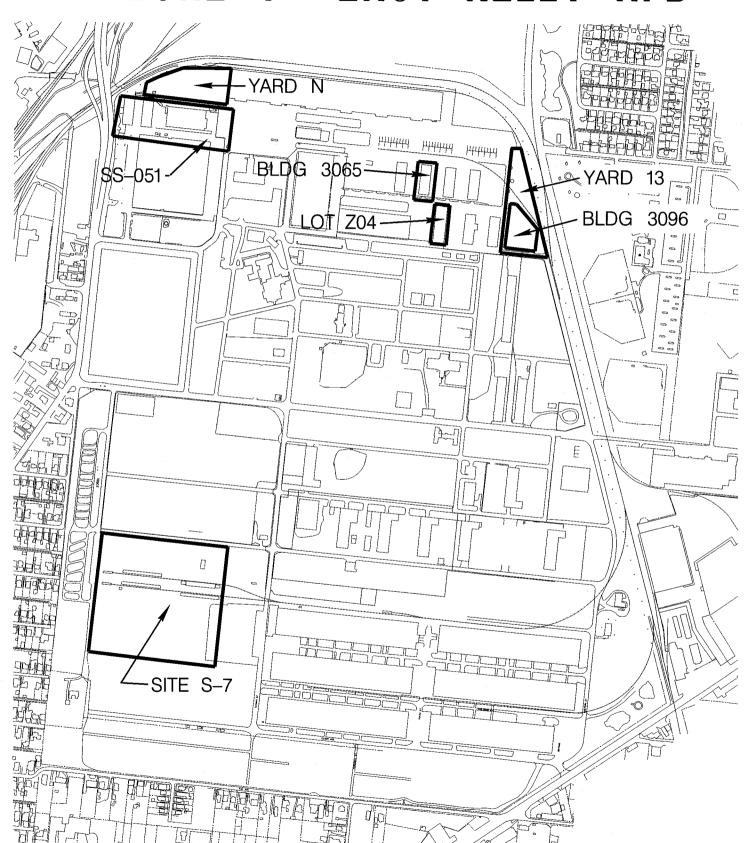
Remedial Design / Remedial Actions

- * FY 95 Remedial Design Groundwater
- * FY 95 Remedial Design Soil
- * FY 96 Remedial Action

IRP Zone 4 Status

January 5, 1995

IRP ZONE 4 - EAST KELLY AFB



Zone 4 Overview

Zone 4 Team

- * Ed Roberson
- * Stephenie Webb

Size of Zone 4

- * Total area of East Kelly is 400 acres
- * 46 acres are leased to Defense Reutilization & Marketing Office (DRMO)

Zone 4 Overview

- **8 Investigation Sites**
- 4 IRP Sites in Zone 4
 - * 3 Spill Sites (S-2, S-7, and SS-051)
 - * Groundwater Zone 4 (SS-052)
- 4 DRMO Hazardous Waste Management Units
 - * Yard N
 - * Yard 13
 - *** Building 3065**
 - * Lot Z04

Zone 4 Overview

- * Geology
 - * Alluvial deposits of clays and gravels (approximately 40 feet deep from surface)
 - * Sediments underlain with the Navarro clay and Taylor marl formations (approximately 800 feet thick)
- * Hydrogeology
 - * Shallow groundwater aquifer found in the alluvial gravels only
 - *Groundwater is under confined conditions

Zone 4 Description

- * East Kelly AFB is an annex to Kelly AFB
- * Formerly known as the Normoyle Quartermaster Depot.
- * Most organizations are tenant organizations.
 - * Some of these, such as the Defense Logistics Agency (DLA) and the Defense Reutilization and Marketing Office (DRMO), are under the control of the Department of Defense and not under direct control of the Air Force.

Zone 4 Description

- * DRMO leases 46 acres on the north side of East Kelly. DRMO is responsible for collecting and reusing, recycling, and/or selling all surplus government property from all military installations in their region.
- * The San Antonio office of DRMO handles surplus property for Kelly AFB, Lackland AFB, Randolph AFB, Brooks AFB, Ft. Sam Houston, Camp Stanley, Laughlin AFB (Del Rio), Bergstrom AFB (Austin), and Ellington Field (Houston).
- * DLA also used yards on the west and south sides of East Kelly as storage areas.

Zone 4 IRP History

- * Two potential IRP sites identified in the Phase 1 study in 1982 (Sites S-2 and S-7)
 - * Site S-2 consisted of two outdoor storage areas (Yard N and Yard 13) in the DRMO leased area. These two yards were used for storage of drums containing used solvents from the 1960s to mid 1980s.
 - * Site S-7 was an outdoor storage area located in the DLA area. This area was used for storage of drums of herbicide in 1971-1972.

Zone 4 IRP History

- * Preliminary investigations were conducted at Sites S-2 and S-7 during the Phase II, Stage 2 Study in 1985. This report indicated the need to conduct a full investigation at both of these sites.
- * A Remedial Investigation was started for both sites in 1989. These investigations were completed in 1992.

Zone 4 Past IRP Projects

- * The Site S-7 RI concluded that there was not significant amounts of residual herbicides left at the site that would pose a risk to human health or the environment, and recommeded that a No Further Action Decision Document be prepared and submitted to close the site.
- * The No Further Action Decision Document for Site S-7 was submitted to the TNRCC in August 1992.
- * The TNRCC requested that additional sampling be conducted at Site S-7 before approving the site closure.

Zone 4 Past IRP Projects

- * The Site S-2 RI concluded that there were solvents in the groundwater, but that Yard N and Yard 13 were not the source.
- * The most probable source was an old industrial waste collection system (IWCS) line located south of Yard N. This line was used to transport used solvents from the engine repair facilities (now St. Philips College, Southwest Campus) to the wastewater treatment plant.
- * A No Further Action Decision Document was submitted to the TNRCC for Site S-2 in August 1992, which was approved.

Zone 4 Current IRP Projects

- * The area around the IWCS line (found during the Site S-2 RI) was designated as IRP Site SS-051, and the groundwater on East Kelly was designated as IRP Site SS-052.
- * A Remedial Investigation of these two sites was started in October 1993, and is still under way. The RI should be complete by December 1995, at which time the Feasibility Study will begin.
- * The additional sampling required by the TNRCC for Site S-7 was conducted as part of the Zone 4 RI. An amendment to the S-7 RI and Decision Document will be forth coming.

Zone 4 Future IRP Projects

FY 96

* Conduct Zone 4 Feasibility Study

FY 97

* Design and install Remedial Actions (if needed)

Zone 4 DRMO History

- * DRMO constructed a temporary storage facility for hazardous wastes in 1986, which is Building 3096. A RCRA Part B Permit was issued to DRMO in December 1987 to operate Building 3096.
- * Five previously used areas in the DRMO lease were classified as hazardous waste management areas, and were included in the Part B Permit.
- * Four of these units were required to have a closure investigation conducted to determine if wastes were released into the environment. These units were Building 3065, Yard N, Yard 13, and Lot Z04.

Zone 4 Past DRMO Projects

- * A Closure Investigation was conducted on Building 3065 in 1992-1994. The Closure Investigation Report was submitted to the TNRCC in April 1994. This project was done by the DLA and the Army Corps of Engineers. The report is awaiting TNRCC comments.
- * A Closure Investigation was conducted on Yard N and Yard 13 was started in November 1993, and the Closure Investigation Reports were submitted to the TNRCC in June 1994. This project was done by DLA through base contracting at Kelly AFB, and the Zone 4 team acted as project managers for this effort. The report is awaiting TNRCC comments.

Zone 4 Current DRMO Projects

- * A new Closure Plan is being prepared for Lot Z04, and will be submitted to the TNRCC on February 1, 1995. This document will be a work plan for conducting a Closure Investigation on Lot Z04.
- * The Closure Investigation of Lot Z04 will begin after the Closure Plan is approved by the TNRCC.

Zone 4 Future DRMO Projects

- * FY 96
 - * Conduct Corrective Measure Study to select best alternative for remediations at Building 3065, Yard N, and Yard 13.
 - * Conduct Closure Investigation on Lot Z04
- * FY 97
 - * Design and install corrective measures at Building 3065, Yard N, and Yard 13 (if needed).
 - * Conduct Corrective Measure Study for Lot Z04.

IRP Zone 5 Status

January 5, 1995



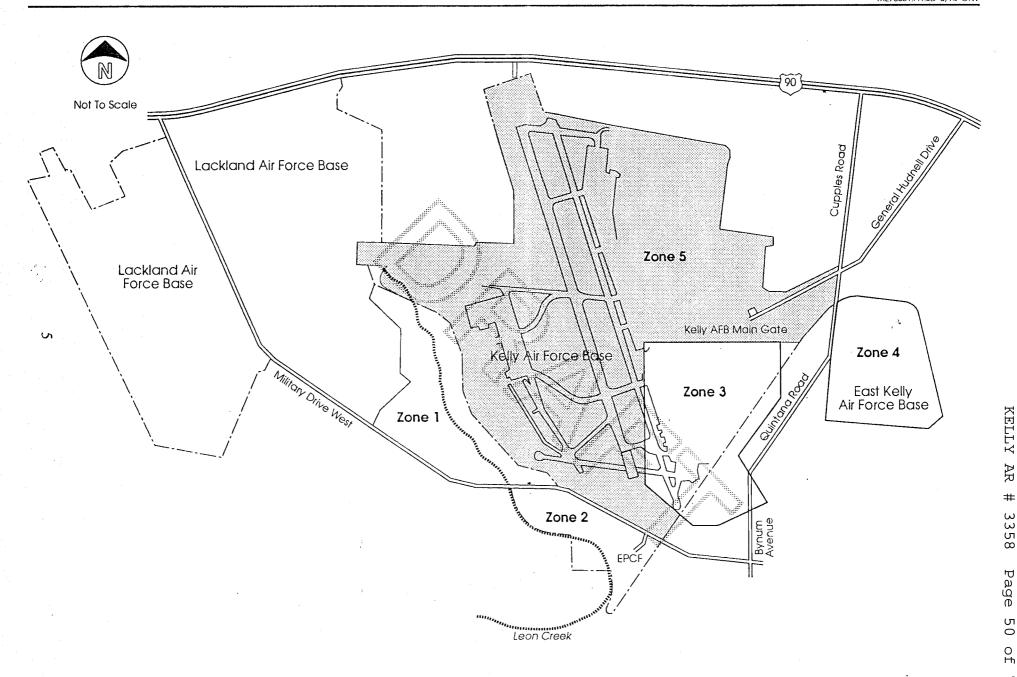
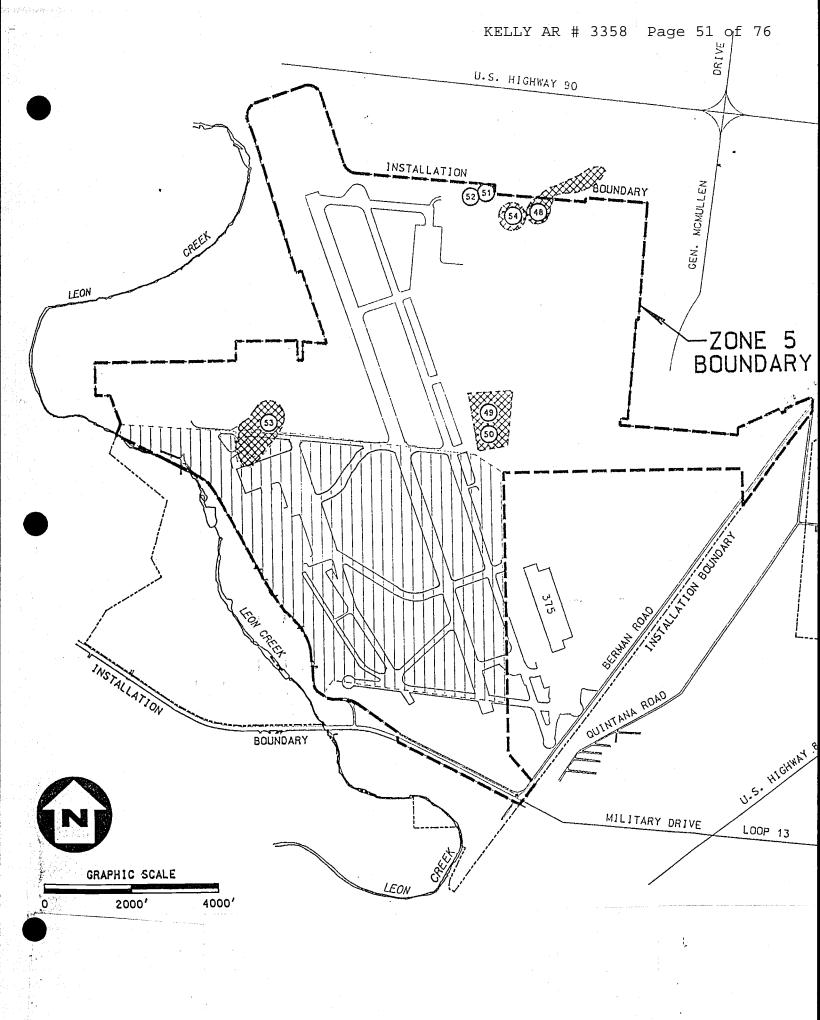


Figure 1.3. Site Map, Kelly AFB, San Antonio, Texas.



Zone 5 Overview

- * Zone 5 Project Manager
 - * Mike Patterson
- * Zone 5 Covers Approx. 2,500 Acres
 - * Approx. 54% of Kelly AFB's Total Acreage
- * 2 Non IRP Spill Sites
 - * 1100 Area
 - * 1500 Area
- * 6 IRP Sites in Zone 5
 - * 5 Spill Sites (IS-1, S-1, S-5, S-10, and SS-050)
 - * Groundwater Zone 5 (SS-053)

Zone 5 Historical Uses

- * Site S-5: Former Aqua Fuels System
- * Site S-10: Former Small Aircraft

 Maintenance Area
- * Site IS-1: Former Solvent Still Site
- * Site OT-050: Groundwater Contamination Associated with Site IS-1
- * Site S-1: Former Waste Oil Storage Facility

Zone 5 Past Investigations and Projects

Remedial Investigations / Feasibility Studies

- * Completed S-5 RI/FS
- * Completed S-1 RI
- * Completed S-1 FFS

Site Closures

* 1 Site proposed for No Further Action (IS-1)

Removal Actions

* 1 Removal Action Completed (Site S-5)

Zone 5 Past Investigations and Projects

Remedial Actions (Petroleum Storage Tank Closures)

- * 1500 Area Fuel Spill
 - * Installed Bioventing System
- * 1100 Area Fuel Spill
 - * Installed Groundwater Extraction w/ Air Stripper
 - * Installed Soil Vapor Extraction System
 - * Installed Bioventing System

Zone 5 Current Investigations and Projects

Remedial Investigations / Feasibility Studies

* Groundwater Zone 5 RI/FS

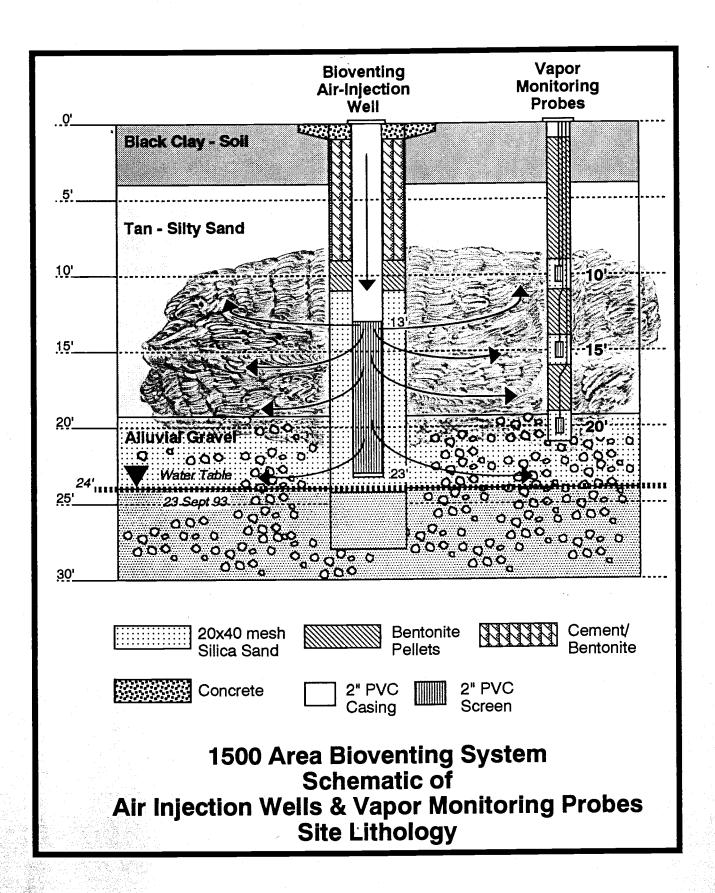
Interim Remedial Actions

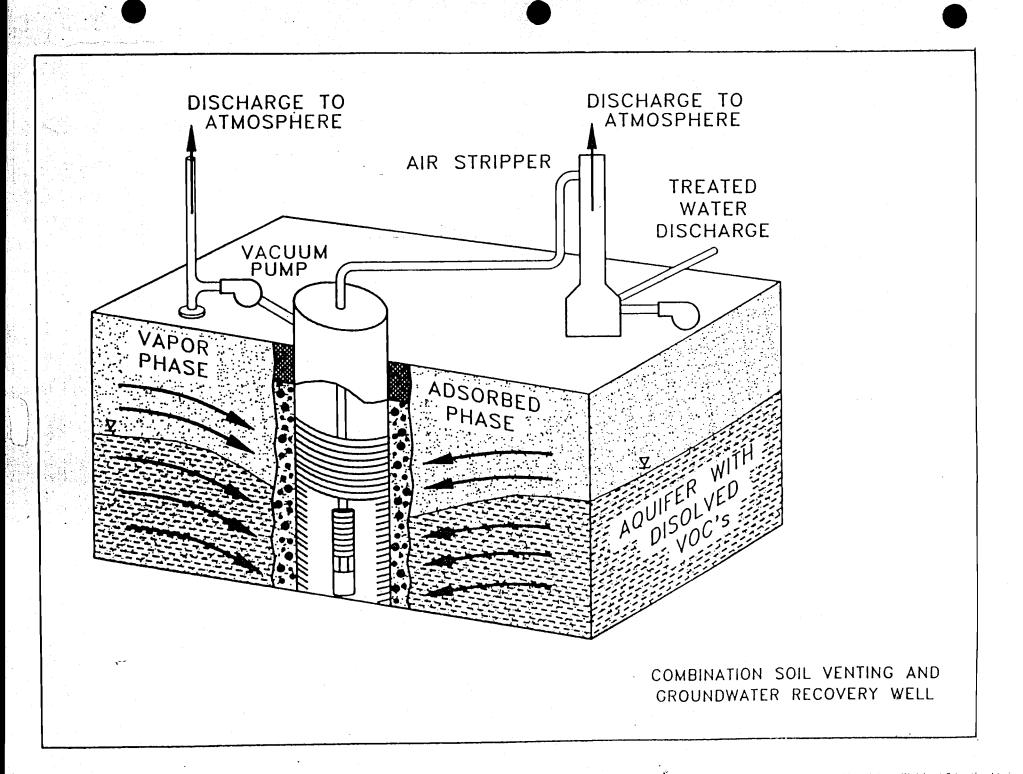
- * Site S-1
 - * Construction to start 09 Jan 95

Zone 5 Future Projects

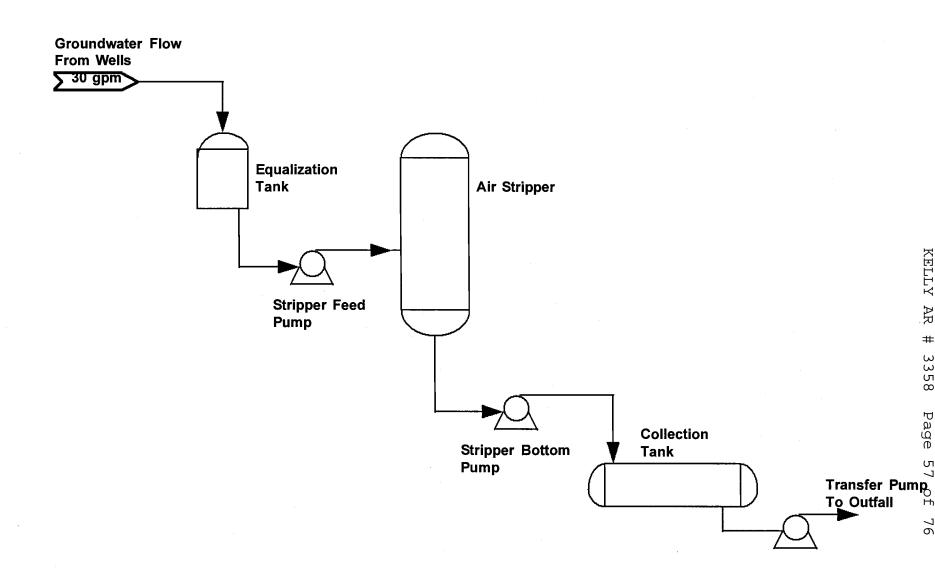
Remedial Investigations / Feasibility Studies

- * Zone 5 RI/FS
 - * Zone 5 RI FY 95/96
 - * Zone 5 FS FY 96/97
- * Remedial Designs
 - * FY 98 Groundwater Zone 5
- * Remedial Actions
 - * FY 98/99 Sites Not Closed During the FS





SITE S-1 PUMP & TREAT



KELLY

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Storage Tank Program Status

January 5, 1995

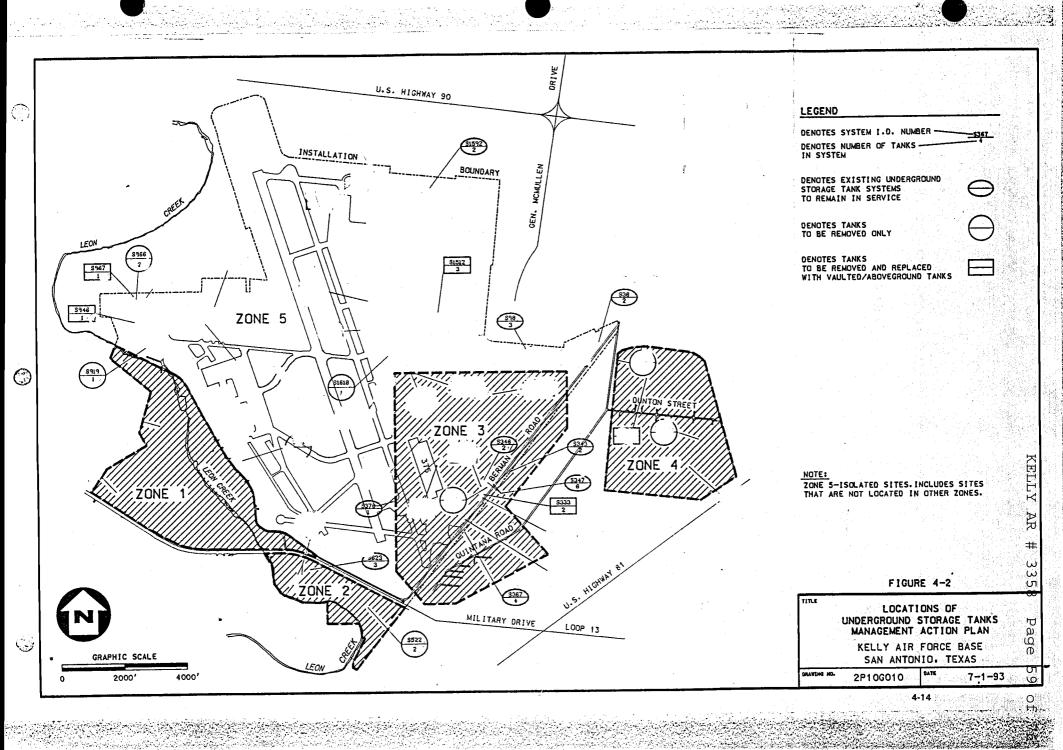
Storage Tank Program Overview

Storage Tank Team

- * Don Ficklen
- * Jerry Arriaga
- **※ Joe Ebert**

188 Underground Storage Tanks (USTs)

31 USTs still in operation



The second of th

Storage Tank Program Overview

- * Tank Systems on Kelly AFB are managed according to their status:
- * Active systems by EMC (Gary Goodman)
- * Inactive Systems by EMRO

Storage Tank Program Current Status

- * >130 USTs Removed from 1990 to Present
- * 18 USTs to be Removed in Fiscal Year 95
- * 22 USTs were Upgraded by Dec 94
- * 32 USTs were Tested by Dec 94

Scheduled Tank Removals Current Status

- * Military Construction UST Removal and/or Replacement Project
 - * 30 UST Removals
 - * 13 Vault/AST Installations
- * All fieldwork is completed.

Scheduled Tank Removals Current Status

- * SWMU UST Removal/Replacement Projects
 - * To Be Completed: 17 UST Removals
 3 Replacements
 - * Completed: 6 UST Removals
- * SWMU Partial Facility Closures: 9 Sites

Scheduled Tank Removals Current Status

- *** PST UST Removals:**
 - * To Be Complete: 8 UST Removals
- * PST Site Assessment Closures:
 - * To Be Completed: 8 Sites

Compliance Activity Schedule Current Status

- * Spill/Overfill Protection and Automatic Tank Gauging Upgrades complete by Dec 94:
 - *9 Tank Systems
- * Tank Tightness Testing complete by Dec 94:
 - *13 Tank Systems

Leon Creek Study

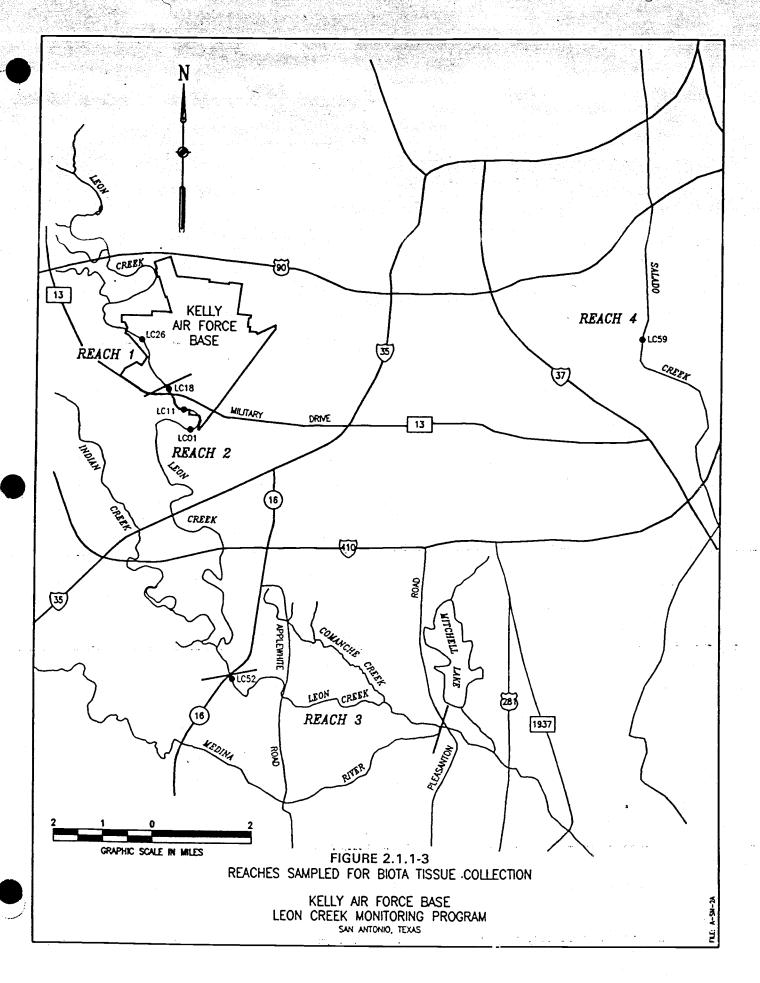
January 5, 1995

Leon Creek Study Purpose

- * To evaluate the conditions of the creek, and to determine if the conditions in or around the creek pose any impact to human health or the environment.
- * The areas that were focused on included:
 - * Physical conditions
 - * Biological conditions
 - * Chemical conditions
- * Data collected from 3 sampling sets.

Leon Creek Study Conclusions

- * The study shows very minor impacts to ecological health. This is no different from impacts to other streams in the area exposed to urbanization.
- * Some chemicals were entering Leon Creek from the groundwater near IRP sites. Some groundwater containment systems have been installed at certain areas to control this groundwater flow.
- * The conditions in Leon Creek do not pose actual human health concerns, but rather show potential impacts for a worst-case (RME) scenario.
- * Leon Creek monitoring will continue with information being updated to off-base neignbors.



Budgetary Process Installation Restoration Program

January 5, 1995

Budgetary Process Procedural Steps Draft budget prepared and presented **Preliminary Budget** Phase I to the RAB for coordination in the Kelly AFB May 1995 timeframe. Final budget submitted to HQ AFMC Final Budget Submittal Phase II for review and approval. Coordination HQ AFMC/CEVR begins in June 1995 with approval usually in August 1995. Approved budget submitted to the Pentagon (HQ USAF) for validation Validated Budget Phase III HQ USAF/CEVR in September 1995. Validated budget in October 1995 Funding Received Phase IV with funding received Kelly AFB in November 1995.

Budgetary Process Current Policy

- * Current Fiscal Year 1995 Air Force Policy Guidance on the IRP:
- * Due to shrinking environmental budgets/dollars, the focus is on cleanup actions.
 - * Each military base has to provide their budget with at least 60 percent towards cleanup actions.
 - * Use of Relative Risk Rating as a priority tool
 - * High Medium Low Rating
 - * Do High Rated Sites first and reduce to Low

Budgetary Process Budget Requirements

- * Prior Fiscal Year Funding (1983-1994)
 - * Investigation, O&M and Basewide \$49 million
 - * Cleanup actions \$25 million
 - * Storage Tanks \$12 million
- * Current Fiscal Year 1995 Requirements
 - * Remedial Design Zone 3
 - * Remedial Design Zone 2
 - * Remedial Design Zone 1
 - * Investigation/Study Zone 4
 - * Investigation/Study Zone 5

Budgetary Process Budget Requirements

- * Projected Budgetary Requirements
- * Fiscal Years 1996-1997
 - * Cleanup actions
 - * Zone 1, 2, and 3
 - * Feasibility Studies
 - * Zones 4 and 5
- * Fiscal Years 1998-1999
 - * Remedial Design Zones 4 and 5
 - * Cleanup Actions Zones 4 and 5

Contracting Process

January 5, 1995

Contracting Process Overview

Existing Contracts

* Architect-Engineer: From PA through Design, Estimated \$24.9 Million

One Year with 2 One-Year Options

- * CH2M Hill
- * EA Engineering, Science and Technology
- * Metcalf & Eddy
- * Science Applications International Corp.

Contracting Process Overview

Existing Contracts

- * Remedial Action: Construction, Estimated \$195 Million
 - One Year with 4 One-Year Options
 - * Chemical Waste Management
 - * Halliburton NUS Corp
 - * Foster Wheeler
 - * Ogden Environmental & Energy Services

Contracting Issues Overview

- * Federal Acquisition Regulations (FAR)
- * A-E Selection Process
- * Source Selection Process
- * "Standard" Acquisition Process
- * Release of Information
 - * Freedom of Information Act
 - * Procurement Integrity FAR 3.104

Spill Prevention Procedures

January 5, 1995

Spill Response Overview

- * Spill Response Point of Contact
 - * Jerry Pantoja
- * Annual Training for All Responders
- * HAZMAT Response Team
 - * 20 HAZMAT trained and equipped Fire Department personnel
 - * Lead Responsibility to respond to and contain spills
 - * On duty at the base at all times

Spill Response Overview

- * Spill Response Team
 - * Primary function is spill cleanup
 - * Fully HAZMAT equipped and trained including operation of heavy equipment
- * Other Base Resources Available
- * HAZMAT Exercises
 - * Preparedness for Response Exercise Program
 - * Involved in community exercises at least annually
- * Mutual Support Agreement with COSA

Spill Prevention Overview

- * Secondary Containment
- * Annual Training for All Personnel Handling HAZMATs
- * Chemical Authorization System
- * Inspections
 - * Daily inspections of tank systems
 - * ECAMP
 - * KEEP
- * Operating Procedures and Technical Orders
- * Spill Contingency Planning

Public Affairs Activites

January 5, 1995

Public Affairs Resources

- * Public Meetings.
- * Progress Reports/direct mail products.
- * News Releases and Media Visits.
- * Tours and talks for various groups.
- * Trifold Brochure and Fact Sheets.
- * Support to RAB membership.

Telling the RAB Story



- * Channel 12 coverage of last RAB meeting.
- * Channel 60 (Spanish) coverage of program.

Public Affairs Coming Events

- * Installation of Pump & Treat Systems as Interim Removal Actions (Sites S-1, S-4, MP).
- * Public Meeting and Public Comment periods for Zones 3, 2 and 1 groundwater cleanups.
- *** Expanded mailing list (10,000 vs. 2,500).**
- * Continued support to RAB activities.

Who shall I call?

- * Dick Walters, 925-1812 (Building 305)
- * Mike Estrada, 925-7951 (Building 1635)
- * At night or weekends, call 925-6906

Summary

January 5, 1995

Summary/Closing Overview

- * Listing of Action Items
- * RAB Meeting 30 Jan 95
- * Workshop Adjourned

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE