



KELLY AFB
TEXAS

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 3305

KELLY AIR FORCE BASE TECHNICAL REVIEW SUBCOMITTEE

MEETING AGENDA Tuesday, July 21, 1998 @ 6:30 P.M. Garni Hall, Room 217, St. Mary's University

Topic	Time	Presenter
I. Introduction	6:30 - 6:40	Damian Sandoval
1. Agenda Review		
2. Approve TRS Minutes -23 June 1998		
II. Zone 4 Soil Boring and Groundwater Screening Data	6:40 - 7:00	Joe Ebert
III. Air Sampling Results for Building 1592	7:00 - 7:15	1Lt Fitzgerald
IV. Document Submittal Schedule	7:15 - 7:30	Maj. de Venoge
REAK	BREAK	BREAK
	7:30 - 7:45	ALL
1998 Basewide Remedial Assessment	7:45 - 8:15	Mark Stough Kelly AFB
VI. Round Table Discussions		
(TRS Ongoing Issues - 3-5 minute discussions)	8:15- 9:30	
1. North Kelly Gardens Report		David Johnson
2. KAFB Web Page		Maj. de Venoge
3. Zone 4 FFS Comments for SS-040 and SS-051 (Submittal to TRS)		Maj. de Venoge
4. Off-base Groundwater Delineation (North Kelly Gardens, etc.)		George Rice
5. Report on TNRCC Risk Reduction Program Training		Sam Sanchez
6. Update on Health Issues Related to KAFB Restoration		Sam Sanchez
7. Future KAFB Zone, Restoration and Re-use Issues		Dean Pound
8. 1998 KAFB RAB Site Tour		Damian Sandoval
9. Video Broadcast of RAB Discussions, Special Topics, etc.		Damian Sandoval
10. Solicit Topics for TRS and/or RAB Meeting		Damian Sandoval
VII. Action Items/Summary	9:30 - 9:45	Damian Sandoval
VIII. Adjournment	9:45	Damian Sandoval

MEMORANDUM

TO: KAFB RAB TRS

DATE: August 4, 1998

FROM: M. Damian Sandoval

SUBJECT: 21 July 1998 KAFB RAB TRS Meeting

I. Introduction

The Kelly Air Force Base (KAFB) Restoration Advisory Board (RAB) Technical Review Subcommittee (TRS) met on Tuesday, 21 July 1998 at 6:30 P.M. in Room 217, Garni Hall, St. Mary's University. RAB, TRS members and members of the community in attendance are noted on the TRS Meeting Attendance List, Attachment 1. The meeting agenda is presented as Attachment 2.

Mr. Sandoval commenced the meeting proceedings reviewing the TRS Agenda items and welcoming TRS members and guests. Mr. Sandoval briefly reviewed the following agenda topics; Zone 4 Preliminary Soil and Groundwater Data, Air Sampling Results for Building 1592, Document Submittal Schedule, and the 1997 Basewide Remedial Assessment (Groundwater) Report and the Roundtable Discussion Items.

II. Zone 4 Preliminary Soil and Groundwater Data

Mr. Ebert presented the preliminary soil and groundwater data obtained during the expanded, radial investigation south and east of Zone 4 (East Kelly). Mr. Ebert stated that a total of 30 soil borings and 15 monitoring wells were installed and sampled for chlorinated solvents. The preliminary results ~~preliminary~~ indicate that low levels of contaminants may exit past previously anticipated areas. The potential areas of impact now extend to Ansley Road on the south, Roosevelt Avenue on the east and U.S. 90 on the north.

Action Item:

1. Mr. Ebert will provide additional monitoring well data at the next TRS meeting.
2. KAFB will review all data and inform the TRS when they will officially present this information to the public.
- 4-3. Upon validation, KAFB will revise the general contamination map to include the new Zone 4 data and the additional results of the 1997 and 1998 Basewide Remedial Assessment (BRA) Report.

III. Air Sampling Results for Building 1592

Lt. Fitzgerald of KAFB presented the air sampling results collected during this vapor survey and fugitive emissions study for the Building 1592 area. (See Attachment 3). The vapor release detection test assessed if leaks occurred at mechanical junctions and/or connections. The fugitive emissions study assessed downwind impacts due to normal filling and transferring fuel operations. The fugitive emissions used a predictable wind direction model to physically place air monitoring devices that recorded data during the 24 hour test.

Lt. Fitzgerald also stated that the large tank, Tank 73, was drained and would be removed by October 1999.

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Action Item:

1. KAFB to submit a copy of this report to the TNRCC for review and comment.
2. TNRCC to provide a report/response to the conclusions stated in this report.
- 2-3. George Rice to review and comment on this report.

IV. Document Submittal

Mr. William Ryan of KAFB stated that he would like to briefly discuss this issue, however, KAFB planned to submit a schedule of documents to be released at the next RAB. Mr. Ryan stated that the Draft Final of Site MP would be available in July 1998, and the 1998 BRA would be available in early fall of 1998.

Action Item:

1. KAFB will provide a document submittal schedule to the RAB at the 29 July 98 meeting.

V. 1997 and 1998 Basewide Remedial Assessment

Representative of CH2M Hill presented a brief synopsis of the BRA program and summarized the results of the 1997 and 1998 BRA (See Attachment D). The 1997 BRA was submitted to the RAB at the June TRS meeting. The 1998 BRA Report will be finalized and submitted early fall 1998.

Action Item:

1. KAFB will submit a copy of the 1997 BRA Executive Summary to all TRS members at the next meeting.

VI. Round Table Discussions

1. North Kelly Gardens Report

Mr. David Johnson was not present at the TRS meeting and could not report on this issue.

2. Web Page

Mr. Ryan stated that KAFB was moving forward on the revision/modification to the WEB Page. Major de Venoge will continue to update the TRS at appropriate TRS meetings.

3. Zone 4 FFS Comments on the SS-040 and SS-051

KAFB provided a responsiveness summary containing the response to questions submitted by the TRS.

4. Off-Base Groundwater Delineation

Mr. Rice will summarize the areas of concern regarding data gaps of off-site plume delineation at KAFB.

5. Report on TNRCC Risk Reduction Program

Mr. San Sanchez summarized the topics presented at the TNRCC conference conducted in May 1998. Mr. Sanchez stated that the presentation was focused on consultants and other regulators. However, several issues and how they will relate to KAFB were apparent. Mr. Sanchez recommended that the TRS request a more specific, detailed presentation on the proposed risk rules from the TNRCC at an upcoming TRS meeting.

Action Item:

1. TNRCC to make presentation concerning new rules at an upcoming TRS meeting.

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6. Update on Health Issues Related to KAFB Restoration

Mr. Sanchez stated that the ATSDR would submit a draft of the North Kelly Gardens Report late August of 1998. Mr. Sanchez also stated that ATSDR would probably conduct an outreach/public forum to present and discuss this issue.

7. Future KAFB Zone, Restoration and Re-use Area

Mr. Dean Pound summarized the potential impact of the private Vs. the public bidder to secure the jet propulsion area. Mr. Pound also summarized some of the challenges regarding the transitioning of the Industrial Wastewater Treatment Facility and others due to DOD regulations and requirements concurring real-estate properties.

Action Item:

1. Mr. Pound would arrange a member of his staff to update the TRS on the failed double-walled piping system and accidental release into the environment.

VII. Report from the Chairman

A. 1998 Kelly AFB RAB Site Tour

Mr. Sandoval stated that the TRS should consider touring KAFB once a year to physical walk and see the information and sites the TRS reviews on a monthly basis. The TRS should also consider reviewing site in different programmatic stages (i.e. Feasibility Study sites, Interim Action Sites and non further action sites). The TRS should discuss this issue at the next TRS meeting (AA).

B. Video Broadcast of RAB Discussion

Mr. Sandoval stated that initial discussion of taping or broadcasting appropriate RAB meetings was continuing with Mr. Walters of the Public Affairs Office. Appropriate discussions with General Murdock regarding this issue may be required (AA).

C. Solicitation of TRS/RAB Agenda Topics

Mr. Sandoval requested that RAB members provided suggested presentations and/or topics for consideration as agenda items. All RAB members should provide this information no later than three (3) weeks before a meeting.

VII. Action Items/Summary

Mr. Sandoval thanked EPA for attending this meeting to demonstrate their commmentate to the local community to deal with environmental issues at KAFB.

Mr. Sandoval concluded the meeting by asking each TRS member if they had further questions, comments or suggestions to add to the TRS Meeting. Mr. Sandoval stated that the next TRS Meeting would be held again in Room 217, Garni Hall, St. Mary's on August 25, 1998. A motion was presented and adopted to terminate this meeting at 9:45 P.M.

Action Items/Summary

The following list of action items and corresponding individuals/agencies responsible for completion of each item were derived as a result of the TRS Meeting.

General and Miscellaneous - Mr. Sandoval

1. Continue to discuss the issue of EPA not attending TRS meetings with General Childress.
- ~~3-~~2. Mr. Sandoval will work with KAFB to develop an appropriate October RAB agenda.
- 4-3. Request that each RAB member obtain and submit the name of an alternate.
- ~~5-~~4. Discuss the appropriate KAFB Tour considerations at the next RAB meeting.

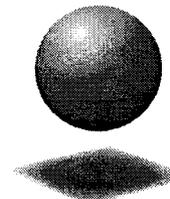
Technical Action Items - KAFB/Major. de Venoge or other Staff

1. Major deVenoge will update the TRS Action Item Status Tracking Sheet.
2. Mr. Ebert will provide additional monitoring well data at the next TRS meeting.
- ~~4-~~3. KAFB will review all data and inform the TRS when they will officially present this information to the public.
- ~~6-~~4. Upon validation, KAFB will revise the general contamination map to include the new Zone 4 data and the additional results of the 1997 and 1998 Basewide Remedial Assessment (BRA) Report.
- ~~7-~~5. KAFB to submit a copy of the Building 1592 Air Sampling Report to the TNRCC for review and comment.
- ~~6-~~6. TNRCC to provide a report/response to the conclusions stated in this report.
7. George Rice to review and comment on the air sampling report for the Building 1592 Area.
8. Mr. Pound would arrange a member of his staff to update the TRS on the failed double-walled piping system and accidental release into the environment.
- ~~11-~~9. Mr. Rice will develop a letter concurring potential "fatal flaws" used in the groundwater modeling program for Zone 4.
- ~~12-~~10. Mr. Sandoval will coordinate a meeting with General Childress to discuss Zone 3.
- ~~13-~~11. KAFB will submit a copy of the 1997 BRA Executive Summary to all TRS members.
- ~~14-~~12. TNRCC to make presentation concerning new rules at an upcoming TRS meeting.

Agenda Item	Description	Summary of Activity
II	Zone 3	
A.	Proposed Plan	Copy of Plan handed out at May meeting of the TRS.
B.	Decision Document -- DD (Status)	In draft. DD is an internal AF document that is placed in the public information repository
C.	Groundwater Model Presentation (WPI)	The groundwater model for the Qunitana Road culvert project will be presented at the TRS. Handouts were sent out electronically and hand delivered in some cases.
IV.	Kelly Updates	
A.	Kelly AFB Web Page	The Web Page is still in the process of being revised, and is estimated to take a few more weeks to post an interim fix to the outdated information. Much of the interim fix will involve removing old info that is no longer valid. The future direction is to simplify the web page, as any further complexity will: 1) interfere with the communication process, and 2) cause a continual "update" delay -- two things we want to avoid. After the interim fix is in place, a second update will be accomplished. We will ask the TRS and RAB to comment on the Interim fix and use those comments in designing the second update.
B.	Zone 4 Monitoring Well Construction Details and Update	Contractor will use the Kelly AFB TSD (Technical Specifications Document) containing standard well design technical specifications. These requirements will be contained in the work plan. An approach document was previously signed by the regulators on how to proceed with the delineation of the off base plume. An update of the activity is attached (Atch #1)
C.	1998 Basewide Remedial Assessment Preview and Schedule	See atch #2
D.	Kelly AFB Air and Noise Issues -- Relationship to BRAC Restoration	Need clarification. These areas do not directly apply to cleanup of soil and groundwater
E.	Zone 4 FFS Comments for SS-040 and SS051 (Status)	The Responsiveness Summary to the proposed plan includes the comments and responses to the TRS. This document is in the Library. The DD (Decision Document) is also final for Zone 4 OU1 GW and awaiting signature by the Commander. The DD will also be placed in the library.
VII.	Action Items	
	<p><u>Proposed Monitoring Wells-</u> <u>Zone 4:</u> 1. Clarify the use and requirement of risk assessment in this work plan and how it relates to the schedule.</p>	<p>The work plan does not require a risk assessment -- this will be done as part of the OU2 Remedial Investigation (RI).</p>

	<p>2. Provide the groundwater modeling information used to identify the proposed well locations to Mr. Rice. Upon review, Mr. Rice will brief the TRS at the 19 May 98 meeting.</p>	<p>The purpose of the modeling information provided during the April TRS was to estimate the horizontal distances where well placement would be desirable -- not to pinpoint exact (or even approximate) locations for placement of wells. The modeling information <u>may</u> be included in the work plan by the contractor, but is not critical to project completion, and was not requested. In short, the model used by the contractor served its purpose -- estimate where to start looking.</p>
	<p>3. Identify the size of wells and construction materials that will be used during well installations.</p>	<p>Specified in the TSD. Probably 2 inch Stainless steel.</p>
	<p>4. Provide a revised project schedule and identify when the results would be available to the TRS.</p>	<p>see Atch #3</p>
	<p>5. Why are we not collecting any metals data from any of these wells if nothing more than a measurement of background data?</p>	<p>Purpose of the project is to find the extent of the VOCs. Kelly has well established soil background values.</p>
	<p><u>Zone 3 ROD/DD</u></p>	
	<p>1. KAFB would discuss the results and requirements of the meeting held with Gen. Childress and provide a status at the next TRS meeting.</p>	<p>Discussed above. DD is in draft.</p>
	<p>2. Determine if the Zone 3 ROD/DD is draft or final.</p>	<p>same</p>
	<p>3. Provide a schedule on the submittal or transition on the Zone 3 ROD/DD.</p>	<p>DD should be final by end of July</p>
	<p>4. Provide status briefing on the Zone 3 ROD/DD at the next TRS Meeting</p>	<p>Agree</p>
	<p><u>Results of Groundwater Sampling on Mr. Quintanilla's Property - KAFB/Mr. Rice</u></p>	
	<p>1. Further review of this information in regards to off-base contamination in Zone 3.</p>	<p>Kelly AFB has no comment on this matter. There is an ongoing lawsuit between DOJ and Mr. Quintanilla.</p>

Annual Basewide Sampling Projects at Kelly AFB, San Antonio, TX



CH2MHILL

Annual Basewide Sampling 1997 & 1998

- The primary purpose of the Annual Sampling Event is to assess the magnitude and extent of groundwater contaminant plumes and evaluate the effectiveness of ongoing remedial activities in improving the quality of the groundwater in the shallow aquifer.



Historical Annual Basewide Sampling 1994-1998

- 1994 - 400 wells (Selected by Kelly AFB)
- 1995 - 408 wells total (including 250 BRA, 3 Zone 4 RI, 131 Zone 5 RI, and 24 O&M)
- 1996 - 420 wells
- 1997 - 552 wells total (including 420 BRA, and 132 Zone 5 FS)
- 1998 - 414 wells, Zone 4 and Zone 5 wells



CH2MHILL

1997 BRA Contaminant D1 Maps

- PCE, TCE, DCE and Vinyl Chloride
- Chlorobenzene and Benzene
- Arsenic
- Nickel and Chromium



CH2MHILL

1998 Basewide Annual

- Annual Sampling - 414 wells
- VOCs, SVOCs, and Metals
- Sampled May 5 - June 17, 1998
- All lab results received July 16, 1998
- Result data currently being validated and QC'd by chemists



1998 Basewide Annual

- Validated and QC'd results in database by mid-August
- Draft Annual plume maps by mid-September




Air Quality Impact of JP-8 Emissions from System 1592 on North Kelly Gardens

Brian M. Fitzgerald, Lt, USAF, BSC

ENVIRONMENTAL MANAGEMENT
SAN ANTONIO AIR LOGISTICS CENTER
KELLY AFB TEXAS
21 July 1998




OUTLINE

- ◆ Purpose of study
- ◆ Background
- ◆ Fugitive Emissions Survey
- ◆ Ambient Air Survey
- ◆ Risk Assessment




PURPOSE OF STUDY

- ◆ Characterize and determine JP-8 hydrocarbon concentrations in NKG during System 1592 operations
- ◆ Estimate contribution of System 1592 operations to ambient hydrocarbon concentrations in NKG
- ◆ Determine any potential risks due to emissions




BACKGROUND

- ◆ Delivery
 - Commercial trucks: 7.6k gal.
- ◆ Storage
 - Tanks 11072 & 11073: 420k gal.
 - Tank 11071: 2.3M gal.
- ◆ Dispersion
 - underground distribution
 - transfer trucks: 5.5k gal.




BACKGROUND

- ◆ Operations
 - depends on fuel demands
 - Minimum: 8 trucks/week
 - Maximum: 13 trucks/day
- ◆ Current Status
 - Tank 73 has been completely drained
 - planned for removal by Oct 99

Believe this date is correct




FUGITIVE EMISSIONS SURVEY

- ◆ Purpose
 - locate vapor leaks
 - estimate actual release rates during Scenarios 1-3
 - two phases
 - hydrant pump station
 - fuel transfer operations



FUGITIVE EMISSIONS SURVEY



- ◆ Hydrant Pump Station
 - EPA approved screening methods (NIOSH 1550) used to determine fugitive emissions from components of the pump station
 - Results
 - All concentrations were < 100 ppm.
 - EPA standards consider all components with organic vapor concentrations less than 1000 ppm to be "well maintained"



FUGITIVE EMISSIONS SURVEY



- ◆ Fuel Transfer Operations
 - Four hour test conducted with Scenarios 1-3 operating
 - Samples taken:
 - fenceline
 - background
 - event samples (upwind and downwind)
 - tank seals (between tank wall and roof)



FUGITIVE EMISSIONS SURVEY



- ◆ Results
 - air concentrations at the fenceline for all of the individual JP-8 chemical species (including benzene) were well below all established health risk levels
 - identified scenario which indicates worst-case scenarios to use for ambient air study
 - Scenarios 1 & 3 (simultaneously)



AMBIENT AIR SURVEY



- ◆ Sampling locations
 - determined using computer model (ISCST2)
 - worst-case environmental conditions
 - worst-case release rates from fugitive study
 - NKG locations:
 - background
 - 50m (centerline)
 - 100m (W, NW, N, NE, E)
 - 300 m (W, NW, centerline, NE, E)
 - 600m (centerline)



AMBIENT AIR SURVEY



- ◆ Sampling event
 - steady-state, worst-case operations while fuel transfer was taking place
 - 4 hr. and 24 hr. samples taken
- ◆ Results
 - reference the final report



RISK ASSESSMENT



- ◆ The cumulative addition of the individual chemical species detected in NKG does not pose health risk
- ◆ "Benzene concentrations are very similar, perhaps even slightly lower than, levels typically found in urban areas throughout the country"

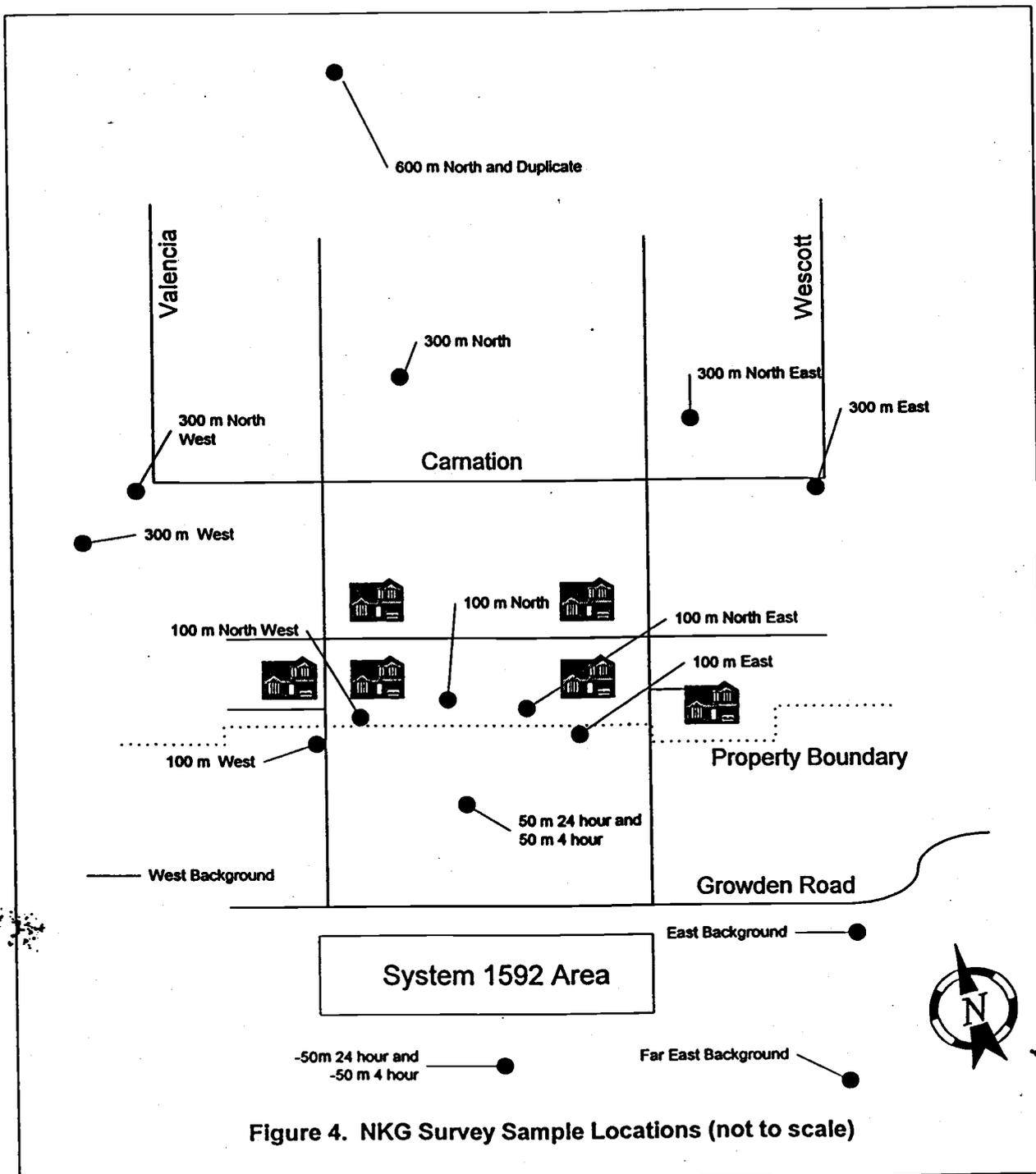


Figure 4. NKG Survey Sample Locations (not to scale)

CH2M Hill

-29-

SwRI Project 01-1116

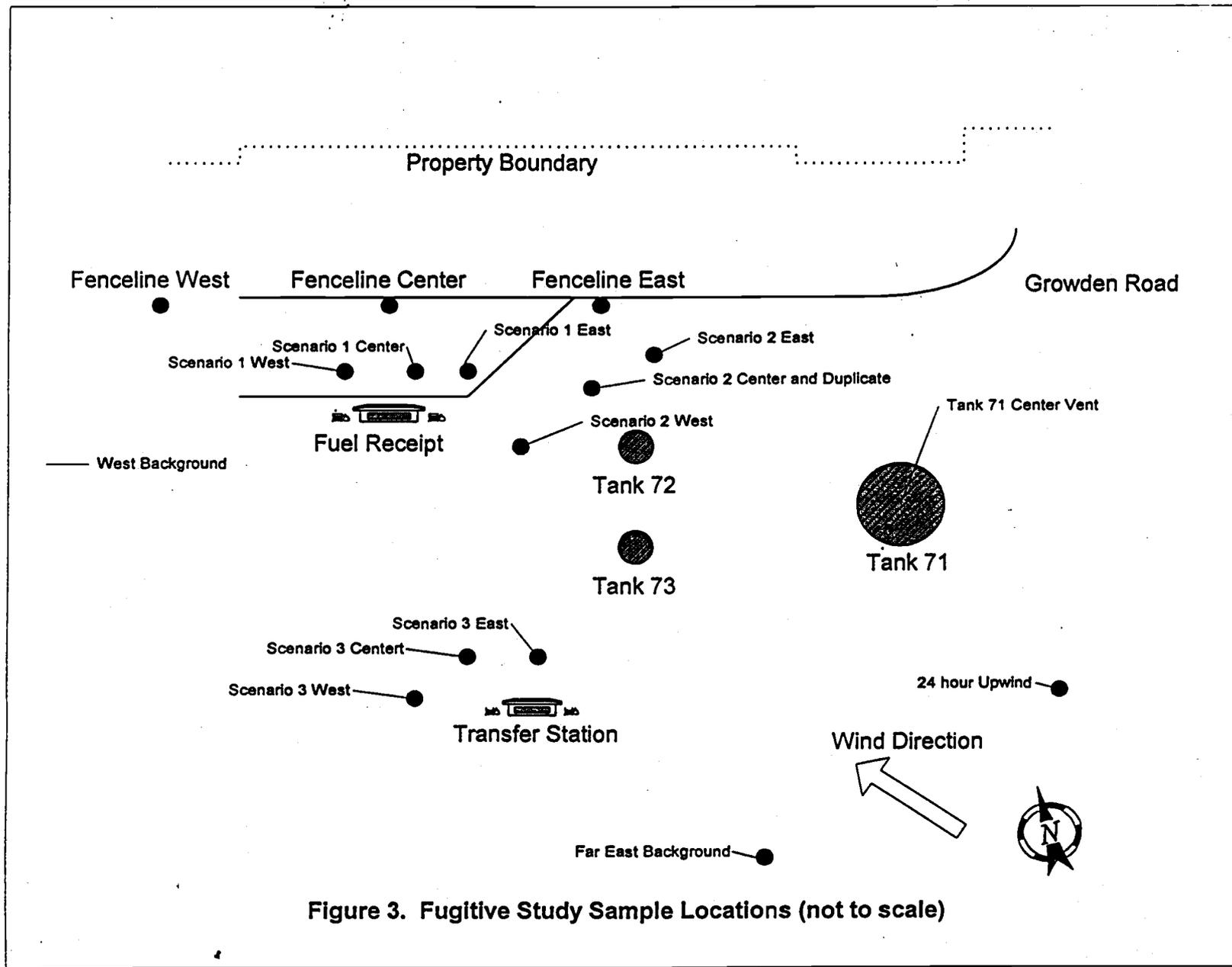


Figure 3. Fugitive Study Sample Locations (not to scale)

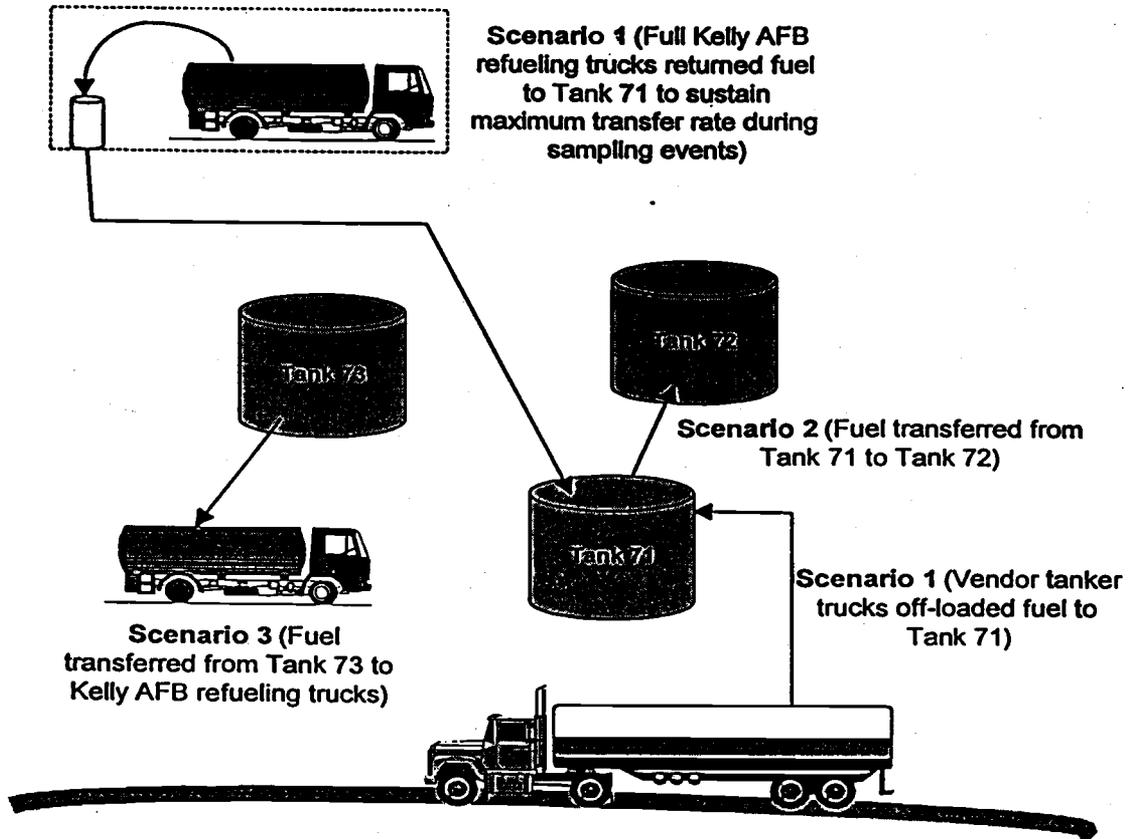


Figure 2. Operational Scenarios Evaluated

Summary of 23 June TRS Action Items for Kelly AFB

Agenda Item	Description	Summary of Activity					POC
II	Zone 4 Soil Boring and Groundwater Screening Data	Presentation by Joe Ebert					Ebert
III	Air Sampling Results for Building 1592	Presentation by Lt. Fitzgerald					Fitzgerald
IV	Document Submittal Schedule	A list will be handed out at the TRS of IRP documents expected to be delivered within the next 12 months. These documents will be delivered to the RAB.					Branch Chiefs to Skrobarcek
V.	1998 Basewide Remedial Assessment	Presentation by Mark Stough or CH2M Hill					Stough
VI	Round Table Discussions						
	B. Kelly AFB Web Page	No Update					McGhee
	C. Zone 4 FFS Comments for SS 040 and SS051 (Submittal to TRS)	The Responsiveness Summary (RS) to the proposed plan includes the comments and responses to the TRS. The RS has been incorporated into the Decision Document for Zone 4 - SS040 and SS051 IRAs, which is being routed for signature by the Commander. A letter will be sent to the TRS Chairman with a copy of the RS attached. C18					Ebert / Mata
VII.	Action Items						
	Technical Action Items - KAFB						
	1. Update the TRS Action Item Report (this report)	Done: Note, this report was developed last month for Kelly AFB items only. Updates here are only for Kelly items.					de Venoge
	2. Provide the response to comments directly to the TRS on SS040 and SS051	See "VI.C." above					Ebert
	3. Coordinate Technical Presentations	Done - Presentations as noted above under II.					de Venoge
	4. Respond to Air and Noise Action Items						
	- Provide a summary of air and resulting soil contamination in accordance with the work at Building 1592.	Verbal response to be provided to the TRS					Fitzgerald
	- Indicate where the results of previous stack sampling or incineration burning that may have resulted in off-site air migration of contaminated soil.	No data exists to support off site migration of soil contamination as a result of incineration					
	- Indicate how air and noise (compliance) issues are managed (office, personnel, contact phone numbers).	Verbal response to be provided to the TRS					Fitzgerald
	5. Address the Following Zone 3 Contamination Questions	The following responses assume that the questions are referring to the COSA stormwater culvert project along Bynum and McLaughlin.					Bueller
	- What happens when groundwater contamination is encountered at twenty-five (25) feet below the surface?	Any groundwater encountered during the stormwater culvert project, will be pumped to the KAFB groundwater treatment plant through existing infrastructure.					Bueller
	- Disposal and management options for soil and groundwater encountered during construction?	KAFB is responsible for the disposal of saturated soils only. COSA is responsible for the disposal of all other soils. The saturated soils will be transported directly from the site to the soil storage facility located on KAFB. The soils will be analyzed and disposed of according to TNRC regulations. KAFB will track the disposal of all saturated soils.					Bueller
	- Have and/or will subsidence test be conducted for this area?	KAFB recently completed a subsidence study as part of the Basewide Remedial Assessment. A copy of the report will be placed in the information repository.					Bueller
	- How long before contaminated groundwater is returned to it's natural state?	KAFB is in the process of developing a fate and transport model that will be able to address this question.					Bueller
	- How credible is this model?	We are assuming that the question refers to the model presented at the last TRS. The model used widely accepted methods.					Bueller
	- Will the culvert design have a contingency plan for construction design failure?	KAFB did not prepare the design of the storm water culvert. COSA has installed a number of large culverts and probably has considered such a contingency. We must remember that the culvert project is a city project.					Bueller

Summary of 23 June TRS Action Items for Kelly AFB

	<p>- Where and when will groundwater, off-site issues associated with areas south of the culvert project be assessed?</p>	<p>Because the contaminant levels in the area are at or near the MCL, we are working with the TNRCC to determine the number, if any, of additional monitoring wells that will be required for the area. If additional wells are to be installed, they will be completed in late summer or early fall.</p>					<p>Bueller</p>
	<p>6. Other information on the affects and programmatic changes now due to following the RCRA process as opposed to the IRP/CERCLA-like process.</p>	<p>Programmatically, the IRP and RCRA process are very similar. Nomenclature of some of the new documents will change to reflect the RCRA terminology. One significant impact is the new public participation requirements which take place later in the RCRA process.</p>					<p>de Venoge</p>
	<p>7. Information on how final recommended, feasibility alternatives are modified or de selected based upon new data?</p>	<p>New data is constantly being collected. In most cases the data does not change the recommended alternative but refines the site conceptual model to optimize the remedial action design and construction. These refinements are captured in documents prepared later in the IRP and RCRA process.</p>					<p>de Venoge</p>

TALKING PAPER

ON

SYSTEM 1592 JP-8 Emission Study

- The purpose of the study was to determine the emissions of JP-8 from the Kelly AFB Fuel Storage and Distribution Facility and their impact on the air quality in North Kelly Gardens (NKG) in response to community concerns regarding JP-8 vapors during fuel storage and transfer.
- The sampling and analysis plan and air monitoring was conducted by Southwest Research Institute with consultation from Air Force scientists, engineers and CH2M HILL.
- Continuous monitoring and solid sorbent collection, followed by laboratory analyses were used to characterize the ambient air for hydrocarbons.
- The survey was conducted in three phases.
 - Phase I of the survey characterized the fugitive releases from System 1592 during normal filling of the tanks from vendor tanker trucks, the transfer between tanks and the transfer to Air Force refueling trucks.
 - Phase II work included collecting samples of each tank at the previously identified fugitive release points including floating pan seals, pumps, valves and truck vents. A fence line study was also completed to determine total fugitive releases.
 - Phase III work used the results of Phase II to model the predicted plume width. Using this information, sample locations on Kelly AFB and NKG were selected and sampled during ambient conditions.
- A one time sampling event involving a probable worst-case scenario of fuel storage and transfer was also conducted to allow for a conservative estimate of risk to be conducted.
- The study determined that a very slight increase in background hydrocarbon levels occurred during the worse case operations.
 - The increases were below the Texas Natural Resource Conservation Commission Estimated Screening Limit (ESL) and would not produce measurable health impacts, based on non-occupational risk determination method used by the U.S. Environmental Protection Agency.

Lt Fitzgerald/BMF/EMC/5-3100/23 Jun 98

APPENDIX A TO PART 203 - Technical Assistance for Public Participation Request Form

TECHNICAL ASSISTANCE FOR PUBLIC PARTICIPATION (TAPP) APPLICATION		<i>Form Approved OMB No. 0704-0392 Expires Dec 31, 1999</i>	
The public reporting burden for this collection of information is estimated to average 4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0392), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.			
PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS. RETURN COMPLETED FORM TO INSTALLATION LISTED IN SECTION I, BLOCK 1.			
SECTION I - TAPP REQUEST SOURCE IDENTIFICATION DATA			
1. INSTALLATION Kelly Air Force Base			
2. SOURCE OF TAPP REQUEST (Name of Restoration Advisory Board (RAB) or Technical Review Committee (TRC)) Kelly Air Force Base Restoration Advisory Board			
3. CERTIFICATION OF MAJORITY REQUEST			4. DATE OF REQUEST (YYYYMMDD)
5. RAB POINT OF CONTACT			
a. NAME (Last, First, Middle Initial) Damian Sandoval		b. ADDRESS (Street, Apt. or Suite Number, City, State, ZIP Code)	
c. TELEPHONE NUMBER (Include Area Code)			
SECTION II - TAPP PROJECT DESCRIPTION			
6. PROJECT TITLE Technical Assistance Project			
7. PROJECT TYPE (Data Interpretation, Training, etc.) Interpretation of Documents			
8. PROJECT PURPOSE AND DESCRIPTION (State anticipated goals of project and relate to increased understanding/participation in restoration process at the installation. Include descriptions, locations, and timetables of products or services requested.) SEE ATTACHMENT B			
9. STATEMENT OF ELIGIBILITY (Refer to eligibility criteria in S203.10 and S203.11 of TAPP rule. Note other sources that were considered for this support and state reasons why these sources are inadequate.) SEE ATTACHMENT C			
10. ADDITIONAL QUALIFICATIONS OR CRITERIA TO BE CONSIDERED (Additional qualifications (beyond those specified in S203.12) a provider should demonstrate to perform the project to the satisfaction of the RAB/TRC. Attach separate statement, if necessary.) SEE ATTACHMENT D			
SECTION III - INSTALLATION COMMANDER/DESIGNATED DECISION AUTHORITY APPROVAL			
APPROVED	11. SIGNATURE	12. TITLE	13. DATE (YYYYMMDD)
NOT APPROVED			

APPENDIX A TO PART 203 - Technical Assistance for Public Participation Request Form

SECTION IV - PROPOSED PROVIDER DATA			
14. PROPOSED PROVIDER			
a. NAME		b. ADDRESS (Street, Apt. or Suite Number, City, State, ZIP Code)	
c. TELEPHONE NUMBER (Include Area Code)			
15. PROVIDER QUALIFICATIONS (Attach separate statement, if necessary. A statement of qualifications from the proposed technical assistance provider will be acceptable.)			
Sources to be identified at a later date.			
16. ALTERNATE PROPOSED PROVIDER (If known. Attach additional pages as required.)			
a. NAME		b. ADDRESS (Street, Apt. or Suite Number, City, State, ZIP Code)	
c. TELEPHONE NUMBER (Include Area Code)			
17. ALTERNATE PROVIDER QUALIFICATIONS (Attach separate statement, if necessary. A statement of qualifications from the proposed technical assistance provider will be acceptable.)			
SECT.CN V - CONTRACTING OFFICE APPROVAL			
<input type="checkbox"/>	APPROVED	18. SIGNATURE	19. TITLE
<input type="checkbox"/>	NOT APPROVED		

DD FORM 2749 (BACK), DEC 1997

Attachment B

PROJECT PURPOSE AND DESCRIPTION: The goal of the project is to provide technical assistance to the RAB and the community on, and especially, off of Kelly Air Force Base to allow more effective and meaningful participation by the members of the RAB and the community in key decisions.

The goals will be reached through the engagement of independent experts who will interpret and "translate" the data in Kelly AFB technical documents and the regulatory processes involved in base restoration as well as the technical data on the impacts of such restoration for the community members of the RAB, and thus, for the entire affected community.

Two experts will be sought, each at \$12,500 for the fiscal year 1998. One (a "Restoration Expert") will be engaged to review plans and interpret technical reports for community members of the RAB and to assist with the technical issues involved with clean-up of the contamination, and related regulatory processes. The other (a Health Effects Expert) will be engaged to provide technical assistance to interpret the potential health implications of cleanup levels or remedial technologies, or to explain the health implications of site contaminants and exposure scenarios.

Each expert will be required to meet periodically with the RAB and be available for a coordinated process for requests for assistance from community members of the RAB. Each expert will provide periodic written reports on the work and periodic proposals for work that would fit the needs of the community members as expressed by the RAB. The experts will focus on both long and short term issues and focus their work toward those segments of the community that are least capable of participating in the restoration process.

Each expert must agree to attend at least one RAB meeting per quarter. The dates of such meetings will be established by the RAB and the expert. At such meetings, each expert must present in writing a summary of the time spent and work performed during the preceding quarter.

Each expert must agree to attend up to 5 other meetings related to the work. Those meetings might be meetings of a RAB subcommittee, meetings of experts, public meetings, or community meetings.

Each expert must review the most recent basewide remedial assessment for Kelly AFB.

The Restoration Expert must be familiar with or agree to become familiar with the TNRCC rules on 1) remediation of contaminated soils and groundwater, 2) risk reductions, and 3) voluntary clean-up. The Restoration Expert must also be familiar with or agree to become familiar with EPA's rules on remediation of superfund sites.

The Health Effects Expert must be familiar with or agree to become familiar with health effects evaluation procedures of the ATSDR and the health effects research done by ATSDR, CEJA and the Air Force for the communities in and around Kelly Air Force Base.

Each expert must agree to submit a written report or the work performed to assist the RAB in developing a proposal for the TAPP funding for the next fiscal year. The report must include detailed recommendations for the type of work the expert would do for the following year.

Each expert must advise the RAB before August 31 whether the expert is willing to serve as an expert in a similar role for the following fiscal year.

Attachment C

STATEMENT OF ELIGIBILITY AND QUALIFICATIONS: The RAB discussed considering sources other than the TAPP for obtaining the expertise it is seeking, such as the state and federal staff. However, the RAB members believe that an independent provider will contribute to the efficiency, effectiveness, or timeliness of environmental restoration activities at the installation and will contribute to community acceptance of environmental restoration activities at the installation.

Attachment D

The Restoration Expert must have a masters degree or PhD with more than 3 years experience or a bachelor's degree with more than 6 years experience in one of the following disciplines/fields of practice: groundwater hydrology, geology, chemistry, engineering or environmental restoration.

The Health Effects Expert must have a masters degree or PhD with more than 3 years experience or a bachelor's degree with more than 6 years experience in one the following disciplines: medicine, toxicology, health sciences, epidemiology, health effects evaluation or a related field of practice.

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