

DEPARTMENT OF THE AIR FORCE
Headquarters 377th Air Base Wing (AFMC)

ENTERED

5 July 1996

MEMORANDUM FOR MEMBERS, BERNALILLO COUNTY/KIRTLAND AIR
FORCE BASE ENVIRONMENTAL WORKING GROUP

FROM: 377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, NM 87117-5659

SUBJECT: Minutes of the Bernalillo County/Kirtland Air Force Base (KAFB)
Environmental Working Group (EWG)

1. PLACE: Loma Linda Community Center, 1700 Yale SE, Albuquerque, NM 87106
2. TIME/DATE: 1830, 16 May 1996
3. CHAIRPERSON: Ms. Nancy Morlock, Environmental Protection Agency (EPA)
Region 6
4. ATTENDANCE: See Attachment 1
5. INTRODUCTION/APPROVAL OF FEBRUARY MINUTES: Ms. Morlock called
the meeting to order and asked attendees to introduce themselves. The 22 February 1996
meeting minutes were approved as written.

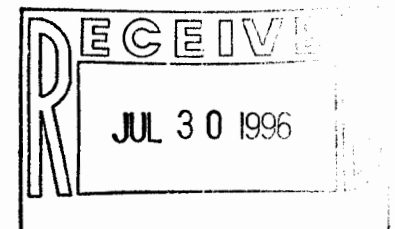
6. RESULTS OF THE KIRTLAND BACKGROUND STUDY:

a. Mr. Franz Lauffer of Sandia National Laboratories (SNL) presented information about the joint SNL/KAFB effort to determine background concentrations of constituents of concern (COCs) at various SNL Environmental Restoration (ER) Project and KAFB Installation Restoration Program (IRP) sites (the majority of sites are located west of the withdrawn land). The project had been discussed in previous meetings, but the report now includes more data.

b. Mr. Lauffer described the study's purpose, methodology, and results, including the COCs in soil and groundwater, factors that determine background, variations in background levels, and statistical analysis of the data.

c. The study concluded that for groundwater, background levels are not dramatically affected by depth but are higher when closer to the fault zone. For soil, both depth and location (i.e., north vs. south half of the base) affect the background levels. The location differences can be attributed to the source rock, as the north half of the base is located on an alluvial fan and the south rests within the Manzano mountains. Levels are also higher in the Tijeras area, due mainly to source material and the concentration effect of water movement. The values are consistent with studies performed by the National Uranium Resource Evaluation (NURE) Program and the New Mexico Environment Department (NMED). The report has been submitted to the EPA and the NMED for review and comment.

KAFB1779



7. STATUS OF CLEANUP ACTIVITIES AND FUNDING

a. Mr. Chris DeWitt, Chief of the Restoration Branch, reported on the status of various AF cleanup projects. Appendix I sites include high relative risk sites. Work plans have been submitted for the majority of these sites and field work will begin in July 1996. Site characterization began in FY95, but work was slowed due to a congressional funding rescission. The work is expected to be completed (including final field activities and reports) by early 1997. The majority of Appendix II and Appendix III site projects are awaiting comments on sampling and analysis plans and work plans, although some Phase II field work has already begun. Voluntary Corrective Measures (VCMs), including the cleanup of tanks at the Manzano site, the Manzano sewage treatment facility (WP-16), the silver recovery unit, and the radioactive burial site, under Appendix IV, are nearly completed. The Resource Conservation and Recovery Act (RCRA) facility investigation report for Manzano will be submitted to NMED by 30 July 1996. No comments were received on the burial site report. The water from the tanks at Manzano was placed into the lined sludge drying beds at WP-16 and is now 80% evaporated, and the silver recovery unit is under a VCM in order to preclude long-term monitoring.

b. The FY97 budget has been prepared in draft and will be submitted to higher headquarters in final form for funding on 30 July 1996. The total proposed budget is \$6.5 million. Mr. DeWitt requested citizen input and handed out a Draft Budget Priorities (FY97) List (Attachment 2), a proposed FY97 Defense Environmental Restoration Account (DERA) budget requirements spreadsheet, and a FY97 proposed budget project summaries list. The priorities list includes 20 of the 24 projects deemed of highest priority by KAFB. However, the priority list is not final and is subject to public suggestions. Anyone interested in providing comments or asking any questions regarding the budget and the priority list was encouraged to contact KAFB. The priority 1A projects are all under regulatory drivers or permit requirements and are high relative risk sites. The budget strives to minimize management costs (8%) and site characterization costs, and devote more funds to actual cleanup. The allocation of funds is still undetermined, but for FY96, approximately 70% of 1A (highest priority) projects were funded by Congress. Kirtland officials have not received any new guidance regarding DERA devolvement. Budgets will continue to include breakouts for DERA sites and compliance sites. The budgets are expected to remain fenced. Approximately seven sites on the priority list from last year have been removed due to closure. However, a few of the sites still on the priority list may also reach closure in the near future.

c. Kirtland passed out the latest map and list of IRP sites (Attachments 3 and 4).

8. PRESUMPTIVE REMEDIES: Presumptive remedy sites refer to sites where contamination levels and proposed action are relatively agreed upon by most parties. Although remedies sometimes appear to be finite in scope, by removing the immediate problems and treating the course, these sites may not need additional action. These remedies do not deviate from RCRA guidelines because they include interim corrective measures (ICM) and risk assessments, followed by monitoring to ensure that additional action is not required. Two presumptive remedies on the priority list include the ICM at LF-02 (Landfill 2) and at ST-70 (KAFB Oil/Water Separators). Landfill 2 could potentially contaminate the Tijeras Arroyo flood plain through leaching and erosion. The proposed ICM includes building a flood wall to protect the existing rip rap slope protection and prevent erosion, as well as a cap (with soil and vegetation), which will bring the level of the landfill above the 100-year flood level. At ST-70, two oil/water separators are leaking, and the RCRA Facility Investigation (RFI) found contamination to 80 feet. The remaining separators have contaminated the soil and are a source of release.

The separators are being removed and the soil monitored. Soil vapor extraction and bioventing are proposed for the two leaking oil/water separators.

9. HIGHLIGHTS OF PARTNERING MEETING: The citizen attendance at the Partnering Meeting was very low on 15 and 16 May, and public discussion was minimal. The meetings will be moved to evenings in the future, just prior to EWG meetings.

10. EWG INVOLVEMENT -- RELATIVE RISK EVALUATION: Mr. DeWitt said all of Kirtland's IRP sites should be re-evaluated to see if the rankings determined last year are still current and valid. Many RFI sites are nearing completion, but will be re-evaluated to determine their continued potential for risk. The chemical contamination at the laundry facility was expected to present minimal risk but will need additional study because contamination appears to be much higher. Citizens are encouraged to be involved in the evaluation process. KAFB will offer another relative risk training session on Saturday, 29 June 1996 for any citizen interested in learning the process and taking a tour of the sites.

Update: The Relative Risk training and tour took place 29 June; 19 members of the public participated.

11. JOINT AF/DEPARTMENT OF ENERGY (DOE) ISSUES AND PROJECTS: As previously discussed, the background study is almost finished. Sampling for this study highlighted potentially high trichloroethylene (TCE) and nitrate levels at KAFB sites. A long-term groundwater monitoring plan has been established to continue monitoring these levels. Other joint efforts include future land use and groundwater issues described in the following section.

12. EWG INVOLVEMENT -- FUTURE LAND USE PLANS: Kirtland is distributing a draft version of DOE's Management Area 7 Future Use Work Book. It is available at the repository at TVI, KAFB, and the DOE Citizens' Advisory Board (CAB) office. This work book outlines general cleanup levels and restoration needs, primarily for lands slated for industrial use in areas owned by KAFB. The work book is being presented to EWG and CAB members for comment.

13. GROUNDWATER ISSUES (TCE AND NITRATES): SNL submitted its TCE groundwater investigation plans to NMED to track the TCE contamination potential at SNL and KAFB. Sampling for TCE and nitrates is occurring on a wide range at Kirtland to find the sources of the contamination.

14. STATUS OF PLUTONIUM PITS PROPOSAL: Major David Martin of the Environmental Management Division discussed the status of the DOE proposal to find alternative interim storage sites for its plutonium pits. The DOE requested Kirtland's participation in a study of the Manzano storage area for possible temporary storage of the pits. So far, Kirtland agreed to participate in the study only and provide information about utility consumption, number of storage bunkers, loading docks, etc. No DOE decision has been made, and the DOE's preferred choice is to continue using the site in Amarillo (Pantex Plant) where interim storage is currently located. Kirtland is one of four sites being investigated, including Hanford, the Nevada Test Site, and the Savannah River site. DOE will accept public comments until 12 July 1996, with a DOE decision expected about November 1996. If the DOE were to select Kirtland, more investigation would be required to determine requirements of the storage. DOE is conducting an Environmental Impact Statement which evaluates the environmental consequences of the

storage and can be obtained by contacting Ms. Nannette Founds at DOE (Albuquerque) at (505) 845-4215. No AF or DOE decisions have been made yet.

15. AGENDA ITEMS/HOST/DATE OF NEXT MEETING:

a. The next EWG meeting will be Thursday, 22 August 1996 at the Loma Linda Community Center, 1700 Yale SE, Albuquerque, from 6:30 to 8:30 p.m. Ms. Kari Paseur, environmental public affairs officer, will contact the SouthWest Organizing Project (SWOP) to see if they wish to host the meeting. SWOP last hosted an EWG meeting in March 1994. If SWOP is unable, an alternate host will be selected.

b. Suggested items for discussion at the August meeting include the status of TCE contamination and SNL's Molybdenum 99 (medical isotopes) project.

c. It was announced Lt. Col. Scott Streifert will be transferring from his post as Director of Environmental Management at KAFB to an assignment in Washington, D.C. Major David Martin will replace him in the interim. Lt. Col. James Frasier has been selected to take over the director position later this summer. Lt. Col. Frasier has extensive environmental experience and is currently serving as a base civil engineer in England.


KARI J. PASEUR
Recorder


CHRISTOPHER B. DeWITT, R.P.G.
Chief, Restoration Branch
Environmental Management Division

Attachments:

1. Attendance List
2. Fact Sheet: Kirtland Sites
3. Map: KAFB Installation Restoration Program Sites
4. Draft: Budget Priorities - FY97

ATTENDANCE LIST

BERNALILLO COUNTY/KIRTLAND AIR FORCE BASE
ENVIRONMENTAL WORKING GROUP MEETING,
LOMA LINDA COMMUNITY CENTER, ALBUQUERQUE, NEW MEXICO
16 MAY 1996

NAME

ORGANIZATION

Yolanda Apodaca	DOE/Sandia/ITRI Citizens' Advisory Board
Tim Callahan	NM State Land Office
Chris DeWitt	377 ABW/EMR
Mike Dodyk	HQ AFMC/CEVR
Mark Gardiner	International Technology Corp.
John Gould	Department of Energy, Kirtland Area Office
Larry Janis	U.S. Army Corps of Engineers (Omaha District)
Franz Lauffer	Sandia National Laboratories
Mary Lou Leonard	Albuquerque Environmental Health Department
Maj David Martin	377 ABW/EM-2
Capt Mike Martin	377AMDS/SGPB
William S. McDonald	NM Environment Dept., DOE Oversight Bureau
William P. Moats	NM Environment Dept., DOE Oversight Bureau
María Montalvo	International Technology Corp.
Nancy Morlock	EPA Region 6 (Dallas TX)
Jon Myers	International Technology Corp.
Ann Newsted	The East Manzano Alliance
Marshall Nuy	BDM
Kari Paseur	377 ABW/PA
Janet Riccobuano	377 ABW/EMR
William Stone	NM Environment Dept., DOE Oversight Bureau
Victor Tesillo	New Mexico Laborers Training Trust Fund
Mark Thacker	Brown and Root Environmental
Steve Weber	Foster Wheeler Environmental Corp.



Fact Sheet

United States Air Force

Environmental Management, 377th Air Base Wing, Kirtland AFB, New Mexico 87117-5659

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KIRTLAND SITES INSTALLATION RESTORATION PROGRAM

<u>IRP*</u> <u>NUMBER</u>	<u>SWMU**</u> <u>NUMBER</u>	<u>APPENDIX</u>	<u>DESCRIPTION</u>	<u>RELATIVE RISK</u>
LF-01	6-1	I	Landfill 1	High
LF-02	6-2	I	Landfill 2	High
RW-04	6A-2	IV	Radioactive Holding Tank 4	High
RW-05	6A-2	IV	Radioactive Holding Tank 5	High
RW-06	6-30	IV	Radioactive Burial Site 11	Medium
LF-07	6-3	I	Landfill 3	High
LF-08	6-4	I	Landfill 4, 5, 6	High
LF-09	6-10	III	Abandoned Landfill	Low
RW-10	N/A	N/A	Radiation Training Sites 1 - 8	High
FT-13	6-16	I	Kirtland Fire Training Area	High
FT-14	6-32	I	Manzano Fire Training Area	High
LF-15	6-8	I	Landfill B	Medium
WP-16	6-24	I	MWSA Sewage Treatment Facility	High
RW-17	6A-2	IV	Radioactive Holding Tank 6	High
LF-18	6-7	II	Landfill A	Medium
RW-19	N/A	IV	Radioactive Holding Tank 8	High
LF-20	6-29	I	Manzano Landfill	High
RW-23	6A-2	IV	Radioactive Holding Tank 9	High
WP-26	N/A	N/A	Golf Course Main Pond & Two Sewage Lagoons	High
OT-28	6-31	I	McCormick Ranch/Range	High
OT-29	6-19	II	EOD Range	Medium
LF-44	6-11	II	Fill Area SE of Sewage Lagoons	Medium
LF-45	6-15	II	Explosive Test Site Unnamed Dump	Medium
OT-46	6-22	I	Lake Christian	High
WP-47	8-6	II	Silver Recovery Unit	Low
ST-51	6-14	III	Sewage Effluent Line	Medium
<u>LF-56</u>	LF-56	II	Landfill D	Medium
<u>WP-58</u>	WP-58	II	East Laundry, Bldg 20451	Medium

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<u>ST-59</u>	ST-59	II	ART Drum, Bldg 768	Medium
<u>ST-60</u>	ST-60	II	ART Pit, Bldg 765	Medium
<u>SS-61</u>	8-49	III	Fuel Shop Waste Battery Storage Area, Bldg 20677	Low
<u>SS-62</u>	9-20	III	Inactive Waste Accumulation Area, Bldg 909	Low
<u>SS-63</u>	10-2	III	Jet Engine Test Cell, Bldg 702	Low
<u>ST-64</u>	ST-64	II	USACE Vehicle Maintenance Yard, Bldg 20212, Demolished	Medium
<u>SS-65</u>	SS-65	III	Horizontal Polarized Dipole (HPD) Drum Rack	Low***
<u>ST-66</u>	ST-66	II	Trestle Facility (Vehicle Pit and Aircraft Pit)	Medium***
<u>DP-67</u>	N/A	N/A	Three Mine Shafts	Low
RW-68	RW-68	IV	Radium Dump/Slag Piles & Cratering Area	High
<u>SS-69</u>	SS-69	IV	Drum Storage Area (Within INWS TS-6)	High
ST-70	ST-70	II	KAFB Oil/Water Separators	High
<u>ST-71</u>	8-13	II	Oil/Water Separator, Bldgs 1001/1002	Medium
<u>ST-72</u>	ST-72	II	Oil/Water Separator, Bldg 30146	Medium
<u>ST-73</u>	ST-73	II	CERF Drain, Bldg 57001	Medium
<u>OT-74</u>	OT-74	III	Former Pistol Range	Not Ranked
<u>RW-75</u>	RW-75	IV	South Tijeras Trench	Not Ranked

Total: 45 IRP Sites

* IRP -- Installation Restoration Program (Part of Defense Environmental Restoration Program)

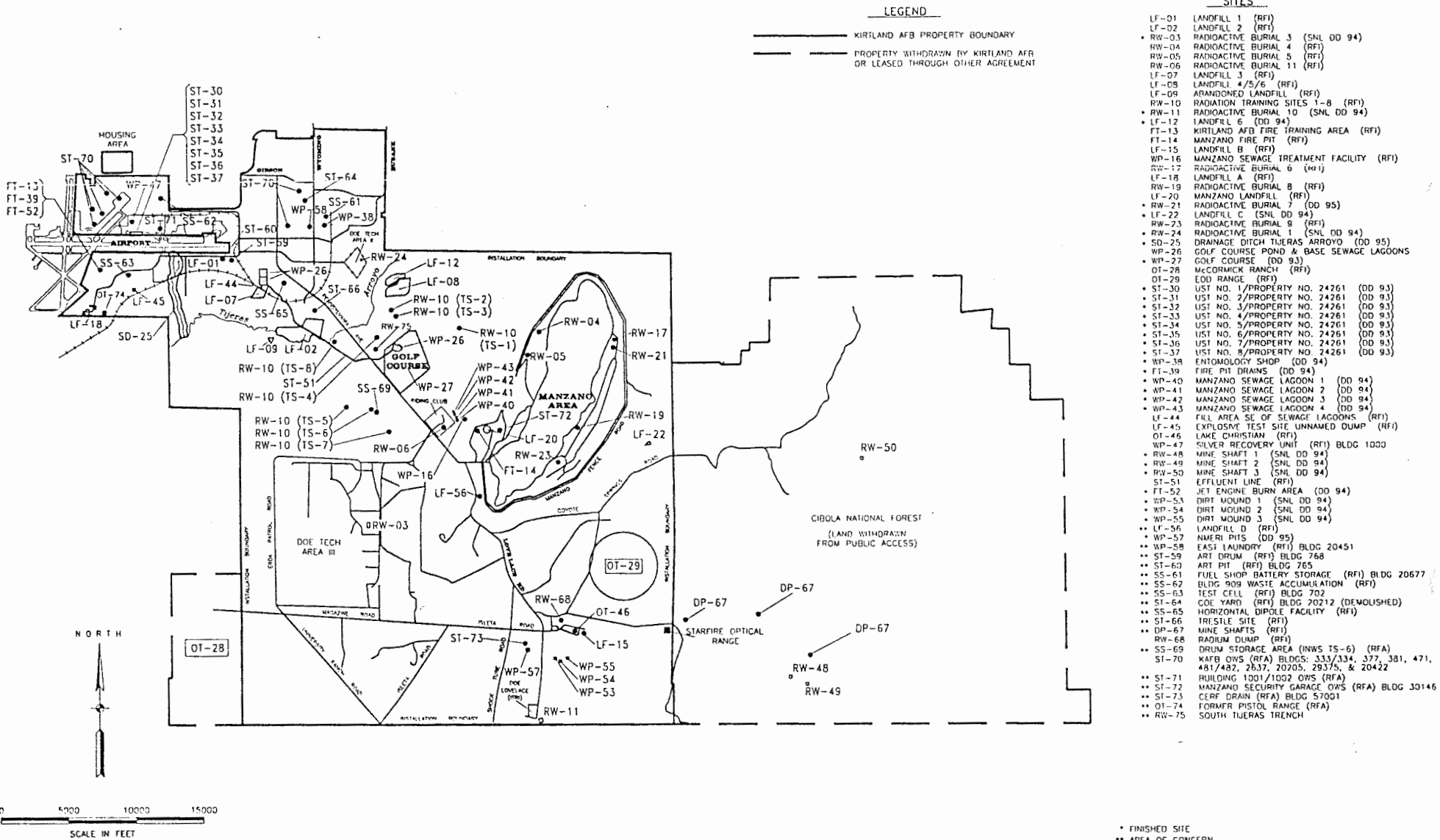
** SWMU -- Solid Waste Management Unit (Regulated under Resource Conservation and Recovery Act)

*** Tentative Ranking, Pending Stakeholder Approval (Sites SS-65 and ST-66)

___ Underlined -- IRP Areas of Concern, not identified as sites on official IRP site list. (WP-58 and ST-64 currently in process of being added.)

(Current as of May 15, 1996)

KAFB INSTALLATION RESTORATION PROGRAM SITES



Citizen Input and Comments Encouraged/Requested

**-DRAFT-
BUDGET PRIORITIES FY97**

<u>BASE PRIORITY</u>	<u>DESCRIPTION</u>
1	Manpower
2	TDY (Travel)
3	IRP Supplies & Equipment
4	RAB (EWG) Support
5	Community Relations Support
6	Update Mgt Action Plan (MAP)
7	RCRA Facility Investigation (RFI) for Appendix I SWMUs
8	Interim Corrective Measure at LF-02 (Landfill 2)
9	Long-Term Groundwater Monitoring
10	Continued Army Corps of Engineers Fees
11	RCRA Facility Investigation (RFI) at RW-68 (Radium Dump/Slag Piles & Cratering Area) and SS-69 (Drum Storage Area)
12	Interim Corrective Measure at ST-70 (KAFB Oil/Water Separators)
13	Computer Support
14	Site Characterization of RW-10 (Radiation Training Sites 1-8)
15	Post-Closure Care at WP-26 (Golf Course Main Pond & Two Sewage Lagoons)
16	RCRA Facility Investigation (RFI) at RW-06 (Radioactive Burial Site 11)
17	RCRA Facility Investigation (RFI) at Areas of Concern
18	Interim Corrective Measure at WP-58 (East Laundry, Bldg 20451)
19	Interim Corrective Measure at ST-64 (USACE Vehicle Maintenance Yard)
20	Corrective Measures Study at ST-70 (KAFB Oil/Water Separators)

16 May 96