



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 377TH AIR BASE WING (AFMC)

ENTERED

29 AUG 1993

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

SUBJ: Bernalillo County/Kirtland Air Force Base Environmental
Working Group (BC/KAFB EWG) Meeting Minutes

TO: Membership, BC/KAFB EWG

1. PLACE: BDM Bldg, 2301 Buena Vista SE, Albuquerque
2. DATE/TIME: 0930, 20 Aug 93
3. CHAIRPERSON: Mr David Morgan, New Mexico Environment
Department (NMED)
4. ATTENDANCE: See Attachment 1
5. INTRODUCTION/APPROVAL OF MAY MINUTES: Mr David Morgan called
the meeting to order at 0945. The May minutes, which had been
mailed to BC/KAFB EWG members, were approved as presented. Extra
copies were provided to the meeting attendees. Mr Morgan asked
that all attendees sign the attendance list.
6. RECURRING AGENDA ITEMS:
 - a. KAFB Groundwater Monitoring Program.

(1) Mr Harry Davidson, KAFB/EM, reported on the 2B Work Plan which EPA approved on 8 June 1993. The final stage 2A RCRA facilities investigation report will be submitted to EPA by 31 December 1993. The results of the split samples from nine wells taken in February 1993 must be reviewed for quality control before the results are released. This will be briefed in the November BC/KAFB EWG meeting. A new contractor will be replacing the US Geological Survey (USGS) for part of the 2B and all of the 2C Work Plans as the USGS does not have adequate staff to complete the field work in a timely way. The new contractor will write the field investigation procedures for the Appendix III Work Plan 2C.

(2) Soil sampling in the Tijeras Arroyo was completed. The draft report will be received in about a month. No regulated chemicals were found. The sewage lagoon, golf course pond and battery acid pit are closed with a certification by a professional engineer. Eight underground storage tanks were removed during reconstruction of Taxiway A by the City Aviation Department's contractor.

KAFB1329



(3) A public meeting, originally announced for 20 Aug 93, will be held on 8 Sept 93 for public comment on changes in the Kirtland solid waste management units (SWMU) list. Five SWMUs will be added to Kirtland's list. Copies of the changes are available for review at the main public library and base library.

(4) Mr Paul Robinson, SWOP, would like to meet the new field investigation contractor. He expressed the opinion that the USGS was a prestigious and thorough contractor to the Air Force and was concerned that the new contractor be as qualified. Mr Davidson explained that the Air Force Center for Environmental Excellence (AFCEE) is the EM contracting agent on environmental this matter. The contract will be awarded to a qualified national firm.

b. NMED Split Samples from Kirtland Water Wells

(1) Mr David Morgan, NMED, reported on split samples that NMED had collected of Kirtland ground water in 1991 and 1992. (Atch 2) In 1991, Sol se Mete, Coyote and Hubbel Springs were sampled. In 1992 all active drinking water wells were sampled. No organic compounds were found in any sampling. Eight monitoring wells, one in 1991 and seven in 1993, were sampled. There was nothing above regulatory levels. Some chemicals were barely at the detection limit, and laboratory artifacts may have been detected. No explosive components were found in McCormick Ranch well samples. NMED has no plans to do further sampling, since taxpayers' monies are not justified for "interesting" studies. Chromium was not sampled for, due to the state labs being overloaded with work. Ms Stoddard, NMED, said that under the Agreement in Principal (AIP), the Installation Restoration Program (IRP) will test for chromium.

(2) Mr Will Moats, NMED AIP project officer, said that Phase I of sampling 22 of 50 wells has been released to The East Mountain Alliance (TEMA). Mr Moats said that Coyote Springs has very unusual chemistry. Further study must be completed before considering it as representative of background values.

(3) Mr Morgan, NMED, distributed a summary of sampling results for the three springs and the schoolhouse monitoring well. He also brought the file of the complete suite of metals tested, for those who may have additional questions, since the summary did not include all the testing done. No action-level contaminants were detected.

7. NEW BUSINESS:

a. Federal Facilities Environmental Restoration (FFER) Committee Report Status

(1) Mr David Neleigh, EPA, reported on the FFER committee activities. The goal of the FFER is to develop consensus

recommendations aimed at improving the process by which federal facilities environmental restoration work is done. Concerns are 1) a lack of trust; 2) decision making mode changes; and 3) priorities that reflect the concerns of stakeholders. The FFER report provides recommendations which are not binding on federal agencies. One recommendation of the draft FFER report was to make documents available to the public at the same time they are made available to the regulators. However, the FFER states that the public needs to realize that draft information data and reports are subject to change. The quality assurance (QA) process can disqualify preliminary data which has not been re-examined through the QA process.

(2) The committee is concerned that the public is consulted late in the environmental restoration (ER) process and the large number of opportunities to express concerns on individual projects may dissipate public interest. The draft FFER report recommends establishing a site specific advisory board (SSAB). The SSAB role is to provide advice, not decisions. Where an existing group exists, the FFER recommends those groups continue to build on the established effort. Mr Neleigh indicated that the BC/KAFB EWG was the most effective of 40-45 federal facility community relations groups in Region VI that he has observed. The SSAB would grant ex officio status to agency representatives. The federal agencies would keep a log of issues with the federal response. Membership in the SSAB would be diverse and balanced in viewpoints. The federal agencies may provide meeting space, duplicating services, meeting facilitator, local training and per diem for out-of-town travel to meetings. The SSAB would not cover salaries, legal action or additional sampling requests. This would be a duplication of EPA TAG grants.

(3) Ms Harris, Citizens Against Radioactive Dumping (CARD), said she had requested setting up a SSAB at Kirtland by letters sent in June to the Director of Sandia National Labs and Ms Kathy Carlson, DOE Kirtland area manager, with a copy to the Wing Commander. Brigadier General Higham responded to Ms Harris on 16 Jul 93. Ms Harris would like the SSAB to go beyond just environmental restoration issues, as discussed in the FFER report. She would like to review all radiation/hazardous chemical activities in the SSAB, not just talk about bore holes.

(4) Colonel Norris, 377 ABW Environmental Management (EM), said that EM has been as responsive as it can be, responding to issues beyond ER concerns involving the Air Force. Changes to the BC/KAFB EWG would require modification to the Part B permit. EM represents 150 tenants on Kirtland, including the Phillips Lab, and a meeting including DOE activities would certainly dilute information the Air Force could brief, without substantially lengthening the meeting time.

(5) Mr Jeremy Brown, TEMA, felt the agenda of the BC/KAFB EWG was too narrow. He would like to include discussion on the future of the weapons industry. Ms Harris hoped for an invitation to discuss her concerns about the SSAB directly with Brigadier General Higham, which would include establishing issue agendas for the SSAB.

b. Keystone Process

(1) Mr Jay Sorenson, Sierra Club, presented his view on the Keystone process. He will attend the September meeting to further discuss this process. He shares the concerns of the late President James Madison, who wrote in the Federalist Papers Number 10, that "government functions to control conflicting factions and also functions to control government." Mr Sorenson gave a history of the development of the Keystone process, starting in 1989.

(2) Mr Brown, TEMA, noted that policy was mandated from Congress and no local officials could make policy decisions. He questioned how Congress set budget priorities. Mr Davidson responded that priorities were established by EPA by a risk assessment process.

(3) Colonel Norris, EM, said that there may be an Air Force policy on the Keystone Process by the fall of 1993. Lt Col Pratt said that since the SSAB was to reflect diverse opinion, that perhaps representatives from the Chamber of Commerce or Real Estate Board would be invited to participate in the SSAB.

(4) Mr Robinson, SWOP, stated that he would like the SSAB to address issues beyond waste management, such as economic development, hiring of staff, and the effect of Kirtland on the community. He is not satisfied with DOE's public participation meetings which were established since January 1993. Mr Sorenson gave Colonel Norris a copy of the draft FFER report.

c. November Agenda and Chairperson The next meeting will be chaired by EPA Region 6 and is scheduled for 19 November 1993 at 0915. The BDM auditorium will be requested. Agenda items for the November meeting should be submitted to EPA by 19 October and include the name and telephone number of the requestor. This will enable the responder to contact the requestor to clarify concerns. Items requested for inclusion in the November BC/KAFB EWG meeting are an update on the FFER process.

d. Meeting Adjournment There being no further business, the meeting adjourned at 1232.



THOMAS A. NORRIS, Colonel, USAF
Director
Environmental Management Division

2 Atch
1. List of Attendees
2. NMED Sample Summary

Distribution:

377 ABW/EM - 6

/JA - 2

/PA

U.S. EPA Region VI -3

Senator Bingaman's Office

Senator Domenici's Office

Congressman Schiff's Office

NMED - 3

NMED - District 1

Albuquerque Environmental Health Dept

Environmental Services Division

Bernalillo County Environmental Health

Department

Sandia Ranger District, Tijeras Office

U.S. Forest Service

DOE/KAO

DOE/OIEA, AL

SNL 7205/7731/4300/7700/7723/3163

The East Mountain Alliance (TEMA)

Mountainview Advisory Council (MAC)

South West Research and Information

Center (SWRIC)

SouthWest Organization Project (SWOP) -2

BERNALILLO COUNTY/KIRTLAND AFB ENVIRONMENTAL
WORKING GROUP MEETING

DATE _____

NAME (PLEASE PRINT)	ORGANIZATION/ADDRESS	TELEPHONE
David Neleigh	EPA, 1445 Ross Av (6th-P) Dallas, TX 75202	214/655-6785
PAUL ROBINSON	SW RESEARCH, PO Box 4524, ABC, NM 87106	505-262-1862
Floyd A. Thompson	CIBOLA NATIONAL FOREST - Sandia Rd Tijeras, NM 87159 1176 Hwy 337	505-281-3304
Kathie Leyendecker	CONGRESSMAN STEVE SCHIFF 625 SILVER SW, #140 ABQ NM 87102	505-766-2538
Curt Montman	Aib. Env. Health Dept Environmental Services Div. P.O. Box 1243 Aib 87103	505-768-2600
Bill MAIRSON	SANDIA NATIONAL LAB Dept. 7026, P.O. Box 5800, AIBQ., NM. 87120	505-848-0400
Bill McDonald	NMED/GWPRB/DOF OUSIGHT P.O. BOX 5400, AIB, NM 87185	505-845-3825
Chris DeWitt	377 ABW/EM, 2000 Wyoming Blvd SE, Kirtland AFB, NM 87117	505-846-0053
H Col George Pratt	" "	505-846-0054
CHRISTINE Tuttle	377 ABW/EM 2000 WYOMING BLVD S.E. KAFB 87117-5659	505-846-2773
ANN NEWSTER	TEMP P.O. Box 850 Tijeras NM	505 281 9449
GEORGE PEARCE	377 ABW/PA, 2000 WYOMING SE, KIRTLAND AFB NM 87117	505-846-5791
Earlan Harris	C.A.R.D. 144 Harvard SE	842-9710
Lisa N. Gover	For M. Guerrero, SWOP 2110 10th St SW	247-8832
JAT SORENSON	Sierra Club (H) 2800 Chamberlaine NE Alb. NM 87102	505 884 4314
Tom Noeris Col. USAF	377 ABW/EM 2000 Wyoming Blvd SE. 87117	846-2751

BERNALILLO COUNTY/KIRTLAND AFB ENVIRONMENTAL
WORKING GROUP MEETING

DATE 08-20-93

NAME (PLEASE PRINT)	ORGANIZATION/ADDRESS	TELEPHONE
DAVIDSON, H M	377 ABW / EM 2000 Wyoming SE, Kirtland AFB, NM, 87117-5457	846-2773
Lee, Stephen	" "	" "
Henry R Galsy	M.A.C 408 Rencher	873-0535
Jeremy M. Brown	TEMA (The East Manzano Alliance)	281-4244
Stephen J. Ward	Sandia National Labs, Dept. 704	848-0488
William P. Moats	NMED/AIP	845-5824
JERRY SILVERUD	377 ABW/EM 2000 Wyo. Blvd SE, KAFB	846-2773
John Gold	DOE/KAO	845-6089
Angele Winkler	CARD 144 Harvard, SE ^{v. 19th & second st}	266-2663
Maj Michael J Rusden	377 Medical Group/SGPB, KAFB 87117	846-4259
1LT MICHAEL O. MARTIN	377 MED GP/SGPB, KIRTLAND AFB, NM 87117	846-4193
Capt Steven Rademacher	377 Med Gp/SGPB, 1951 2 nd St, Kirtland AFB NM	6-4193
1st Col Byron R. Street	PL/DO, Kirtland AFB, NM	846-4573
2LT DARREN COCHRAN	PL/SEE, KAFB	846-4573
DAVID MORGAN	NMED-6696B PO Box 26110, SF 87502	827-2754
STEPHEN POLLEN	NMED-47RM13 " "	827-4308
Stephanie Stoddard	526 Camino de los Marquez Suite 4 NMED-HRMB RCRA PERMITS PO Box 26110 87502	827-4308
Nancy Morlock	EPA-Region 6 1445 Ross Ave. Suite 1200 Dallas TX 75202	214-655-6650

FAX 214-655-6460

NMED GROUND WATER SAMPLING AT KIRTLAND AFB

under Defense-State Memorandum of Agreement ("DSMOA") auspices

Springs:

Coyote, Hubbell, and Sol Se Mete springs sampled on July 12, 1991; analyzed for volatile organic compounds, water chemistry, metals, and radiochemistry. Laboratory error resulted in loss of water chemistry data for Hubbell and Sol Se Mete springs.

Production wells:

KAFB drinking water production wells 1, 2, 3, 4, 7, 11, and 13 were sampled at the wellhead on November 10, 1992. Samples were analyzed for volatile organic compounds using EPA methods 601 and 602. No such compounds were detected in any of the samples, with detection limits generally of 1 ppb.

Monitoring wells:

Well	Date sampled	Analyses
Schoolhouse	7/22/91	VOCs, metals, water chem., radiochem.
0502 (Sewage lagoons)	2/24/93	VOCs
0610 (Golf course)	2/24/93	VOCs
0113 (Landfill 1)	3/15/93	VOCs, SVOCs, water chem., N species
0110 (Landfill 1)	3/16/93	VOCs, SVOCs, water chem., N species
0115 (Landfill 1)	3/19/93	VOCs, SVOCs, water chem., N species
1005 (McCormick Ranch)	4/15/93	VOCs, SVOCs, explosives, water chem.
1002 (McCormick Ranch)	4/20/93	VOCs, SVOCs, explosives, water chem.

RESULTS

- Volatile organic compounds (VOCs) were detected in the Schoolhouse well, where benzene and xylenes were identified as traces below the detection limit of 1 ppb, and toluene was present at 1.2 ppb. These levels are below any regulatory standards. Traces (below detection limits) of vinyl acetate and of two phthalates were detected in three monitor well samples, but are believed to be laboratory artifacts and/or derived from PVC well casings.

- No explosives were detected in either sample for which they were analyzed.

The table on the following page is a comparison of metals, water chemistry, and selected radiochemical results.

Only detected parameters are reported. Blank = not detected; na = not analyzed for.

Moving box K ground - 22 use
 NMED
 02-25-93 JET

PARAMETER (mg/L)	Coyote	Hubbell	S.S.M.	Schhse.	0110	0113	0115	1002	1005
Aluminum	0.20				na	na	na	na	na
Barium				0.10	na	na	na	na	na
Boron	0.90	0.10		0.20	na	na	na	na	na
Calcium	260/87*	78.0	110	140	41.0	33.0	35.0	38.3	43.7
Iron	0.20			3.1	na	na	na	na	na
Magnesium	56.0	30.0	17.0	24.0	5.0	5.0	6.0	11.7	10.4
Manganese	1.2			na	na	na	na	na	na
Silicon	0.20	1.5	0.40	1.9	na	na	na	na	na
Strontium	1.3	1.10	0.50	0.70	na	na	na	na	na
Zinc				0.20	na	na	na	na	na
Sodium	395	na	na	388	24.0	24.0	25.0	38.8	28.8
Potassium	31.0	na	na	4.0	3.0	4.0	3.0	3.9	2.8
Bicarbonate	550	na	na	476	136	125	140	126	130
Carbonate		na	na						
Chloride	469	na	na	134	7.4	10.4	29.8	11.3	10.0
Sulfate	121	na	na	58.6	27.7	29.9	29.8	39	38
TDS	3836	na	na	782	206	214	224	320	260
NO ₂ +NO ₃ as N	0.57	na	na	3.98	0.39	0.52	0.40	5.6	3.0
Ammonia	0.15								
TKN	0.27								
Benzene				<0.001					
Toluene				0.0012					
Xylenes				<0.001					
Vinyl acetate								<0.001	<0.001
Di-n-butylphthalate					<0.01				
Bis(2-ethylhexyl)phthalate					<0.01				
Gross alpha (pCi/L), Am-241 reference	11.4	6.5	6.0	10.6	na	na	na	na	na
Gross beta (pCi/L), Cs-137 reference	34.1	3.3	1.6	7.10	na	na	na	na	na

Note: Starred results for calcium at Coyote Spring are a result of differing results obtained with different laboratory methods. ICAP results were 260 mg/L; wet chemistry results were 87 mg/L. Other reported calcium results in table were ICAP results.