



ENTERED

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



Comedus

13 Jul 95

377 ABW/EMC
2000 Wyoming SE
KAFB NM 87117-5659

Colby Muckelroy
New Mexico Environment Department
Hazardous and Radioactive Materials Bureau
525 Camino De Los Marquez
P.O. Box 26110
Santa Fe, New Mexico 87502

Dear Mr. Muckelroy

Enclosed is additional information for the Kirtland Air Force Base Explosive Ordnance Disposal Facility Open Detonation Unit quarterly sampling report sent to you on July 10 1995. Please attach these open burn permits to the sampling results.

If you have any further questions please contact me at 846-5037 or Terry Cooper at 846-0007.

Respectfully

WALTER S. DARR III
Chief, Environmental Management
Kirtland Air Force Base

Attachment
Open Burn Permits

KAFB1654



ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT

Air Pollution Control Division

OPEN BURNING PERMIT

Pursuant to Albuquerque/Bernalillo County Air Quality Control Board Regulation #3, Open Burning, this conditional permit is hereby issued to the applicant for the activities stated below. The conditions to this permit are attached to this sheet and are a part of this permit. Other permits may be required, call your designated fire department prior to burning. For more information call 768-1961.

Mr. Walter S. Darr III
Environmental Management Division
542 CTW/EM
2000 Wyoming Blvd SE, Suite 5659
Albuquerque NM 87117-5659

Applicant File Number: 66
Permit Number: 66 OB 3 1995
Dates Permit is Valid: 2/10/95 to 2/24/95
Burn Location: KIRTLAND AIR FORCE BASE

Burn Reviewed and Approved by: Mark Dear
Environmental Health Department

Multiple Event Single Event

Description of Burn Type to Occur:

Event Type 5 Above ground Detonation 20 lbs +

If the above description does not seem to apply to your situation, please notify the Air Pollution Control Division at 768-1961 or Mark Dear at 768-1958.

Please complete the burn table below by 2/24/95 and return to the address below:

City of Albuquerque
Environmental Health Department
Air Pollution Control Division
P.O. Box 1293
Albuquerque, New Mexico 87103-1293
Attn: Open Burning

Event No: _____	Date of Event: <u>2/9/95</u>	Time of Event: <u>12/15/</u>	A.M. / <u>P.M.</u>
Event No: _____	Date of Event: <u>/ /</u>	Time of Event: <u>/ /</u>	A.M. / P.M.
Event No: _____	Date of Event: <u>/ /</u>	Time of Event: <u>/ /</u>	A.M. / P.M.
Event No: _____	Date of Event: <u>/ /</u>	Time of Event: <u>/ /</u>	A.M. / P.M.
Event No: _____	Date of Event: <u>/ /</u>	Time of Event: <u>/ /</u>	A.M. / P.M.

Please use additional sheets if necessary

Completed by: Mark Hoag Date: 27 Feb 95

Open Burn No. 3



Albuquerque
ENVIRONMENTAL HEALTH DEPARTMENT
Air Pollution Control

Application for Open Burning Permit
Filed with
Albuquerque Air Pollution Control Division

1. Requestor's Name 377 CES/CEO
Requestor's Address 2050 Wyoming Blvd
Kirtland AFB NM 87117
Requestor's Telephone (505) 846-2229

2. Location of Burning Kirtland AFB EOD Range

3. Schedule of Burning

	a. Date and Time of Fire(s)	Number of Fires	Type of Material	Height of Material to be Burned
Primary	<u>9 FEB 95</u>	<u>1</u>	<u>C-4/contraband</u>	<u>1500 LBS</u>
	<u>1100-1300</u>			
Backup	<u>10 FEB 95</u>	<u>1</u>	<u>C-4</u>	
	<u>1100-1500</u>		<u>Contraband</u>	<u>1500 LBS</u>

b. Description of method to ignite Electrically
How fire will be maintained N/A
How fire will be controlled N/A
How fire will be terminated N/A

c. Reasons the burning is necessary To Destroy Contraband,
and hazardous outdated munitions.

d. Alternatives that were considered and why not chosen
Only authorized method.

e. If any fires have been conducted under any previous permit from this agency, please provide the following information:

a.	Date(s) of Fire(s)	Number of Fires	Weight of Material	Type of Material

Signed *[Signature]*
Applicant
Date 24 Jan 95
~~28 Dec 94~~

Submit to: Environmental Health Department
Engineering Section
Air Pollution Control Division
P. O. Box 1293
Albuquerque, New Mexico 87103

ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT
Air Pollution Control Division
OPEN BURNING PERMIT

Pursuant to Albuquerque/Bernalillo County Air Quality Control Board Regulation #3, Open Burning, this conditional permit is hereby issued to the applicant for the activities stated below. The conditions to this permit are attached to this sheet and are a part of this permit. Other permits may be required, call your designated fire department prior to burning. For more information call 768-1961.

Mr. Walter S. Darr III
Environmental Management Division
542 CTW/EM
2000 Wyoming Blvd SE, Suite 5659
Albuquerque NM 87117-5659

Applicant File Number: 66
Permit Number: 66 OB 2 1995
Dates Permit is Valid: 2/16/95 to 2/24/95
Burn Location: KIRTLAND AIR FORCE BASE

Multiple Event Single Event

Description of Burn Type to Occur:

Event Type 5 Above ground Detonation 20 lbs +

If the above description does not seem to apply to your situation, please notify the Air Pollution Control Division at 768-1961 or Mark Dear at 768-1958.

Please complete the burn table below by 2/24/95 and return to the address below:

City of Albuquerque
Environmental Health Department
Air Pollution Control Division
P.O. Box 1293
Albuquerque, New Mexico 87103-1293
Attn: Open Burning

Event No: _____	Date of Event: <u>2/24/95</u>	Time of Event: <u>13:15</u>	A.M. <input type="radio"/> <input checked="" type="radio"/> P.M.
Event No: _____	Date of Event: ___/___/___	Time of Event: ___/___/___	A.M. / P.M.
Event No: _____	Date of Event: ___/___/___	Time of Event: ___/___/___	A.M. / P.M.
Event No: _____	Date of Event: ___/___/___	Time of Event: ___/___/___	A.M. / P.M.
Event No: _____	Date of Event: ___/___/___	Time of Event: ___/___/___	A.M. / P.M.

Please use additional sheets if necessary

Completed by: Mark Dear Date: 27 Feb 95

Open Burn No. 2



Albuquerque
ENVIRONMENTAL HEALTH DEPARTMENT
Air Pollution Control

Application for Open Burning Permit
Filed with
Albuquerque Air Pollution Control Division

1. Requestor's Name 377 CES/CEU

Requestor's Address 2050 Wyoming Blvd S.E.
Kirtland AFB NM 87117

Requestor's Telephone (505) 846-2229

2. Location of Burning Kirtland EOD Range

3. Schedule of Burning

	a. Date and Time of Fire(s)	Number of Fires	Type of Material	Height of Material to be Burned	
	Jan 95	1	C-4	525 LBS	} 668 Total
Primary	{ 23 Feb 95 1100-1500		Propellant (m-7)	143 LBS	
Backup	{ 24 Feb 95 1100-1500	1	C-4	525 LBS	
			Propellant (m-7)	143 LBS	

b. Description of method to ignite Electrically
How fire will be maintained NA
How fire will be controlled NA
How fire will be terminated NA

c. Reasons the burning is necessary to destroy unsafe munitions

d. Alternatives that were considered and why not chosen
Only authorized methods.

e. If any fires have been conducted under any previous permit from this agency, please provide the following information:

a.	Date(s) of Fire(s)	Number of Fires	Weight of Material	Type of Material

Signed *[Signature]*
Applicant
Date 24 Jan 95
~~28 Dec 94~~

Submit to: Environmental Health Department
Engineering Section
Air Pollution Control Division
P. O. Box 1293
Albuquerque, New Mexico 87103

ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT
Air Pollution Control Division
OPEN BURNING PERMIT

Pursuant to Albuquerque/Bernalillo County Air Quality Control Board Regulation #3, Open Burning, this conditional permit is hereby issued to the applicant for the activities stated below. The conditions to this permit are attached to this sheet and are a part of this permit. Other permits may be required, call your designated fire department prior to burning. For more information call 768-1961.

Mr. Walter S. Darr III
Environmental Management Division
542 CTW/EM
2000 Wyoming Blvd SE, Suite 5659
Albuquerque NM 87117-5659

Applicant File Number: 66
Permit Number: 66 OB 4 1995
Dates Permit is Valid: 3/2/95 to 3/31/95
Burn Location: KIRTLAND AIR FORCE BASE

Burn Reviewed and Approved by:

Mark Dear
Environmental Health Department

Multiple Event Single Event

Description of Burn Type to Occur:

Event Type 5 Above ground Detonation 20 lbs +

If the above description does not seem to apply to your situation, please notify the Air Pollution Control Division at 768-1961 or Mark Dear at 768-1958.

Please complete the burn table below by 3/31/95 and return to the address below:

City of Albuquerque
Environmental Health Department
Air Pollution Control Division
P.O. Box 1293
Albuquerque, New Mexico 87103-1293
Attn: Open Burning

Event No: <u>1</u>	Date of Event: <u>3/3/95</u>	Time of Event: <u>1315</u>	A.M. / P.M.
Event No: <u> </u>	Date of Event: <u> / / </u>	Time of Event: <u> / / </u>	A.M. / P.M.
Event No: <u> </u>	Date of Event: <u> / / </u>	Time of Event: <u> / / </u>	A.M. / P.M.
Event No: <u> </u>	Date of Event: <u> / / </u>	Time of Event: <u> / / </u>	A.M. / P.M.
Event No: <u> </u>	Date of Event: <u> / / </u>	Time of Event: <u> / / </u>	A.M. / P.M.

Please use additional sheets if necessary

Completed by: Mark A Haag Date: 7 Mar 95

Open Burn No. 4



Albuquerque
ENVIRONMENTAL HEALTH DEPARTMENT
Air Pollution Control

Application for Open Burning Permit
Filed with
Albuquerque Air Pollution Control Division

1. Requestor's Name 377 CES/CEO

Requestor's Address 2050 Wyoming Blvd.

KAFB N.M. 87117

Requestor's Telephone 505-842-2229

2. Location of Burning Kirtland AFB EOD Range

3. Schedule of Burning

a. Date and Time of Fire(s)	Number of Fires	Type of Material	Height of Material to be Burned
<u>2 Mar 95</u>	<u>1</u>	<u>C-4</u>	<u>1000 lbs</u>
<u>1100-1500</u>		<u>Contraband</u>	

b. Description of method to ignite electrical

How fire will be maintained N/A

How fire will be controlled N/A

How fire will be terminated N/A

c. Reasons the burning is necessary _____

To destroy Contraband in support of law Enforcement

d. Alternatives that were considered and why not chosen
Detonate is only authorized in Mine

e. If any fires have been conducted under any previous permit from this agency, please provide the following information:

a.	Date(s) of Fire(s)	Number of Fires	Weight of Material	Type of Material
	<u>N/A</u>			

Signed [Signature]
Applicant

Date 23 Feb 95

Submit to: Environmental Health Department
Engineering Section
Air Pollution Control Division
P. O. Box 1293
Albuquerque, New Mexico 87103

ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT Air Pollution Control Division OPEN BURNING PERMIT

Pursuant to Albuquerque/Bernalillo County Air Quality Control Board Regulation #3, Open Burning, this conditional permit is hereby issued to the applicant for the activities stated below. The conditions to this permit are attached to this sheet and are a part of this permit. Other permits may be required, call your designated fire department prior to burning. For more information call 768-1951.

Mr. Walter S. Darr III
Environmental Management Division
542 CTWEM
2000 Wyoming Blvd SE, Suite 5659
Albuquerque NM 87117-5659

Applicant File Number: 66
Permit Number: 66 OB 7 1995
Dates Permit is Valid: 04/27/95 to 04/30/95
Burn Location: KIRTLAND AIR FORCE BASE

Burn Reviewed and Approved by: Mark Dear
Environmental Health Department

Multiple Event Single Event

Description of Burn Type to Occur:

Event Type 5 Above ground Detonation 20 lbs +

If the above description does not seem to apply to your situation, please notify the Air Pollution Control Division at 768-1961 or Mark Dear at 768-1958.

Please complete the burn table below by 04/30/95 and return to the address below:

City of Albuquerque
Environmental Health Department
Air Pollution Control Division
P.O. Box 1293
Albuquerque, New Mexico 87103-1293
Attn: Open Burning

Event No: _____	Date of Event: <u>4/28/95</u>	Time of Event: <u>1140</u>	<input checked="" type="radio"/> A.M. <input type="radio"/> P.M.
Event No: _____	Date of Event: <u> / / </u>	Time of Event: <u> / / </u>	A.M. / P.M.
Event No: _____	Date of Event: <u> / / </u>	Time of Event: <u> / / </u>	A.M. / P.M.
Event No: _____	Date of Event: <u> / / </u>	Time of Event: <u> / / </u>	A.M. / P.M.
Event No: _____	Date of Event: <u> / / </u>	Time of Event: <u> / / </u>	A.M. / P.M.

Please use additional sheets if necessary

Completed by: Mark Haag Date: 1 MAY 95

Open Burn No. 7



Albuquerque
ENVIRONMENTAL HEALTH DEPARTMENT
Air Pollution Control

Application for Open Burning Permit
Filed with
Albuquerque Air Pollution Control Division

1. Requestor's Name 377 CES/CED

Requestor's Address 2050 Wyoming Blvd. KAFB, NM 87117

Requestor's Telephone (505) 846-2229

2. Location of Burning KAFB EOD Range

3. Schedule of Burning

a.	Date and Time of Fire(s)	Number of Fires	Type of Material	Height of Material to be Burned
Primary Date	<u>27 APR 95/1100-1300</u>	<u>1</u>	<u>C-4</u>	<u>520 lbs.</u>
			<u>SEE ATTCH. 1</u>	<u>228 lbs.</u>
Alternate Date	<u>28 APR 95/1100-1300</u>	<u>SAME</u>	<u>SAME</u>	<u>SAME</u>

748 LBS Total

b. Description of method to ignite Electrical

How fire will be maintained N/A

How fire will be controlled N/A

How fire will be terminated N/A

c. Reasons the burning is necessary To destroy unsafe/unserviceable munitions.

d. Alternatives that were considered and why not chosen _____

Detonation is _____ only authorized procedure.

e. If any fires have been conducted under any previous permit from this agency, please provide the following information:

a.	Date(s) of Fire(s)	Number of Fires	Weight of Material	Type of Material
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

Signed John C. Bannett
Applicant

Date 12 APR 95

Submit to: Environmental Health Department
Engineering Section
Air Pollution Control Division
P. O. Box 1293
Albuquerque, New Mexico 87103

Attachment 1

EWDR No.	Item No.	Waste Cat.	Description of Waste	No. of Articles	NEW per each (g)	Total NEW (g)	Gross Wt. (g)	Gross Wt. (lbs)	Scheduled Ship Date	TSDf
E000015	1	A	Ignitor Mk 130 Mod 1 for Zuni rocket motor (black powder)	1	35	35	100	0.2203		
E000015	2	A	Ignitor Mk 14 Mod 0 for HVAR rocket motor (black powder)	1	50	50	100	0.2203		
E000033	1	A	Brass fixture w/CP	2	0.06	0.12	100	0.2203		
E000033	2	A	Stainless steel fixtures w/PETN, ceramic	2	0.025	0.05	100	0.2203		
E000033	3	A	Brass fixtures w/PETN, ceramic	19	0.16	3	200	0.4405		
E000040	1	A	Brass fixtures w/thermite, ceramic	1	0.1	0.1	100	0.2203		
E000040	2	A	Brass fixtures w/THKP	2	0.025	0.05	100	0.2203		
E000040	3	A	Stainless steel fixtures w/THKP, graphite	5	0.06	0.3	300	0.6608		
E000040	4	A	Stainless steel fixtures w/THKP	3	0.2	0.6	300	0.6608		
E000079	2	A	Stainless steel disc w/ HMX, graphite	10	0.028	0.28	50	0.1101		
E000079	3	A	Steel bolt w/ PETN, epoxy	1	0.1	0.1	20	0.0441		
E000080	1	A	Stainless steel fixture w/HNS	4	0.03	0.12	10	0.022		
E000080	4	A	Aluminum coated PMMA window w/HNS	1	0.05	0.05	10	0.022		
E000117	1	A	LSC Al, PE foam w/PBXN-5			0.5	14.7	0.0324		
E000158	1	A	Aluminum cups w/TP-H 3442	2	6	12	27.1	0.0597		
E000179	1	A	Separation linear shaped charge PBXN-5			0.23	20	0.0441		
E000180	1	A	MC4492 (THKP 50mg, thermite 20mg, stainless steel)	5	0.07	0.35	20	0.0441		
E000183	1	A	MC 3993 (Copper, barium styphnate)	25	0.01	0.25	50	0.1101		
E000183	2	A	Timer (Aluminum, copper, HNS)	10	1.7	17	637	1.4031		
E000190	1	A	MC2370 (Lexan, PETN)	3	4.3	13	77.7	0.1711		
E000201	1	A	Brass fixture w/HNS	1	0.035	0.035	3	0.0066		
E000201	2	A	Plastic fixture w/HNS	1	0.025	0.025	2	0.0044		
E000020	2	A	Aluminum LSC w/RDX			24	250	0.5507		
E000078	1	B	HNS pellets			1.09	1.09	0.0024		
E000079	1	B	HMX powder			1.2	1.2	0.0026		
E000079	4	B	HNS w/TATB contamination			0.2	0.2	0.0004		
E000080	2	B	HNS			0.49	0.49	0.0011		
E000080	3	B	HNS			0.8	0.8	0.0018		
E000110	1	B	PETN			7.55	7.55	0.0166		
E000110	2	B	HNS II			1.25	1.25	0.0028		
E000114	1	B	IMR 4350			535	535	1.1784		
E000115	1	B	PETN powder			5	5	0.011		
E000115	2	B	HNS powder			5	5	0.011		
E000138	1	B	Propellant for Sprint (NG, Al, AP, NC, triacetine)			15000	15000	33.04		
E000181	1	B	Detasheet C-2			1.63	1.63	0.0036		
E000019	1	B	Propellant grains for MC1951 (ammonium perchlorate, polysulfide)	25	953.4	23835	23835	52.5		
Boron Titanium Heat Powder				35	4lbs.	14016	14016	175/lbs.		

Attachment I



EWDR No.	Item No.	Waste Cat.	Description of Waste	No. of Articles	NEW per each (g)	Total NEW (g)	Gross Wt. (g)	Gross Wt. (lbs)	Scheduled Ship Date	TSDf
E000019	2	B	HNS pellets			18.4	18.4	0.0405		
E000019	3	B	HNS pellets			8.5	8.5	0.0187		
E000019	4	B	PBXN-5 powder			1	1	0.0022		
E000020	1	B	PETN pellets			0.5	0.5	0.0011		
574071	2	C	Wipes and paper with HMX			0.1	24.3	0.0535		
574003	2	C	Wipes, paper with PBX 9502			0.002	12.8	0.0282		TT
E000009	1	C	Wipes w/ PETN, 80/20 water/isopropanol			0.001	250	0.5507		TT
E000071	1	C	Wipes, swabs w/ PBX9404, IPA			0.05	115	0.25		TT
E000100	1	C	Papers w/ HMX			0.005	13.3	0.0293		TT
E000136	1	C	Wipes w/PETN, 80/20 water/isopropanol			0.345	1	0.3965		TT
E000136	2	C	Wipes w/RDX, 80/20 water/isopropanol			0.001	25	0.0551		TT
E000137	1	C	Wipes w/atasheet			0.00	1	0.0022		TT
E000137	2	C	Wipes w/HMX, 80/20 water/isopropanol			0.01	25	0.0551		TT
E000137	3	C	Wipes w/HNS			0.01	28.8	0.0634		TT
571557	1	C	1ml ea acetonitrile, tetrahydrofuran, acetone and DMF with PBXN-5			0.22		0		
571557	3	C	3 ea 1ml DMF and 1 ea 1ml acetone with PBXN-5			0.2	15	0.033		
574068	1	C	Wipes, papers with: PETN, HMX, Red lead styphnate			1	79	0.174		
574337	1	C	Wipes, rubber gloves with HNS, HMX, TATB, TP-142			5	645	1.4207		
574338	5	C	Wipes with PBX 9404, Plastic oil, water			3	1362	3		
574338	6	C	Wipes with WAK-2 propellant			25	454	1		
574338	9	C	Wipes with ARC propellant			20	200	0.4405		
574338	11	C	Wipes with HMX and HNS			1	50	0.1101		
574338	14	C	String and charcoal filter with TNT and HMX, water moist			10	4540	10		
574341	2	C	Wipes with PBX9404, ARC propellant and oil			3	1362	3		
574702	3	C	Paper w/ RDX			0.01	13.4	0.0295		
574702	6	C	Tissue w/HMX			0.04	38	0.0837		
574864	1	C	3 ea glass vials, 1ml DMF and .05 g PBXN-5			0.8	32.7	0.072		
574864	4	C	4 ea glass vials, 1ml DMF and .03 g PBXN-5			0.8	42	0.533		
574872	3	C	Glass vials of EC-7 (d-Limonene) with HNS, HNAB, PETN, TiH1.65/KClO4			3.6	27	0.6013		
E000009	4	C	Wipes w/ TATB			0.01	15	0.033		
E000009	4	C	Paper towels with HMX, TNT, ARC propellant, Mobiloil DTE Med.			3	780	1.7181		
E000012	1	C	Paper towels, plastic bags with PETN, water wet			1	100	0.2203		
E000012	3	C	Wipes with ARC propellant			1	13	0.0286		
E000013	3	C	String filter with TNT/AL, RDX, HMX, Water moist with							