

To: Project File (Memorandum)

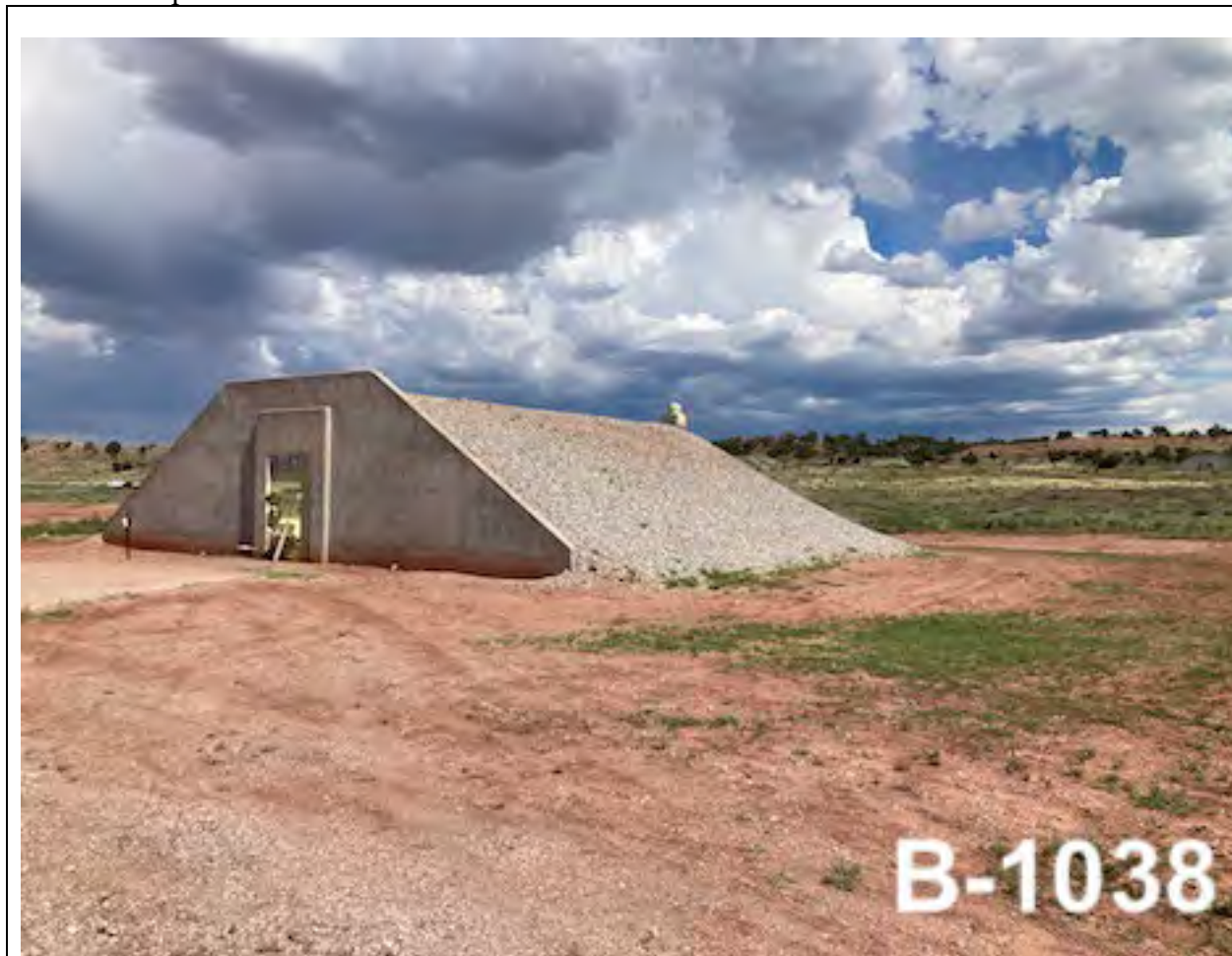
Subject: Earth Covered Magazine (ECM) Inventory of Waste Military Munitions (WMM) at Fort Wingate, NM

From: Leon (Mitch) Waters, SUXOS, AECOM, FWDA Parcel 3 Closure & Corrective Action

1. The following ECMs were inspected for compliance with DESR 6055.09 Edition 1, DoDI 4140.62, DA Pam 385-64, and SOP for Storage of Waste Military Munitions under the Conditional Exemption of the Military Munitions Rule Fort Wingate Depot Activity.
2. Two-year cycle Lightning Protection & Grounding System Test was completed on 7 April 2021 by Classic Lightning Protection, Inc. A copy of the certification test is included at the end of this report.

A. ECM B-1038

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
20mm Projectile	7720
37mm Projectile	216
40mm Projectile	1780
57mm Projectile	42
60mm Projectile	34
75mm Projectile	4
81mm Projectile	1
90mm Projectile	7
155mm Projectile	2
20lb Frag Bomb	78
Blu-4 Bomb	100
M83 Butterfly Bomb	428
3.5" Warhead	13

B. ECM B-1039

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
PD Fuze	567
BD Fuze	1100
Booster	1256

C. ECM B-1040

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
100mm WP Projectile	2

D. ECM B-1041

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
155 Illum	2
Ground/Signal	1

E. ECM B-1042

The ECM door is properly locked and indicates proper contact information. All mag cards for Donor explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
Detonation Cord	1100'
Charge, Perforator	1000

F. ECM B-1043

The ECM door is properly locked and indicates proper contact information. All mag cards for Donor explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.

**Explosive Inventory**

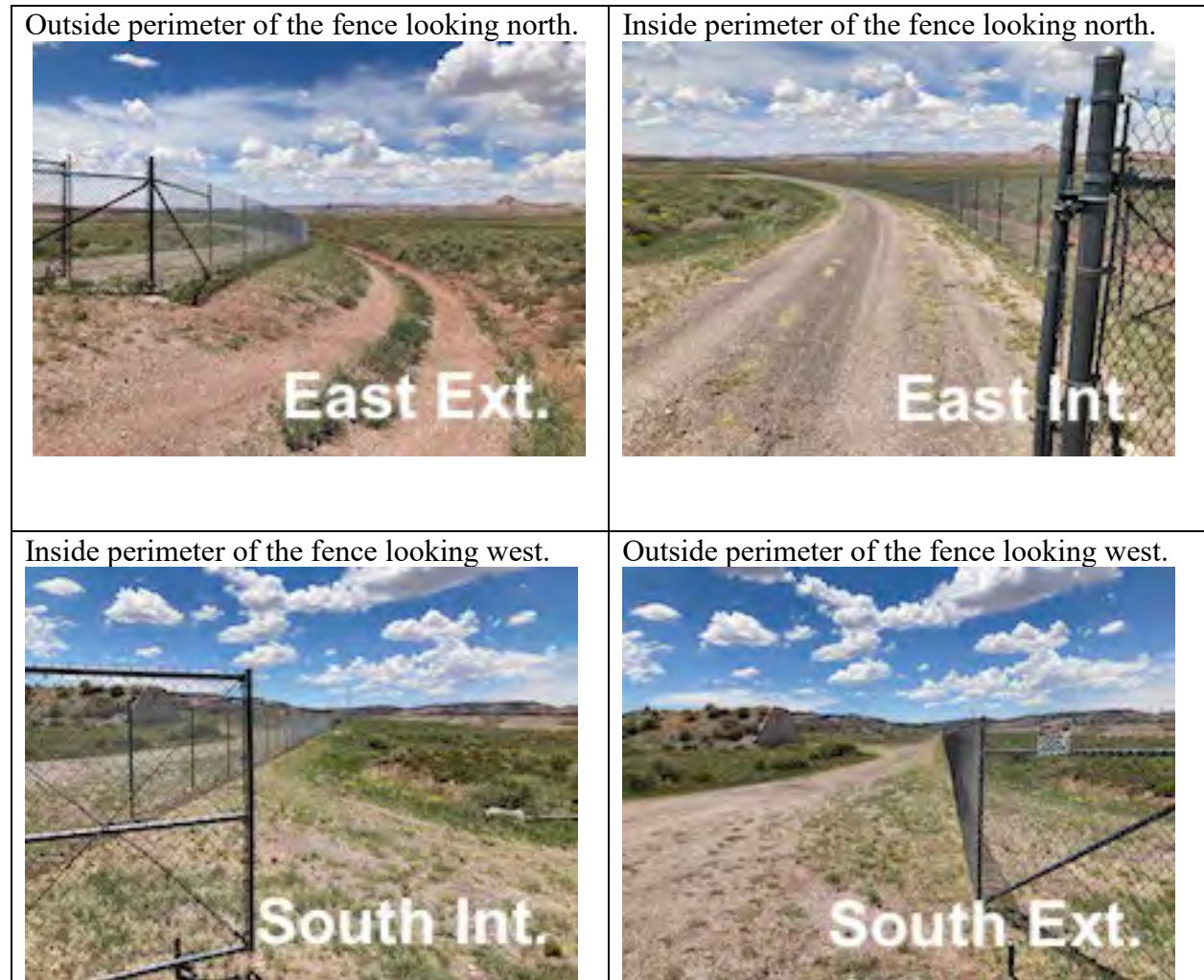
Nomenclature	Quantity
Electric Detonators	152

G. Fire Extinguisher

Fire extinguishers located near B-1038 and B-1043 are fully charged. Inspection tags are up to date as of July 2022.

H. Security Fence

The 5-foot firebreak inside and out of surrounding security is satisfactory. All gates are properly secured. See attached photos.





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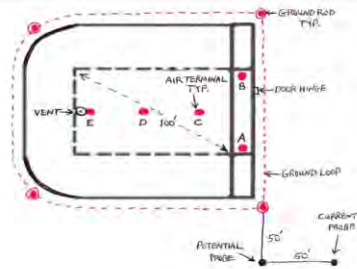


LIGHTNING PROTECTION SYSTEM TEST RESULTS 4/7/2021
Facility: Ft. Wingate Depot - Gallup, NM - 12 ECM's. 500' test leads with AEMC 4630.

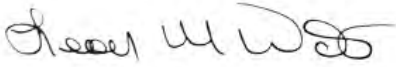
UNIT #	Errors	F.O.P.	Earth to A	A to B	A to C	A to D	A to E	Hinge
B1026	None	1.20	.01	.02	.01	.01	.01	.01
B1027	"	1.19	.01	.01	.01	.07	.01	.01
B1028	"	2.00	.01	.01	.01	.06	.01	.01
B1029	"	1.94	.01	.01	.01	.09	.01	.01
B1030	"	2.04	.02	.01	.01	.01	.01	.01
B1037	"	1.20	.01	.01	.01	.01	.01	.01
B1038	"	1.39	.01	.01	.02	.01	.01	.01
B1039	"	1.13	.01	.01	.01	.01	.01	.01
B1040	"	1.33	.01	.01	.23	.01	.01	.01
B1041	"	1.47	.01	.01	.01	.01	.01	.01
B1042	"	1.64	.01	.01	.01	.09	.01	.03
B1043	"	1.43	.01	.01	.01	.01	.01	.01
		25 ohms & under ok	1.0 ohms & under in these categories ok					

Thank you,

Kevin W. Morris, CMID, Principal
LPI Certified Master Installer/Designer #1414



3. The above ECM inventory and inspection was conducted by Leon Waters (AECOM SUXOS), Randy Burrington (AECOM UXOQC), and Caleb Clark (AECOM Tech III Demo Supervisor) on 18 July 2022.



Leon Waters
SUXOS, Fort Wingate Depot Activity
AECOM Technical Services, Inc.
(904) 945-2741

To: Project File (Memorandum)

Subject: Earth Covered Magazine (ECM) Inventory of Waste Military Munitions (WMM) at Fort Wingate, NM

From: Leon (Mitch) Waters, SUXOS, AECOM, FWDA Parcel 3 Closure & Corrective Action

1. The following ECMs were inspected for compliance with DESR 6055.09 Edition 1, DoDI 4140.62, DA Pam 385-64, and SOP for Storage of Waste Military Munitions under the Conditional Exemption of the Military Munitions Rule Fort Wingate Depot Activity.
2. Two-year cycle Lightning Protection & Grounding System Test was completed on 7 April 2021 by Classic Lightning Protection, Inc. A copy of the certification test is included at the end of this report.

A. ECM B-1037

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
20mm Projectile	68515
37mm Projectile	0
57mm Projectile	32
60mm Projectile	114
90mm Projectile	1
20lb Frag Bomb	75
Blu-4 Bomb	2
M83 Butterfly Bomb	2282
4.5" Warhead	2

B. ECM B-1038

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
40mm Projectile	50142
75mm Projectile, Non-Burnable	1
20lb Frag Bomb, Non-Burnable	1
20mm Projectile, Fuzed	262
37mm Projectile, Fuzed	22
40mm Projectile, Fuzed	501
57mm Projectile, Fuzed	25
60mm Projectile, Fuzed	7
75mm Projectile, Fuzed	26
90mm Projectile, Fuzed	1

C. ECM B-1039

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
PD Fuze	7153
BD Fuze	6485
Booster	17669

D. ECM B-1040

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
75mm WP Projectile	33
90mm WP Projectile	4
100mm WP Projectile	2

E. ECM B-1041

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.

**Explosive Inventory**

Nomenclature	Quantity
Empty	0

F. ECM B-1042

The ECM door is properly locked and indicates proper contact information. All mag cards for Donor explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.

**Explosive Inventory**

Nomenclature	Quantity
Detonation Cord	1020'
Charge, Perforator	961

G. ECM B-1043

The ECM door is properly locked and indicates proper contact information. All mag cards for Donor explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.

**Explosive Inventory**

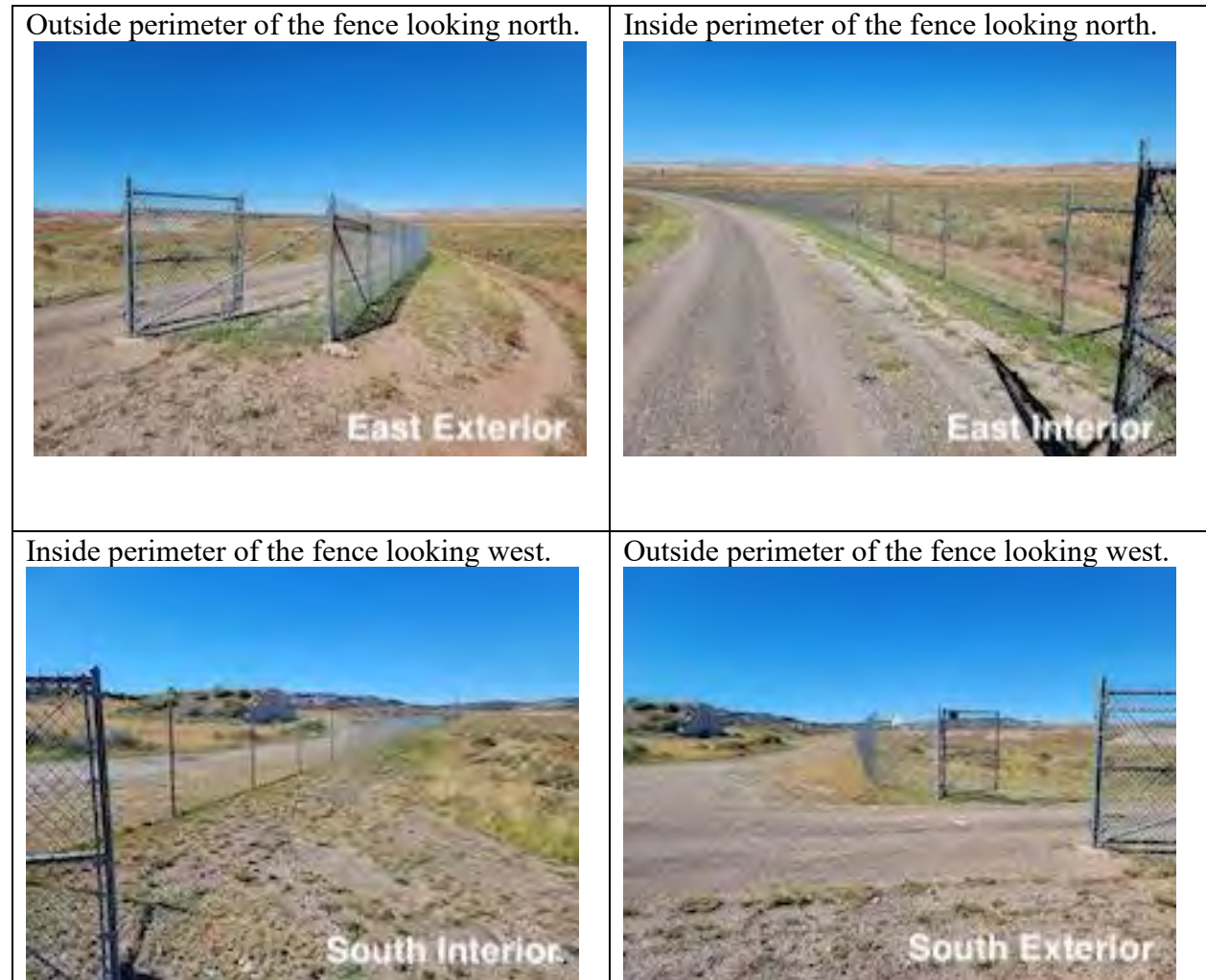
Nomenclature	Quantity
Electric Detonators	148

H. Fire Extinguisher

Fire extinguishers located near B-1038 and B-1043 are fully charged. Inspection tags are up to date as of October 2022.

I. Security Fence

The 5-foot firebreak inside and out of surrounding security is satisfactory. All gates are properly secured. See attached photos.





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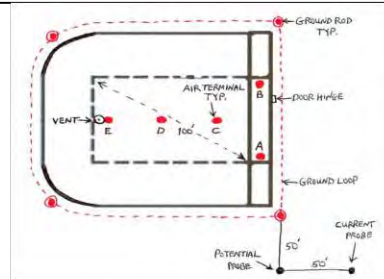
LIGHTNING PROTECTION SYSTEM TEST RESULTS 4/7/2021
Facility: Ft. Wingate Depot - Gallup, NM - 12 ECM's. 500' test leads with AEMC 4630.

UNIT #	Errors	F.O.P.	Earth to A	A to B	A to C	A to D	A to E	Hinge	
B1026	None	1.20	.01	.02	.01	.01	.01	.01	
B1027	"	1.19	.01	.01	.01	.07	.01	.01	
B1028	"	2.00	.01	.01	.01	.06	.01	.01	
B1029	"	1.94	.01	.01	.01	.09	.01	.01	
B1030	"	2.04	.02	.01	.01	.01	.01	.01	
B1037	"	1.20	.01	.01	.01	.01	.01	.01	
B1038	"	1.39	.01	.01	.02	.01	.01	.01	
B1039	"	1.13	.01	.01	.01	.01	.01	.01	
B1040	"	1.33	.01	.01	.23	.01	.01	.01	
B1041	"	1.47	.01	.01	.01	.01	.01	.01	
B1042	"	1.64	.01	.01	.01	.09	.01	.03	
B1043	"	1.43	.01	.01	.01	.01	.01	.01	
		25 ohms & under ok	1.0 ohms & under in these categories ok						

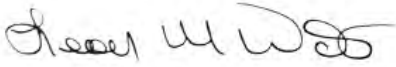
Thank you,



Kevin W. Morris, CMID, Principal
LPI Certified Master Installer/Designer #1414



3. The above ECM inventory and inspection was conducted by Leon Waters (AECOM SUXOS), Randy Burrington (AECOM UXOQC), and Michael Oldfield(AECOM Tech III Demo Supervisor) on 20 October 2022.



Leon Waters
SUXOS, Fort Wingate Depot Activity
AECOM Technical Services, Inc.
(904) 945-2741

To: Project File (Memorandum)

Subject: Earth Covered Magazine (ECM) Inventory of Waste Military Munitions (WMM) at Fort Wingate, NM

From: Leon (Mitch) Waters, SUXOS, AECOM, FWDA Parcel 3 Closure & Corrective Action

1. The following ECMs were inspected for compliance with DESR 6055.09 Edition 1, DoDI 4140.62, DA Pam 385-64, and SOP for Storage of Waste Military Munitions under the Conditional Exemption of the Military Munitions Rule Fort Wingate Depot Activity.
2. Two-year cycle Lightning Protection & Grounding System Test was completed on 7 April 2021 by Classic Lightning Protection, Inc. A copy of the certification test is included at the end of this report.

A. ECM B-1038

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



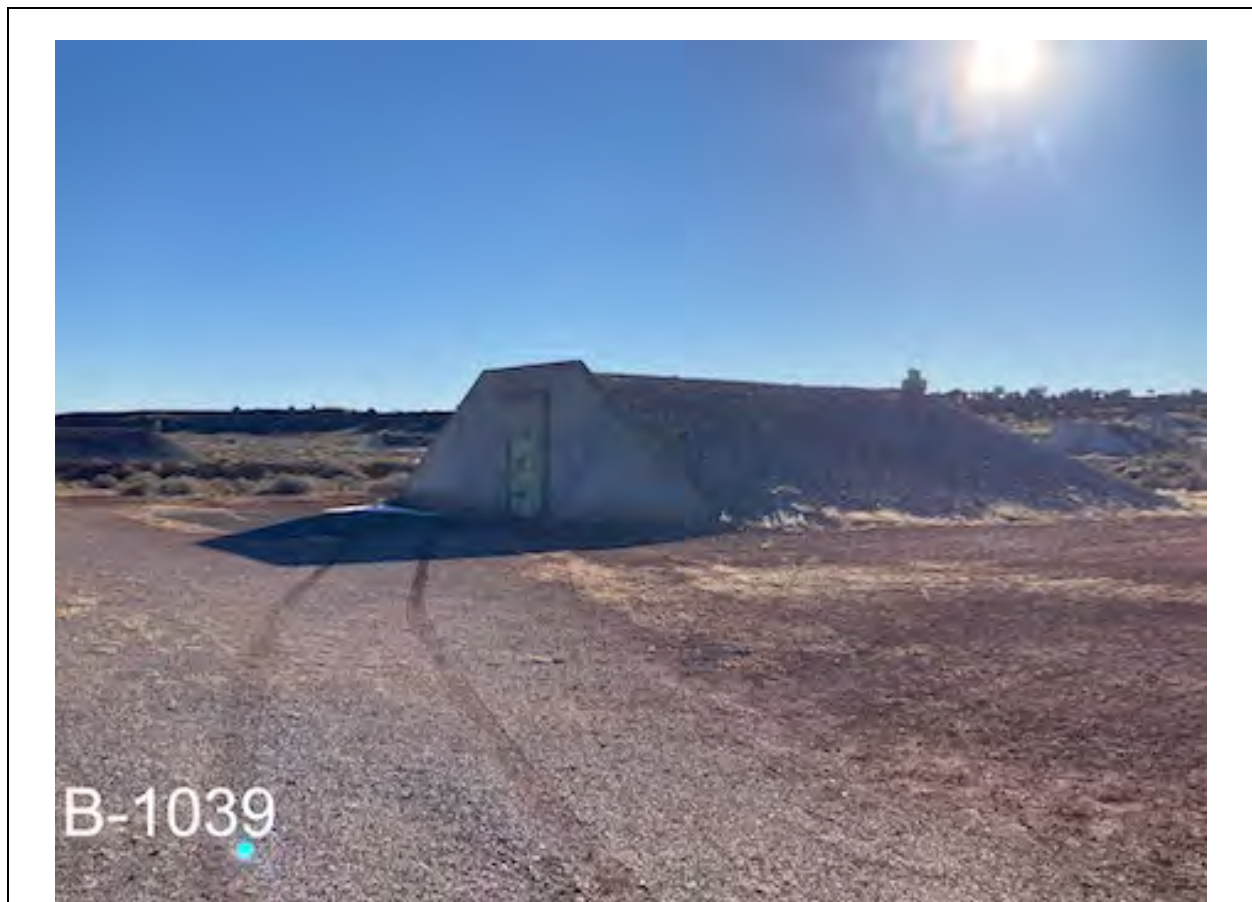
Explosive Inventory

Nomenclature	Quantity
20mm Projectile	88

Nomenclature	Quantity
37mm Projectile	18
40mm Projectile	118
57mm Projectile	2
60mm Projectile	5
75mm Projectile	2
90mm Projectile	3
20lb Frag Bomb	12
Blu-4 Bomb	43
M83 Butterfly Bomb	84

B. ECM B-1039

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.

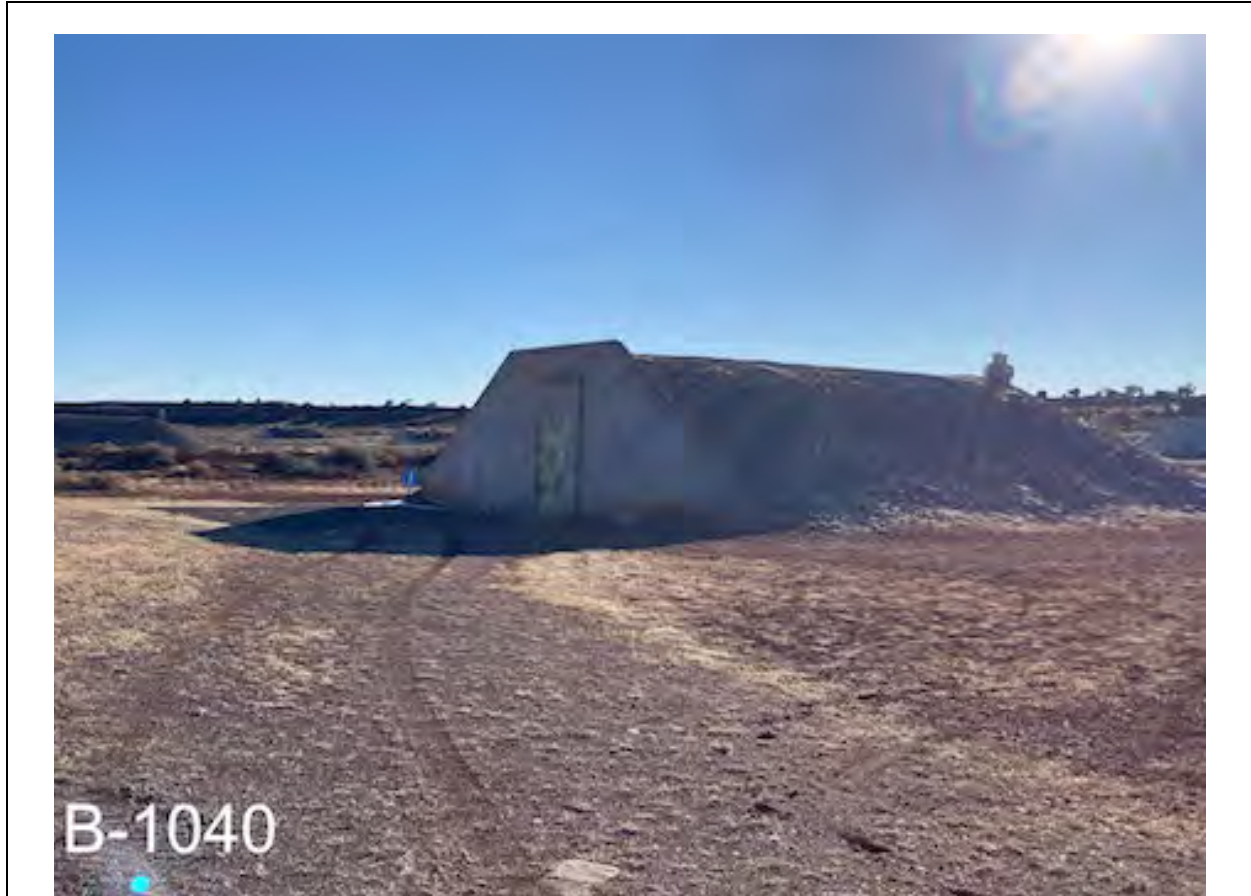


Explosive Inventory

Nomenclature	Quantity
PD Fuze	126
BD Fuze	44
Booster	122

C. ECM B-1040

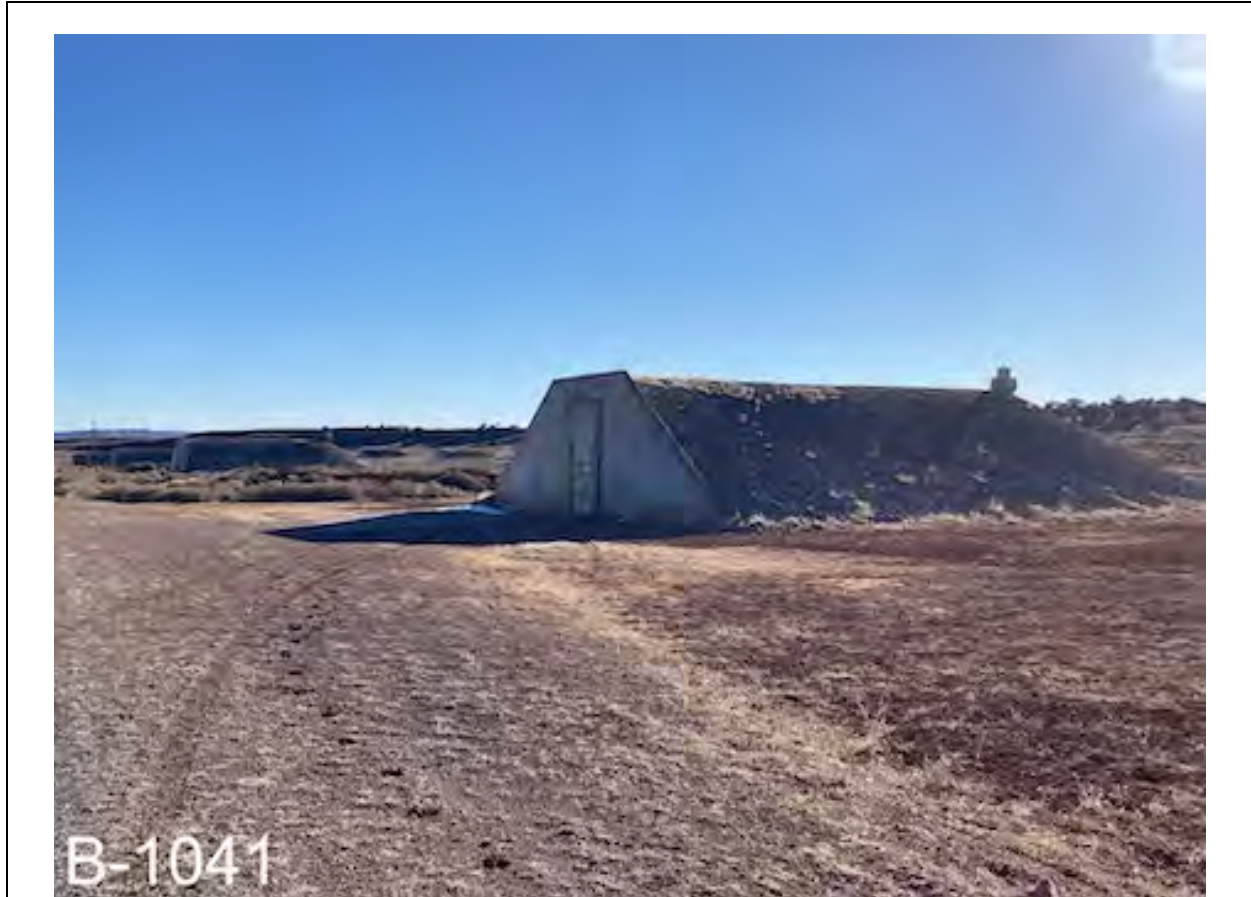
The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.

**Explosive Inventory**

Nomenclature	Quantity
75mm WP Projectile	50
81mm WP Projectile	5
90mm WP Projectile	7
105mm WP Projectile	53

D. ECM B-1041

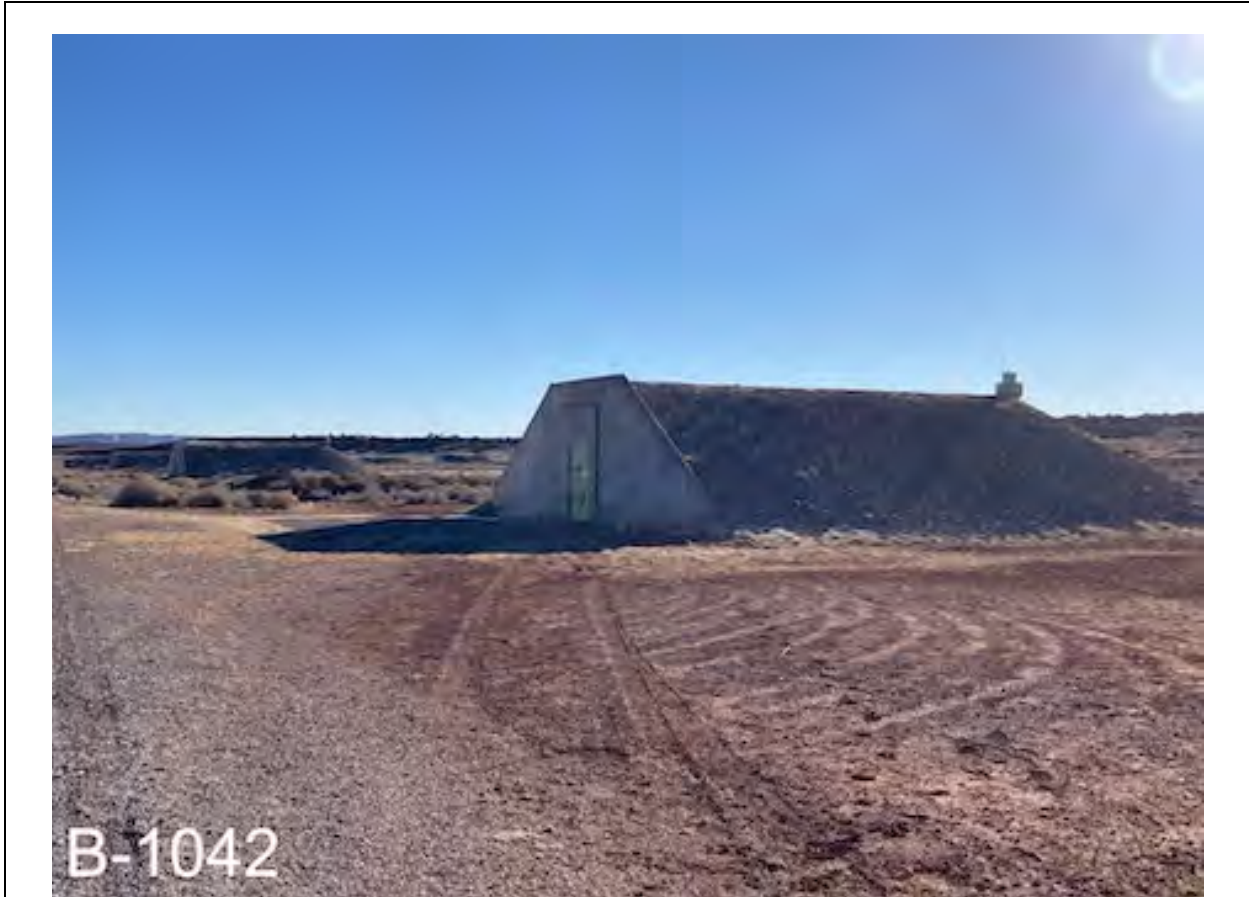
The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.

**Explosive Inventory**

Nomenclature	Quantity
155 Illum	1
Ground/Signal	1

E. ECM B-1042

The ECM door is properly locked and indicates proper contact information. All mag cards for Donor explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
Detonation Cord	435'
Charge, Perforator	271

F. ECM B-1043

The ECM door is properly locked and indicates proper contact information. All mag cards for Donor explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.

**Explosive Inventory**

Nomenclature	Quantity
Electric Detonators	79

G. Fire Extinguisher

Fire extinguishers located near B-1038 and B-1043 are fully charged. Inspection tags are up to date as of February 2022.

H. Security Fence

The 5-foot firebreak inside and out of surrounding security is satisfactory. All gates are properly secured. See attached photos.

Outside perimeter of the fence looking north.



Inside perimeter of the fence looking north.



Inside perimeter of the fence looking west.



Outside perimeter of the fence looking west.





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LIGHTNING PROTECTION SYSTEM TEST RESULTS

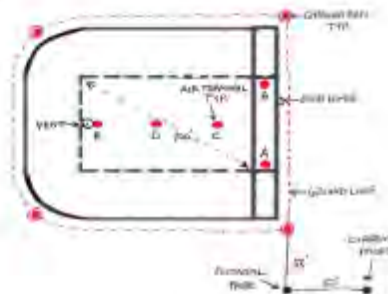
4/7/2021

Facility: Ft. Wingate Depot - Gallup, NM - 12 ECM's. 500' test leads with AEMC 4630.

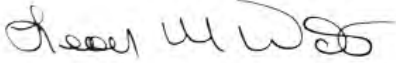
UNIT #	Errors	F.O.P.	Earth to A	A to B	A to C	A to D	A to E	Hinge	
B1026	None	1.20	.01	.02	.01	.01	.01	.01	
B1027	"	1.19	.01	.01	.01	.07	.01	.01	
B1028	"	2.00	.01	.01	.01	.06	.01	.01	
B1029	"	1.94	.01	.01	.01	.09	.01	.01	
B1030	"	2.04	.02	.01	.01	.01	.01	.01	
B1037	"	1.20	.01	.01	.01	.01	.01	.01	
B1038	"	1.39	.01	.01	.02	.01	.01	.01	
B1039	"	1.13	.01	.01	.01	.01	.01	.01	
B1040	"	1.33	.01	.01	.23	.01	.01	.01	
B1041	"	1.47	.01	.01	.01	.01	.01	.01	
B1042	"	1.64	.01	.01	.01	.09	.01	.03	
B1043	"	1.43	.01	.01	.01	.01	.01	.01	
		25 ohms & under ok	1.0 ohms & under in these categories ok						

Thank you,

Kevin W. Morris, CMID, Principal
LPI Certified Master Installer/Designer #1414



3. The above ECM inventory and inspection was conducted by Leon Waters (AECOM SUXOS), Randy Burrington (AECOM UXOQC), and Caleb Clark (AECOM Tech III Demo Supervisor) on 10 February 2022.



Leon Waters
SUXOS, Fort Wingate Depot Activity
AECOM Technical Services, Inc.
(904) 945-2741

To: Project File (Memorandum)

Subject: Earth Covered Magazine (ECM) Inventory of Waste Military Munitions (WMM) at Fort Wingate, NM

From: Leon (Mitch) Waters, SUXOS, AECOM, FWDA Parcel 3 Closure & Corrective Action

1. The following ECMs were inspected for compliance with DESR 6055.09 Edition 1, DoDI 4140.62, DA Pam 385-64, and SOP for Storage of Waste Military Munitions under the Conditional Exemption of the Military Munitions Rule Fort Wingate Depot Activity.
2. Two-year cycle Lightning Protection & Grounding System Test was completed on 06 April 2023 by Classic Lightning Protection, Inc. A copy of the certification test is included at the end of this report.

A. ECM B-1037

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
20mm Projectile	4800
37mm Projectile	80
40mm Projectile	1150
57mm Projectile	5
60mm Projectile	8
75mm Projectile	0
90mm Projectile	9
20lb Frag Bomb	29
4.5" Warhead	1
Blu-4 Bomb	2
M83 Butterfly Bomb	850

B. ECM B-1038

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
40mm Projectile	0
75mm Projectile, Non-Burnable	1
20lb Frag Bomb, Non-Burnable	0
20mm Projectile, Fuzed	5
37mm Projectile, Fuzed	0
40mm Projectile, Fuzed	15
57mm Projectile, Fuzed	2
60mm Projectile, Fuzed	3
75mm Projectile, Fuzed	2
90mm Projectile, Fuzed	0
20lb Frag Bomb, Fuzed	1

C. ECM B-1039

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
PD Fuze	8085
BD Fuze	12309
Booster	380

D. ECM B-1040

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
75mm WP Projectile	0
90mm WP Projectile	0
100mm WP Projectile	0

E. ECM B-1041

The ECM door is properly locked and indicates proper contact information. All mag cards for MEC explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
Empty	0

F. ECM B-1042

The ECM door is properly locked and indicates proper contact information. All mag cards for Donor explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
Detonation Cord	765'
Charge, Perforator	634

G. ECM B-1043

The ECM door is properly locked and indicates proper contact information. All mag cards for Donor explosives are current/correct and being stored properly; to include compatibility groups. See attached photo.



Explosive Inventory

Nomenclature	Quantity
Electric Detonators	133

H. Fire Extinguisher

Fire extinguishers located near B-1038 and B-1043 are fully charged. Inspection tags are up to date as of May 2023.

I. Security Fence

The 5-foot firebreak inside and out of surrounding security is satisfactory. All gates are properly secured. See attached photos.

Outside perimeter of the fence looking north.



Inside perimeter of the fence looking north.



Inside perimeter of the fence looking west.



Outside perimeter of the fence looking west.





Lightning Protection & Grounding Systems
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* Lightning Protection Solutions Since 1998*

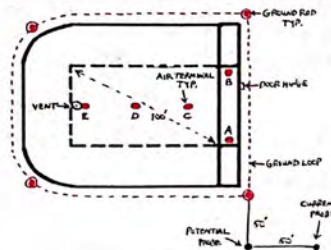
LIGHTNING PROTECTION SYSTEM TEST RESULTS 4/6/2023
Facility: Ft. Wingate Depot - Gallup, NM - 12 ECM's. 500' test leads with AEMC 4630.

UNIT #	Errors	F.O.P.	Earth to A	A to B	A to C	A to D	A to E	Hinge	
B1026	None	.91	.01	.01	.01	.01	.01	.01	
B1027	"	.95	.01	.01	.01	.01	.01	.01	
B1028	"	1.81	.03	.03	.10	.04	.02	.01	
B1029	"	1.78	.01	.01	.01	.01	.01	.01	
B1030	"	1.67	.01	.01	.01	.01	.01	.01	
B1037	"	.87	.01	.01	.01	.01	.01	.18	
B1038	"	.96	.51	.49	.51	.48	.46	.30	
B1039	"	.98	.01	.01	.70	.05	.01	.01	
B1040	"	1.15	.01	.01	.01	.01	.01	.01	
B1041	"	.99	.01	.01	.01	.01	.01	.01	
B1042	"	1.30	.35	.27	.25	.17	.28	.61	
B1043	"	1.16	.28	.55	.01	.01	.85	.01	
		25 ohms & under ok	1.0 ohms & under in these categories ok						

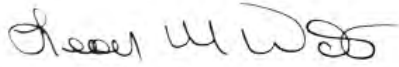
*Note: All 12 ECM's comply with standards.

Thank you,


Kevin W. Morris, CMID, Principal
LPI Certified Master Installer/Designer #1414



3. The above ECM inventory and inspection was conducted by Leon Waters (AECOM SUXOS), Randy Burrington(AECOM UXOQCS), and Michael Oldfield(AECOM Tech III Demo Supervisor) on 01 May, 2023.



Leon Waters
SUXOS, Fort Wingate Depot Activity
AECOM Technical Services, Inc.
(904) 945-2741