#### PERMIT ATTACHMENTS

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#### ATTACHMENT 1

#### GENERAL FACILITY DISCRIPTION

Cannon Air Force Base (CAFB) is currently an active military installation that houses the United States Air Force's 27<sup>th</sup> Special Operations Wing. Cannon Air Force Base is located in eastern New Mexico on approximately 4,320 acres of land owned by the federal government in Curry County, New Mexico. The site is located seven miles west of Clovis, fifteen miles north of Portales, New Mexico, and south of United States Highway 64/84. Based on World Grid System 1984 (WGS84) the Facility is located at a latitude of 34 degrees, 22 minutes, and 46.168 seconds and a longitude of 103 degrees, 18 minutes, and 30.459 seconds.

CAFB is situated in the Southern High Plains Physiographic Provence of the Llano Estacado, a nearly flat east to southeast gently sloping plain. No major streams exist on or near CAFB. Running Water Draw and Frio Draw located approximately ten to 20 miles from the Base, respectively, are the nearest ephemeral streams in proximity to the facility.

Adjacent land is comprised of mixed use land utilized as residential, agricultural, and farmland to the north; agricultural and farmland to the east and south; and agricultural and open grassland to the west.

Development at CAFB dates to 1929 when the facility was a civilian passenger terminal (Portair Field). The Army Air Corps acquired control of the facility in 1942 and it was renamed Clovis Army Air Base. Clovis Army Air Base operated as an installation for aviation, bombing, and gunnery training until 1947 when the facility was deactivated. The base was reactivated as Clovis Air Force Base in 1951 and became a permanent military installation in 1957, when it was renamed Cannon Air Force Base. The 312<sup>th</sup> Tactical Fighter Wing (TFW) was the host unit at CAFB until 1959 when it was replaced by the 27<sup>th</sup> TFW. Continued use of the facility was evaluated by the Base Realignment and Closure (BRAC) Commission following the United States Secretary of Defense's recommendation to close the base in May 2005. Following review, the BRAC Commission recommended the installation remain open until the end of 2009 or until a new mission was found for the facility. The 27<sup>th</sup> Special Operations Wing (SOW) was activated at CAFB in 2006 under control of the Air Force Special Operations Command. The 27<sup>th</sup> SOW continues as the host unit at CAFB and conducts special operations missions including close air support, unmanned aerial vehicle operations, and non-standard aviation operations.

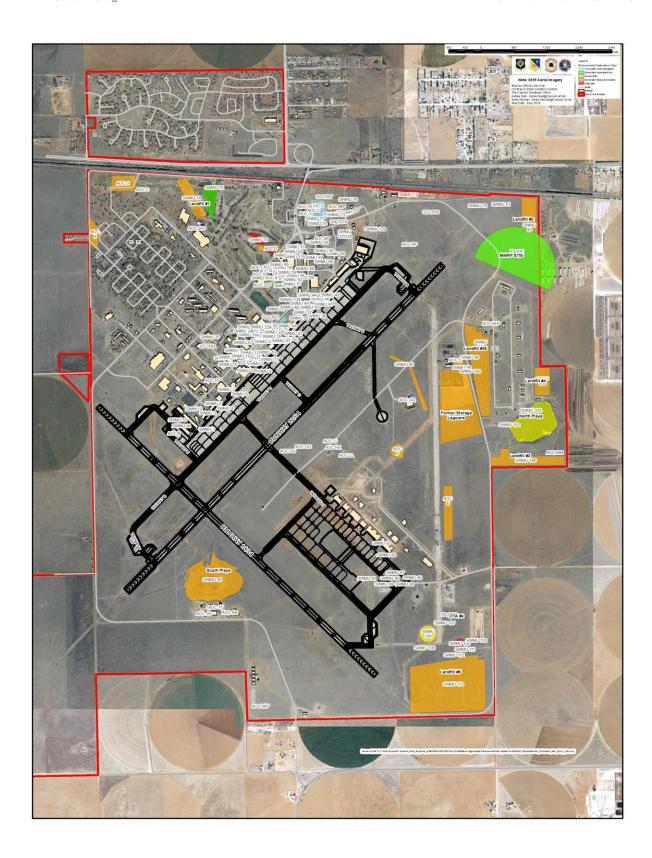
#### PERMITTED ACTIVITIES

CAFB is a large quantity generator of hazardous waste and does not currently manage hazardous waste beyond 90-days. Storage of hazardous waste for less than 90 days is subject to the hazardous waste generator requirements of 20.4.1.300 NMAC (incorporating 40 CFR § 262) and does not require a permit. CAFB obtained a Resource Conservation and Recovery Act (RCRA) permit to store hazardous waste for periods greater than 90 days in a Container Storage Unit in 1989. The

Cannon Air Force Base RCRA Permit No. NM7572124454

Container Storage Unit was closed in August 2003; however, corrective action is required at solid waste management units (SWMUs) and areas of concern (AOCs) to comply with 20.4.1.500 NMAC (incorporating 40 CFR § 264.101). In October 2003, NMED issued a RCRA Corrective Action Permit to address sites where releases of hazardous waste or hazardous constituents were identified that require corrective action. Currently, corrective action is required at 63 solid waste management units (SWMUs) and areas of concern (AOCs). Corrective action has been completed at 136 SWMUs and AOCs.

#### ATTACHMENT 2 FACILITY MAP



# ATTACHMENT 3 CORRECTIVE ACTION STATUS TABLES

#### **ATTACHMENT 1**

#### SOLID WASTE MANAGEMENT UNIT AND AREA OF CONCERN STATUS TABLES

#### TABLE 1 LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND AREAS OF CONCERN (AOCs) REQUIRING CORRECTIVE ACTION RELEASE ASSESSMENT OR **DESCRIPTION COMMENTS** SWMU/AOC INVESTIGATION WORK PLAN DUE DATE NDI lab dip tank SWMU 21 December 31, 2018 SWMU 22a,b NDI lab developer tank December 31, 2018 NDI lab emulsifier processing tank SWMU 23a,b December 31, 2018 SWMU 24a,b NDI lab silver recovery tank December 31, 2018 SWMU 25 NDI lab drum storage area December 31, 2018 SWMU 26 NDI lab fixer processing tank December 31, 2018 Lead acid battery shop neutralization tank December 31, 2018 **SWMU 27** SWMU 28 December 31, 2018 Used battery casings storage area NiCad Battery Rinse sink December 31, 2018 SWMU 29 AGE Maintenance Shop Washrack SWMU 30 December 31, 2018

SWMU/AOC	DESCRIPTION	COMMENTS	RELEASE ASSESSMENT OR INVESTIGATION WORK PLAN DUE DATE
SWMU 36	Former MWR Auto Body Shop (now building 214)	The current MWR Outdoor Recreation Center (Building 214) is constructed on this site	Deferred
SWMU 64	Civil engineering open yard PCB storage	Reviewed Table Revision	December 31, 2018
SWMU 65	Former interim status hazardous waste storage facility	Reviewed Table Revision	December 31, 2018
SWMU 70	Oil/Water Separator and Leach Field 326	Underground storage tank (20,000 gallon) which is used to recover oily material prior to discharge to a leaching field.	Submitted
SWMU 73	Stormwater Drainage and Retention Pond	Runoff water from streets and operations in the Cantonment Area of the Air Force Base.	Submitted
SWMU 77	Civil Engineering Container Storage Area	Container storage area (100 ft by 200 ft) which was used to store 55-gallon drums	Deferred
SWMU 103	Wastewater Playa Lake	Natural land depression (13 acres) which receives stormwater discharge and waste solvents from SWMU 9.	Deferred

SWMU/AOC	AOC DESCRIPTION COMMENTS		RELEASE ASSESSMENT OR INVESTIGATION WORK PLAN DUE DATE	
SWMU 107	Fire Department Training Area No. 3	Inactive, unlined fire training area (100 ft in diameter) used during fire training exercises.	Submitted	
SWMU 108	Explosive Ordinance Disposal Activities Area	Active Unit (1800 ft in diameter) used for ammunition disposal training operations.	Deferred	
SWMU 109	Fire Department Training Area No. 4	Inactive, unlined fire training area (400 ft in diameter) used during fire training exercises.  Previously, this site was	Submitted	
SWMU 127	Oil/Water Separator Near Tank 4095 (#1) & Leach field	Underground storage tank used to recover washdown materials.	Submitted	
SWMU 129	Waste Oil Storage Facility 244	Formerly known as AOC "I"	Submitted	
AOC CC*	POL Storage Tank No. 420	Reviewed Table Revision	July 31, 2019	
AOC EE*	POL Storage Tank No. 444	Reviewed Table Revision	July 31, 2019	
AOC FF*	POL Storage Tank No. 728	Reviewed Table Revision	July 31, 2019	
AOC GG*	POL Storage Tank No. 1400	Reviewed Table Revision	Submitted	

SWMU/AOC	DESCRIPTION	COMMENTS	RELEASE ASSESSMENT OR INVESTIGATION WORK PLAN DUE DATE
AOC HH*	POL Storage Tank No. 2110	Reviewed Table Revision	July 31, 2019
AOC II*	POL Storage Tank No. 2160	Reviewed Table Revision	July 31, 2019
AOC JJ	POL Storage Tank No. 2276	Reviewed Table Revision	July 31, 2019
AOC KK	POL Storage Tank No. 2280	Reviewed Table Revision	July 31, 2019
AOC LL	POL Storage Tank No. 2285	Reviewed Table Revision	July 31, 2019
AOC MM	POL Storage Tank No. 2300	Reviewed Table Revision	July 31, 2019
AOC NN	POL Storage Tank No. 2302	Reviewed Table Revision	July 31, 2019
AOC OO	POL Storage Tank No. 2307	Reviewed Table Revision	July 31, 2019
AOC PP	POL Storage Tank No. 2309	Reviewed Table Revision	July 31, 2019
AOC QQ	POL Storage Tank No. 2313	Reviewed Table Revision	July 31, 2019
AOC RR	POL Storage Tank No. 2321	Reviewed Table Revision	July 31, 2019
AOC SS	POL Storage Tank No. 2327	Reviewed Table Revision	July 31, 2019
AOC TT	POL Storage Tank No. 2328	Reviewed Table Revision	July 31, 2019
AOC UU	POL Storage Tank No. 2330	Reviewed Table Revision	July 31, 2019

SWMU/AOC	DESCRIPTION	COMMENTS	RELEASE ASSESSMENT OR INVESTIGATION WORK PLAN DUE DATE
AOC ZZ	NSAv Maintenance Hanger, Facility No. 133	Additional Area of Concern Added	Deferred
AOC AAA	HAZ-Mat Storage, Facility No. 202	Additional Area of Concern Added	Deferred
AOC BBB	EOD, Facility No. 130	Additional Area of Concern Added	Deferred
AOC CCC	Corrosion Control Hanger, Facility No. 199	Additional Area of Concern Added	Deferred
AOC DDD	Vehicle Maintenance, Facility No. 335	Additional Area of Concern Added	Deferred
AOC EEE	Vehicle Maintenance, Facility No. 379	Additional Area of Concern Added	Deferred
AOC FFF	Munitions Wash Rack, Facility No. 2153	Additional Area of Concern Added	Deferred
AOC GGG	Munitions Storage Area	Additional Area of Concern Added	Deferred
AOC HHH	POL/Liquid Fuels System	Additional Area of Concern Added	Deferred

SWMU/AOC	DESCRIPTION	COMMENTS	RELEASE ASSESSMENT OR INVESTIGATION WORK PLAN DUE DATE
AOC III	Vehicle Maintenance, Facility No. 375	Area of Concern	Deferred
AOC JJJ	Fire Training Area and adjacent ponding area (approx. 900 Feet SE of SE flight apron)	Area of Concern	Deferred
AOC KKK	Various berm and concrete pad structures and pits approximately 850 feet northwest of AOC F  Area of Concern  December 31, 2		December 31, 2019
AOC LLL	Various berm and concrete pad structures and pits (approx. 850 feet northwest of AOC F)	Area of Concern	July 31, 2019
AOC MMM	Two ASTs at northwest portion of new southeast aircraft hangar area	Area of Concern	Deferred
AOC MMM	Two ASTs at southeast portion of new southeast aircraft hangar area	Area of Concern	Deferred
AOC NNN	Berm structure northwest adjacent to Taxiway F	Area of Concern	December 31, 2019
AOC 000	New southeast Aircraft Hanger/ Maintenance Faculty	Area of Concern	Deferred

SWMU/AOC	DESCRIPTION	COMMENTS
SWMU 2	Recovered Diesel Tank No. 108	CAC <sup>3</sup> Approved January, 2015.
SWMU 3	Oil/Water Separator No. 108	NFA Approval February 27, 2006
SWMU 4	Recovered Tank No. 121	CAC Approved January, 2015
SWMU 6	POL Tank No. 129	CAC Approved January, 2015
SWMU 12	Jet engine shop dip tank	1
SWMU 13	Jet engine shop indoor washrack	1
SWMU 14	Pneudraulics shop PD-680 dip tank	1
SWMU 15	Pneudraulics shop former drum storage	1
SWMU 17	Bearing cleaner tank	1
SWMU 18	Bearing cleaner and carbon remover	1
SWMU 19	Container accumulation area No. 681	1

### TABLE 2 LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND AREAS OF CONCERN (AOCs)

SWMU/AOC	DESCRIPTION	COMMENTS
SWMU 20	Armament recording lab floor drains	1
SWMU 34	AGE Drainage Ditch	CAC Approved January, 2015
SWMU 36b	Wheel and Tire Shop Dip Tank	Reviewed Table Revision April 2017
SWMU 37	Wheel and tire shop cold stripper dip tank	1
SWMU 40	Corrosion control shop drum storage area	
SWMU 41	Corrosion control shop dumpster	
SWMU 42	Corrosion control shop water holding tank	1
SWMU 43	Fuel systems repair shop bowser	1
SWMU 44	Corrosion control shop parts stripper Building 196	1
SWMU 51	Oil/Water Separator No. 375	NFA Approval February 27, 2006

#### LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND AREAS OF CONCERN (AOCs)

SWMU/AOC	DESCRIPTION	COMMENTS
SWMU 52	Waste oil and hydraulic fluid bowser	1
SWMU 53	Special purpose vehicle maintenance shop floor drains	
SWMU 54	Special purpose vehicle maintenance shop drum storage	
SWMU 55	Lead acid battery accumulation point	NFA Approval February 27, 2006
SWMU 56	Lead acid battery storage area	1
SWMU 58	Special purpose vehicle maintenance shop PD-680 dip tank	1
SWMU 59	Civil engineering paint shop	1
SWMU 60	Civil engineering paint shop waste containers	1
SWMU 67	DPDO PCB storage facility	1
SWMU 68	Civil engineering department PCB storage facility	1

### TABLE 2 LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND AREAS OF CONCERN (AOCs)

SWMU/AOC	DESCRIPTION	COMMENTS
SWMU 69	New entomology mixing room, sink, and floor drains	1
SWMU 74	Landfill No. 1	NFA Approval February 27, 2006
SWMU 78	Fire Department Training Area No. 1	CAC Approved January, 2015
SWMU 80	Drum storage area	Not observed during RFI
SWMU 82	Landfill No. 2	CAC Approved January 2015
SWMU 83	Sump	NFA Approval February 27, 2006
SWMU 84	Waste oil and product storage area	1
SWMU 85	Stormwater Collection Point	CAC Approved January, 2015
SWMU 93	Oil/Water Separator No. 5121	NFA Approval February 27, 2006
SWMU 94	Oil/Water Separator No. 5144	NFA Approval February 27, 2006
SWMU 95	NE Stormwater Drainage Area	CAC Approved January, 2015
SWMU 96	Old Entomology Rinse Area	CAC Approved January, 2015

### TABLE 2 LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND AREAS OF CONCERN (AOCs)

SWMU/AOC	DESCRIPTION	COMMENTS
SWMU 97	Concrete Rubble Pile (Landfill No. 25)	CAC Approved January, 2015
SWMU 99	Wastewater treatment system bar screen	1
SWMU 100	Wastewater treatment system	1
SWMU 101	Wastewater Treatment System Lagoons	CAC Approved July 2016
SWMU 102	Wastewater Treatment Effluent Discharge	CAC Approved January, 2015
SWMU 104	Landfill No. 4	CAC Approved January, 2015
SWMU 105	Landfill No. 3	CAC Approved January, 2015
SWMU 113	Landfill No. 5 Cell 3	NFA Approval February 27, 2006
AOC D	Asbestos Burial Pit	NFA Approval February 27, 2006
AOC E	Runway disposal pile	NFA Approval February 27, 2006
AOC F	Gunsight target berm	NFA Approval February 27, 2006

#### LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND AREAS OF CONCERN (AOCs)

SWMU/AOC	DESCRIPTION	COMMENTS
AOC D*	Aircraft washrack holding tank	AOCs D* through YY* were originally designated AOCs D through YY in the 1987 RFA.  However, during the 1999 Annual Unit Audit, new AOCs D through I were designated.
AOC E*	POL Storage Tank No. 140	NFA Approved February 27, 2006
AOC F*	POL Storage Tank No. 163	
AOC G*	POL Storage Tank No. 181	
AOC H*	POL Storage Tank No. 182-A	
AOC I*	POL Storage Tank No. 183-B	AOCs D* through YY* were originally designated AOCs D through YY in the 1987 RFA.
AOC J*	POL Storage Tank No. 184	However, during the 1999 Annual Unit Audit, new AOCs D through I were identified.
AOC K*	POL Storage Tank No. 185	
AOC L*	POL Storage Tank No. 187	
AOC M*	New entomology building product storage area	
AOC R*	POL Storage Tank No. 374	
AOC S*	POL Storage Tank No. 376	
AOC T*	POL Storage Tank No. 377	-

### TABLE 2 LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND AREAS OF CONCERN (AOCs)

SWMU/AOC	DESCRIPTION	COMMENTS
AOC U*	POL Storage Tank No. 378	
AOC V*	POL Storage Tank No. 392a	
AOC W*	POL Storage Tank No. 392b	
AOC X*	POL Storage Tank No. 392c	
AOC Y*	POL Storage Tank No. 392d	
AOC Z*	POL Storage Tank No. 394	
AOC AA*	POL Storage Tank No. 395	
AOC BB*	POL Storage Tank No. 396	
AOC DD*	Inactive POL Storage Tank No. 443	

- 1. Based on the results of EPA's RFA Report of July 29, 1987, it was determined that additional investigation at this SWMU/AOC was not warranted.
- 2. NFA-No Further Action
- 3. CAC-Corrective Action Complete

#### LIST OF SOLID WASTE MANAGEMENT UNITS (SWMUs) AND AREAS OF CONCERN (AOCs) $\,$

DESCRIPTION	COMMENTS
Oil/Water Separator No. 119	Reviewed Table Revision
Oil/Water Separator No. 121	Reviewed Table Revision
Oil/Water Separator No. 129	Reviewed Table Revision
Oil/Water Separator No. 165	Reviewed Table Revision
Aircraft Washrack Drain System	Reviewed Table Revision
POL Tank No. 170	CAC¹ Approved January, 2015
Oil/Water Separator No. 170	Reviewed Table Revision
Oil/Water Separator No. 680	Reviewed Table Revision
AGE Maintenance Shop Pad	CAC Approved January, 2015
Oil/Water Separator No. 186 (#1 – East)	Reviewed Table Revision
Oil/Water Separator No. 186 (#2 – West)	Reviewed Table Revision
Aircraft drip pans	Reviewed Table Revision
Former MWR Auto Body Shop disposal pit)	CAC Approved August 2017
	Oil/Water Separator No. 121  Oil/Water Separator No. 129  Oil/Water Separator No. 165  Aircraft Washrack Drain System  POL Tank No. 170  Oil/Water Separator No. 170  Oil/Water Separator No. 170  Oil/Water Separator No. 680  AGE Maintenance Shop Pad  Oil/Water Separator No. 186 (#1 – East)  Oil/Water Separator No. 186 (#2 – West)  Aircraft drip pans

SWMU/AOC	DESCRIPTION	COMMENTS
SWMU 38	Oil/Water Separator No. 194	Reviewed Table Revision
SWMU 39	Oil/Water Separator No. 195	Reviewed Table Revision
SWMU 45	Paint spray booth air purifiers	Reviewed Table Revision
SWMU 46	Oil/Water Separator No. 196	Reviewed Table Revision
SWMU 47	Oil/Water Separator No. 494	Reviewed Table Revision
SWMU 48a	Underground Waste Oil Tank	CAC Approved August 2017
SWMU 48B	Aboveground Overflow Capacity Tank	Reviewed Table Revision
SWMU 49	Inactive POL Storage Tank No. 4028a	CAC approved August 2017
SWMU 50	Inactive POL Storage Tank No. 4028b	CAC Approved January, 2015
SWMU 57	Oil/Water Separator No. 379	Reviewed Table Revision
SWMU 61	Sand trap No. 5077A	Reviewed Table Revision
SWMU 62	Sand Trap No. 5077B	Reviewed Table Revision
SWMU 63	Oil/Water Separator No. 5077C	Reviewed Table Revision
SWMU 66	Hazardous Waste Storage Facility at Building 226	Reviewed Table Revision

SWMU/AOC	DESCRIPTION	COMMENTS
SWMU 76	Sludge Weathering Pit	Reviewed Table Revision April 2017
SWMU 71	Recovered JP 4 Fuel Tank No. 390	CAC Approved July 2016
SWMU 72	Oil/Water Separator 390	CAC Approved January, 2015
SWMU 75	Sanitary Sewage Lift Station Overflow Pit	CAC Approved January, 2015
SWMU 79	Underground Tank	CAC Approved January, 2015
SWMU 81	Solvent Disposal Site	CAC Approved January, 2015
SWMU 86	Engine Test Cell	CAC Approved January, 2015
SWMU 87	Former Overflow Pit	CAC Approved January, 2015
SWMU 88	Former Leaching Field	CAC Approved January, 2015
SWMU 89	Evaporation Pond	CAC Approved January, 2015
SWMU 90	Oil/Water Separator No. 5114	CAC Approved January, 2015
SWMU 91	Recovered Fuel Tank No. 5114	CAC Approved July 2016
SWMU 92	Oil/Water Separator No. 5120	Reviewed Table Revision
SWMU 98	Sanitary Sewage Line	CAC Approved January, 2015

SWMU/AOC	DESCRIPTION	COMMENTS
SWMU 106	Fire Department Training Area No. 2	CAC Approved January, 2015
SWMU 110	Underground Waste Oil Tank No. 2336	CAC Approved January, 2015
SWMU 111	Unlined Pit	CAC approved August 2017
SWMU 112	Oil/Water Separator No. 2336	Cac Approved August 2017.
SWMU 121	Containers for clean and dirty Speedydry	Reviewed Table Revision
SWMU 122	Sanitary dumpsters	Reviewed Table Revision
SWMU 123	Dirty rag disposal can	Reviewed Table Revision
SWMU 124	Inactive Underground Storage Tank 1	CAC Approved January, 2015
SWMU 125	Inactive Underground Storage Tank 2	CAC Approved January, 2015
SWMU 126	Inactive Underground Storage Tank 3	CAC Approved July 2016
SWMU 128	Deleted	Duplicate of SWMU 127
AOC A	MOGAS Spill Site	Site OF Two automobile gasoline spills.
AOC B	JP-4 Fuel Spill	CAC Approved January, 2015
AOC C	Blown Capacitor Site	CAC Approved January, 2015

SWMU/AOC	DESCRIPTION	COMMENTS
AOC G	North Housing Site	Reviewed Table Revision
AOC H	South Housing Site	Reviewed Table Revision
AOC N*	POL Storage Tank No. 368a	Reviewed Table Revision
AOC O*	POL Storage Tank No. 368b	Reviewed Table Revision
AOC P*	POL Storage Tank No. 368c	Reviewed Table Revision
AOC Q*	POL Storage Tank No. 368d	Reviewed Table Revision
AOC VV	POL Storage Tank No. 3117	Reviewed Table Revision
AOC WW	POL Storage Tank No. 3118	Reviewed Table Revision
AOC XX	POL Storage Tank No. 3121a	Reviewed Table Revision
AOC YY	POL Storage Tank No. 3121b	Reviewed Table Revision