



SUSANA MARTINEZ  
Governor

JOHN A. SANCHEZ  
Lieutenant Governor

NEW MEXICO  ENTERED  
ENVIRONMENT DEPARTMENT

*Office of the Secretary*

Harold Runnels Building  
1190 Saint Francis Drive, PO Box 5469  
Santa Fe, NM 87502-5469  
Telephone (505) 827-2855 Fax (505) 827-2836  
[www.env.nm.gov](http://www.env.nm.gov)



BUTCH TONGATE  
Cabinet Secretary

J.C. BORREGO  
Deputy Secretary

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

May 12, 2017

Adam Kusmak  
Chief, Installation Management Flight  
49<sup>th</sup> CES/CEI  
550 Tabosa Avenue  
Holloman AFB, NM 88330

**RE: PETITION FOR CORRECTIVE ACTION COMPLETE FOR THIRTY-TWO  
SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN  
HOLLOMAN AIR FORCE BASE, EPA ID # NM6572124422  
HWB-HAFB-15-009**

Dear Mr. Kusmak:

Five Class 3 Permit Modification Requests (“PMRs”) were submitted to the New Mexico Environment Department (“NMED” or “Department”) between September 28, 2015 and October 1, 2015 to modify the U.S. Air Force’s Holloman Air Force Base (the “Permittee”) Hazardous Waste Facility Resource Conservation and Recovery Act (“RCRA”) Permit No. NM6572124422 (the “Permit”) pursuant to 20.4.1.900 NMAC [incorporating 40 CFR §270.42(c)]. The proposed permit modification would grant Corrective Action Complete (“CAC”) Without Controls status for 28 Solid Waste Management Units and Areas of Concern (“SWMUs” and “AOCs”), and modify Part 4 of the Permit to move these SWMUs and AOCs from the Permit’s Appendix 4-A, Table A (*Summary of SWMUs/AOCs Requiring Corrective Action*) to Appendix 4-A, Table B (*Summary of SWMUs/AOCs With Corrective Action Complete Without Controls*). It would also grant CAC With Controls status for four SWMUs and move those sites from Table A to Table C (*Summary of SWMUs/AOCs With Corrective Action Complete With Controls*). In addition, seven previously unidentified sites potentially requiring corrective action would be added as AOCs to Table A and one AOC would be moved from Table B to Table A because new information revealed that additional corrective action is potentially required at the site.

On January 25, 2017, the Department issued a public notice regarding the proposed permit

Mr. Adam Kusmak  
May 12, 2017  
Page 2 of 2

modifications. The public comment period for this action ended March 27, 2017. The only comments received were from the Permittee on March 24, 2017. NMED's response to these comments is presented in the attached comment matrix and are reflected in the attached Table A. The NMED has also made minor editorial changes to the Permit which are also indicated in the attached Table A. This included changing the Unit Name for AOC-H (SS-18) from *Chromic Acid Spill Area* to *VOC Spill Site*, as this more accurately describes current site conditions. It also included changing the ERP Site ID for AOC-T from *SS-02/05* to *SS-002*, as this is how the Permittee has been referring to the site in the most recent document submittals.

Under the authority of the New Mexico Hazardous Waste Act (Section 74-4-1 *et seq.*, NMSA 1978, as amended) and the New Mexico Hazardous Waste Management Regulations (20.4.1.901 NMAC), the Department hereby grants CAC Without Controls status for 28 SWMUs and AOCs as indicated on the attached Table B and CAC With Controls status for the four SWMUs and AOCs as indicated on the attached Table C. This action will also result in seven previously unidentified sites potentially requiring corrective action being added as AOCs to Table A and one additional AOC will be moved from Table B to Table A.

Attached is the comment response matrix, the redline strikethrough version of Table A showing changes made because of the comments received, as well as the final versions of Tables A, B and C of the Permit's Part 4, Appendix 4-A.

This decision to grant CAC status to these SWMUs and AOCs shall become effective thirty (30) days after the date of this letter. If you have any questions regarding this matter, please contact Mr. John Kieling of my staff at (505) 476-6035.

Sincerely,



J.C. Borrego  
Deputy Secretary  
New Mexico Environment Department

cc: J. Kieling, NMED HWB  
D. Cobrain, NMED HWB  
C. Amindyas, NMED HWB  
D. Strasser, NMED HWB  
C. Schick, HAFB  
D. Griffin, HAFB  
L. King, EPA, Region 6 (6MM-RC)  
C. Hendrickson, EPA, Region 6 (6MM-RC)

File: HAFB 2017 and Reading  
HAFB-15-009

**NEW MEXICO ENVIRONMENT DEPARTMENT'S RESPONSE TO COMMENTS RECEIVED ON THE OCTOBER 2015  
REQUEST FOR CORRECTIVE ACTION COMPLETE FOR 32 SOLID WASTE MANAGEMENT UNITS AND  
AREAS OF CONCERN AT HOLLOMAN AIR FORCE BASE  
EPA ID # NM6572124422**

The only comments received regarding the draft permit during the public comment period were from Holloman Air Force Base (the Permittee) on March 24, 2017. NMED's responses are provided Comments #1 and #2 of HAFB's comment transmittal letter were introductory in nature and did not require a response.

No.	Commenter	Comment	NMED Response
3.	HAFB/AFCEC	There are eleven sites proposed to be added to the Active List (Table A). The Air Force has no comment on three of the sites – AOC-W (TU912), AOC-X (SS074), and AOC- 1194 (TU904). The remaining eight are addressed below:	None required.
3a.	HAFB/AFCEC	Concur – Solid Waste Management Unit (SWMU) AOC-RR. Note Air Force ERP ID of SS080.	NMED agrees to make the requested revision.  <u>Modification:</u> The ERP Site ID will be changed from N/A to SS-080.
3b.	HAFB/AFCEC	Concur –SWMU AOC -823. Note Air Force ERP ID of SS823.	NMED agrees to make the requested revision.  <u>Modification:</u> The ERP Site ID will be changed from N/A to SS-823.
3c.	HAFB/AFCEC	Non-Concur - SWMU AOC-Y (XU853a): XU853a was taken out of the XU853 site, as it is part of an active range (D-8 Range) on Holloman AFB. Under CFR266.202(a)(iii) active ranges are not regulated under RCRA.	NMED agrees to make the requested revision. Site XU853a is a small part of a larger, active range. Furthermore, previous investigations at site XU853, which is adjacent to the range and includes site XU853a, found no Munitions and Explosives of Concern resulting in a March 18, 2016 letter from NMED determined that

No.	Commenter	Comment	NMED Response
			<p>site XU853 does not present an unacceptable risk to human health and the environment.</p> <p><u>Modification:</u> ERP Site ID XU853a, proposed AOC-Y, will not be added to Table A of Appendix 4-A of the Permit.</p>
3d.	HAFB/AFCEC	<p>Non-Concur - SWMU AOC-853 (XU853): Remedial investigation was performed between Nov 2014 and Feb 2015. Both NMED (letter 18 Mar 2016) and the EPA (letter 28 Jun 2016) agreed on No Further Action (NFA) for XU853.</p>	<p>NMED agrees to make the requested revision. See comment response above.</p> <p><u>Modification:</u> ERP Site ID XU853, proposed AOC-853, will not be added to Table A of Appendix 4-A of the Permit.</p>
3e.	HAFB/AFCEC	<p>Non-Concur - SWMU AOC-854 (XU854): Approved for NFA on Munitions Debris by both the NMED (letter 14 Apr 16) and the EPA (letter 18 Feb 16) after a surface/subsurface scan and surface/subsurface removal of anomalies. A second removal action was completed for non-munitions material (buried drums) in November 2016. The report detailing removal and soil sampling of the drum burial was submitted on 20 Mar 2017.</p>	<p>NMED agrees to make the requested revision. NMED has reviewed the March 20, 2017 report and has determined that the drums were properly removed and no contaminants of concern remain that present an unacceptable risk to human health and the environment.</p> <p><u>Modification:</u> ERP Site ID XU854, proposed AOC-854, will not be added to Table A of Appendix 4-A of the Permit.</p>
3f.	HAFB/AFCEC	<p>Non-Concur - SWMUs AOC-851, AOC-859, AOC-862 (TS851, TS859, TS862): Former skeet ranges that had Phase 1 (Preliminary Assessments) Comprehensive Site Evaluation (CSE) May 2010 and a Phase 2 (Site Investigation) Comprehensive Site Evaluation</p>	<p>NMED does not agree that corrective action is complete at these sites and add is adding sites AOC-851 (TS-851, Former Skeet Range), AOC-859 (TS-859, Former Skeet Range 2), and AOC-862 (TS-862, Jeep Target Area Skeet Range) to Table A of Appendix 4-A of the Permit. The comment acknowledges that the areas close to the</p>

No.	Commenter	Comment	NMED Response
		<p>September 2013. The CSE Phase 2 had a public comment period from August to September 2013. The CSE Phase 2 recommended these sites be split into areas requiring additional investigation/removal and areas of no further action (NFA). Sites requiring additional work are included in the current/on-going Performance Based Remediation (PBR) contract. The CSE Phase 2 used EPA methodologies (SW- 846 3050B/6010B/6200 XRF) to sample soil for lead including sifting of soil samples and compared the results to NMED and EPA soil screening levels. Attached EPA paper explains why the smaller grain size is the most relevant for testing lead, the smaller grain size adheres to skin and can be ingested and/or inhaled. Once the Air Force munitions contractor has remediated the areas close to the firing points where most of the target and lead shot is on the surface, the remaining area will have some target debris and shot, but will be below EPA and NMED soil screening levels. There is no known standard method to measure the amount of lead (lead shot) on surface soil by area or volume, and there no quantified human risk levels for metal debris. The Air Force believes the current work under CERCLA will remove a majority of the shot and target debris at these sites.</p>	<p>firing points must still undergo remedial activities and that the remaining area contains some target debris and shot in place. Therefore, these sites will be added to Table A as areas of concern requiring corrective action until it is shown that they do not present an unacceptable risk to human health and the environment.</p> <p>NMED disagrees with the statement that there is no known standard method to measure the amount of lead (lead shot) on surface soil by area or volume. There is federal and state guidance available that provides methods for measuring lead in soil. For example, see <i>Corrective Action at Outdoor Shooting Ranges Guidance Document</i>, Colorado Department of Public Health and Environment, May 2012.</p> <p><u>Modification:</u> None.</p>

**APPENDIX 4-A**

**TABLE A**

**SUMMARY OF SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN  
REQUIRING CORRECTIVE ACTION**

SERIAL NO.	SWMU	ERP SITE ID	UNIT NAME
1	19	SS-59	Building 638 Oil Water Separator
2	20	SS-59	Building 639 Oil Water Separator
3	82	SD-08	Building 131 Washrack
4	104	LF-29	Former Army Landfill
5	111	RW-42	Radioactive Waste Disposal Area
6	113B	DP-30 SD-33	Sludge Disposal Trenches Fire Training Area
7	122	N/A	Building 702 Waste Oil Tank
8	123	N/A	Building 704 Waste Oil Tank
9	137	OT-38	Building 1166 Test Track Drain Field
10	141	SD-27	Pad 9 Drainage Pit
11	165	SS-39	Building 1176 Pond
12	177	SS-39	Building 1176 Sumps
13	179	SS-39	Discharge Box
14	181	SS-39	Building 1176 Drainage Trough
15	229	SS-59	Test Cell Fuel Spill Site
16	AOC-1001	SS-61	Building 1001 Fuel Spill Site
17	AOC-H	SS-18	Chronic Acid Spill Area/VOC Spill Site
18	AOC-J	SS-13	Herbicide Sodium Arsenite Spill Area
19	AOC-L	OT-37	Early Missile Test Site
20	AOC-Q	SS-17	BX Gas Station Fuel Line Leaks
21	AOC-RR	N ASS-030	Buried RR Cars
22	AOC-T	SS-00205	POL Storage Tank Spill Sites 1 & 2
23	AOC-W	TU-912	Building 301 Concrete UST
24	AOC-X	SS-74	Remotely Piloted Aircraft FSST Washrack
25	AOC-Y	XU-853a	IOD 50-pound Range
25	AOC-UST-221	TU/US-C503	Building 221 UST
26	AOC-UST-298	TU/US-C508	Building 298 UST
27	AOC-UST-889	TU/US-C515	Building 889 UST
28	AOC-UST-901	TU/US-C506	Building 901 UST
29	AOC-UST-1097	TU/US-C505	Building 1097 UST
30	AOC-UST-7003	TU/US-C518	National Radar Test Facility UST
31	AOC-823	N ASS-823	Building 823 TPH in Soil
32	AOC-851	TS-851	Former Skeet Range
33	AOC-853	XU-853	Missile Stand Area MRS
35	AOC-854	XU-854	Missile Area 51 MRS, Buried Drains
33	AOC-859	TS-859	Former Skeet Range 2
34	AOC-862	TS-862	Jeep Target Area Skeet Range
35	AOC-1194	TU-904	Building 1194 Septic System

**TOTAL OF CORRECTIVE ACTION SITES = 38-35 [i.e., 15 SWMUs + 23-20 AOCs].**

**APPENDIX 4-A**

**TABLE A**

**SUMMARY OF SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN  
REQUIRING CORRECTIVE ACTION**

SERIAL NO.	SWMU	ERP SITE ID	UNIT NAME
1	19	SS-59	Building 638 Oil Water Separator
2	20	SS-59	Building 639 Oil Water Separator
3	82	SD-08	Building 131 Washrack
4	104	LF-29	Former Army Landfill
5	111	RW-42	Radioactive Waste Disposal Area
6	113B	DP-30 SD-33	Sludge Disposal Trenches Fire Training Area
7	122	N.A	Building 702 Waste Oil Tank
8	123	N.A	Building 704 Waste Oil Tank
9	137	OT-38	Building 1166 Test Track Drain Field
10	141	SD-27	Pad 9 Drainage Pit
11	165	SS-39	Building 1176 Pond
12	177	SS-39	Building 1176 Sumps
13	179	SS-39	Discharge Box
14	181	SS-39	Building 1176 Drainage Trough
15	229	SS-59	Test Cell Fuel Spill Site
16	AOC-1001	SS-61	Building 1001 Fuel Spill Site
17	AOC-H	SS-18	VOC Spill Site
18	AOC-J	SS-13	Herbicide Sodium Arsenite Spill Area
19	AOC-L	OT-37	Early Missile Test Site
20	AOC-Q	SS-17	BX Gas Station Fuel Line Leaks
21	AOC-RR	SS-080	Buried RR Cars
22	AOC-T	SS-002	POL Storage Tank Spill Sites 1 & 2
23	AOC-W	TU-912	Building 301 Concrete UST
24	AOC-X	SS-74	Remotely Piloted Aircraft FSST Washrack
25	AOC-UST-221	TU US-C503	Building 221 UST
26	AOC-UST-298	TU US-C508	Building 298 UST
27	AOC-UST-889	TU US-C515	Building 889 UST
28	AOC-UST-901	TU US-C506	Building 901 UST
29	AOC-UST-1097	TU US-C505	Building 1097 UST
30	AOC-UST-7003	TU US-C518	National Radar Test Facility UST
31	AOC-823	SS-823	Building 823 TPH in Soil
32	AOC-851	TS-851	Former Skeet Range
33	AOC-859	TS-859	Former Skeet Range 2
34	AOC-862	TS-862	Jeep Target Area Skeet Range
35	AOC-1194	TU-904	Building 1194 Septic System

**TOTAL OF CORRECTIVE ACTION SITES = 35 [i.e., 15 SWMUs + 20 AOCs].**

**APPENDIX IV-A**

**TABLE B**

**SUMMARY OF SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN  
WITH CORRECTIVE ACTION COMPLETE WITHOUT CONTROLS**

<b>SWMU/AOC</b>	<b>DESCRIPTION</b>	<b>COMMENT</b>
1	Building 55 Oil/Water Separator	Site NFA February 2001
2	Building 121 Oil/Water Separator	Site NFA February 2001
3	Building 130 Oil/Water Separator	Site NFA February 2001
4	Building 131 Oil/Water Separator	Site CAC May 2017
5	Building 137 Oil/Water Separator	Site NFA February 2001
6	Building 193 Oil/Water Separator	Site NFA February 2001
7	Building 198 Oil/Water Separator	Site NFA February 2001
8	Building 231 Oil/Water Separator	Site CAC May 2017
9	Building 282 Oil/Water Separator	Site NFA February 2001
10	Building 283 Oil/Water Separator	Site NFA February 2001
11	Building 300 Oil/Water Separator	Site NFA February 2001
12	Building 304 Oil/Water Separator	Site NFA February 2001
13	Building 304A Oil/Water Separator	Site NFA February 2001
14	Building 306 Oil/Water Separator	Site NFA February 2001
15	Building 309 Oil/Water Separator	Site NFA February 2001
16	Building 315 Oil/Water Separator	Site NFA February 2001
17	Building 316 Oil/Water Separator	Site NFA February 2001
18	Building 500 Oil/Water Separator	Site NFA February 2001
21	Building 702 Oil/Water Separator	Site NFA February 2001
22	Building 704 Oil/Water Separator	Site NFA February 2001
23	Building 800 Oil/Water Separator	Site NFA February 2001
24	Building 801 Oil/Water Separator	Site NFA February 2001
25	Building 805 Oil/Water Separator	Site NFA February 2001
26	Building 809 Oil/Water Separator	Site NFA February 2001
27	Building 810 Oil/Water Separator	Site NFA February 2001
28	Building 822 Oil/Water Separator	Site NFA February 2001
29	Building 827 Oil/Water Separator	Site NFA February 2001
30	Building 830 Oil/Water Separator	Site NFA February 2001
31	Building 855 Oil/Water Separator	Site NFA February 2001
32	Building 868 Oil/Water Separator	Site NFA February 2001
33	Building 869 Oil/Water Separator	Site NFA February 2001
34	Building 902 Oil/Water Separator	Site NFA February 2001
35	Building 903 Oil/Water Separator	Site NFA February 2001
36	Building 1000 Oil/Water Separator	Site NFA February 2001
37	Building 1080 Oil/Water Separator	Site NFA February 2001
38	Building 1080A Oil/Water Separator	Site NFA February 2001
39	Building 1092 Oil/Water Separator (FT31)	Site CAC March 2013
40	Building 1166 Oil/Water Separator	Site NFA February 2001
41	Building 1266 Oil/Water Separator	Site NFA February 2001
42	Building 1 Waste Accumulation Area	Site NFA February 2001



**TABLE B Continued**

43	Building 55 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
44	Building 121 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
45	Building 195 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
46	Building 198 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
47	Building 280 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
48	Building 282 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
49	Building 300 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
50	Building 301 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
51	Building 308 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
52	Building 500 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
53	Building 638 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
54	Building 702 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
55	Building 702A Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
56	Building 807 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
57	Building 809 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
58	Building 822 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
59	Building 837 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
60	Building 844 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
61	Building 851 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
62	Building 855 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
63	Building 867 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
64	Building 869 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
65	Building 901 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
66	Building 901Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
67	Building 909 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.

**TABLE B Continued**

68	Building 910 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
69	Building 807 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
70	Building 1119 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
71	Building 1778A Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
72	Building 11778A Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
73	Building 1266 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
74	Building 7005 Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
76	DRMO Non-Hazardous Waste Drain	EPA listed the site in 1988 as a SWMU with no further action required.
77	RATSCAT Waste Accumulation Area	EPA listed the site in 1988 as a SWMU with no further action required.
78	Trim pad 3 WAA	EPA listed the site in 1988 as a SWMU with no further action required.
79	Building 21 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
80	Building 55 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
81	Building 121 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
83	Building 134 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
84	Building 137 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
85	Building 283 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
86	Building 304A Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
87	Building 306 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
88	Building 309 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
89	Building 703 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
90	Building 801 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
91	Building 816 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
92	Building 822 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
93	Building 827 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
94	Building 830 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.

**TABLE B Continued**

95	Building 902 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
96	Building 1080 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
97	Building 1119 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
98	Building 1116 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
99	Building 1266 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
100	Pad 9 Wash Rack	EPA listed the site in 1988 as a SWMU with no further action required.
102	Acid Trailer Burial Site	EPA listed the site in 1988 as a SWMU with no further action required.
103	Causeway Rubble Disposal Area	EPA listed the site in 1988 as a SWMU with no further action required.
105	LF-19 Golf Course Landfill	Site CAC March 2013
106	Main Base Landfill	Site NFA November 2005
107	Main Base Substation PCB Disposal Area	EPA listed the site in 1988 as a SWMU with no further action required.
108	LF-23 MOBSS Landfill Disposal Trench	Site CAC March 2013
110	POL Rubble Disposal Area	EPA listed the site in 1988 as a SWMU with no further action required.
112	RATSCAT Disposal Area	EPA listed the site in 1988 as a SWMU with no further action required.
113A	OT-20 Sludge Disposal Trench	Site CAC May 2017
114	OT-03 TEL Disposal Site	Site CAC May 2017
115	LF-22 West Area Landfill #1 PCB Disposal Area	Site CAC March 2013
116	LF-21 West Area Landfill #2	Site CAC March 2013
117	Wire Spool Disposal Area	EPA listed the site in 1988 as a SWMU with no further action required.
118	OT-16 Building 21 Pesticide Holding Tank	Site CAC May 2017
119	Building 121 Waste Oil Tank	Site NFA February 2001
120	Building 309 Waste Oil Tank	Site NFA February 2001
121	Building 316 Waste Oil Tank	Site NFA February 2001
124	Building 752 Waste Oil Tank	Site NFA February 2001
125	Building 868 Waste Oil Tank	Site NFA February 2001
126	Building 1000 Waste Oil Tank	Site NFA February 2001
127	Building 1092 Waste Oil Tank (FT-31)	Site CAC March 2013
128	Building 1166 Waste Oil Tank	Site NFA February 2001
129	Building 1191 and 1192 Spill Tanks	Site NFA February 2001
130	SS-46 Taxiway 4 Tank 28 Underground Waste Tank	Site CAC March 2013
131	Waste Oil Bowsers	Site NFA February 2001
132	OT-16 Building 21 Entomology Leach Field	Site CAC May 2017
133	Building 703 Wash Rack Discharge Pit	Site NFA February 2001
134	Buildings 902-925 Drainage Ditch	Site NFA February 2001
135	Building 1092 O/W Separator Drainage Pit (FT-31)	Site CAC March 2013
136	Building 1119 Washrack Drainage Area	Site NFA November 2005
138	Building 1166 Oil/Water Sep Drainage Pit	Site NFA February 2001

**TABLE B Continued**

139	SWMU 139 Lake Holloman	Site NFA November 2005
140	SWMU 140 Lake Stinky	Site NFA November 2005
142	Wastewater Influent Chamber	Site NFA February 2001
143	Bar Screen	Site NFA February 2001
144	Comminutor	Site NFA February 2001
145	Grit Chamber	Site NFA February 2001
146	Parshall Flume Wet Well	Site NFA February 2001
147	Splitter Box	Site NFA February 2001
148	Sewage Lagoon A	Closed June 30, 2000
149	Sewage Lagoon B	Closed June 30, 2000
150	Sewage Lagoon C	Closed June 30, 2000
151	Sewage Lagoon D	Closed June 30, 2000
152	Sewage Lagoon E	Closed June 30, 2000
153	Sewage Lagoon F	Closed June 30, 2000
154	Sewage Lagoon G	Closed June 30, 2000
155	Sludge Drying Beds	Site NFA February 2001
156	Imhoff Tanks (5)	Site NFA February 2001
157	ABLE 51 PCB Storage Area	Site NFA February 2001
158	PCB Storage Bunker	Site NFA February 2001
159	Building 500 Pb Storage Shelves	Site NFA February 2001
160	Building 500 NiCd Battery Storage Area	Site NFA February 2001
161	Building 844 Battery Storage Area	Site NFA February 2001
162	DRMO Scrap Metal Storage Area	EPA called this site a SWMU in 1988 but did not require corrective action <sup>1</sup> .
163	DRMO Wood Pile	EPA called this site a SWMU in 1988 but did not require corrective action <sup>1</sup> .
164	Building 1080 Pond	Site NFA February 2001
165	Building 1176 Pond	Site NFA February 2001
166	SD-25 MOBSS Drainage Lagoon	Site NFA November 2005
167	Test Shed Launch Area Collection Basin	EPA identified it in 1988 as a SWMU without requiring further corrective action
169	Burn Kettle	EPA identified it in 1988 as a SWMU without requiring further corrective action
170	Fire Department Training Area 1 (FT-31)	Site CAC March 2013
171	Fire Department Training Area 2 (FT-31)	Site NFA February 2001
173	Building 198 Sand Trap	EPA listed this as a SWMU in the 1988 RFA Report
174	Building 231 Hobby Shop Silver Recovery Unit	EPA listed this as a SWMU in the 1988 RFA Report
176	Building 844 Sand Trap	EPA listed this as a SWMU in the 1988 RFA Report
178	Building 1191 Fuel Runoff Pits	Site NFA February 2001
180	Building 301 Outdoor Drainage Flume	Site NFA February 2001
182	Building Floor Drains	Site NFA February 2001
183	Base Sewer System	Site CAC May 2017
184	Wastewater Re-circulation Line	Site NFA February 2001
185	Building 332 Silver Recovery Unit	EPA identified this site as a SWMU in 1988
186	Hospital Silver Recovery Unit	EPA identified this site as a SWMU in 1988

**TABLE B Continued**

187	West Area Silver Recovery Unit	EPA identified this site as a SWMU in 1988
188	Building 161 Acid Neutralization Unit	EPA identified this site as a SWMU in 1988
189	Building 232 Recycling Area	EPA identified this site as a SWMU in 1988
190	Building 500 Battery Neutralization Unit	EPA identified this site as a SWMU in 1988
191	Building 855 Concrete Pad	EPA identified this site as a SWMU in 1988
192	Coco Block House Disposal Well	EPA identified this site as a SWMU in 1988
193	Trash Dumpster	EPA identified this site as a SWMU in 1988
194-228	SWMUs which no Longer exist or Could not be Located	EPA identified this site as a SWMU in 1988
212	Former north Area Wash Rack	Site NFA February 2001
230	Building 828 Fuel Spill Site	Site NFA February 2001
231	Incinerator/Landfill	Site NFA February 2001
AOC-1	DP-64 Chemical Agent Site	Site CAC May 2017
AOC-2	Sewage Drainage Pit NE of Building 864	Site CAC March 2013
AOC-3	DP-63 Ammunition Yard Disposal Pit	Site CAC May 2017
AOC-838	SS-72 TCE in Groundwater Upgradient of LF-21	Site CAC May 2017
AOC-1088	SS-73 TCE in Groundwater Upgradient of SS-61	Site CAC May 2017
AOC-A	OT-16 Building 21 Pesticide Rinse Spill Area	Site CAC May 2017
AOC-B	SS-65 Building 807 Test Cell Spill Area	Site CAC May 2017
AOC-BBMS	Bare Base Mobility Squadron Spill Area	EPA called the site in the 1988 RFA but did not require corrective action <sup>1</sup> .
AOC-C	SS-66 Building 835 Spills	Site CAC May 2017
AOC-D	SD-26 Building 882 Spills	EPA called the site in the 1988 RFA but did not require corrective action <sup>1</sup> .
AOC-E	SS-67 Buildings 903-909 Sand Blast Residues	Site CAC May 2017
AOC-F	Asphalt Tank Spill Area (SS-68)	Site CAC March 2013
AOC-FST837	Building 837 Fuel Spill Site	Site NFA November 2005
AOC-G	Atlas Substation PCB Spill	EPA called the site in the 1988 RFA but did not require corrective action <sup>1</sup> .
AOC-I	SS-69 Fighter Wing Flight Line Spill	Site CAC May 2017
AOC-K	SS-12 Northeast Fuel Line Spill #1	Site CAC May 2017
AOC-M	RW-70 Building 18 Product Storage Tank	Site CAC May 2017
AOC-N	SS-48 Building 137 Military Gas Tank Leak	Site CAC March 2013
AOC-O	OT-45 Building 296 Old AGE Refueling Station	Site CAC May 2017
AOC-P	OT-44 Building 301 Fuel Tank Leak	Site CAC March 2013
AOC-R	JP-4 Fuel Line Spill Site (SS-06)	Site CAC March 2013
AOC-RD	DP-62 Rita's Draw Disposal Pit	Site NFA November 2005
AOC-S	Leaking Underground Storage Tank (BHUST)	Site CAC March 2013
AOC-U	Lost River Basin	Site CAC May 2017
AOC-UST-300	Building 300 UST	Site CAC May 2017

**TABLE B Continued**

AOC-UST-301	Building 301 UST	Site CAC May 2017
AOC-UST-684	Building 684 UST	Site CAC May 2017
AOC-UST-882	Building 882 UST	Site CAC May 2017
AOC-UST-898	Building 898 UST	Site CAC May 2017
AOC-UST-1113	Building 1113 UST	Site CAC May 2017
AOC-UST-1272	Building 1272 UST	Site CAC May 2017
AOC-UST-2395	Building 2395 UST	Site CAC May 2017
AOC-V	SS-57 Officer's Club	Site CAC March 2013
AOC-PRI-A	OT-32 Primate Research Lab Sewer Line	EPA listed the site in 1988 as a SWMU with no further action required.
AOC-PRI-S	Primate Research Lab Borehole Disposal Site	EPA called the site in the 1988 RFA but did not require corrective action <sup>1</sup> .
AOC-PRI-1	Primate Research Institute (PRI) Building 1264: Waste Accumulation Area	EPA called the site in the 1988 RFA but did not require corrective action <sup>1</sup> .
AOC-PRI-2	PRI Bldg 1264 Solvent Burn Area (OT-35)	Site CAC March 2013
AOC-PRI-3	PRI Building 1264: Biological Incinerator	EPA called the site in the 1988 RFA but did not require corrective action <sup>1</sup> .
AOC-PRI-4	PRI Building 1264: Quarantine Area	EPA called the site in the 1988 RFA but did not require corrective action <sup>1</sup> .
AOC-PRI-5	PRI Bldg 1264 Solvent Burn Area (OT-35)	Site CAC March 2013

1. Unit underwent Corrective Action, was approved for No Further Action (NFA), and is limited by Institutional Controls

**HOLLOMAN AIR FORCE BASE OPERATING AND CLOSED HAZARDOUS WASTE MANAGEMENT UNITS**

<b>OPERATING/CLOSED UNIT</b>	<b>DESCRIPTION</b>	<b>COMMENT</b>
20,000-Pound Open Detonation (OD) Treatment Unit/SWMU #168	The OD Unit	Permitted in 1997 and is operating.
Container Storage Unit/SWMU # 75	Hazardous Waste Management Unit	Permit Renewed February 24, 2004
300-Pound Open Burn (OB) Unit. This site was listed in the 1988 RFA Report as SWMU 72	The OB Unit	The OB Unit was under Interim status from 1965 to 1979. HAFB conducted risk-based closure as per approved Work Plan of 1997. NMED approved Closure of this site on February 3, 1997.

APPENDIX IV-A

TABLE C

SUMMARY OF SOLID WASTE MANAGEMENT UNITS AND AREAS OF CONCERN  
WITH CORRECTIVE ACTION COMPLETE WITH CONTROLS

SWMU/AOC	Control(s) Needed
SWMU 101, LF-10, Building 121 Landfill	Land use controls to prevent future residential use. Maintain the integrity and effectiveness of the cover, including making repairs to the cover as necessary to correct effects of settling, subsidence or erosion. The integrity of the cover shall not be compromised without prior approval from the NMED.
SWMU 109, LF-10, Old Main Base Landfill	Land use controls to prevent future residential use. Maintain the integrity and effectiveness of the cover, including making repairs to the cover as necessary to correct effects of settling, subsidence or erosion. The integrity of the cover shall not be compromised without prior approval from the NMED.
SWMU 197, OT-14, Former Entomology Shop	Land use controls to prevent future residential use. Maintain the integrity and effectiveness of the engineered asphalt cap and access-control stanchions. The integrity of the cap and stanchions shall not be compromised without prior approval from the NMED.
AOC-4, West POL Fuel Spill Site	Land use controls to prevent future residential use. Upon abandonment of the West POL Yard, or its discontinued use, all remaining contaminated soil shall be removed and an investigation conducted to confirm adequate site remediation.