



GARY E. JOHNSON  
GOVERNOR

State of New Mexico  
**ENVIRONMENT DEPARTMENT**  
**Hazardous & Radioactive Materials Bureau**  
2044 Galisteo Street  
P.O. Box 26110  
Santa Fe, New Mexico 87502  
(505) 827-1557  
Fax (505) 827-1544



PETER MAGGIORE  
SECRETARY

PAUL R. RITZMA  
DEPUTY SECRETARY

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

June 30, 2000

Brigadier General William J. Lake  
Commander  
490 First Street, Suite 1700  
Holloman AFB, NM 88330-8277



RE: Annual Unit Audit for 1999

Dear Brigader General Lake:

The RCRA Permits Management Program (RPMP) and the Corrective Action Program (CAP) of the Hazardous and Radioactive Materials Bureau (HRMB) have completed the first Annual Unit Audit (AUA) of facilities permitted under the New Mexico Hazardous Waste Act to ensure that each facility's permit accurately and appropriately lists the facility's operating, closure, post closure and corrective action units, as required by 20 NMAC 4.2.201.2. Under 20 NMAC 4.2.201.1, the AUA is also used to determine the Annual Hazardous Waste Management Business Fee (AHWMBF) for each facility. Input from each facility was requested in a letter dated February 29, 2000 and signed by Dr. Robert S. (Stu) Dinwiddie, AUA Project Leader and RCRA Advisor.

**As a result of the AUA, an Annual Hazardous Waste Management Business Fee of \$32,750 is assessed for Holloman Air Force Base. Tables used for calculation of this fee are enclosed.**

Payment is due within sixty (60) days of your receipt of this letter, as required by 20 NMAC 4.2.401. Should the Return Receipt be sent back to HRMB without a date of receipt, the fees are due sixty (60) days from the date of this letter. Payment should be made by certified check or money order payable to the New Mexico Environment Department Hazardous Waste Fund #339. Should you need to request an extension of the sixty (60) day period, the request must be received a minimum of fourteen (14) calendar days prior to the end of the sixty (60) day period. This fourteen (14) day period is necessary to ensure that the facility receives written approval or denial prior to the expiration of the sixty (60) day payment period.

Payments should be mailed to:

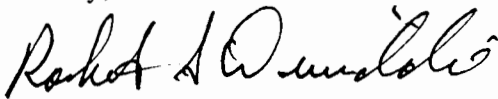
Hazardous and Radioactive Materials Bureau  
New Mexico Environment Department  
2044 Galisteo Street  
P.O. Box 26110  
Santa Fe, New Mexico 87502  
ATTN: Cindy Abeyta

Brigader General Lake  
June 30, 2000  
Page 2

HRMB recognizes that there may be disagreement regarding the inclusion of some units on the permit and AUA list. If you disagree with the fee assessed, you may file an Administrative Appeal under the provisions of 20 NMAC 4.2.302.1

If you have any questions you may contact me at (505) 827-1561 Ext 1039.

Sincerely,



Robert S. Dinwiddie, Ph.D.  
RCRA Advisor

cc: reading file  
Cornelius Amindyas, HRMB  
John Peland, HAFB<sub>CA</sub>

## ANNUAL UNIT AUDIT INVOICE WORKSHEET SUMMARY

FACILITY: Holloman Air Force Base

Unit Type/Description	Fee/Unit	No. of Units	Total Unit Fee
Land Disposal	\$2000.00	1	\$2000.00
Post Closure Care with Corrective Action	\$2000.00		
Post Closure Care w/o Corrective Action	\$2000.00		
Land Treatment	\$1500.00		
Surface Impoundment - Treatment	\$1500.00		
Incinerator	\$1500.00		
Boiler or Industrial Furnace	\$1500.00		
Subpart X - Treatment	\$1500.00	2	\$3000.00
Treatment in Tanks	\$1500.00		
Treatment in Containers	\$1500.00		
RD & D Treatment	\$1500.00		
Waste Pile	\$1000.00		
Surface Impoundment - Storage	\$1000.00		
Storage in Tanks	\$1000.00		
Storage in Containers	\$1000.00	1	\$1000.00
RD & D Storage	\$1000.00		
Corrective Action	\$250.00	107	\$26750.00
	Total AHWMBF Unit Fee		\$32750.00

**ANNUAL UNIT AUDIT FOR 1999  
CLOSING UNITS**

FACILITY: Holloman Air Force Base

Unit ID No.	Unit Type/Description	Fee	Comments
	Sewage Lagoons	\$2000.00	
	Total Closing Unit Fee	\$2000.00	

# ANNUAL UNIT AUDIT FOR 1999 OPERATING UNITS

FACILITY: Hollomn Air Force Base

Unit ID No.	Unit Type/Description	Fee	Comments
ContStor-1	Container Storage	\$1000.00	
OB/OD-1	Subpart X, Open Detonation	\$1500.00	
OB/OD-2	Subpart X, Open Detonation	\$1500.00	
	<b>Total Operating Unit Fee</b>	<b>\$4000.00</b>	



**New Mexico  
Environment Department**

**Hazardous and Radioactive Materials Bureau**

Holloman Air Force Base  
49 CES/CEV  
550 Tabosa Avenue  
Alamogordo, NM 88330-8458  
Attn: Howard E Moffitt

06-28-2000

Invoice # - HRMB-HAFB-AUA-99

Annual Unit Audit for 1999

Quantity	Item	Item Cost	Total Cost
1	Land Disposal	\$2,000.00	\$2,000.00
2	Subpart X Treatment	\$1,500.00	\$3,000.00
1	Storage in Containers	\$1,000.00	\$1,000.00
107	Corrective Action	\$250.00	\$26,750.00
	<b>Total Fees</b>		<b>\$32,750.00</b>

Make Checks Payable to: NMED/HRMB

Mail Checks and Invoice to:

New Mexico Environment Department, HRMB  
Attn: Cindy Abeyta  
P.O. Box 26110  
Santa Fe, NM 87502

State of New Mexico Use Only:

Date Received:

Check Number:

Amount Received:

# ANNUAL HAZARDOUS WASTE MANAGEMENT BUSINESS FEE WORKSHEET

**Based on Annual Unit Audit For 1999**

NM ID #: 0392 INVOICE NUMBER: HRMB-HAFB-AUA-99

EPA ID#: NM6572124422

FACILITY: Holloman Air Force Base

UNIT TYPE:	FEE PER UNIT	NO. OF UNITS	FEE
Land Disposal	\$2,000	<u>1</u>	<u>\$ 2,000</u>
Post-Closure Care	\$2,000	_____	_____
Land Treatment	\$1,500	_____	_____
Surface Impoundment (Treatment)	\$1,500	_____	_____
Incinerator	\$1,500	_____	_____
Boiler/Industrial Furnace	\$1,500	_____	_____
Subpart X Treatment ✓	\$1,500	<u>2</u>	<u>\$ 3,000</u>
Treatment in Tanks	\$1,500	_____	_____
Treatment in Containers	\$1,500	_____	_____
RD&DTreatment	\$1,500	_____	_____
Waste Pile	\$1,000	_____	_____
Surface Impoundment (Storage)	\$1,000	_____	_____
Storage in Tanks	\$1,000	_____	_____
Storage in Containers	\$1,000 ✓	<u>1</u>	<u>\$ 1,000</u>
RD&D Storage	\$1,000	_____	_____
Corrective Action	\$ 250 ✓	<u>107</u>	<u>\$26,750</u>
<b>Total AHWMBF Fee</b>			<b><u>\$32,750</u></b>

Robert S. (Stu) Dinwiddie RCRA Advisor Robert S. Dinwiddie Date: 6/14/00  
 John Kieling, Permits Program Manager John E. Kieling Date: 6/15/00  
 Cindy Abeyta, Financial Program Manager \_\_\_\_\_ Date: \_\_\_\_\_

**HOLLOMAN AIR FORCE BASE  
SOLID WASTE MANAGEMENT SUMMARY**

**TABLE A.1.**

**June 13, 2000**

**List of Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs)  
Requiring Corrective Action:**

<b>SWMU</b>	<b>IRP SITE</b>	<b>UNIT NAME</b>
1	N/A	Building 55 Oil/Water Separator
2	N/A	Building 121 Oil/Water Separator
3	N/A	Building 130 Oil/Water Separator
4	SD-08	Building 131 Oil/Water Separator
5	N/A	Building 137 Oil/Water Separator
6	N/A	Building 193 Oil/Water Separator
7	N/A	Building 198 Oil/Water Separator
8	N/A	Building 231 Oil/Water Separator
9	N/A	Building 282 Oil/Water Separator
10	N/A	Building 283 Oil/Water Separator
11	N/A	Building 300 Oil/Water Separator
12	N/A	Building 304 Oil/Water Separator
13	N/A	Building 304A Oil/Water Separator
14	N/A	Building 306 Oil/Water Separator
15	N/A	Building 309 Oil/Water Separator
16	N/A	Building 315 Oil/Water Separator
17	N/A	Building 316 Oil/Water Separator
18	N/A	Building 500 Oil/Water Separator
19	N/A	Building 638 Oil/Water Separator
20	N/A	Building 639 Oil/Water Separator
21	N/A	Building 702 Oil/Water Separator
22	N/A	Building 704 Oil/Water Separator
23	N/A	Building 800 Oil/Water Separator
24	N/A	Building 801 Oil/Water Separator
25	N/A	Building 805 Oil/Water Separator
26	N/A	Building 809 Oil/Water Separator
27	N/A	Building 810 Oil/Water Separator
28	N/A	Building 822 Oil/Water Separator
29	N/A	Building 827 Oil/Water Separator
30	N/A	Building 830 Oil/Water Separator
31	N/A	Building 855 Oil/Water Separator
32	N/A	Building 868 Oil/Water Separator
33	N/A	Building 869 Oil/Water Separator
34	N/A	Building 902 Oil/Water Separator
35	N/A	Building 903 Oil/Water Separator
36	N/A	Building 1000 Oil/Water Separator
37	N/A	Building 1080 Oil/Water Separator
38	N/A	Building 1080A Oil/Water Separator
39	N/A	Building 1092 Oil/Water Separator
40	N/A	Building 1166 Oil/Water Separator
41	N/A	Building 1266 Oil/Water Separator
42	SS-09	Building 1 Waste Accumulation Area
54	N/A	Building 702 Waste Accumulation Area



<b>SWMU</b>	<b>IRP SITE</b>	<b>UNIT NAME</b>
55	N/A	Building 702A Waste Accumulation Area
56	N/A	Building 807 Waste Accumulation Area
63	N/A	Building 867 Waste Accumulation Area
71	N/A	Building 1778A Waste Accumulation Area
78	N/A	Trim Pad 3 Waste Accumulation Area
82	SD-08	Building 131 Washrack
91	N/A	Building 816 Washrack
101	LF-10	Building 121 Landfill
102	OT-04	Acid Trailer Burial Site
104	LF-29	Former Army Landfill
105	LF-19	Golf Course Landfill
106	LF-01	Main Base Landfill
107	OT-11	Main Base Substation PCB Disposal Area
108	LF-23	MOBSS Landfill Disposal Trench
109	LF-10	Old Main Base Landfill
111	RW-42	Radioactive Waste Disposal Area
113A	OT-20	Sludge Disposal Trenches near Lagoons
113B	DP-30/SD-33	Sludge Disposal Trenches Fire Train Area
114	OT-03	TEL Disposal Site
115	LF-22	Waste Area Landfill #1 PCB Disposal Area
116	LF-21	West Area Landfill #2
118	OT-16	Building 21 Pesticides Holding Tank
119	N/A	Building 121 Waste Oil Tank
120	N/A	Building 309 Waste Oil Tank
121	N/A	Building 316 Waste Oil Tank
122	N/A	Building 702 Waste Oil Tank
123	N/A	Building 704 Waste Oil Tank
124	N/A	Building 752 Waste Oil Tank
125	N/A	Building 868 Fire Water Tank
126	N/A	Building 1000 Waste Oil Tank
127	FT-31	Building 1092 Waste Oil Tank
128	N/A	Building 1166 Waste Oil Tank
129	SS-36	Building 1191 Spill Tank
130	SS-46	Taxiway 4 Tank 28
132	OT-16	Building 21 Entomology Leachfield
133	SD-47	Building 703 Washrack Discharge Ditch
134	OT-24	Bldgs. 920-924 Drainage Ditch
135	FT-31	Building 1092 Oil/Water Sep Drainage Pit
136	N/A	Building 1119 Washrack Drainage Area
137	SS-38	Building 1166 Test Track Drain Field
138	N/A	Building 1166 Oil/Water Sep Drainage Pit
139	N/A	Lake Holloman
140	N/A	Lake Stinky
141	SD-27	Pad 9 Drainage Pit
155	N/A	Sludge Drying Beds
156	N/A	Imhoff Tanks (5)
164	N/A	Building 1080 Pond
165	SS-39	Building 1176 Pond
166	SD-25	MOBSS Drainage Lagoon
170	FT-31	Fire Department Training Area 1
171	FT-31	Fire Department Training Area 2

<b>SWMU</b>	<b>IRP SITE</b>	<b>UNIT NAME</b>
172	N/A	Munitions Explosion Trenches (Current OB Unit)
177	SS-39	Building 1176 Sumps
178	SS-36	Building 1191 Fuel Runoff Pits
179	SS-39	Discharge Box
181	SS-39	Building 1176 Drainage Trough
183	N/A	Air Base Sewer System
184	N/A	Wastewater Recirculating Line
192	OT-41	Coco Block House Disposal Well
197	OT-14	Former Entomology Shop
212	SD-28	Building 824 Waste Accumulation Area
229	SS-59	T-38 Test Cell Fuel Spill Site
230	SS-60	Building 828 Fuel Spill Site
231	LF-58	Incinerator/Landfill
AOC-A	OT-16	Building 21 Pesticide Rinsewater Spill area
AOC-D	SD-26	Building 882 Spills
AOC-G	DP-43	Atlas Substation PCB Spill
AOC-L	OT-37	Early Missile Test Site
AOC-P	OT-44	Building 301 Fuel Tank Leak
AOC-T	SS-02/SS-05	POL Storage Tank Leaks
AOC-U	N/A	Lost River Basin
AOC-V	SS-57	Officer's Club

Total Number of SWMUs and AOCs = 115 [107 SWMUs and 8 AOCs]

**HOLLOMAN AIR FORCE BASE  
ANNUAL UNIT AUDIT  
TABLE A.2  
June 13, 2000**

**List of Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs) Not Currently Requiring Corrective Action**

SWMU/AOC	DESCRIPTION	COMMENT
43	Building 55 Waste Accumulation Area	EPA identified the site in <u>1988</u> as a SWMU, but was never required to undergo further corrective action at that time <sup>1</sup> .
44	Building 121 Waste Accumulation Area	--
45	Building 195 Waste Accumulation Area	--
46	Building 198 Waste Accumulation Area	--
47	Building 280 Waste Accumulation Area	--
48	Building 282 Waste Accumulation Area	--
49	Building 300 Waste Accumulation Area	--
50	Building 301 Waste Accumulation Area	--
51	Building 308 Waste Accumulation Area	--
52	Building 500 Waste Accumulation Area	--
53	Building 638 Waste Accumulation Area	--
57	Building 809 Waste Accumulation Area	--
58	Building 822 Waste Accumulation Area	--
59	Building 837 Waste Accumulation Area	--
60	Building 844 Waste Accumulation Area	--
61	Building 851 Waste Accumulation Area	--
62	Building 855 Waste Accumulation Area	--
64	Building 869 Waste Accumulation Area	--
65	Building 901 Waste Accumulation Area	--
66	Building 901 Waste Accumulation Area	--
67	Building 909 Waste Accumulation Area	--

SWMU/AOC	DESCRIPTION	COMMENT
68	Building 910 Waste Accumulation Area	EPA identified the site in the 1988 RFA Report as a SWMU, but was never required to undergo further corrective action at that time. <sup>1</sup>
69	Building 1080 Waste Accumulation Area	--
70	Building 1119 Waste Accumulation Area	--
72	Building 1178A Waste Accumulation Area	--
73	Building 1266 Waste Accumulation Area	--
74	Building 7005 Waste Accumulation Area	--
75	DRMO Hazardous Storage Area	This is the current Permitted Container Storage Unit whose Permit is undergoing renewal. <sup>2</sup>
76	DRMO Non-Hazardous Waste Drain	EPA identified the site in the 1988 RFA Report as a SWMU, but was never required to undergo further corrective action at that time. <sup>1</sup>
77	RATSCAT Waste Accumulation Area	--
79	Building 21 Washrack	--
80	Building 55 Washrack	--
81	Building 121 Washrack	--
83	Building 134 Washrack	--
84	Building 137 Washrack	--
85	Building 283 Washrack	--
86	Building 304A Washrack	--
87	Building 306 Washrack	--
88	Building 309 Washrack	--
89	Building 703 Washrack	--

<b>SWMU/AOC</b>	<b>DESCRIPTION</b>	<b>COMMENT</b>
90	Building 801 Washrack	EPA identified the site in the 1988 RFA Report as a SWMU, but was never required to undergo further corrective action at that time <sup>1</sup> .
92	Building 822 Washrack	-"-
93	Building 827 Washrack	-"-
94	Building 830 Washrack	-"-
95	Building 902 Washrack	-"-
96	Building 1080 Washrack	-"-
95	Building 902 Washrack	-"-
97	Building 1119 Washrack	-"-
98	Building 1166 Washrack	-"-
99	Building 1266 Washrack	-"-
100	Pad 9 Washrack	-"-
103	Causeway Rubble Disposal Area	-"-
110	POL Rubble Disposal Area	-"-
112	RATSCAT Disposal Area	-"-
117	Wire Spool Disposal Area	-"-
131	Waste Oil Bowsers	-"-
142	Wastewater Influent Chamber	-"-
143	Bar Screen	-"-
144	Comminutor	-"-
145	Grit Chamber	-"-
146	Parshall Flume and Wet Well	-"-
147	Splitter Box	-"-
157	ABLE 51 PCB Storage Area	-"-
158	PCB Storage Bunker	-"-
159	Building 500 Lead Battery Storage Shelves	-"-

<b>SWMU/AOC</b>	<b>DESCRIPTION</b>	<b>COMMENT</b>
160	Building 500 Nicad Battery Storage rea	--
161	Building 844 Battery Storage Area	--
162	DRMO Scrap Metal Storage Area	EPA identified the site in the 1988 RFA Report as a SWMU, but was never required to undergo further corrective action at that time <sup>1</sup> .
163	DRMO Wood Pile	--
167	Test Shed Launch Area Collection Basin	--
168	20,000 Pound Open Detonation Unit	This is the current operating Open Detonation Treatment Unit that was permitted in 1997. <sup>2</sup>
169	Burn Kettle	EPA identified the site in the 1988 RFA Report as a SWMU, but was never required to undergo further corrective action at that time <sup>1</sup> .
173	Building 198 Sand Trap	--
174	Building 231 Hobby Shop Silver Recovery Unit	--
175	Building 300 Cleaning Tank Sump	--
176	Building 844 Sand Trap	--
169	Burn Kettle	--
180	Building 301 Outdoor Drainage Flume	--
182	Building Floor Drains	--
185	Building 332 Silver Recovery Unit	--
186	Hospital Silver Recovery Unit	--
187	West Area Silver Recovery Unit	--
188	Building 161 Acid Neutralization Unit	--
189	Building 282 Recycling Area	--
190	Building 500 Battery Neutralization Unit	--
191	Building 855 Concrete Pad	--
193	Trash Dumpster	--

<b>SWMU/AOC</b>	<b>DESCRIPTION</b>	<b>COMMENT</b>
194-228	SWMUs which no Longer Exist or Could not be Located	EPA identified the site in the 1988 RFA Report as a SWMU, but was never required to undergo further corrective action at that time <sup>1</sup> .
PRI-1	Primate Research Institute (PRI) Building 1264: Waste accumulation Area	-"-
PRI-2	PRI Building 1264: Solvent Burn Area	-"-
PRI-3	PRI Building 1264: Biological Incinerator	-"-
PRI-4	PRI Building 1264: Quarantine Area Incinerator	-"-
PRI-5	PRI Building 1264:	-"-
SWMU 148	Sewage Lagoon A	HAFB submitted Closure certification in October, 1999. Stephanie is handling the procedures for Closure approval. <sup>1</sup>
SWMU 149	Sewage Lagoon B	-"- <sup>1</sup>
SWMU 150	Sewage Lagoon C	-"- <sup>1</sup>
SWMU 151	Sewage Lagoon D	-"- <sup>1</sup>
SWMU 152	Sewage Lagoon E	-"- <sup>1</sup>
SWMU 153	Sewage Lagoon F	-"- <sup>1</sup>
SWMU 154	Sewage Lagoon G	-"- <sup>1</sup>
AOC-B	Building 807 Test Cell Surface Spill Area	This AOC required further investigation during the 1988 RFA (Page 7-63), but no explanation was given as to why the site was not listed in the HSWA Permit. <sup>1</sup>

<b>SWMU/AOC</b>	<b>DESCRIPTION</b>	<b>COMMENT</b>
<b>AOC-BBMS</b>	N/A	Bare Base Mobility Squadron Spill Area.
<b>AOC-C</b>	Building 835 Spills	This AOC was required to undergo further investigation during the 1988 RFA (Page 7-63), but no explanation was given as to why the site was not listed in the HSWA Permit. <sup>1</sup>
<b>AOC-E</b>	Building 903/909 Sand Blast Residues	This AOC was required to undergo further investigation during the 1988 RFA (Page 7-63), but no explanation was given as to why the site was not listed in the HSWA Permit. <sup>1</sup>
<b>AOC-F</b>	Asphalt Tank Spill Area	In the 1988 RFA (page 7-64) EPA recommended further investigation which cannot be found, but no explanation was given as to why the AOC is not listed in the Permit
<b>AOC-H</b>	Chromic Acid Spill Area	-- <sup>1</sup>
<b>AOC-I</b>	Fighter Wing Flight Line Spill	In the 1988 RFA (page 7-65) EPA recommended further investigation which cannot be found, but no explanation is given as to why the AOC is not listed in the Permit Probably closed by UST Bureau ?. <sup>1</sup>
<b>AOC-J</b>	Herbicide Spill Area	-- <sup>1</sup>
<b>AOC-K</b>	Northeast Base Spill Area	-- <sup>1</sup>
<b>AOC-M</b>	Building 18 Product Storage Tank Leak	In the 1988 RFA (page 7-65) EPA recommended further investigation which cannot be found, but no explanation is given as to why the AOC is not listed in the Permit Probably closed by UST Bureau ?. <sup>1</sup>
<b>AOC-N</b>	Building 137 Military Gas Tank Leak	In the 1988 RFA (page 7-65) EPA recommended further investigation which cannot be found, but no explanation is given as to why the AOC is not listed in the Permit. <sup>1</sup>



<b>SWMU/AOC</b>	<b>DESCRIPTION</b>	<b>COMMENT</b>
<b>AOC-O</b>	N/A	Building 296 Fuel Tank leaks.
<b>AOC-PRI-A</b>	N/A	Sewer Line from Primate Research Lab.
<b>PRI-S</b>	N/A	Primate Research Lab Borehole Disposal Site.
<b>AOC-Q</b>	BX Gas Station Fuel Line Leaks	-"- . Probably closed by UST Bureau ?. <sup>1</sup>
<b>AOC-R</b>	JP-4 Fuel Line Break	-"- . Probably closed by UST Bureau ?. <sup>1</sup>
<b>AOC-RR</b>	N/A	Buried RR Cars.
<b>AOC-S</b>	Leaking Underground Storage Tank	-"- . Probably closed by UST Bureau ?. <sup>1</sup>
<b>300-Pound Open Burn (OB) Treatment Unit</b> [SWMU 172]	The OB Unit was used in the 1965 through 1979 under Interim status HAFB conducted risk-based closure of the site in 1998 and submitted a certification of closure as per NMED approved Work Plan of 1997.	HRMB verified and approved closure certification on March 17, 2000. Closure of the site was conducted as per Stand Alone Closure Plan that HRMB approved on February 3, 1997.  EPA listed this site in the 1988 RFA Report as SWMU # 172.
<b>20,000 Pound Open Detonation (OD) Treatment Unit</b> [SWMU 168]	The OD Unit was permitted in 1997.	The OD Unit was permitted in 1997 and is operating. This unit was formerly listed as SWMU # 168 in the 1988 RFA Report. <sup>2</sup>
<b>Container Storage Unit</b> [SWMU # 75]	Operating Permit Expires July 4, 2001	EPA listed this Unit as SWMU # 75 in the 1988 RFA Report, and in the HSWA Module of the current Operating Permit. <sup>2</sup>

1. Unit underwent Corrective Action, was approved for No Further Action, and is limited by Institutional Controls
2. Unit is a Hazardous Waste Management Unit.