

FB 2000



**DEPARTMENT OF THE ARMY**  
HEADQUARTERS, U. S. ARMY AIR DEFENSE ARTILLERY CENTER AND FORT BLISS  
1733 PLEASANTON ROAD  
FORT BLISS, TEXAS 79916-6816

ENTERED

September 13, 2000

REPLY TO  
ATTENTION OF:

Directorate of Environment

Mr. James P. Bearzi, Bureau Chief  
Hazardous & Radioactive Materials Bureau  
New Mexico Environment Department  
P. O. Box 26110  
Santa Fe, New Mexico 87502

*Glenn*



**RE: Amendment to RCRA Part A Permit Application  
U.S. Army Air Defense Artillery Center and Fort Bliss  
Open Detonation Operational Permit No. NM 4213720101-01, 8 June 1995**

Dear Mr. Bearzi:

Attached is an amended Hazardous Waste Permit Application, Part A, for the Fort Bliss Open Detonation Treatment Unit (OD Unit) at McGregor Range. When the Permit was issued in 1995, only one EPA waste code -- D003, the code for reactive wastes -- was listed on page 6 of the application. Some waste munitions treated at the OD Unit also exhibit the characteristic of ignitability (D001) and some contain barium (D005), lead (D008), and/or mercury (D009). Although the Permit allows treatment of waste munitions that are regulated under the above-mentioned EPA codes, the codes are not listed on the application.

Because the application is a permanent part of the Operational Permit and must specify all EPA waste codes that apply to munitions treated at the OD Unit, Fort Bliss is submitting the attached amendment for your approval. The application has been signed by the facility owner, BG Stanley E. Green, and the facility operator, CPT Brian P. Clarke.

If you have questions or need additional information, please do not hesitate to call Patricia McKernan at the Directorate of Environment, (915) 568-6077. Thank you for your assistance.

Sincerely,

Keith Landreth  
Director of Environment

Enclosure

Copies Furnished:

John Kieling, HRMB  
Glenn von Gonten, HRMB  
Patricia McKernan, Fort Bliss DOE



<b>EPA I.D. Number (Enter from page 1)</b>	<b>Secondary ID Number (Enter from page 1)</b>
N M 4 2 1 3 7 2 0 1 0 1	

**VII. Operator Information (See Instructions)**

<b>Name of Operator</b>											
C o m m a n d e r 7 4 l s t E O D C o m p a n y											
<b>Street or P.O. Box</b>											
C o m m a n d e r A T T N : 7 4 l s t O R D D E T											
<b>City or Town</b>								<b>State</b>		<b>ZIP Code</b>	
F o r t B l i s s								T X		7 9 9 1 6 - 6 8 1 6	

<b>Phone Number (Area Code and Number)</b>	<b>B. Operator Type</b>	<b>C. Change of Operator Indicator</b>	<b>Date Changed</b>		
9 1 5 - 5 6 8 - 8 9 0 5	F	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Month	Day	Year

**VIII. Facility Owner (See Instructions)**

<b>A. Name of Facility's Legal Owner</b>											
U S A R M Y A I R D E F A R T Y F T B L I S S											
<b>Street or P.O. Box</b>											
H Q U S A A D A C E N F B A T T N : A T Z C - D O E											
<b>City or Town</b>								<b>State</b>		<b>ZIP Code</b>	
F o r t B l i s s								T X		7 9 9 1 6 - 6 8 1 6	
<b>Phone Number (Area Code and Number)</b>				<b>B. Owner Type</b>		<b>C. Change of Owner Indicator</b>		<b>Date Changed</b>			
9 1 5 - 5 6 8 - 3 7 8 2				F		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Month Day Year			

**IX. SIC Codes (4-digit, in order of significance)**

<b>Primary</b>				<b>Secondary</b>			
9 7 1 (Description) National Security & Int Affairs				(Description)			
<b>Secondary</b>				<b>Secondary</b>			
(Description)				(Description)			

**X. Other Environmental Permits (See Instructions)**

A. Permit Type (Enter code)	B. Permit Number	C. Description
N	N M R 0 5 A 4 2 3	Stormwater

EPA ID Number (Enter from page 1)

Secondary ID Number (Enter from page 1)

N M 4 2 1 3 7 2 0 1 0 1

**XI. Nature of Business (Provide a brief description)**

Ongoing missions and activities conducted by the United States Army Air Defense Artillery Center and Fort Bliss (USAADACEN&FB) include: field training exercises employing troops, equipment, and vehicles in tactical situations; missile and artillery firings; aerial gunnery training; and air support operations. In addition, Fort Bliss conducts tests of military ordnance and weapons systems. Other activities include vehicle and Installation maintenance.

**XII. Process Codes and Design Capacities**

- A. PROCESS CODE** - Enter the code from the list of process codes below that best describes each process to be used at the facility. Thirteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in item XIII.
- B. PROCESS DESIGN CAPACITY** - For each code entered in column A, enter the capacity of the process.
- AMOUNT** - Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.
  - UNIT OF MEASURE** - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.
- C. PROCESS TOTAL NUMBER OF UNITS** - Enter the total number of units used with the corresponding process code.

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
<i>Disposal:</i>					
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day	T81	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T82	Lime Kiln	
D81	Land Treatment	Acres or Hectares	T83	Aggregate Kiln	
D82	Ocean Disposal	Gallons Per Day or Liters Per Day	T84	Phosphate Kiln	
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards	T85	Coke Oven	
D99	Other Disposal	Any Unit of Measure Listed Below	T86	Blast Furnace	
<i>Storage:</i>					
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards	T87	Smelting, Melting, Or Refining Furnace	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Hour; Liters Per Hour; or Million Btu Per Hour
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T88	Titanium Dioxide Chloride Oxidation Reactor	
S03	Waste Pile	Cubic Yards or Cubic Meters	T89	Methane Reforming Furnace	
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T90	Pulping Liquor Recovery Furnace	
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards	T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
S06	Containment Building Storage	Cubic Yards or Cubic Meters	T92	Halogen Acid Furnaces	
S99	Other Storage	Any Unit of Measure Listed Below	T93	Other Industrial Furnaces Listed In 40 CFR §260.10	
<i>Treatment:</i>					
T01	Tank Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour	T94	Containment Building-Treatment	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour	<i>Miscellaneous (Subpart X):</i>		
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour	X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Day; Liters Per Hour; or Million Btu Per Hour	X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour	X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; or Million Btu Per Hour
			X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
			X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G	Short Tons Per Hour	D	Cubic Yards	Y
Gallons Per Hour	E	Metric Tons Per Hour	W	Cubic Meters	C
Gallons Per Day	U	Short Tons Per Day	N	Acres	B
Liters	L	Metric Tons Per Day	S	Acre-feet	A
Liters Per Hour	H	Pounds Per Hour	R	Hectares	Q
Liters Per Day	V	Kilograms Per Hour	J	Hectare-meter	F
		Million Btu Per Hour	X	Btu Per Hour	I

<b>EPA I.D. Number (Enter from page 1)</b>										<b>Secondary ID Number (Enter from page 1)</b>													
N	M	4	2	1	3	7	2	0	1	0	1												

**XII. Process Codes and Design Capabilities (Continued)**

**EXAMPLE FOR COMPLETING ITEM XII (shown in line number X-1 below): A facility has a storage tank, which can hold 533,788 gallons.**

Line Number	A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY		C. Process Total Number Of Units	For Official Use Only			
				1. Amount (Specify)	2. Unit Of Measure (Enter code)					
X 1	S	0	2	533,788	G	001				
1	T	0	4	10,000.00	lbs/yr					
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										

**NOTE: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in item XIII.**

**XIII. Other Processes (Follow instructions from item XII for D99, S99, T04 and X99 process codes)**

Line Number (Enter as in pag w/XII)	A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY		C. Process Total Number Of Units	D. Description Of Process
				1. Amount (Specify)	2. Unit Of Measure (Enter code)		
X 1	T	0	4				In-situ Vitrification
1							
2							
3							
4							



EPA I.D. Number (Enter from page 1)										Secondary ID Number (Enter from page 1)													
N	M	4	2	1	3	7	2	0	1	0	1												
XIV. Description of Hazardous Wastes (Continued)																							
Line Number	A. EPA Hazardous Waste No. (Enter code)					B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES															
	(1) PROCESS CODES (Enter code)														(2) PROCESS DESCRIPTION (If a code is not entered in D(1))								
1	D	0	0	3	10,000	P	T	0	4														
2	D	0	0	1																		included with above	
3	D	0	0	5																		included with above	
4	D	0	0	8																		included with above	
5	D	0	0	9																		included with above	
6																							
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EPA ID Number (Enter from page 1)										Secondary ID Number (Enter from page 1)													
N	M	4	2	1	3	7	2	0	1	0	1												

**XV. Map**

Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the nature of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

**XVI. Facility Drawing**

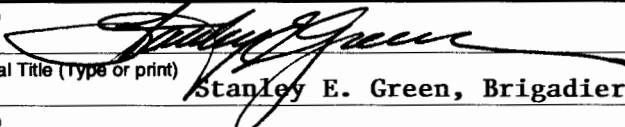
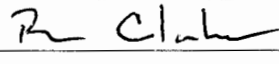
All existing facilities must include a scale drawing of the facility (see instructions for more detail).

**XVII. Photographs**

All existing facilities must include photographs (aerial or ground level) that clearly delineate all existing structures, existing storage, treatment and disposal areas, and sites of future storage, treatment or disposal areas (see instructions for more detail).

**XVIII. Certification(s)**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner Signature		Date Signed	10/30/00
Name and Official Title (Type or print)	Stanley E. Green, Brigadier General, U.S. Army, Commanding		
Owner Signature		Date Signed	
Name and Official Title (Type or print)			
Operator Signature		Date Signed	30 Aug 2000
Name and Official Title (Type or print)	Brian P. Clarke, Captain, EOD, Commanding		
Operator Signature		Date Signed	
Name and Official Title (Type or print)			

**XIX. Comments**

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Note: Mail completed form to the appropriate EPA Regional or State Office. (Refer to instructions for more information)