

EPA ID NO: V A 1 1 2 1 0 0 2 0 7 3 0

OMB #: 2050-0034 Expires 11/30/2005

United States Environmental Protection Agency
HAZARDOUS WASTE PERMIT INFORMATION FORM

1. Facility Permit Contact (See instructions on page 23)	First Name: <u>Joy</u>	MI:	Last Name: <u>CASE</u>
	Phone Number: <u>540-731-5762</u>		Phone Number Extension: <u>NA</u>
2. Facility Permit Contact Mailing Address (See instructions on page 23)	Street or P.O. Box: <u>P.O. BOX 2</u>		
	City, Town, or Village: <u>RADFORD</u>		
	State: <u>VA</u>		
	Country: <u>U.S.A.</u>	Zip Code: <u>24143</u>	
3. Operator Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: <u>P.O. BOX 1</u>		
	City, Town, or Village: <u>RADFORD</u>		
	State: <u>VA</u>		
	Country: <u>U.S.A.</u>	Zip Code: <u>24143</u>	Phone Number: <u>540-639-7631</u>
4. Legal Owner Mailing Address and Telephone Number (See instructions on page 23)	Street or P.O. Box: <u>P.O. BOX 2</u>		
	City, Town, or Village: <u>RADFORD</u>		
	State: <u>VA</u>		
	Country: <u>U.S.A.</u>	Zip Code: <u>24143</u>	Phone Number: <u>540-731-5762</u>
5. Facility Existence Date (See instructions on page 24)	Facility Existence Date (mm/dd/yyyy): <u>1941</u>		
6. Other Environmental Permits (See instructions on page 24)			
A. Permit Type (Enter code)	B. Permit Number		C. Description
<u>E</u>	<u>20656</u>		<u>AIR REGISTRATION / TITLE V Permit</u>
<u>N</u>	<u>VA0000248</u>		<u>WASTEWATER</u>
<u>R</u>	<u>VA1210020730</u>		<u>SUBPART D; SUBPART X; Post Closure CARE</u>
<u>E</u>	<u>1121643</u>		<u>DRINKING WATER</u>
<u>E</u>	<u>1155645</u>		<u>DRINKING WATER</u>
7. Nature of Business (Provide a brief description; see instructions on page 24)			
<u>Army Ammunition Plant</u> <u>Propellant manufacturing</u>			

Process Codes and Design Capacities (See instructions on page 24) - Enter information in the Sections on Form Page 3.

PROCESS CODE - Enter the code from the list of process codes in the table below that best describes each process to be used at the facility. Fifteen 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), enter the process information in Item 9 (including a description).

B. PROCESS DESIGN CAPACITY - For each code entered in Section A, enter the capacity of the process.

- 1. 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.
- 2. UNIT OF MEASURE** - For each amount entered in Section B(1), enter the code in Section B(2) from the list of unit of measure codes below that describes the unit of measure used. Select only from the units of measure in this list.

C. PROCESS TOTAL NUMBER OF UNITS - Enter the total number of units for each 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
	<u>Disposal:</u>			<u>Treatment (continued):</u>	
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day	T81	Cement Kiln	For T81-T93:
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards	T82	Lime Kiln	
D81	Land Treatment	Acres or Hectares	T83	Aggregate 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; or Million Btu Per Hour
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 in Code Table Below	T86	Blast Furnace	
	<u>Storage:</u>		T87	Smelting, Melting, or Refining Furnace	
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards	T88	Titanium Dioxide Chloride Oxidation Reactor	
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T89	Methane Reforming Furnace	
S03	Waste Pile	Cubic Yards or Cubic Meters	T90	Pulping Liquor Recovery Furnace	
	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards	T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards	T92	Halogen Acid Furnaces	
S06	Containment Building Storage	Cubic Yards or Cubic Meters	T93	Other Industrial Furnaces Listed In 40 CFR §260.10	
S99	Other Storage	Any Unit of Measure in Code Table Below	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 Day; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
	<u>Treatment:</u>			<u>Miscellaneous (Subpart X):</u>	
T01	Tank Treatment	Gallons Per Day; Liters Per Day	X01	Open Burning/Open Detonation	Any Unit of Measure in Code Table Below
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day	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
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	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
T04	Other Treatment	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 Day; Liters Per Hour; or Million Btu Per Hour	X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour	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.....	J	Hectares.....	Q
Liters Per Day.....	V	Kilograms Per Hour.....	R	Hectare-meter.....	F
		Million Btu Per Hour.....	X	Btu Per Hour.....	I

Process Codes and Design Capacities (Continued)

EXAMPLE FOR COMPLETING Item 8 (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	5 3 3 . 7 8 8	G	0 0 1							
	1				CORRECTIVE ACTION PERMIT									
	2													
	3													
	4													
	5													
	6													
	7													
	8													
	9													
1	0													
1	1													
1	2													
1	3													
1	4													
1	5													

NOTE: If you need to list more than 15 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 9.

9. Other Processes (See instructions on page 25 and follow instructions from Item 8 for D99, S99, T04 and X99 process codes)

Line Number (Enter #s in sequence with Item 8)		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	2	T	0	4	1 0 0 . 0 0 0	U	0 0 1	In-situ Vitrification
NA								

10. Description of Hazardous Wastes (See instructions on page 25) - Enter information in the Sections on Form Page 5.

EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR Part 261, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in Section A, estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in Section A, estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in Section B, enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure, taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES**1. PROCESS CODES:**

For listed hazardous waste: For each listed hazardous waste entered in Section A, select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the listed hazardous wastes.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in Section A, select the code(s) from the list of process codes contained in Items 8A and 9A on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. Enter the first two as described above.
2. Enter "000" in the extreme right box of Item 10.D(1).
3. Use additional sheet, enter line number from previous sheet, and enter additional code(s) in Item 10.E.

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in Item 10.D(2) or in Item 10.E(2).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in Section A. On the same line complete Sections B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In Section A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In Section D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING Item 10 (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operations. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

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))	
X	1	K	0	5	4	900	P	T	0	3	D	8	0				
X	2	D	0	0	2	400	P	T	0	3	D	8	0				
X	3	D	0	0	1	100	P	T	0	3	D	8	0				
	4	D	0	0	2												Included With Above

EPA ID NO: VA1210020730

OMB #: 2050-0034 Expires 11/30/2005

10. Description of Hazardous Wastes (Continued. Use this Additional Sheet(s) as necessary; number as 5 a, etc.)

[illegible]

EPA ID NO: V A 1 1 2 1 0 0 2 0 7 3 0

OMB #: 2050-0034 Expires 11/30/2005

10. Description of Hazardous Wastes (Continued. Use the Additional Sheet(s) as necessary; number pages as 5 a, etc.)

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)									
1	NA												
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													

EPA ID NO: V A 1 2 1 0 0 2 0 7 3 0

OMB #: 2050-0034 Expires 11/30/2005

11. Map (See instructions on pages 25 and 26)

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 outline 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.

12. Facility Drawing (See instructions on page 26)

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

13. Photographs (See instructions on page 26)

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).

14. Comments (See instructions on page 26)

Reapplication for site wide Corrective Action permit.

3

3



MEETING NOTES
TELEPHONE CONFERENCE CALL
OCTOBER 4, 2007

Attendees:

EPA; Will Geiger, Bob Greaves, Russ Fish
VADEQ: Jim Cutler, Durwood Willis, Leslie Romanchik
RFAAP: Jim McKenna (ACO), Jerry Redder (ATK), Paige Holt

Mr. McKenna discussed the complexity and the time required to obtain funding to prepare a permit application. Based on those issues RFAAP feels that it needs to begin the process now to maintain compliance and have a permit application complete by May 1, 2010.

Virginia DEQ (VADEQ) will issue the next permit. RFAAP is to send the application to VADEQ and copy EPA. VADEQ requires a Part A with maps and some details that are not in the current permit. VADEQ has a redline strikeout guidance to simplify the process. Note VADEQ sent the guidance to RFAAP.

VADEQ would like to maintain the status quo concerning the work at RFAAP. Once RFAAP has submitted a complete permit application the existing permit will remain in affect until a new permit is issued.

The agenda for this meeting is on the next page.

AGENDA
Radford AAP RCRA Corrective Action Permit
October 4, 2007
0930 AM

Attendees:

EPA; Will Geiger, Bob Greaves, Russ Fish
VADEQ: Jim Cutler, Durwood Willis
RFAAP: Jim McKenna (ACO), Jerry Redder (ATK)

Discussion:

Permit expires October 31, 2010
VADEQ is authorized
Re application required NLT May 4, 2010

1. Army planning and procurement cycles
Jim McKenna
2. Regulatory Issues
 - a. Issuing Agency
 - b. Functional Lead (who will be reviewing the plans EPA lead or DEQ Lead?)
3. Permit Re application
 - a. RFAAP submit a re application request with a revised Attachment A during the first half of 2008 to EPA and DEQ
 - b. RFAAP submit an extension request to existing permit
4. Permit Modification
 - a. Incorporate completed work
 - b. Can be worked with re application
5. Plan Forward Documentation
 - a. Formal correspondence with certifications or email
 - b. Time set aside at each quarterly meeting or separate telephone conference

2

3



Concerning the following:

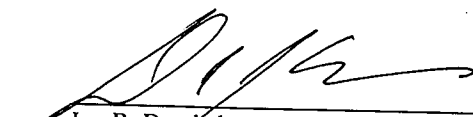
Radford Army Ammunition Plant
Permit Renewal for RCRA Corrective Action Permit
January 2009

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 fines and imprisonment for knowing violations.

SIGNATURE:

PRINTED NAME:

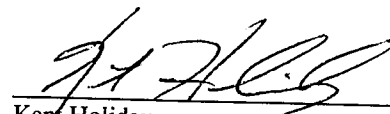
TITLE:


for Jon R. Drushal
Lieutenant Colonel (P), US Army
Commanding

SIGNATURE:

PRINTED NAME:

TITLE:


Kent Holiday
Vice President and General Manager
ATK Energetics Systems