

**U.S. Army Garrison - Redstone
Huntsville, Madison County, Alabama
EPA I.D. Number AL 7 210 020 742**

FACT SHEET

An emergency permit has been prepared for the Redstone Arsenal (RSA) facility, a hazardous waste facility located in Huntsville, Madison County, Alabama. This fact sheet has been prepared to briefly advise the public of the principal permitting, legal and policy issues of the permit.

I. PERMIT PROCESS

The purpose of the permitting process is to allow the State and the public to evaluate RSA's ability to comply with the hazardous waste management requirements of the Alabama Hazardous Waste Management and minimization Act (AHWMMA), as amended. RSA must comply with hazardous waste management conditions set forth in the emergency permit during its effective period, which is two weeks, from March 7, 2019 to March 21, 2019.

II. PROCEDURES FOR REACHING A FINAL DECISION

The Alabama Department of Environmental Management (ADEM or Department) has issued an emergency permit to allow for treatment of unstable compounds. ADEM Admin. Code r. 335-14-8-.08(6)(b)1. requires that the public be given an at least 45-day comment period for each permit. The comment period will begin on March 15, 2019, which is the date of publication of the public notice in a major local newspaper of general circulation, and will end on April 30, 2019. The public notice will also be broadcast over local radio station(s).

Any person interested in commenting on the emergency permit application or emergency permit must do so within the 45-day comment period discussed above. All persons wishing to comment on any of the permit conditions or the permit application should submit their comments in writing to the Alabama Department of Environmental Management, Permits and Services Division, 1400 Coliseum Blvd. (zip 36110-2059), P.O. Box 301463 (zip 36130-1463) Montgomery, Alabama, Attention: Mr. Russell A. Kelly.

ADEM will consider all written comments received during the comment period. After the comment period, notice will be given to the applicant and each person who has submitted written comments or requested information. All comments received within the 45-day period will be considered in the formulation of future permits of this type.

III. FACILITY DESCRIPTION

Redstone Arsenal (RSA) is a contiguous U. S. Army installation operated by the U. S. Army Aviation and Missile Command. RSA is located in Madison County, Alabama, at latitude N34° 37' 00" and longitude W86° 39' 00". RSA is bounded on the north by Interstate 565, on the east and northeast by the City of Huntsville, on the west and

northwest by the City of Madison, and on the south by the Tennessee River. RSA is approximately 6 miles wide in an east to west direction and 10 miles long in a north to south direction. The installation occupies approximately 57.4 square miles or 37,910 acres.

RSA operates a hazardous waste facility that includes storage, the operation of Subpart X (Open Burning and Open Detonation Units or OB and OD) treatment facilities, and the implementation of investigation and corrective action for solid waste management units (SWMUs) and areas of concern (AOCs). These areas are permitted under the facility's AHWMA Treatment, Storage and Disposal (TSD) permit. This fact sheet specifically addresses the emergency permit that has been developed to allow the open detonation or open burning of 300 pounds of ammonium nitrate mixed with 1 percent zinc oxide and 2 percent unknown substance, 4,305 grams titanium powder and 1,175 grams magnesium powder that have been stored at RSA. These compounds have been determined to be unstable and unsuitable for usage or testing. No other viable treatment alternatives have been identified. In addition, RSA's permitted Subpart X Open Burning (OB) treatment unit and Subpart X Open Detonation (OD) treatment unit are currently unusable due to construction that cannot be completed due to the wet conditions.

IV. SUMMARY OF PROPOSED PERMIT

This emergency permit allows RSA to treat 300 pounds of ammonium nitrate mixed with 1 percent zinc oxide and 2 percent unknown substance, 4,305 grams titanium powder and 1,175 grams magnesium powder by open detonation or open burning at Test Area 1 (TA-1).

V. TECHNICAL CONTACT

Jeanne M. Barnes
Governmental Hazardous Waste Branch, Land Division
Alabama Department of Environmental Management
1400 Coliseum Blvd (zip 36110-2059)
P.O. Box 301463 (zip 36130-1463)
Montgomery, Alabama
Phone: (334) 271-7752
Fax: (334) 279-3050
Email: jmbarnes@adem.alabama.gov



Alabama Department of Environmental Management
adem.alabama.gov

1400 Coliseum Blvd. 36110-2400 ■ Post Office Box 301463
Montgomery, Alabama 36130-1463
(334) 271-7700 ■ FAX (334) 271-7950

March 7, 2019

CERTIFIED MAIL #

Ms. Terry de la Paz, Division Chief
Department of the Army
Installation Management Command
Directorate of Environmental Management
Installation Restoration Division
(IMRE-PWE-IR) - Bldg. 4488
Redstone Arsenal, AL 35898

RE: *Emergency Permit*
Redstone Arsenal (RSA) DSMOA Environmental Restoration Program
U.S. EPA I.D. No. AL 7 210 020 742

Dear Ms. de la Paz:

The Alabama Department of Environmental Management (ADEM) has made a final determination to issue an Alabama Hazardous Wastes Management and Minimization Act Emergency Permit to the U.S. Department of the Army, Redstone Arsenal. The permit is approved as of this date and a public comment period will be held from March 15, 2019 to April 30, 2019.

Enclosed is the issued emergency permit. If questions and comments arise concerning this matter, please contact Jeanne Barnes of the Governmental Hazardous Waste Branch at (334) 271-7752 or via email at jmbarnes@adem.alabama.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Cobb", is written over a light blue horizontal line.

Stephen A. Cobb, Chief
Land Division

Attachment

cc: Michael Stierwalt, RSA
Brian Roberson, NASA MSFC
Robert Morris, EPA Region 4 (email)
Melissa Douglas, RSA (email)

Michelle Thornton, EPA Region 4 (email)
Angelique Ortiz, Redstone Arsenal (email)
Daniel Arthur, ADEM (email)
Kelley Hartley, ADEM (email)



HAZARDOUS WASTE EMERGENCY PERMIT

STATEMENT OF BASIS

US EPA Identification Number: AL 7 210 020 742

Permittee: U.S. Army, Garrison Redstone
U.S. Army Aviation and Missile Research
Development and Engineering Center (AMRDEC)

Facility Name: U.S. Army, Garrison Redstone

Location: Huntsville, Madison County

Type of Hazardous Waste Management: Thermal treatment

Permit Duration: Two (2) weeks

The conditions in this permit are based on standards promulgated under Chapters 335-14-2, 335-14-3, 335-14-5, 335-14-7 and 335-14-8 of the ADEM Administrative Code.

The waste covered by this permit consists of 300 pounds of ammonium nitrate mixed with 1% zinc oxide and 2% unknown substance, 4,305 grams (~9.48 pounds) titanium powder and 1,175 grams (~2.58 pounds) magnesium powder located in storage igloos at the U. S. Department of the Army, Redstone Arsenal (RSA). These items have been determined to be unstable/unsafe and unsuitable for testing. The thermal treatment described in this permit was determined to be the safest and most effective technology available to dispose of the compounds.

This permit allows for implementation of on-site treatment of the listed items using thermal treatment, by open detonation or open burning. RSA is currently authorized to conduct Open Burning and Open Detonation (OB/OD) operations at two units regulated by the Resource Conservation and Recovery Act (RCRA) and in accordance with the ADEM Administrative Code Rule 335-14-5-.24. However, RSA's OB/OD areas are currently under remedial construction and the construction completion date is not known. Because of the age (over 20 years) of these compounds, they pose significant risks to Ammunition Supply Point (ASP) personnel, thus, the ammonium nitrate, titanium powder and magnesium powder will be processed at Test Area 1 (TA-1).

The issuance of this permit will result in environmental and safety benefits as compared to the current storage of these hazardous wastes. The conditions of this permit are designed to protect public health and the environment. The treatment will be performed at TA-1 at RSA to minimize risk to the public, and will continue until the treatment is complete or expiration of this permit.

Issuance of an emergency permit under ADEM Administrative Code R. 335-14-8-.06(1) is warranted because there is an imminent and substantial endangerment to human health and the environment due to the potential instability of the waste and the lack of available treatment alternatives.

HAZARDOUS WASTE FACILITY PERMIT

ISSUED TO: United States Department of the Army, Redstone Arsenal

EPA ID/PERMIT NUMBER: AL7 210 020 742

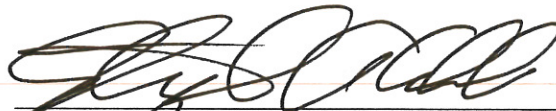
LOCATION: Huntsville, Madison County, Alabama,
Latitude 34° 38' 53" and Longitude -86° 39' 35"

UNITS PERMITTED: Emergency Treatment at Test Area (TA) 1

EFFECTIVE DATE: March 7, 2019

EXPIRATION DATE: March 21, 2019

This Permit is issued pursuant with the Code of Alabama 1975, §§ 22-30-1-et. seq., as amended, and regulations adopted thereunder and the Hazardous Waste Management and Minimization Act and in accordance with the plans and specifications and applications filed with the Department subject to the conditions appended hereto, all of which are considered a part of this Permit. This Permit shall be subject to all applicable laws of the State of Alabama, rules and regulations and orders of the Department of Environmental Management and shall be effective from the date of issuance.



Alabama Department of Environmental Management

US EPA Identification No./Permit No. AL7 210 020 742
Name of Permittee/Operator: U.S. Department of the Army,
Redstone Arsenal
Operator: U.S. Department of the Army,
Redstone Arsenal
Facility Location: Madison County, Alabama 35898
Effective Date: March 7, 2019
Expiration Date: March 21, 2019

In compliance with the provisions of the Alabama Hazardous Wastes Management and Minimization Act, as amended, the Permittee is authorized to conduct hazardous waste management activities including:

Storage
 * Treatment
 Disposal

at the facility location in accordance with the provisions and conditions attached to this permit.


Alabama Department of Environmental Management

3/7/19
Date

A. WASTE LIST

The following hazardous wastes may be treated at this facility

Waste Number	Common Name/Description	Total Quantity
D001, D003	Flammable/Ignitable, Reactive/Energetic	300 pounds of ammonium nitrate mixed with 1% zinc oxide and 2% unknown substance, 4,305 grams titanium powder and 1,175 grams magnesium powder

B. HAZARDOUS WASTE TREATMENT, STORAGE, DISPOSAL UNITS LIST

The following hazardous waste management units are covered by the permit: Emergency Treatment at Test Area 1 (TA-1)

1. Process Description

Design Capacity

The compounds will be treated using thermal treatment, by open detonation or open burning. This action will be performed at TA-1 at Redstone Arsenal.

300 pounds of ammonium nitrate mixed with 1% zinc oxide and 2% unknown substance, 4,305 grams titanium powder and 1,175 grams magnesium powder. The compounds are not to be treated if there is more than 80 percent cloud cover.

2. Restrictions

- (a) Management of the waste shall be in accordance with the approved plan and Section B.5 of this permit.
- (b) Explosives Ordnance Disposal (EOD) will be in charge of the treatment.
- (c) The RSA UXO Safety Officer (UXOSO) will be onsite to provide observation and coordination during the transportation and treatment operations.
- (d) The TA-1 Range Safety Officer will be onsite during the treatment activities for observation and coordination.
- (e) The treatment of chemical agents, nuclear or radioactive materials, biological agents, depleted uranium, or items containing or contaminated with these materials is expressly prohibited.

3. Transportation Conditions

- (a) The treatment area shall be secured. All nonessential personnel shall be evacuated from the immediate area during removal of the unstable compounds from storage, transportation to the treatment area, and placement in the treatment area. Road barricades will be placed to prevent unauthorized entry to the storage and treatment areas.
- (b) The unstable compounds shall be properly containerized for transportation to ensure stability during movement to the treatment area.
- (c) The predetermined route of travel shall be directly from the storage bunkers north to the TA-1 treatment area. The route is approximately 1.5 miles along McAlpine, Buxton and Patton Roads. EOD personnel shall be responsible for moving the compounds.
- (d) The route of travel between the storage area and the treatment area shall be secured by the RSA UXO Safety Officer prior to transport, and shall be cleared of non-essential traffic during the transport procedures. Traffic will be blocked at Buxton and Patton Roads during transport.

4. Storage Conditions

The containers holding the compounds shall remain at their current locations until the appropriate time for removal for treatment. During removal from storage, care shall be taken to not damage the containers. The storage bunkers, Buildings 8101 and 8109, will remain closed off to nonessential persons.

5. Treatment Conditions

The compounds will be treated at Redstone Arsenal, TA-1 and treatment will be performed by the Explosive Ordnance Disposal (EOD) team personnel trained in munitions/propellant handling and OB/OD operations. Treatment will be accomplished using open detonation or open burning during daylight hours; commencing no sooner than one hour after sunrise and ending no later than one hour before sunset. The EOD Team will decide the treatment method based on atmospheric and other conditions on the day of treatment. The EOD Team will requisition donor material as required to complete the treatment. After treatment, any residues will be properly disposed.

C. GENERAL CONDITIONS

1. Duration of Permit (Rules 335-14-8-.05 and 335-14-8-.06(1))

- (a) This permit is issued for a period of two (2) weeks.

- (b) This permit may be terminated by the Department at any time without process if it is determined that termination is appropriate to protect human health and the environment.
- (c) In the event that treatment of the compounds cannot be completed within the two weeks due to safety, weather, logistical or other reasons, Redstone Arsenal may/shall apply for a one-time renewal of the permit.

2. Duty to Comply (Rule 335-14-8-.03(l)(a))

The Permittee shall comply with all conditions of this permit. All words used in this permit shall have the meaning and definitions set forth in Chapter 335-14-8 of the ADEM Administrative Code. The operation of the facility shall be in accordance with the conditions agreed to with ADEM. The conditions have been incorporated as part of the permit. The filing of a request by the Permittee for a permit modification, revocation, re-issuance, termination, planned changes or anticipated noncompliance does not stay any condition of this permit. Any permit noncompliance constitutes a violation of the ADEM Administrative Code and is grounds for enforcement action including permit termination, revocation and re-issuance, or modification or for denial or a permit renewal application. In addition, criminal or civil actions may be brought in appropriate instances.

3. Imminent Hazard Action (Rule 335-14-5-.01(4))

Notwithstanding any other provision of these Rules, enforcement actions may be brought pursuant to Section 7003 of RCRA and AHWMMMA.

4. Duty to Mitigate (Rule 335-14-8-.03(1)(d))

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

5. Personnel Training (Rule 335-14-5-.02(7))

Contact with the wastes will be limited to personnel adequately trained in the handling of reactive and flammable wastes.

6. Emergency Coordinator (Rule 335-14-5-.04(6))

The Permittee will ensure that at all times there is at least one employee either on the premises or on call (i.e., available to respond to an emergency by reaching the facility within a short period of time) with the responsibility for coordinating all emergency response measures.

The emergency coordinator must, in addition to carrying out the responsibilities specified in Rule 335-14-5-.04(7) of the ADEM Administrative Code, be thoroughly familiar with all operations and activities at the facility, and the location layout. In addition, this person must have the authority to commit the resources needed to carry out all emergency response measures.

7. Proper Operation and Maintenance (Rule 335-14-5-.03(2))

The Permittee must maintain and operate the facility in a manner to minimize the possibility of any unplanned fire, explosion, or sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, and surface water, which could threaten human health or the environment.

8. Security (Rule 335-14-5-.02(5))

The Permittee must prevent the unknowing entry and minimize the possibility for the unauthorized entry of persons or livestock onto the active portions of the facility by means of:

- (a) A surveillance system that continuously monitors and controls entry onto the active portion of the facility.
- (b) An artificial or natural barrier that completely surrounds the active portion of the facility and a means to control entry, at all times, through gates or other entrances to the active portion of the facility.
- (c) In addition, the facility must post a sign with the legend "DANGER - UNAUTHORIZED PERSONNEL KEEP OUT", at each entrance to the active portion of the facility, and at other locations, in sufficient numbers to be seen from any approach to this active portion. This legend must be written in English and any other language predominant in the area surrounding the facility and must be legible from a distance of at least 25 feet. Existing signs with a legend other than "DANGER - UNAUTHORIZED PERSONNEL KEEP OUT" may be used if the wording on the sign indicates that only authorized personnel are allowed to enter the active portion and that entry onto the active portion can be dangerous.

9. Access to Communications or Alarm System (Rule 335-14-5-.03(5))

Whenever hazardous waste is being loaded, unloaded, or otherwise handled, the Permittee must ensure that all personnel involved in the operation will have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee.

10. General Inspection Requirements (Rule 335-14-5-.02(6))

The Permittee must inspect the site prior to the unloading or managing any waste to ensure that only authorized personnel are present.

11. General Requirements for Ignitable, Reactive or Incompatible Waste (Rule 335-14-5-.02(8))

The Permittee must take precautions to prevent accidental ignition or reaction of ignitable or reactive waste.

12. Arrangements with Local Authorities (Rule 335-14-5-.03(8))

The Permittee must assure that the following arrangements have been made with the local authorities (unless otherwise specified):

- (a) Arrangements made to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of hazardous waste handled at the facility and associated hazards, places where facility personnel will normally be working, entrances to and roads inside the facility, and possible evacuation routes;
- (b) Agreements designating primary emergency authority to a specific police and a specific fire department, and agreements with any other to provide support to the primary emergency authority;
- (c) Agreements with State emergency response teams, emergency response contractors, and equipment suppliers; and
- (d) Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses that could result from fire, explosions, or releases at the facility.
- (e) The RSA UXOSO will coordinate with U.S. Army Garrison (USAG) Redstone Arsenal Fire and Emergency Services for on-site support to assist in the event of fire or personal injury emergencies.
- (f) EOD personnel will be responsible for the treatment of the waste material.

13. Identification Number (Rule 335-14-5-.02(2))

An EPA Identification Number has been assigned to the facility: AL 7 210 020 742

14. Closure (Rule 335-14-5-.07(2))

- (a) All treatment residuals shall be collected and properly disposed.
- (b) A visual inspection of the treatment site shall be performed to ensure all debris and treatment residuals have been removed.
- (c) At the completion of processing the compounds, surface soil samples shall be collected and submitted to an analytical laboratory for metals testing. The testing shall be completed using US EPA Method SW-846.

15. Reporting (Rule 335-14-5-.05(8))

The Permittee shall submit to the Alabama Department of Environmental Management the following information:

- (a) The EPA identification number.
- (b) The actual dates and times of treatment.
- (c) A description of and the quantity of each container of waste that is stored and/or treated.
- (d) Name of emergency coordinator: RSA UXOSO
- (e) Copy of all analytical reports and a description of the sampling and analytical methods used.
- (f) A certification that the emergency has been alleviated.

Jeanne,

Attached are the responses to your questions from AMCOM Safety Group. Please let me know if you need anything else.

Thank you,

Lisa Douglas
US Army Garrison - Redstone
IMRE-PWE-I
256-842-2843
Melissa.L.Douglas2.civ@mail.mil

-----Original Message-----

From: Dickinson, William S CIV USARMY USAMC (USA)
Sent: Wednesday, March 06, 2019 10:09 AM
To: Douglas, Melissa L CIV USARMY ID-SUSTAINMENT (US) <melissa.l.douglas2.civ@mail.mil>
Cc: Champion, Brad T CIV USARMY AMCOM (US) <brad.t.champion.civ@mail.mil>
Subject: FW: Emergency Disposal at Redstone Arsenal (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

Melissa, please see answers below and attached route map. If there are further questions please forward to me and I will answer them.

Where did these items come from? The ASP is not totally sure either RTC or AMRDEC mixed the Ammonium Nitrate somewhere around 20 years ago and it along with the Titanium Powder and Magnesium powder have been stored there ever since.

Where have these items been stored? Items are stored at the ASP in bunkers 8101 and 8109

Why has their presence become an emergency? Age/condition/water and other environmental considerations has made the items in question hazardous to the ASP workers.

Is there a reason that these items can't be burned/detonated at OB/OD? OB/OD is currently down with no projected startup date, as stated above the items do not need to be left in storage any longer than necessary.

Can they not wait to blow until the OD is completed? No waiting puts the ASP workers conducting inventories and ammunition maintenance at an increased risk.

Who, in addition to EOD, will be involved in the operation? The RSA UXOSO and TA-1 Range control

Who will be the emergency coordinator? RSA UXOSO

How will the items be moved to the range? EOD will transport from ASP to TA-1.

What precautions will be taken to make sure that the public stays safe? All actions will take place on Redstone. EOD will be escorted from the ASP to TA-1 approximate distance is 1.5 miles on Buxton and Patton Roads.

What route will be used for transport? McAlpine Rd to Buxton Road to Patton Rd into TA-1

Please send a map showing the route. Attached

William S. Dickinson
Explosive Safety Specialist
AMCOM Safety
Office: 256-842-4253
Cell: 256-679-9047
24hr: 256-945-0293

-----Original Message-----

From: Champion, Brad T CIV USARMY AMCOM (US)
Sent: Wednesday, March 6, 2019 9:31 AM
To: Dickinson, William S CIV USARMY USAMC (USA) <william.s.dickinson.civ@mail.mil>
Subject: Fwd: Emergency Disposal at Redstone Arsenal

See questions below.

Thanks,
Brad

Begin forwarded message:

From: "Douglas, Melissa L CIV USARMY ID-SUSTAINMENT (US)" <melissa.l.douglas2.civ@mail.mil>
<<mailto:melissa.l.douglas2.civ@mail.mil>> >
Date: March 6, 2019 at 6:28:57 AM CST
To: "Champion, Brad T CIV USARMY AMCOM (US)" <brad.t.champion.civ@mail.mil>
<<mailto:brad.t.champion.civ@mail.mil>> >
Subject: FW: Emergency Disposal at Redstone Arsenal

Brad,

These are ADEM's questions that will be used to fill out the emergency permit. Please get me the answers as soon as possible so she can finalize the permit by the end of the week.

Thank you,

Lisa Douglas
US Army Garrison - Redstone
IMRE-PWE-I
256-842-2843

Melissa.L.Douglas2.civ@mail.mil <<mailto:Melissa.L.Douglas2.civ@mail.mil>>

-----Original Message-----

From: Barnes, Jeanne M [<mailto:jmbarnes@adem.alabama.gov>]

Sent: Tuesday, March 05, 2019 3:48 PM

To: Douglas, Melissa L CIV USARMY ID-SUSTAINMENT (US) <melissa.l.douglas2.civ@mail.mil>
<<mailto:melissa.l.douglas2.civ@mail.mil>> >

Cc: Arthur, Daniel <daniel.arthur@adem.alabama.gov>
<<mailto:daniel.arthur@adem.alabama.gov>> >; Wilson, J Jason <JWilson@adem.alabama.gov>
<<mailto:JWilson@adem.alabama.gov>> >

Subject: [Non-DoD Source] RE: Emergency Disposal at Redstone Arsenal

Thanks Lisa,

Please provide the following:

Where did these items come from? Where have these items been stored?

Why has their presence become an emergency?

Is there a reason that these items can't be burned/detonated at OB/OD? Can they not wait to blow until the OD is completed?

Who, in addition to EOD, will be involved in the operation? Who will be the emergency coordinator?

How will the items be moved to the range? What precautions will be taken to make sure that the public stays safe? What route will be used for transport? Please send a map showing the route.

Hopefully, I haven't forgotten anything significant.

Let me know if you have questions.

Jeanne

-----Original Message-----

From: Douglas, Melissa L CIV USARMY ID-SUSTAINMENT (US)

[<mailto:melissa.l.douglas2.civ@mail.mil>]

Sent: Tuesday, March 05, 2019 2:57 PM

To: Barnes, Jeanne M <jmbarnes@adem.alabama.gov> <<mailto:jmbarnes@adem.alabama.gov>> >

Cc: Stierwalt, Michael J CIV USARMY USAG (USA) <michael.j.stierwalt.civ@mail.mil>
<<mailto:michael.j.stierwalt.civ@mail.mil>> >; Delapaz, Terry M CIV USARMY USAG (USA)
<terry.m.delapaz.civ@mail.mil> <<mailto:terry.m.delapaz.civ@mail.mil>> >; Champion, Brad T CIV USARMY
AMCOM (US) <brad.t.champion.civ@mail.mil> <<mailto:brad.t.champion.civ@mail.mil>> >

Subject: Emergency Disposal at Redstone Arsenal

Jeanne,

As we discussed this afternoon, the Ammunition Supply Point (ASP) has explosives that cannot be shipped offsite and RSA plans to use EOD to blow the material at TA-1. An emergency permit is being requested for the items listed below:

300 pounds of Ammonium Nitrate mixed with 1% zinc oxide and 2% unknown substance.

4,305 grams (~9.48 pounds) titanium powder

1175 grams (~2.58 pounds) magnesium powder

AMCOM Safety would like to have EOD come this week before more rains come in if possible.

Please let me know what else you need to make a determination on an emergency permit.

Thank you,

Lisa

Melissa Douglas

US Army Garrison - Redstone

IMRE-PWE- I

256-842-2843

Melissa.L.Douglas2.civ@mail.mil <<mailto:Melissa.L.Douglas2.civ@mail.mil>>

CLASSIFICATION: UNCLASSIFIED



Clark Cemetery

Cribbs Pond

Lees Pond

Rock Pond

Government Liquidation