



U.S. ARMY

RADFORD ARMY AMMUNITION PLANT

**Commander's
Community Meeting
5:30 p.m. ET, May 28, 2025
Facebook Live
Lt. Col. Adrien G. Humphreys
Commander, U.S. Army**





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Agenda

- **Welcome, Introductions, Opening Comments**
- **Community Activities Update**
- **Energetic Waste Incinerator (EWI) progress**
- **Topics of Inquiry**
- **Environmental Update**
- **Recycling Progress**
- **Wrap Up, Questions**





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Introductions

U.S. Army

Lt Col. Adrien G. Humphreys

Commander

Radford Army Ammunition Plant

Robert Davie

Deputy to the Commander

Radford Army Ammunition Plant Army Staff

Laura Dickerson

Environmental Protection Specialist

Radford Army Ammunition Plant Army Staff

Justine Barati/ Mark Kane/ Mike Chambers

Public Affairs

Joint Munitions Command

U.S. Army Corps of Engineers

Andrea Henry

Project Manager, USACE – Norfolk District

BAE Systems, Inc.

Laura Clifford

Senior Communications Manager

Nelson Hernandez

Environmental Manager





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RFAAP Celebrates 250 Years of U.S. Army Excellence

RFAAP has been a cornerstone of U.S. defense for more than 80 years, consistently adapting to meet the evolving needs of the Department of Defense. Established as a pivotal smokeless powder plant and a model for similar facilities, RFAAP has supported every major U.S. military engagement since World War II, including the Korean and Vietnam Wars, through the production of propellants for rockets, missiles, and other munitions. From its initial construction and operation by Hercules Powder Company, through transitions to Alliant Techsystems and BAE Systems, who operates the plant today, the plant has undergone continuous modernization to increase vital production capabilities.

As the U.S. Army celebrates its 250th birthday on June 14, 2025, RFAAP proudly marks its sustained contribution to national security, evolving from a foundational defense asset into a modernized facility critical to current military operations.





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BAE Systems Community Activities Year to Date

- **Radford University** Summer Programs
 - Summer Bridge
 - BLAST
- **Mountain Valor** Veteran Services
- **RFAAP Conservation Club**
- **Mountain Empire Community College Foundation**
- **Southwest Virginia Firefighters Association**
- **Fishing Rodeo**
- **Turkey Hunts**





Radford Army Ammunition Plant

Energetic Waste Incinerator/Contaminated Waste Processor Complex

Why it's important:

- The EWI/CWP facility is an alternative technology to the open burning ground and provides a modern solution for safer waste removal with air pollution control devices.
- Construction of the new EWI/CWP facility will nearly eliminate the use of the open burning ground at RFAAP.

Overview:

- This effort provides support under the facilities upgrade and modernization program and will ensure RFAAP continued compliance and ability to treat current waste streams.
- Contract awarded by USACE Norfolk District to Parsons Government Services: \$145M





Radford Army Ammunition Plant

Energetic Waste Incinerator/Contaminated Waste Processor Complex

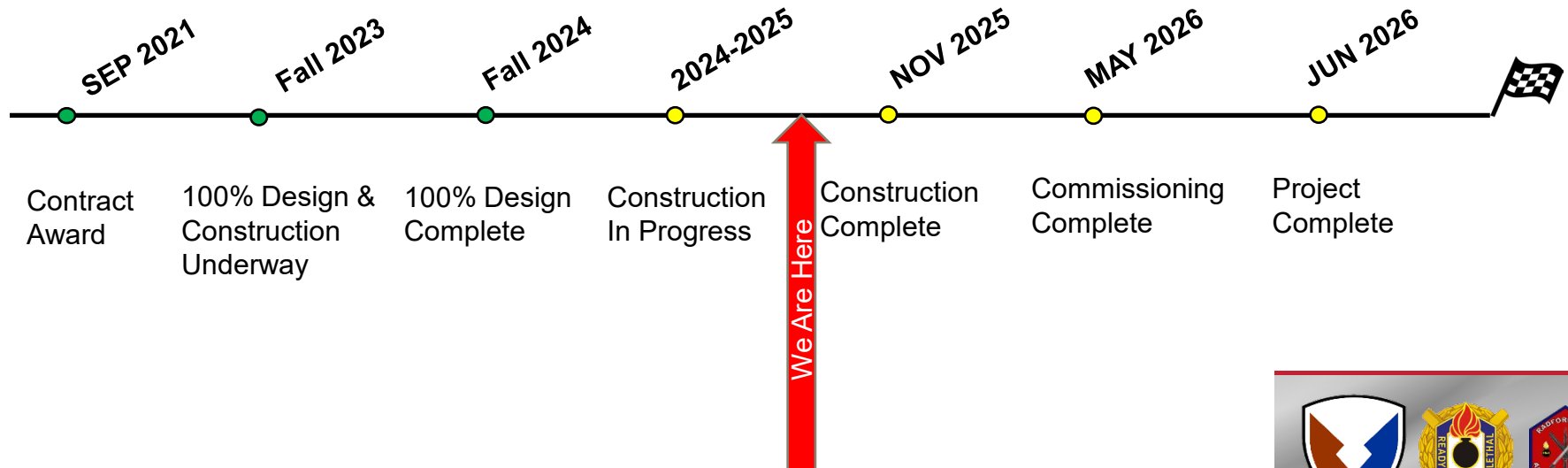
Project Schedule Delay

What we know:

- Projected 11-month delay to the project completion date, which was originally JUL 2025 and is now JUN 2026.
- Multiple issues lead to the delay: re-design, construction challenges and rework, and weather impacts.

What we are doing:

- Requested a schedule to mitigate impacts but only a minimal amount of time was able to be recovered.
- Maintain progress for critical path activities.
- Parsons brought in additional personnel and are coordinating additional workdays.
- Focused on delivering the project with a unique first-of-its-kind Contained Burn Chamber at the GOCO facility.





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Energetic Waste Incinerator/Contaminated Waste Processor Complex





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Topics of Inquiry

Nitric Acid Spill - Summary

- On Tuesday, April 22, there was a spill of weak nitric acid, a diluted form of nitric acid, at Radford Army Ammunition Plant onto the gravel at the railcar unloading area.
- After stabilizing the area so personnel could directly measure the amount of material lost from the rail car, Radford updated the spill amount for all agencies from an estimated 600 gallons to 6500 gallons.
- Clean up efforts: Treat acid spill and remove gravel/soil from spill site.
- Because of team's neutralization efforts, spill was contained to railcar area ensuring no impacts to the environment or threat to public health.

Totes - Update

- 10 totes located, three outstanding, river search continues
- If totes are found in areas downstream of RFAAP, please contact the non-emergency line of your respective county's sheriff's department, providing contact information.
- BAE Systems personnel will reach out to schedule an in-person visual assessment of the tote to determine if it was released from RFAAP.
- If the tote is confirmed to be property of BAE Systems, we will replace it with a new tote of the same volume if interested.





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Environmental Performance

- ✓ **Extensive controls and safety measures**, including stringent permitting and reporting requirements, are in place to ensure the health and safety of the surrounding communities and to protect the environment.

- In March, the Virginia Department of Environmental Quality (DEQ) issued a notice of violation (NOV) for wastewater exceedances that occurred in the second half of 2024. The cited exceedances were reported the DEQ, as required by RFAAP's wastewater discharge permit. BAE Systems has identified corrective actions to resolve the issue and has begun implementation.
Public health was not jeopardized, and there were no observed impacts to the environment.

- In March, the DEQ issued an NOV and a corresponding consent order and agreement (COA) for a non-compliance regarding an air emissions monitoring system. BAE Systems has identified corrective actions. Administrative control monitoring has shown effectiveness of corrective actions, as compliance has been maintained since implementation.
Public health was not jeopardized, and there were no observed impacts to the environment.

- Wastewater exceedances were identified for one of the treatment systems in Q1 and Q2 2025. BAE Systems has begun the process of identifying the root cause and implementing corrective actions. The exceedances were reported to Virginia DEQ, as required by RFAAP's wastewater discharge permit.
Public health was not jeopardized, and there were no observed impacts to the environment.

- ✓ **Acidic Wastewater Process Improvements:**
 - ✓ More frequent inspections to ensure process controls
 - ✓ Continued additional testing focused on multiple contributors
 - ✓ Evaluations of discharge system for improvement opportunities
 - ✓ Evaluations of pretreatment options for mechanical filtration of solids

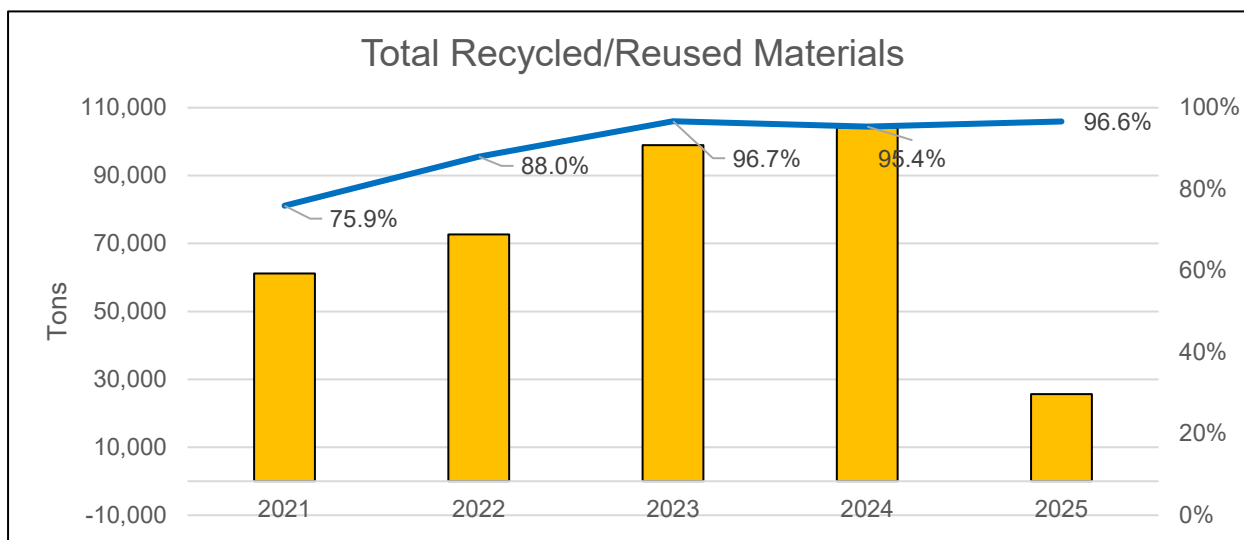




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Radford AAP Environmental Performance

- ✓ Team has brought ideas together to **increase** recycled materials to reuse in operations rather trucking materials offsite for disposal.
 - Recent successes include approval of the HSM variance request, allowing for recycling/reuse of spent acid generated at two different facilities in FL and TN.
- ✓ The sustainability rate has shown a notable increase, including a recent high of **96.7%** in 2023 and exhibiting steady performance in 2025, with a rate of **96.6%**.
- ✓ Recycling material = **reduction of carbon footprint** at RFAAP





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Questions





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Information is Available

Our commitment to responding to your questions doesn't end tonight. Resources exist for you to research information on your own or ask us questions.

Resources

Facebook: Like us at [Radford Army Ammunition Plant](#)

Homepage: www.jmc.army.mil/Radford/RadfordDefault.aspx

Email: USARMY.RIA.JMC.MBX.AMSJM-PA@ARMY.MIL

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