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U.S. ARMY



Radford Army Ammunition Plant

Community Meeting 13 May 2021

Christiansburg Library and Facebook Live

LTC Anthony J. Kazor
Commander, U.S. Army

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Agenda



- **Welcome, Introductions, Opening Comments**
- **Diethyl Ether Release**
- **DEQ Open Burn Permit**
- **Regulatory Update**
- **Update on the Commander's Challenge**
- **Wrap Up, Questions, Action Items**





Introductions

U.S. Army

LTC Anthony Kazor

Commander,
Radford Army Ammunition Plant

Robert Davie

Deputy to the Commander,
Radford Army Ammunition Plant Army Staff

Len Diloia Jr.

Risk Management Team Supervisor
Radford Army Ammunition Plant Army Staff

Laura Dickerson

Environmental Protection Specialist
Radford Army Ammunition Plant Army Staff

BAE Systems

Jody Hawks

Environmental Manager, Radford

Claire Powell

Communications Manager, BAE Systems, Inc.





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March 29, 2021 Diethyl Ether Release

- ~800 gallons of diethyl ether was released into secondary containment on March 29, 2021.
- The secondary containment dike failed allowing a portion of the ether to be released into the storm water system.
- The overflow was caused by human error.
- Self-reported to all necessary agencies.
- The incident was thoroughly investigated and corrective/preventative actions to ensure a repeat event does not occur are being implemented.
- No acute or chronic ecological impacts have been observed or are anticipated from this event.





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DEQ Open Burn Permit Renewal

- Current Virginia DEQ permit in effect until a new one is approved.
- **In 2020, RFAAP only treated 5% of what is currently allowed to be treated.**
- DEQ will continue to take written comments through May 24. A decision on permit approval will then be made within 30 days.
- For more information, visit the DEQ website, <https://www.deq.virginia.gov>.

The Army is committed to reducing open burning. When the new EWI project becomes operational, it will **reduce open burning by over 95%.**





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Commander's Environmental Stewardship Challenge

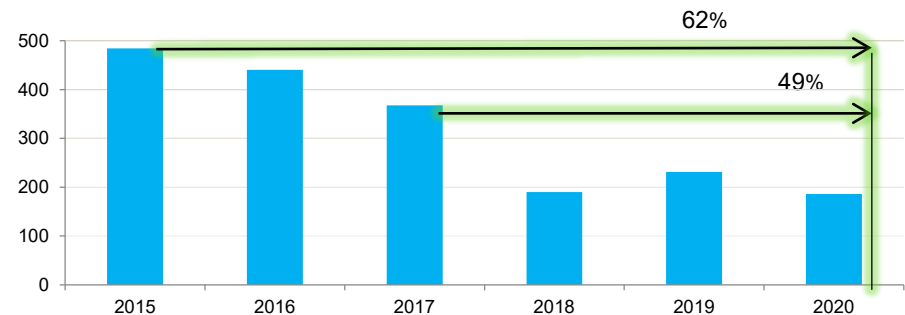
I challenge Team Radford to help us take care of our New River Valley home, to continue preserving the environment, and strengthening and maintaining transparency in the communities where we live and work. We must continue to think, innovate, and perform beyond compliance.

With specific challenge to:

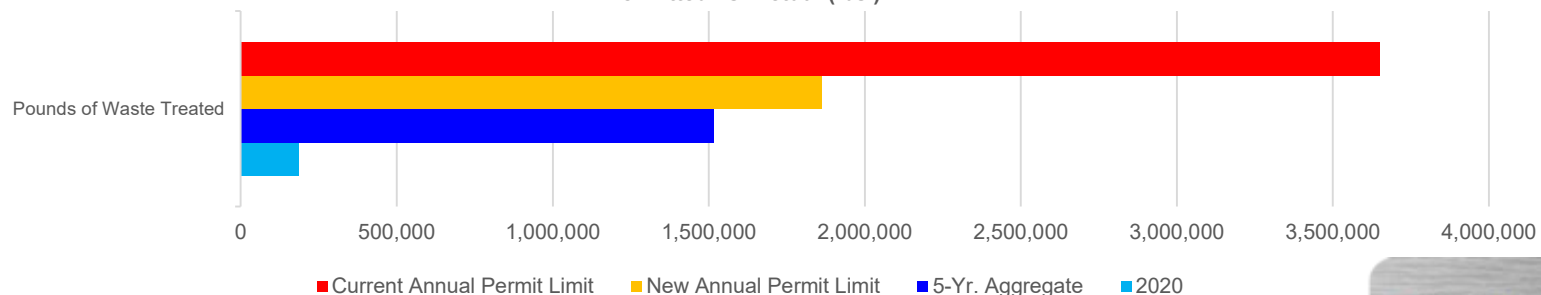
Reducing waste treated at open burn ground (OBG) by 50%

- Ended 2020 with a 49% waste reduction (absolute number)
- 2021 trending to meet 50% reduction goal.

OBG Waste Reduction (lbs.)



Permitted vs. Actual (lbs.)

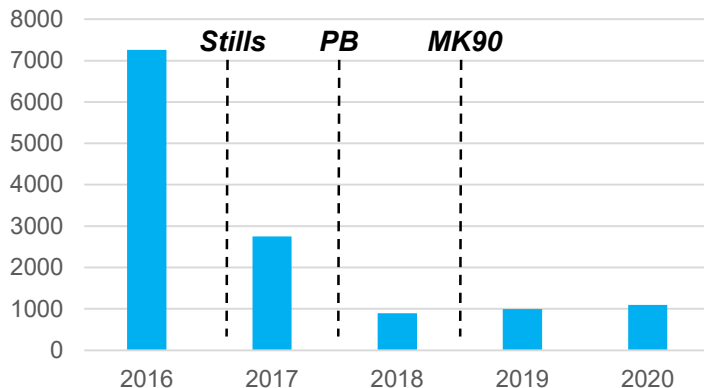




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Commander's Environmental Stewardship Challenge

Facility Wide Emissions (T/Yr)



VOC ↓ 40%
 NO_x ↓ 93%
 SO₂ ↓ 99%
 PM₁₀ ↓ 95%
 Pb ↓ 89%
 CO ↓ 80%
 HAP ↓ 99%



85% Reduction

Air Emission Reduction Efforts

- ☐ Commissioned new natural gas package boiler (PB) complex
- ☐ Commissioned new solvent stills
- ☐ MK90 Effort

Water Usage Reduction Efforts

- ☐ Freeze protection procedures to limit water usage
- ☐ Automated main water valve installation
- ☐ Replaced firewater pumps (50% more efficient)

Energy Reduction Efforts

- ☐ Installation of 20 steam flow meters throughout the plant
- ☐ Objective in 2021 to increase steam repairs by 10%
- ☐ Objective in 2021 to conduct a compressor efficiency evaluation





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Questions





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.radford.peo-eis.list.rfaap-public-affairs@mail.mil

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