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U.S. ARMY



# Radford Army Ammunition Plant

Community Meeting 20 October 2021

Christiansburg Public Library

Facebook Live

**LTC Russell A. Jones**

Commander, U.S. Army

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# Radford Army Ammunition Plant

## *Introductions*

### U.S. Army

#### **LTC Russell A. Jones**

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

#### **Charlie Saks**

Unit PA Representative

Radford Army Ammunition Plant Army Staff

### U.S. Army Corps of Engineers

#### **Andrea Henry**

Project Manager, USACE – Norfolk District

### BAE Systems

#### **Kirk Johnson**

General Manager, Radford Army Ammunition Plant

#### **Jody Hawks**

Environmental Manager, Radford Army Ammunition Plant

#### **Claire Powell**

Communications Director, BAE Systems, Inc.





# Radford Army Ammunition Plant

## *Agenda*

- **Welcome, Introductions, Opening Comments**
- **Overview on Air Quality and Air Sampling**
- **PFAS Discussion**
- **Update on Environmental Improvements**
- **EWI-CWP Update**
- **Wrap Up, Questions, Action Items**







# Radford Army Ammunition Plant

## *Introduction of LTC Russell A. Jones*

- Chemical Officer / Active Army since 2000
- Last position held - The Chief of Chemical/Biological Policy, Defense Threat Reduction Agency, Fort Belvoir, Virginia
- Assumed Command of Radford Army Ammunition Plant (RFAAP) June 3, 2021
- Married w/four children
- Children attend the local elementary, middle, and high schools
- Priorities: People / Readiness / Modernization
  - Safety: Initiatives in-place to improve safety culture / BAE partnership
  - Challenges Remain: aging facility, maintenance, environmental concerns, budget
  - Modernization Continues; Partnered Support and Communication are Crucial
- My goal here at RFAAP is to commit to transparency in operations and community involvement
- Summer 2022 – Public Tour of RFAAP





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## *Introduction of Kirk Johnson, Radford General Manager*

- Joins RFAAP after seven years at the Lubrizol Corporation, a provider of specialty chemicals for transportation, industrial and consumer markets
- Became General Manager effective March 29, 2021





# Radford Army Ammunition Plant

## *Facility Air Monitoring*

- 2017 Virginia DEQ Study
  - Evaluated off-site ambient air samples for lead
  - Lead levels well below ambient air standards
- 2018 Virginia Tech Ambient Air Monitoring Study
  - Evaluated selected metals and volatile organic compounds at locations in and around the facility
  - Results indicated lead levels were well below the National Ambient Air Quality Standard
  - Other metals were at least 200x lower than occupational standards
  - This study included DEQ's air monitoring results located at the Blacksburg-VPI Sanitation Authority Treatment Plant
- Continuous Emissions Monitoring
  - NC Nitration: NO<sub>x</sub>
  - Incineration: CO
  - Package Boiler: NO<sub>x</sub>
  - Solvent Recovery: VOCs

**\*RFAAPs CEMS units record 264,960 readings a day**





# Radford Army Ammunition Plant

## *PFAS Update*

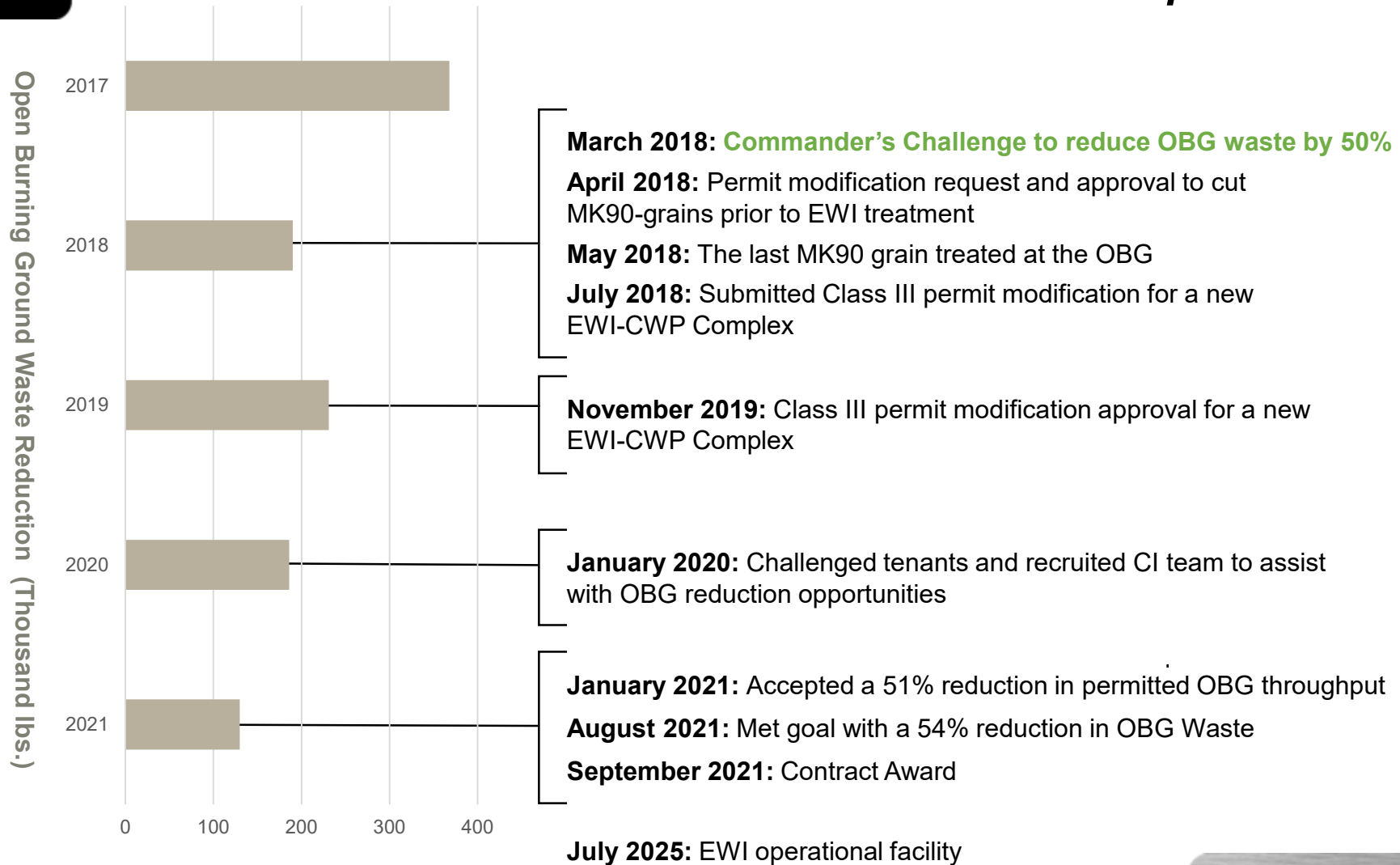
- PFAS Preliminary Assessment (PA) USACE initiated in May 2019
  - PA activities included
    - Records Review
    - Site Visit/Reconnaissance
    - Personnel Interviews
  - Results of PA indicated five Areas of Potential Interest (AOPI)
- Site inspection initiated to evaluate PFAS presence or absence at each AOPI in December 2020
  - SI activities included:
    - Sampling completed at each AOPI
    - Sampled media included soil, groundwater, surfaced water and sediment
    - Results compared to the Office of Secretary of Defense Risk Screening Levels
- Draft Report submitted for comments in August 2021
  - Draft results indicate only one AOPI had analytical results above the Office of Secretary of Defense's risk screening levels
  - Teflon Coating Facility – Ceased operation in the 1990s
    - » Groundwater analyzed at 72 ppt (PFOA only)





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## Radford AAP Continued Focus on Environmental Improvements







# Radford Army Ammunition Plant

## *Energetic Waste Incinerator*

### **Purpose:**

- Complete the design and construction of a new EWI/CWP facility for the incineration of various energetic waste streams produced at RFAAP in an emission controlled thermal treatment facility that is compliant with the plant operating permits and regulatory requirements.
- The construction of the new EWI/CWP facility will nearly eliminate the use of the open burning ground at RFAAP to be compliant with Army policy that requires a new contained technology be in place and operational no later than October 1, 2026.
- The project includes completing the design and obtaining required permits, equipment procurement and installation, construction, and commissioning.

### **Schedule:**

- The U.S. Army Corps of Engineers (USACE), Norfolk District awarded the construction contract to Parsons Government Services, Inc. on September 28, 2021 for \$145M.
- Approximately 2 years are required to complete the design and permitting effort.
- Construction, commissioning, and an operational facility will be completed by July 22, 2025.





# Radford Army Ammunition Plant

## *Questions*





# Radford Army Ammunition Plant

## *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](http://www.jmc.army.mil/Radford/RadfordDefault.aspx)

Email: [usarmy.radford.peo-eis.list.rfaap-public-affairs@mail.mil](mailto:usarmy.radford.peo-eis.list.rfaap-public-affairs@mail.mil)

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