

UNCLASSIFIED



U.S. ARMY



Radford Army Ammunition Plant

Community Meeting 4 February 2020

Facebook Live

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

UNCLASSIFIED

Agenda



- **Welcome, Introductions, Opening Comments**
- **ALTESS Spill**
- **EWI Schedule Update**
- **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

U.S. Army Corps of Engineers

Andrea Henry

Project Manager

ALTESS

Boyd Williams

Product Director

BAE Systems

Cara Bandera

SHE Manager, Radford

Jody Hawks

Environmental Manager, Radford

Claire Powell

Communications Manager, BAE Systems, Inc.





Radford Army Ammunition Plant

December 28, 2020 ALTESS Fuel Oil Spill

- ❑ ~2300 gallon diesel fuel spill due to backup generator overflow switch malfunction
- ❑ A portion of spilled material made its way to Stroubles Creek
- ❑ Response was swift and efficient from:
 - RFAAP Fire Department
 - BAE Systems Safety & Environmental
 - Third-party HAZMAT Team



- ❑ Initial abatement measures complete:
 - Removal of affected soil
 - Booms and spill socks in the waterway
- ❑ Monitoring measures forthcoming:
 - Installation of wells for groundwater sampling
 - Surface water and soil sampling





Radford Army Ammunition Plant

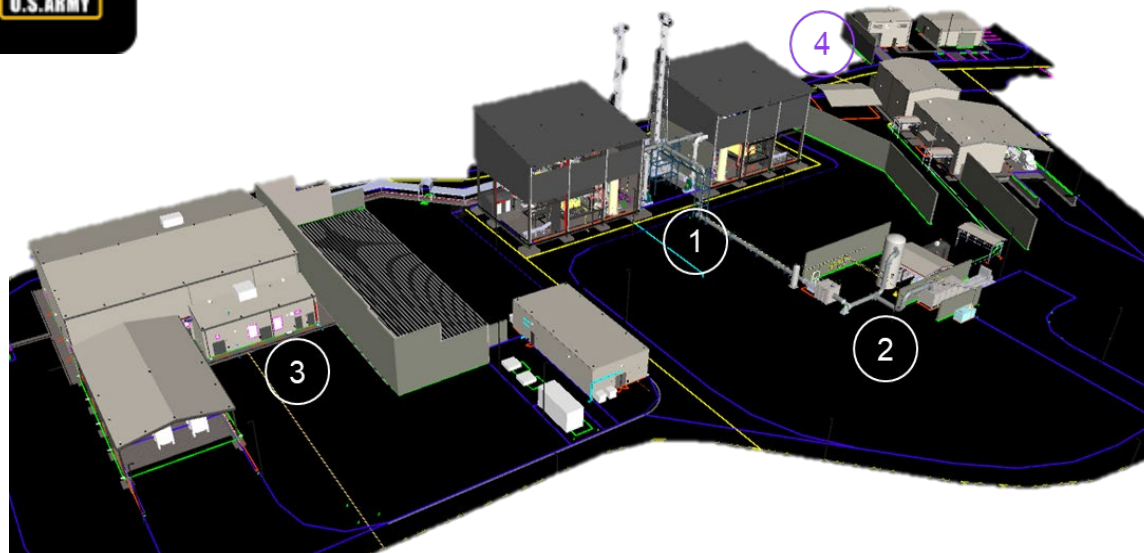


Questions





Energetic Waste Incinerator



1. Rotary kiln incinerators
2. Contained burn and decontamination chamber
3. Grinder building
4. Control room and maintenance building

2021

Design & Permitting

- Air Permit
- RCRA Class 3 Modification

2022

Construction

- Site Preparation
- Buildings
- Process equipment procurement, delivery, and installation

2024

Commissioning & Training

- Functional testing of all equipment
- System testing with surrogate materials
- System testing with waste
- Preliminary emissions test
- Vendor certification
- Regulatory performance test

2024

Normal Operation





Radford Army Ammunition Plant



Questions





Radford Army Ammunition Plant

Regulatory Update

Enforcement

- NOV from Federal Railroad Administration: January 2021
 - Incident occurred October 9, 2020
 - Loose bolts on railcar
 - Acid observed on outside of rail car
- Upon observation, the rail car was secured, cleaned, and bolts were tightened
- Internal investigation was completed and corrective actions put in place to prevent re-occurrence

Regulatory Inspections

- DEQ Air Compliance Inspection: June 2020
 - No violations found during inspection

- VDH Drinking Water Inspection: August 2020
 - No violations
- EPA RCRA Inspection: September 2020
 - No violations expected
- DEQ SWP 433 Inspection: September 2020
 - Two administrative non-compliances
 - Warning Letter Received on October 14, 2020
 - Non-compliances have been corrected
- DEQ Solid Waste Inspection: December 2020
 - No violations expected
- DEQ VPDES Inspection
 - Under Review
- ISO 14001 EMS Audit
 - 0 Major Non-conformances
 - 0 Minor Non-conformances
 - 6 Positives





Radford Army Ammunition Plant

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.

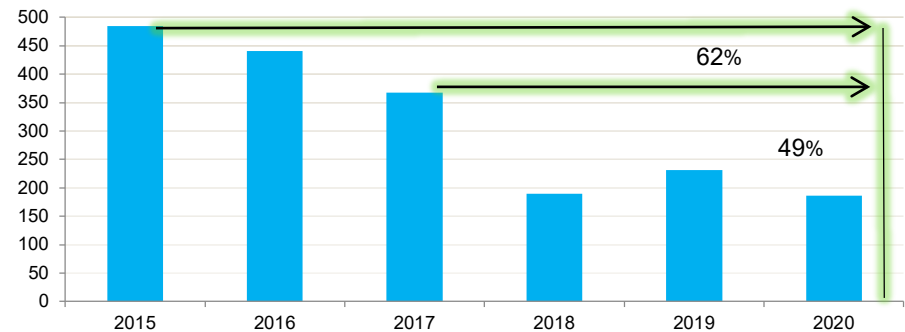
With specific challenge to:



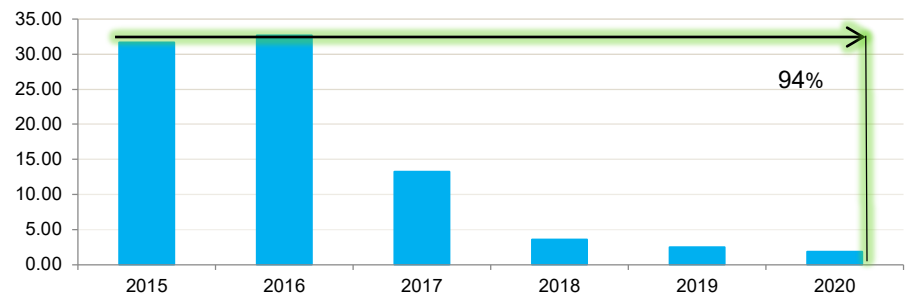
Reducing waste treated at open burn ground (OBG) by 50%

- Ended 2020 with a 49.1% waste reduction (absolute number)
- Ended 2020 with a 55% waste reduction (normalized with production data)
- Ended 2020 with a 94% reduction in lead from 2015
- Reductions are a result of MK90 effort and Continuous Improvements A3 Projects

OBG Waste Reduction



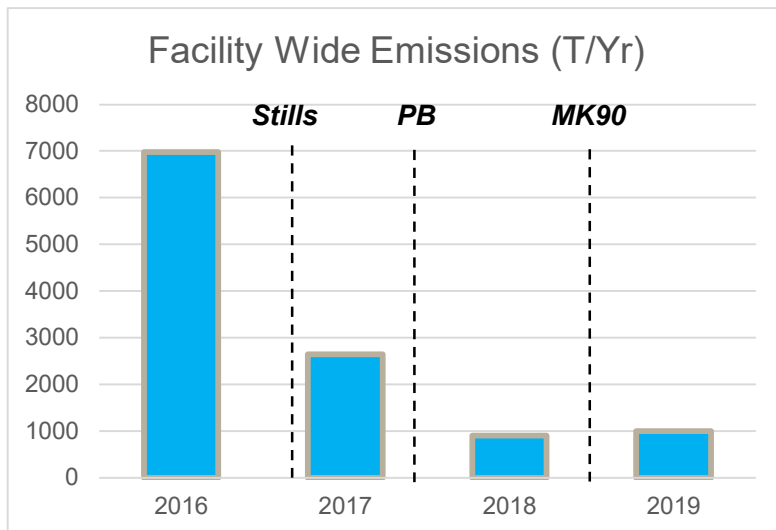
OBG Lead Reduction





Radford Army Ammunition Plant

Commander's Environmental Stewardship Challenge



VOC ↓ 46%
 NO_x ↓ 94%
 SO₂ ↓ 99%
 PM₁₀ ↓ 95%
 Pb ↓ 89%
 CO ↓ 80%
 HAP ↓ 99%



86% Reduction

Air Emission Reduction Efforts

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

Water Usage Reduction Efforts

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

Energy Reduction Efforts

- ☐ Installation of 20 steam flow meters through out the plant





Radford Army Ammunition Plant



Questions





Radford Army Ammunition Plant

Next Community Engagement

- **Next Commander's Community Meeting:
May 13 at 5:30 p.m.**





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

Charlie Saks

Public Affairs Officer

Radford AAP

540.731.5785

charles.e.saks3.civ@mail.mil

Justine Barati

Director of Public & Congressional Affairs

Joint Munitions Command

309.782.7649

justine.a.barati.civ@mail.mil

www.jmc.army.mil

Claire Powell

Communications Manager

BAE Systems, Inc.

540.639.7709

Claire.H.Powell@baesystems.com

www.baesystems.com

