



U.S. ARMY



# Team Radford Semi-Annual Community Meeting

28 May 2015

7:00-8:00 pm

NRV Business Center

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# AGENDA



- Introductions
- Purpose of Meeting
- What Environmental Stewardship Means to Us
- Transparency
- Permit Applications
- Your Questions

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# INTRODUCTIONS



## US Army

### **LTC Luis A. Ortiz**

Commander, Radford Army  
Ammunition Plant (RFAAP)

### **Rob Davie**

Chief, Operations Team, US Army,  
RFAAP

### **Charlie Saks**

Public Affairs Officer, US Army  
RFAAP

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## BAE Systems

### **Jay Stewart**

Environmental Manager, Radford

### **Alicia Gray**

Acting Community Relations, Radford

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# PURPOSE OF MEETING



- Community Engagement
  - This forum was requested by you
  - Held twice yearly above and beyond any forums required by regulation or permit process
  - Continue to improve based on your feedback
- Transparency
  - Our information is public
  - We want to have a two-way dialog with our community
- Your Voice
  - This gives us the opportunity to hear what is important to you
  - We want to share what, why and how we execute our mission of environmental stewardship beyond regulatory reports

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# Environmental Stewardship



- Built in 1941 to protect our nation, still proudly providing propellants today
- Key to success: Personal Responsibility
- We are committed to continuous improvement
  - Protect this capability for our future troops and allies
  - Community engagement and transparency
  - Our goal is to achieve environmentally sustainable operations plantwide



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# Transparency



- **We Perform Extensive Environmental Testing**

- We use sophisticated monitoring equipment that continuously monitors our water and air discharges. We sample beyond our permit requirements.
- We execute daily inspections for storm water, wastewater, and hazardous waste storage areas

- **Our Information Is Public**

- Regulated and inspected by Virginia Department of Environmental Quality (VA DEQ), Environmental Protection Agency (EPA) and Virginia Dept. of Health (VDH)
- Our monitoring data is reported and is publicly available.

- **We go beyond our legal requirements**

- International Standards Organization 14001:2004 certified
  - Last Audit February 2015 – Recertified, Next Audit August 2015
- Safety and environmental factors are the top factors in making operational decisions. We do this based on our monitoring and training to prevent problems before they occur.

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# NOV



## **Notice of Violation: Opacity from Powerhouse**

During the period from 1 October 2014 to 31 December 2014, continuous emission monitors at the Powerhouse recorded emissions greater than 20% opacity for more than one six minute period in an hour including opacity greater than 60% during multiple six minute periods. On 26 December 2014 the opacity monitor recorded a maximum six minute period opacity of 92.6%.

The exceedances have been caused by an aging boiler and high steam load demands. The Quarterly Emission Report for 1 January 2015 to 31 March 2015 also indicated several instances of opacity exceedances.

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# Solution to NOV



## Construct a New Natural Gas Energy Center

- Beginning in about 2008, we expended over \$40M on improvements to the existing powerhouse. Those improvements have yielded excellent results and improved monitoring.
- Despite the improvements, our existing power house must be replaced to provide reliable energy and reduce emissions for the long term.
- VADEQ has issued the required air permit for construction and we have completed the public National Environmental Policy Act process. We are finalizing the design and expect to award a construction contract in 2015.
- In the interim period before the new energy center is constructed, we have committed additional funds and effort toward implementing measures to improve the existing coal plant.

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# Warning Letters



**Warning Letter:** 3 April 2015 – Exceeded lead limit in a burn at the Open Burning Ground. The operator selected an incorrect burn scenario for the explosive waste material.

**Resolution:** The burn calculator software has been modified to have the operator select the type of burn before any calculations can be made.





# Permit Application – CORA



- Corrective Action (CORA) permit application to be submitted by July 13, 2015
- CORA permits cover the work conducted under the Installation Restoration Program
- Check the Restoration Advisory Board website for more details

[www.radfordaapirp.org](http://www.radfordaapirp.org)

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# Permit Application – Water Permit



- Virginia Wastewater Discharge Permit – Renewal application submitted to the DEQ 19 November 2014
- Complete permit application determined on 18 December 2014
- Currently available for Public Comment from 5 May 2015 to 5 June 2015 through the DEQ Blue Ridge Regional Office

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# Permit Application— Explosive Waste Incinerator (EWI)



- Renewal permit application submitted in April 2012
- Received Notice of Deficiency (NOD), a standard part of the permitting process, from DEQ in October 2014
- Actively engaged with DEQ on this permit application

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# Permit Application – Open Burning Ground (OBG)



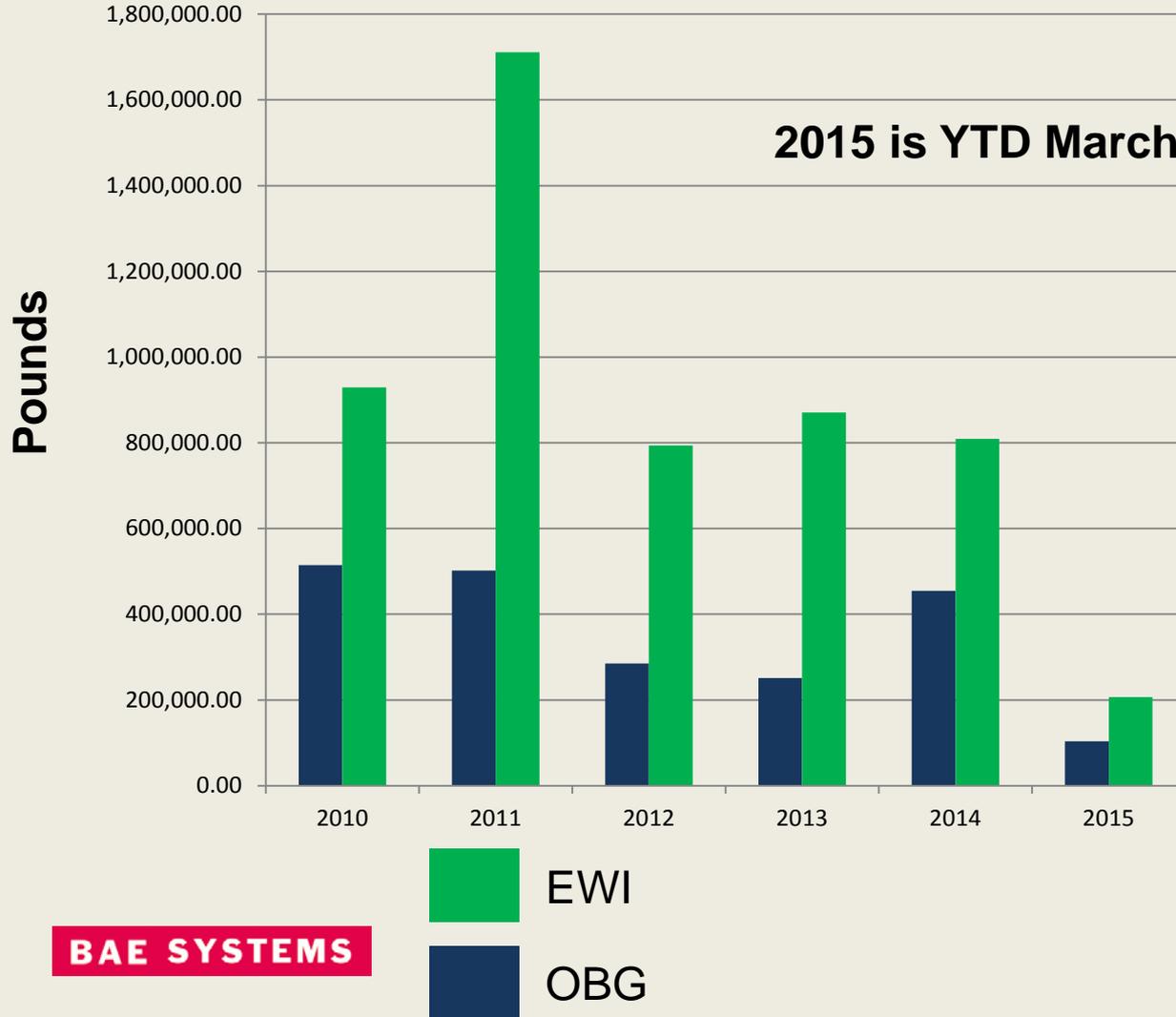
- Open Burning Grounds (OBG) –Renewal permit application to be submitted on 29 June 2015
- This is permit renewal is part of the regulatory process and we are required to submit a renewal application every 10 years
- This is an opportunity to update our permit to reflect changes to the facility, operations and regulations

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# EWI & OBG USAGE



- Our primary goal is to reduce waste across the plant
- Given our onsite options, our primary explosive waste treatment option is the EWI
- When the explosive waste is incompatible with the EWI, we use the OBG unit





# Aerostat Testing of OBG



- In 2014, a paper was published on a unique method of sampling open burns
- We contacted the EPA office of R&D to visit the site and confirm applicability to RFAAP
- They visited in OCT 2014 and confirmed the method
- We have secured funding and will conduct the testing by the end of the year, date TBD

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# QUESTIONS



Thank you! Our commitment to taking your questions doesn't end tonight. Let us know what you think:

## Resources

[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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