

ORDNANCE SYSTEMS INC.

Radford Army Ammunition Plant  
4050 Peppers Ferry Road, P.O. Box 1  
Radford, VA 24143  
Telephone (540) 639-7631

**BAE SYSTEMS**

December 20, 2016

Mr. James L. Cutler, Jr.  
Virginia Department of Environmental Quality  
629 East Main Street  
Richmond, VA 23219

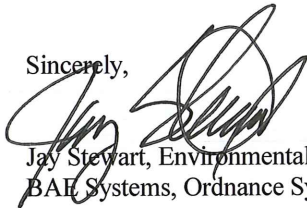
**Subject:** With Certification, Draft Final SMWU 54 Monitored Natural Attenuation Sampling Year Four Report, December 2016 EPA ID# VA1210020730

Dear Mr. Cutler:

Enclosed is the certification for the subject document that was sent to you on December 14, 2016. Also enclosed is the December 14, 2016 transmittal email.

Please coordinate with and provide any questions or comments to myself at 540 639 7785 or Mr. Jim McKenna, Radford AAP Army Staff at 540 731 5782.

Sincerely,



Jay Stewart, Environmental Manager  
BAE Systems, Ordnance Systems Inc

c: Elizabeth Lohman  
Virginia Department of Environmental Quality  
Blue Ridge Regional Office  
3019 Peters Creek Road  
Roanoke, VA 24019

Kurt Kochan  
Virginia Department of Environmental Quality  
Groundwater/Correction Action Program Manager  
Office of Remediation Programs  
PO Box 1105  
Richmond, VA 23218

Derrick Lopez  
U.S. Army Environmental Command  
Cleanup and Munitions Response Division  
2450 Connell Road, Bldg 2264, 1<sup>st</sup> Floor, Room 126  
Fort Sam Houston, TX 78234-7664

Luis Pizarro  
Associate Director, Office of Remediation  
US Environmental Protection Agency, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029 Mail Code: (3LC20)

Kim Gross  
Corps of Engineers, Baltimore District  
ATTN: CENAB-EN-HM  
10 South Howard Street  
Baltimore, MD 21201

bc: Administrative File  
J. McKenna, ACO Staff  
Rob Davie-ACO Staff  
Environmental File – 16-0900-184

Coordination:

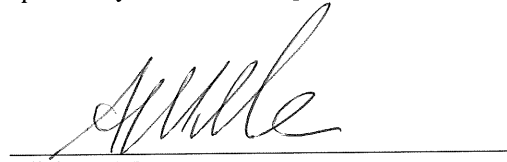
  
J. McKenna

Concerning the following:

Radford Army Ammunition Plant  
Draft Final SWMU 54  
Monitored Natural Attenuation Sampling  
Year Four Report December 2016  
Site Investigation at Radford Army Ammunition Plant

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

SIGNATURE:



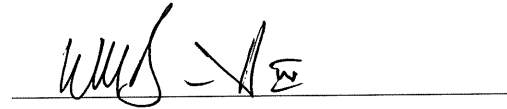
PRINTED NAME:

Alicia M. Masson

TITLE:

Lieutenant Colonel, US Army  
Commanding

SIGNATURE:



PRINTED NAME:

William M. Barnett

TITLE:

General Manager  
BAE Systems

## Hawks, Jody (US)

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**From:** Mckenna, James J CIV (US) <james.j.mckenna16.civ@mail.mil>  
**Sent:** Wednesday, December 14, 2016 3:13 PM  
**To:** Cutler,Jim; Kochan, Kurt (DEQ); beth lohman (ealohman@deq.virginia.gov)  
**Cc:** Gross, Kimberly U CIV USARMY CENAB (US); Bonnie Morris; Hawks, Jody (US); Patton, Mark (US); Stewart, Jay (US); Sengphet J. Liu; Bogucki, MaryAnn (US); Lopez, Derrick R CIV USARMY IMCOM AEC (US); Davie, Robert N.; Masson, Alicia (RFAAP); Pizarro.Luis@epamail.epa.gov  
**Subject:** Radford AAP - SWMU 54 - Draft Final Report - Year 4 MNA  
**Importance:** High

Jim Cutler, Kurt Kochan, Beth,

Note the BSe sharefile site link below for the subject report that is submitted in accordance with the Correction Action Permit. Also note the contractor will ship hard copies of the subject document with a copy of this email to the POCs and tracking numbers below. Certification will follow by separate letter.

James L. Cutler, Jr. (1 Hard Copy + 1 CD)  
Virginia Department of Environmental Quality  
629 East Main Street  
Richmond, VA 23219  
Fed Ex Tracking #: 777950746239

Luis Pizarro (1 Hard Copy + 1 CD)  
Associate Director, Office of Remediation US Environmental Protection Agency, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029 Mail Code: (3LC20)  
Fed Ex Tracking #: 777950862190

Jim McKenna, Army Staff, Bldg 220 (2 Hard Copies + 1 CD)  
Radford Army Ammunition Plant  
4050 Peppers Ferry RD  
State Rd 114  
Radford, VA 24141  
Fed Ex Tracking #: 777950602075

The document has also been uploaded to the sharefile site, and can be downloaded using the following link:

Caution-<https://bseak.sharefile.com/d-s8aa40c1f4e845beb> < Caution-<https://bseak.sharefile.com/d-s8aa40c1f4e845beb> >

Thank you for your support of the Radford AAP Installation Restoration Program.

Jim McKenna

Confidentiality Note: This e-mail is Official Correspondence and is For Official Use Only, it is intended only for the person or entity to which it is addressed, and may contain information that is privileged, confidential, sensitive, or otherwise protected from disclosure. If you receive this email in error please notify the sender immediately.



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 629 East Main Street, Richmond, Virginia 23219

Mailing address: P.O. Box 1105, Richmond, Virginia 23218

[www.deq.virginia.gov](http://www.deq.virginia.gov)

Molly Joseph Ward  
Secretary of Natural Resources

David K. Paylor  
Director

(804) 698-4020  
1-800-592-5482

April 13, 2017

Mr. Jim McKenna  
Radford Army Ammunition Plant  
Route 114, P.O. Box 1  
Radford, Virginia 24143-0100

### VIA ELECTRONIC MAIL

**Re: Draft Final SWMU 54 Monitored Natural Attenuation Sampling Year 4 Report  
Radford Army Ammunitions Plant  
Route 114, Radford, Virginia 24141  
EPA ID#: VA1210020730**

Dear Mr. McKenna:

This letter acknowledges the receipt and review of the Draft Final SWMU 54 Monitored Natural Attenuation Sampling Year 4 Report, submitted to the Virginia Department of Environmental Quality, Office of Remediation Programs (Department) by BAE Systems on behalf of the Radford Army Ammunitions Plant (RFAAP).

The Department concurs with the recommendations presented in the report. Further, it is recommended that if constituent concentrations continue to increase, RFAAP should consider score the site at present with the EPA monitored natural attenuation (MNA) Screening Criteria to gauge the extent that MNA is occurring.

EPA ID#: VA1210020730  
Radford Army Ammunitions Plant  
Radford, Virginia  
April 13, 2017

If you have any additional technical questions, you may contact me at 703-583-3825 or by email at [Kurt.Kochan@deq.virginia.gov](mailto:Kurt.Kochan@deq.virginia.gov).

Sincerely,



Kurt W. Kochan  
Corrective Action Project Manager  
Office of Remediation Programs

cc: RFAAP Correspondence File  
Brett Fisher, VDEQ-CO  
Jim Cutler, VDEQ-CO  
Ashby Scott, VDEQ-CO  
Beth Lohman, VDEQ-BRRO  
Cassie McGoldrick, EPA Region 3  
William Hendon, BAE  
Jody Hawks, BAE