

<p style="text-align: center;">RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE</p>
--

The following activities were completed in support of the Installation Restoration Program.

- 02/21/2018 RFAAP submits the Draft Final Former Gun and Mortar Range Munitions Response Site (RFAAP-002-R-01 Site Investigation at Radford Army Ammunition Plant, Virginia, February 2018.
- 02/20/2018 RFAAP submits the Annual Groundwater Monitoring Report for HWMUs 5 and 16, Calendar Year 2017, February 2018
- 02/15/2018 RFAAP submits the SWMU 49 Monitored Natural Attenuation Sampling Year Two Report, February 2018 and the SWMU 54 Monitored Natural Attenuation Sampling Year Five Report, February 2018.
- 02/08/2018 RFAAP submits the Regulatory Draft, First Five Year Review for RFAAP, New River Unit (RAAP-044), February 2018.
- 07/18/2017 DEQ accepts the Final SMWU 49 Monitored Natural Attenuation Sampling Year One Report, May 2017 as complete.
- 06/28/2017 Held RAB member site tour, meeting schedule was thoroughly discussed and the RAB unanimously agreed to change the meeting schedule to an as needed basis.
- 05/25/2017 RFAAP submits the Final SMWU 49 Monitored Natural Attenuation Sampling Year One Report, May 2017
- 05/19/2017 DEQ concurred with 05/18/2017 RFAAP responses to the 04/21/2017 DEQ comments on the Draft Final SMWU 49 Monitored Natural Attenuation Sampling Year One Report, January 2017
- 05/18/2017 RFAAP responds to the 04/21/2017 DEQ comments on the Draft Final SMWU 49 Monitored Natural Attenuation Sampling Year One Report, January 2017
- 04/25/2107 DEQ acknowledges findings of the 2016 Annual Groundwater Report for HWMUs 5 and 16, Calendar Year 2016
- 04/21/2017 DEQ comments on the Draft Final SMWU 49 Monitored Natural Attenuation Sampling Year One Report, January 2017
- 04/13/2017 DEQ concurs with Draft Final SWMU 54 Monitored Natural Attenuation Sampling Year Four Report, December 2016
- 03/29/2017 RAB meeting, poster session held
- 02/22/2017 RFAAP submits the 2016 Annual Groundwater Report for HWMUs 5 and 16, Calendar Year 2016
- 01/24/2017 RFAAP submits Draft Final SMWU 49 Monitored Natural Attenuation Sampling Year One Report, January 2017
- 12/14/2016 RFAAP submits Draft Final SWMU 54 Monitored Natural Attenuation Sampling Year Four Report, December 2016

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 08/02/2016 RFAAP submits Final Work Plan, Former Gun and Mortar Range, Munitions Response Site (RFAAP-002-R-01), Site Investigation at Radford Army Ammunition Plant, Virginia, July 2016
- 07/22/2016 Conference call # 2 held to discuss the 05/02/2016 RFAAP responses to the 03/03/2016 DEQ draft comments on the Draft Work Plan, Former Gun and Mortar Range, Munitions Response Site (RFAAP-002-R-01), Site Investigation at Radford Army Ammunition Plant, Virginia, December 2015
- 06/22/2016 RFAAP RAB member site tour held.
- 06/13/2016 Conference call held to discuss the 05/02/2016 RFAAP responses to the 03/03/2016 DEQ draft comments on the Draft Work Plan, Former Gun and Mortar Range, Munitions Response Site (RFAAP-002-R-01), Site Investigation at Radford Army Ammunition Plant, Virginia, December 2015
- 05/02/2016 RFAAP send responses to the 03/03/2016 DEQ draft comments on the Draft Work Plan, Former Gun and Mortar Range, Munitions Response Site (RFAAP-002-R-01), Site Investigation at Radford Army Ammunition Plant, Virginia, December 2015
- 03/23/2016 RAB meeting, poster session held
- 03/03/2016 DEQ sends draft comments on the Draft Work Plan, Former Gun and Mortar Range, Munitions Response Site (RFAAP-002-R-01), Site Investigation at Radford Army Ammunition Plant, Virginia, December 2015
- 02/26/2016 RFAAP submits the 2015 Combined Semiannual and Annual GW Monitoring Report HWMU 5 and 16
- 02/10/2016 DEQ holds a public hearing on the draft CORA permit.
- 01/27/2016 DEQ holds a public meeting on the draft CORA permit.
- 12/17/2015 RFAAP submits the Draft Work Plan, Former Gun and Mortar Range, Munitions Response Site (RFAAP-002-R-01), Site Investigation at Radford Army Ammunition Plant, Virginia, December 2015
- 09/23/2015 RAB meeting, poster session held
- 08/28/2015 RFAAP responds to the 08/03/2015 EPA/DEQ comment on the SWMU 49 Monitored Natural Attenuation Sampling Baseline Report, Draft June 2015 with a revised Section 6.
- 08/03/2015 EPA/DEQ comment on the SWMU 49 Monitored Natural Attenuation Sampling Baseline Report, Draft June 2015
- 07/07/2015 EPA/DEQ approve the SWMU 40 (RAAP-009) Landfill Nitro Area, Remedy Review, Draft Final, May 2015
- 07/02/2015 RFAAP submits the SWMU 49 Monitored Natural Attenuation Sampling Baseline Report, Draft June 2015
- 06/26/2015 RFAAP submits the draft CORA Permit application per the 01/13/2015 DEQ call letter.

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 06/24/2015 RAB plant tour of Radford AAP IRP sites.
- 06/16/2015 EPA/DEQ approve the SWMU 54 Monitored Natural Attenuation Sampling Year Three Report, Draft Document, October 2014
- 06/11/2015 RFAAP submits a Correction of Typographical Error for the SWMU 49 Monitored Natural Attenuation Groundwater Monitoring Work Plan, Draft Final Document, October 2014
- 05/15/2015 RFAAP submits the SWMU 40 (RAAP-009) Landfill Nitro Area, Remedy Review, Draft Final, May 2015
- 05/05/2015 EPA/DEQ approve the SWMU 40 (RAAP-009) Landfill Nitro Area Annual Long Term Monitoring Report: LTM Year 4, Draft Final, March 2015
- 03/25/2015 RAB meeting, poster session held
- 03/12/2015 RFAAP submits the SWMU 40 (RAAP-009) Landfill Nitro Area Annual Long Term Monitoring Report: LTM Year 4, Draft Final, March 2015
- 01/13/2015 DEQ sends RFAAP the call letter to renew the Corrective Action Permit.
- 12/01/2014 EPA and DEQ approve SWMU 49 Monitored Natural Attenuation Groundwater Monitoring Work Plan, Draft Final Document, October 2014
- 11/04/2014 RFAAP submits SWMU 54 Monitored Natural Attenuation Sampling Year Three Report, Draft Document, October 2014
- 10/20/2014 RFAAP submits SWMU 49 Monitored Natural Attenuation Groundwater Monitoring Work Plan, Draft Final Document, October 2014
- 09/09/2014 EPA and DEQ approve SWMU 40 (RAAP-009) Landfill Nitro Area Annual Long Term Monitoring Report: LTM Year 3, Draft Final, July 2014
- 07/18/2014 RFAAP submits SWMU 40 (RAAP-009) Landfill Nitro Area Annual Long Term Monitoring Report: LTM Year 3, Draft Final, July 2014
- 06/26/2014 RAB plant tour of Radford AAP IRP sites.
- 05/30/2014 EPA/DEQ approve SWMUs 48 and 49 RCRA Facility Investigation Report, Draft Document, January 2014
- 03/26/2014 RAB meeting, poster session held
- 01/14/2014 RFAAP submits SWMUs 48 and 49 RCRA Facility Investigation Report, Draft Document, January 2014
- 01/14/2014 EPA/DEQ approve the Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Completion Report, Final Document, December 2013
- 01/07/2014 EPA/DEQ approve the SWMU 40 Annual LTM (Year 2) Report, October 2013
- 12/23/2013 EPA/DEQ approve the final SWMU 54 Monitored Natural Attenuation, Year Two Report, Draft Document, December 2013

<p style="text-align: center;">RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE</p>
--

- 12/19/2013 RFAAP submits the final SWMU 54 Monitored Natural Attenuation, Year Two Report, Draft Document, December 2013
- 12/06/2013 RFAAP responds to the EPA/DEQ comment on the draft SWMU 54 Monitored Natural Attenuation, Year Two Report, Draft Document, October 2013
- 12/05/2013 RFAAP submits the Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Completion Report, Final Document, December 2013
- 12/02/2013 EPA/DEQ comment on the draft SWMU 54 Monitored Natural Attenuation, Year Two Report, Draft Document, October 2013
- 11/18/2013 RFAAP submits the SWMU 40 Annual LTM (Year 2) Report, October 2013
- 11/06/2013 RFAAP submits the draft SWMU 54 Monitored Natural Attenuation, Year Two Report, Draft Document, October 2013
- 10/15/2013 RFAAP submits the 2013 Installation Action Plan to EPA and DEQ
- 09/25/2013 RAB meeting, poster session held
- 08/20/2013 EPA/DEQ approve the SWMU 54 Monitored Natural Attenuation, Year One Report, Draft Document, February 2013
- 08/15/2013 RFAAP submits the RTCs on Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Completion Report, Draft Document, April 2013
- 08/14/2013 RFAAP submits RTCs on SWMU 54 Monitored Natural Attenuation, Year One Report, Draft Document, February 2013
- 08/14/2013 Conference call held to discuss RFAAP response to EPA/DEQ comments on the SWMU 54 Monitored Natural Attenuation, Year One Report, Draft Document, February 2013 and Army Reserve Small Arms Range RFI/IM Completion Report Draft Document, April 2013
- 08/12/2013 RFAAP submits the final Land Use Control Implementation Plan for Radford Army Ammunition Plant – New River Unit (RAAP-044), August 2013
- 08/01/2013 RFAAP responds to EPA/DEQ comments on the SWMU 54 Monitored Natural Attenuation, Year One Report, Draft Document, February 2013
- 07/25/2013 DEQ concurs with RFAAP RTCs on the draft Land Use Control Implementation Plan for Radford Army Ammunition Plant – New River Unit (RAAP-044)
- 07/24/2013 DEQ concurs with the Final Decision Document for Radford Army Ammunition Plant - New River Unit (RFAAP-044), November 2011
- 07/10/2013 EPA/DEQ comment on the SWMU 54 Monitored Natural Attenuation, Year One Report, Draft Document, February 2013

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 06/26/2013 DEQ approve clean closure of soil and groundwater at HWMU 7.
- 06/26/2013 RAB member site tour held
- 05/30/2013 EPA/DEQ approve the draft final SWMU 40 Annual LTM (Year 1) Report, April 2013
- 05/15/2013 RFAAP submits RTCs on the draft Land Use Control Implementation Plan for Radford Army Ammunition Plant – New River Unit (RAAP-044)
- 05/15/2013 RFAAP submits Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Completion Report, Draft Document, April 2013
- 04/25/2013 RFAAP submits draft final SWMU 40 Annual LTM (Year 1) Report, April 2013
- 04/11/2013 USAEC signs, approves the Final Decision Document for Radford Army Ammunition Plant - New River Unit (RFAAP-044), November 2011
- 03/27/2013 RAB meeting, poster session held
- 02/14/2013 RFAAP submits SWMU 54 Monitored Natural Attenuation, Year One Report, Draft Document, February 2013
- 01/30/2013 EPA and DEQ approve the RTCs for the SWMUs 48 and 49 RCRA Facility Investigation/Corrective Measures Study Report, Draft Document, June 2012 and the Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Completion Report, Draft Document, February 2012
- 01/25/2013 EPA, DEQ, CENAB, USAEC site visit to RFAAP.
- 01/15/2013 EPA/DEQ provide partial comments on the 11/30/2012 RFAAP RTCs on the SWMUs 48 and 49 RCRA Facility Investigation/Corrective Measures Study Report, Draft Document, June 2012
- 01/15/2013 EPA/DEQ comment on the 12/13/2012 RFAAP RTCs to the 11/21/2012 EPA/DEQ comments on the 09/26/2012 RFAAP RTCs on the Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Completion Report, Draft Document, February 2012
- 12/13/2012 RFAAP responds to the 11/21/2012 EPA/DEQ comments on the 09/26/2012 RFAAP RTCs on the Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Completion Report, Draft Document, February 2012
- 12/14/2013 RFAAP responds to DEQ comments on the draft Land Use Control Implementation Plan for Radford Army Ammunition Plant – New River Unit (RAAP-044)
- 12/11/2012 DEQ comments on the draft Land Use Control Implementation Plan for Radford Army Ammunition Plant – New River Unit (RAAP-044)

<p style="text-align: center;">RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE</p>
--

- 11/30/2012 RFAAP responds to the 11/05/2012 EPA/DEQ comments on the SWMUs 48 and 49 RCRA Facility Investigation/Corrective Measures Study Report, Draft Document, June 2012
- 11/29/2012 RFAAP submits draft Land Use Control Implementation Plan for Radford Army Ammunition Plant – New River Unit (RAAP-044)
- 11/21/2012 EPA/DEQ comment on the 09/26/2012 RFAAP RTCs on the Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Completion Report, Draft Document, February 2012
- 11/05/2012 EPA/DEQ comment on the SWMUs 48 and 49 RCRA Facility Investigation/Corrective Measures Study Report, Draft Document, June 2012
- 09/26/2012 RAB meeting poster session held
- 09/26/2012 RFAAP resubmits responses to EPA/DEQ comments on Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Completion Report, Draft Document, February 2012, as there were apparently not sent on 08/07/2012 as intended
- 08/07/2012 RFAAP submits responses to EPA/DEQ comments on Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Completion Report, Draft Document, February 2012
- 07/10/2012 EPA/DEQ approve Solid Waste Management Unit 40 (RAAP-009) Landfill Nitro Area, Interim Measures Completion Report, Final, May 2012 and response to EPA and DEQ comments
- 07/02/2012 RFAAP submits SWMU 48 Interim Measures Completion Report, Draft Document, June 2012
- 07/02/2012 RFAAP submit SWMUs 48 and 49 RCRA Facility Investigation/Corrective Measures Study Report, Draft Document, June 2012
- 06/27/2012 RAB member site tour held
- 05/24/2012 RFAAP submits the final Solid Waste Management Unit 40 (RAAP-009) Landfill Nitro Area, Interim Measures Completion Report, Final, May 2012 and response to EPA and DEQ comments
- 04/16/2012 EPA/DEQ comment on the Solid Waste Management Unit 40 (RAAP-009) Landfill Nitro Area, Interim Measures Completion Report, Draft, March 2012
- 04/03/2012 EPA responds to comments on the RCRA Corrective Action Permit Statement of Basis
- 03/29/2012 RFAAP submits Solid Waste Management Unit 40 (RAAP-009) Landfill Nitro Area, Interim Measures Completion Report, Draft, March 2012
- 03/28/2012 RAB meeting poster session held

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 02/28/2012 RFAAP/BAE notified DEQ and EPA that the operator changed for the Post Closure Care permit for HWMU 5, 7, 10, 16 and the RCRA Corrective Action Permit
- 02/23/2012 RFAAP submits Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Completion Report, Draft Document, February 2012
- 12/08/2011 RAB meeting/poster session and RAB member training held
- 09/27/2011 DEQ approves Class 3 Modification for the Post Closure Care Permit for HWMUs, 5, 7, 10, 16 and responds to public comments
- 09/22/2011 DEQ approves (via letter) Monitoring Well Abandonment Plan, New River Unit (RAAP-044), Draft, April 2011
- 09/21/2011 RFAAP submits Response Action Complete and Closure Report for the Bag Loading Area, Igniter Assembly Area, and Western Burning Ground, New River Unit, Draft, September 2011
- 09/20/2011 RFAAP provided draft responses to public comments on the RCRA Corrective Action Permit Statement of Basis
- 09/15/2011 RAB meeting/poster session held
- 08/31/2011 Public comment period closed on the RCRA Corrective Action Permit Statement of Basis
- 08/26/2011 EPA/DEQ approve SWMU 40 (RAAP-009) Landfill Nitro Area Interim Measures Work Plan, Final, August 2011
- 08/26/2011 EPA/DEQ approve Draft SWMU 57 (RAAP-022) Interim Measures Completion Report, June 2011
- 08/22/2011 RFAAP submits SWMU 40 (RAAP-009) Landfill Nitro Area Interim Measures Work Plan, Final, August 2011
- 07/20/2011 EPA/DEQ approve Draft SWMU 48 Interim Measures Work Plan, June 2011
- 07/11/2011 EPA/DEQ approve SMWU 54 (RAAP-014) Interim Measures Completion Report, Draft Document, April 2011
- 07/06/2011 EPA extends public notice period to August 31, 2011 for the RCRA Corrective Action Permit Statement of Basis
- 06/28/2011 DEQ held a public meeting and public hearing on the Class 3 Modification for the Post Closure Care Permit for HWMUs, 5, 7, 10, 16
- 06/27/2011 EPA held a public meeting and public hearing on the RCRA Corrective Action Permit Statement of Basis
- 06/17/2011 RFAAP submits Draft SWMU 48 Interim Measures Work Plan, June 2011
- 06/16/2011 RFAAP holds RAB member site tour of the New River Unit

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 06/15/2011 RFAAP submits Draft SWMU 57 (RAAP-022) Interim Measures Completion Report, June 2011
- 05/29/2011 DEQ starts public comment period on the Class 3 Modification for the Post Closure Care Permit for HWMUs, 5, 7, 10, 16
- 05/25/2011 EPA starts public comment period on the RCRA Corrective Action Permit Statement of Basis
- 05/09/2011 RFAAP submits revised Appendix A for Final Remedial Action Work Plan for the Western Burning Ground, New River Unit (RAAP-0044), April 2011
- 05/05/2011 DEQ approves (via email) Monitoring Well Abandonment Plan, New River Unit (RAAP-044), Draft, April 2011
- 05/02/2011 EPA holds a Public Availability Session meeting on the RCRA Corrective Action Permit Statement of Basis in Christiansburg, VA
- 04/27/2011 DEQ approves Final Remedial Action Work Plan for the Western Burning Ground, New River Unit (RAAP-0044), April 2011
- 04/21/2011 RFAAP submits Final Remedial Action Work Plan for the Western Burning Ground, New River Unit (RAAP-0044), April 2011
- 04/21/2011 RFAAP provides responses to EPA/DEQ comments on the on the SWMU 40 (RAAP-009) Landfill Nitro Area Interim Measures Work Plan, Draft Final, November 2010
- 04/18/2011 RFAAP submits Monitoring Well Abandonment Plan, New River Unit (RAAP-044), Draft, April 2011
- 04/14/2011 RFAAP submits SMWU 54 (RAAP-014) Interim Measures Completion Report, Draft Document, April 2011
- 04/11/2011 EPA/DEQ approve Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Work Plan, Final Document, March 2011 with response to comments
- 04/11/2011 EPA/DEQ approve the SWMU 54 (RAAAP-014) Monitored Natural Attenuation Interim Measures Work Plan, Final Document, April 2011 with response to comments on the draft.
- 04/07/2011 RFAAP submits SWMU 54 (RAAAP-014) Monitored Natural Attenuation Interim Measures Work Plan, Final Document, April 2011 with response to comments on the draft.
- 04/04/2011 RFAAP submits responses to comments on SWMU 54 (RAAAP-014) Monitored Natural Attenuation Interim Measures Work Plan, Draft Document, January 2011
- 03/30/2011 RFAAP submits Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Work Plan, Final Document, March 2011 with response to comments

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 03/28/2011 EPA/DEQ approve RFAAP responses to comments on the Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Work Plan, Draft Document, June 2010
- 03/23/2011 EPA/DEQ approve SWMU 41 RCRA Facility Investigation Report, Final, February 2011
- 03/17/2011 RAB meeting/poster session held. Also in conjunction with this meeting a separate public meeting was held for RFAAP's application to reissue the RCRA Corrective Action Permit and Statement of Basis
- 03/02/2011 RFAAP submits the Draft Remedial Action Work Plan for the Western Burning Ground, New River Unit (RAAP-0044), February 2011
- 02/23/2011 EPA/DEQ comment on the SWMU 54 (RAAAP-014) Monitored Natural Attenuation Interim Measures Work Plan, Draft Document, January 2011
- 02/23/2011 EPA/DEQ comment on the SWMU 40 (RAAP-009) Landfill Nitro Area Interim Measures Work Plan, Draft Final, November 2010
- 02/23/2011 RFAAP submits SWMU 41 RCRA Facility Investigation Report, Final, February 2011 with responses to EPA/DEQ comments on the draft
- 01/28/2011 EPA/DEQ approve Site Screening Process Report for Site Screening Areas 18, 72, 30, 79, 60, and 77, Final December 2010
- 01/28/2011 EPA/DEQ approve SWMU 43 RCRA Facility Investigation Report, Final Document, January 2011
- 01/19/2011 RFAAP responds to comments on Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Work Plan, Draft Document, June 2010
- 01/14/2011 RFAAP submits SWMU 43 RCRA Facility Investigation Report, Final Document, January 2011
- 01/13/2011 RFAAP submits SWMU 54 (RAAAP-014) Monitored Natural Attenuation Interim Measures Work Plan, Draft Document, January 2011
- 12/23/2010 EPA/DEQ comment on the Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Work Plan, Draft Document, June 2010
- 12/13/2010 DEQ approves Final Proposed Plan for New River Unit, September 2010
- 12/09/2010 DEQ approves final Remedial Action Work Plan for the Bag Loading Area, Igniter Assembly Area, and Building Debris Disposal Trench, New River Unit (RAAP-044), November 2010
- 12/09/2010 DEQ approves Final Removal Action Work Plan for the Northern Burning Ground, New River Unit, December 2009
- 12/06/2010 RFAAP submits Site Screening Process Report for Site Screening Areas 18, 72, 30, 79, 60, and 77, Final December 2010

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 12/03/2010 RFAAP submits SWMU 40 (RAAP-009) Landfill Nitro Area Interim Measures Work Plan, Draft Final, November 2010
- 11/30/2010 RFAAP submits remaining portions of the draft RCRA CORA Statement of Basis to EPA and DEQ
- 11/23/2010 EPA/DEQ approve RFAAP responses to comments on Site Screening Process Report for Site Screening Areas 18, 72, 30, 79, 60, and 77, Draft March 2010
- 11/17/2010 RFAAP submits SWMU 57 (RAAP-022) Pond By Buildings 4931 and 4928 Interim Measures Work Plan, Draft Final, November 2010
- 11/05/2010 RFAAP submits final Remedial Action Work Plan for the Bag Loading Area, Igniter Assembly Area, and Building Debris Disposal Trench, New River Unit (RAAP-044), November 2010 (submitted RTCs and replacement pages to make final)
- 11/04/2010 EPA/DEQ approve RCRA Facility Investigation for Solid Waste Management Units 35, 37, 38, and Area of Concern Q, Final September 2010 and Area P RCRA Facility Investigation Report, Final September 2010
- 10/27/2010 RFAAP submits draft Remedial Action Work Plan for the Bag Loading Area, Igniter Assembly Area, and Building Debris Disposal Trench, New River Unit (RAAP-044), October 2010
- 10/26/2010 Public comment period ends for the Final Proposed Plan for New River Unit, September 2010, comments are received from two individuals
- 10/25/2010 RFAAP responds to EPA/DEQ comments on Site Screening Process Report for Site Screening Areas 18, 72, 30, 79, 60, and 77, Draft March 2010
- 10/22/2010 DEQ approves Final Feasibility Study Report, New River Unit (RAAP-044), Bag Loading Area, Igniter Assembly Area, Building Debris Disposal Trench, and Western Burning Ground, September 2010
- 10/19/2010 RFAAP holds public meeting for the Final Proposed Plan for New River Unit, September 2010
- 10/13/2010 RFAAP submits Area P RCRA Facility Investigation Report, Final September 2010
- 10/12/2010 RFAAP submits Final Response Action Completion and Closure Report for the Northern Burning Ground, New River Unit (RAAP-044), October 2010
- 10/07/2010 DEQ concurs with Draft Response Action Completion and Closure Report for the Northern Burning Ground, New River Unit (RAAP-044), April 2010
- 09/26/2010 RFAAP submits public notice for the Final Proposed Plan for New River Unit, September 2010, starts public comment period
- 09/24/2010 RFAAP submits Final Proposed Plan for New River Unit, September 2010 to DEQ and Restoration Advisory Board

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 09/22/2010 EPA/DEQ comment on Site Screening Process Report for Site Screening Areas 18, 72, 30, 79, 60, and 77, Draft March 2010
- 09/22/2010 DEQ comments on the Draft Proposed Plan for New River Unit, September 2010
- 09/20/2010 RFAAP submits RCRA Facility Investigation for Solid Waste Management Units 35, 37, 38, and Area of Concern Q, Final September 2010
- 09/16/2010 RAB meeting/poster session held
- 09/15/2010 RFAAP submits Draft Proposed Plan for New River Unit, September 2010
- 09/14/2010 RFAAP submits Final Feasibility Study Report, New River Unit (RAAP-044), Bag Loading Area, Igniter Assembly Area, Building Debris Disposal Trench, and Western Burning Ground, September 2010
- 08/26/2010 EPA/DEQ approve RFAAP responses to EPA/DEQ comments on Area P RCRA Facility Investigation Report, Draft November 2009
- 08/26/2010 EPA/DEQ approve SMWU 13 RCRA Facility Investigation Report, Final July 2010
- 07/30/2010 DEQ approves Remedial Investigation Report, New River Unit (RAAP-044), BDDT, BLA, IAA, RY, WBG, and Groundwater, Volumes I and II, Final July 2010
- 07/22/2010 RFAAP sent revised responses to EPA/DEQ comments on SWMU 41 RCRA Facility Investigation Report, Draft November 2009
- 07/20/2010 DEQ comments on the Draft Feasibility Study Report, New River Unit, October 2009 (comments sent to ARCADIS)
- 07/19/2010 RFAAP submits Army Reserve Small Arms Range RCRA Facility Investigation/Interim Measures Work Plan, Draft Document, June 2010
- 07/15/2010 RFAAP submits SMWU 13 RCRA Facility Investigation Report, Final July 2010
- 07/14/2010 RFAAP responds to EPA/DEQ comments on SWMU 41 RCRA Facility Investigation Report, Draft November 2009
- 07/12/2010 EPA/DEQ approve RFAAP responses to EPA/DEQ comments on SMWU 13 RCRA Facility Investigation Report, Draft July 2009
- 07/07/2010 RFAAP submits Remedial Investigation Report, New River Unit (RAAP-044), BDDT, BLA, IAA, RY, WBG, and Groundwater, Volumes I and II, Final July 2010
- 06/08/2010 RFAAP responds to EPA/DEQ comments on Area P RCRA Facility Investigation Report, Draft November 2009
- 05/21/2010 EPA/DEQ comment on SWMU 41 RCRA Facility Investigation Report, Draft November 2009

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 05/21/2010 RFAAP responds to DEQ comments (May 5, 2010) on the Draft Remedial Investigation Report, Volumes I and II and Draft Feasibility Study Report, New River Unit, October 2009
- 05/17/2010 RFAAP responds to EPA/DEQ comments on SMWU 13 RCRA Facility Investigation Report, Draft July 2009
- 05/10/2010 RFAAP responds to EPA/DEQ comments on SWMU 43 RCRA Facility Investigation Report, Draft November 2009
- 05/05/2010 DEQ comments on the Draft Remedial Investigation Report, Volumes I and II and Draft Feasibility Study Report, New River Unit, October 2009
- 04/30/2010 RFAAP responds to DEQ comments (March 5 and 17, 2010) on the NRU HHRA and RI Report
- 04/29/2010 EPA/DEQ comment on Area P RCRA Facility Investigation Report, Draft November 2009
- 04/08/2010 EPA/DEQ comment on SWMU 43 RCRA Facility Investigation Report, Draft November 2009
- 04/06/2010 RFAAP submits Draft Response Action Completion and Closure Report for the Northern Burning Ground, New River Unit (RAAP-044), April 2010
- 04/01/2010 EPA/DEQ approve Interim Measures Completion Reports: SWMU 51, SWMU 39, and FLFA, Final Document, February 2010
- 03/29/2010 RFAAP submits Site Screening Process Report for Site Screening Areas 18, 72, 30, 79, 60, and 77, Draft March 2010
- 03/29/2010 EPA/DEQ approve SWMU 45 (RAAP-024) Site Screening Process Report, Final January 2010
- 03/29/2010 EPA/DEQ comments on RFAAP responses to their comments on SMWU 13 RCRA Facility Investigation Report, Draft July 2009
- 03/18/2010 RAB meeting/poster session held
- 03/17/2010 DEQ comments on Draft Remedial Investigation Report, Volumes I and II and Draft Feasibility Study Report, New River Unit, October 2009
- 03/05/2010 DEQ comments on Draft Remedial Investigation Report, Volumes I and II and Draft Feasibility Study Report, New River Unit, October 2009
- 02/10/2010 RFAAP submits RTCs for EPA/DEQ comments on SMWU 13 RCRA Facility Investigation Report, Draft July 2009
- 02/02/2010 RFAAP submits SWMU 45 (RAAP-024) Site Screening Process Report, Final January 2010
- 02/02/2010 EPA/DEQ approve SWMU 54 Interim Measures Work Plan, Final Document, January 2010

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 02/01/2010 RFAAP submits Interim Measures Completion Reports: SWMU 51, SWMU 39, and FLFA, Final Document, February 2010
- 01/26/2010 RFAAP submits SWMU 54 Interim Measures Work Plan, Final Document, January 2010
- 01/26/2010 EPA/DEQ approve RFAAP RTCs for EPA/DEQ comments on SWMU 54 Interim Measures Work Plan, Draft December 2009
- 01/20/2010 EPA/DEQ approve RFAAP RTCs for EPA/DEQ comments on SWMU 45 (RAAP-024) Site Screening Process Report, Draft January 2009
- 01/11/2010 RFAAP submits RTCs for SWMU 54 Interim Measures Work Plan, Draft December 2009
- 01/07/2010 EPA/DEQ comment on SWMU 54 Interim Measures Work Plan, Draft December 2009 and Interim Measures Completion Reports: SWMU 51, SWMU 39, and FLFA, Draft Document, December 2009
- 12/16/2009 RFAAP submits RTCs for SWMUs 48 and 49 RCRA Facility Investigation/Corrective Measures Study Report, Draft Document, February 2009
- 12/14/2009 RFAAP submits Interim Measures Completion Reports: SWMU 51, SWMU 39, and FLFA, Draft Document, December 2009
- 12/11/2009 RFAAP submits SWMU 54 Interim Measures Work Plan, Draft December 2009
- 12/10/2009 RAB meeting/poster session
- 12/10/2009 RFAAP submits Area P RCRA Facility Investigation Report, Draft November 2009
- 12/09/2009 RFAAP submits SWMU 41 RCRA Facility Investigation Report, Draft November 2009
- 12/04/2009 RFAAP submits Final Removal Action Work Plan for the Northern Burning Ground, New River Unit, December 2009
- 12/09/2009 RFAAP submits SWMU 41 RCRA Facility Investigation Report, Draft, November 2009
- 11/24/2009 RFAAP submits SWMU 43 RCRA Facility Investigation Report, Draft November 2009
- 11/16/2009 RFAAP submits Draft Remedial Investigation Report, Volumes I and II and Draft Feasibility Study Report, New River Unit, October 2009
- 11/13/2009 RFAAP provides RTCs for EPA/DEQ comments on RCRA Facility Investigation for Solid Waste Management Units 35, 37, 38, and Area of Concern Q, Draft July 2009
- 11/13/2009 RFAAP provides RTCs for EPA/DEQ comments on SWMU 45 (RAAP-024) Site Screening Process Report, Draft January 2009

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 11/05/2009 DEQ issues permit modification for HWMU 5 Corrective Action Plan
- 11/03/2009 EPA/DEQ comment on SMWU 13 RCRA Facility Investigation Report, Draft July 2009
- 10/28/2009 RFAAP resubmits Final RFI Addendum SWMU 31 (RAAP-026): Coal Ash Settling Lagoons, Final October 2009
- 10/23/2009 EPA/DEQ approve the following: Final RFI Report RAAP-031 Area of Concern A-Nitrocellulose Rainwater Ditch, July 2009, Final RCRA Facility Investigation Report RAAP-047 Buildings 1549, 1041 and 1034, September 2009, SWMUs 50 and 59 RCRA Facility Investigation Report, Final September 2009
- 10/14/2009 RFAAP held public meeting on the Final Engineering Evaluation/Cost Analysis, Northern Burning Ground, New River Unit (RAAP-044), July 2009
- 10/08/2009 DEQ held public hearing on draft HWMU 5 Corrective Action Plan
- 10/02/2009 EPA/DEQ comment on RCRA Facility Investigation for Solid Waste Management Units 35, 37, 38, and Area of Concern Q, Draft July 2009
- 09/28/2009 RFAAP submits SWMUs 50 and 59 RCRA Facility Investigation Report, Final September 2009
- 09/23/2009 RFAAP submits Final RCRA Facility Investigation Report RAAP-047 Buildings 1549, 1041 and 1034, September 2009
- 09/22/2009 EPA/DEQ approve Work Plan Addendum 028 Site Screening Process at Site Screening Areas 18, 72, 30, 79, 60, and 77, Final June 2009
- 09/21/2009 EPA/DEQ approve Solid Waste Management Unit 57 (RAAP-022) RCRA Facility Investigation/Corrective Measures Study Report, Final, September 2009
- 09/17/2009 RAB member site tour of the Main Manufacturing Area.
- 09/17/2009 RFAAP submits Solid Waste Management Unit 57 (RAAP-022) RCRA Facility Investigation/Corrective Measures Study Report, Final, September 2009
- 09/09/2009 EPA/DEQ comment on SWMUs 50 and 59 RCRA Facility Investigation Report, Draft May 2009
- 09/02/2009 DEQ provides RFAAP with draft HWMU 5 Corrective Action Plan and attachments to go forward with the required public notice and public hearing
- 08/20/2009 DEQ approves Final Engineering Evaluation/Cost Analysis, Northern Burning Ground, New River Unit (RAAP-044), July 2009
- 07/30/2009 RFAAP submits Final Engineering Evaluation/Cost Analysis, Northern Burning Ground, New River Unit (RAAP-044), July 2009
- 07/30/2009 EPA/DEQ approve Final Site Screening Process Report, Military Munitions Response Program, January 2009

<p style="text-align: center;">RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE</p>
--

- 07/30/2009 RFAAP submits SMWU 13 RCRA Facility Investigation Report, Draft July 2009
- 07/28/2009 EPA/DEQ comment on SWMU 45 (RAAP-024) Site Screening Process Report, Draft January 2009
- 07/27/2009 RFAAP submits RCRA Facility Investigation for Solid Waste Management Units 35, 37, 38, and Area of Concern Q, Draft July 2009
- 07/22/2009 RFAAP submits Final RFI Report RAAP-031 Area of Concern A-Nitrocellulose Rainwater Ditch, July 2009
- 07/01/2009 EPA/DEQ comments on SWMUs 48 and 49 RCRA Facility Investigation/Corrective Measures Study Report, Draft Document, February 2009
- 06/29/2009 RFAAP submits Work Plan Addendum 028 Site Screening Process at Site Screening Areas 18, 72, 30, 79, 60, and 77, Final June 2009
- 06/18/2009 RAB member site tour of the New River Unit and RAB IRP status poster session at the New River Valley Competiveness Center.
- 06/15/2009 EPA/DEQ comments on Draft RFI Report RAAP-031 Area of Concern A-Nitrocellulose Rainwater Ditch, April 2009.
- 06/15/2009 EPA concurs with RFAAP responses on Work Plan Addendum 028 Site Screening Process at Site Screening Areas 18, 72, 30, 79, 60, and 77, Draft December 2008. DEQ is still reviewing.
- 06/15/2009 EPA/DEQ comment on Draft RCRA Facility Investigation Report RAAP-047 Buildings 1549, 1041 and 1034, April 2009
- 06/15/2009 EPA/DEQ respond to RFAAP responses on EPA and DEQ comments on Solid Waste Management Unit 57 (RAAP-022) RCRA Facility Investigation/Corrective Measures Study Report, Draft, September 2008
- 05/21/2009 RFAAP submits Final Site Screening Process Report, Military Munitions Response Program, January 2009
- 05/20/2009 RFAAP responds to DEQ risk assessment comment on the Draft Engineering Evaluation/Cost Analysis, Northern Burning Ground, New River Unit (RAAP-044), January 2009
- 05/08/2009 RFAAP submits SWMUs 50 and 59 RCRA Facility Investigation Report, Draft May 2009
- 05/05/2009 RFAAP responds to DEQ technical review comments on the Draft HWMU 5 Corrective Action Plan
- 04/29/2009 EPA and DEQ agree that closure of Area of Concern O will be handled under the DEQ Oil Control Program and a No Further Action will be issued under RCRA Permit.
- 04/28/2009 RFAAP submits Draft RFI Report RAAP-031 Area of Concern A-Nitrocellulose Rainwater Ditch, April 2009

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 04/22/2009 DEQ provides risk assessment comments on the Draft Engineering Evaluation/Cost Analysis, Northern Burning Ground, New River Unit (RAAP-044), January 2009
- 04/21/2009 RFAAP submits Draft RCRA Facility Investigation Report RAAP-047 Buildings 1549, 1041 and 1034, April 2009
- 04/21/2009 RFAAP responds to EPA comments on Work Plan Addendum 028 Site Screening Process at Site Screening Areas 18, 72, 30, 79, 60, and 77, Draft December 2008
- 04/21/2009 RFAAP responds to EPA and DEQ comments on Solid Waste Management Unit 57 (RAAP-022) RCRA Facility Investigation/Corrective Measures Study Report, Draft, September 2008
- 04/21/2009 RFAAP submits draft RAAP-047 RCRA Facility Investigation Report
- 04/21/2009 RFAAP responds to DEQ comments on the Draft Engineering Evaluation/Cost Analysis, Northern Burning Ground, New River Unit (RAAP-044), January 2009
- 04/10/2009 EPA and DEQ conditionally approve RFAAP responses to their comments on Solid Waste Management Units 40 and 71 RCRA Facility Investigation/Corrective Measures Study Report, Draft April 2008
- 03/19/2009 RAB IRP status poster session at the New River Valley Competiveness Center.
- 03/10/2009 EPA provides comments on Work Plan Addendum 028 Site Screening Process at Site Screening Areas 18, 72, 30, 79, 60, and 77, Draft December 2008
- 03/04/2009 EPA and DEQ provide risk assessor comments for Solid Waste Management Unit 57 (RAAP-022) RCRA Facility Investigation/Corrective Measures Study Report, Draft, September 2008
- 03/03/2009 DEQ RO approves NFA in re Area O RCRA Facility Investigation/Corrective Measures Study, Draft Document, Draft Document August 2008
- 02/27/2009 DEQ submits technical review comments on the Draft HWMU 5 CAP.
- 02/27/2009 EPA and DEQ approve the Former Lead Furnace Area RCRA Facility Investigation/ Corrective Measures Study, Draft February 2008
- 02/18/2009 DEQ comments (verbal) on Draft Engineering Evaluation/Cost Analysis, Northern Burning Ground, New River Unit (RAAP-044), January 2009
- 02/13/2009 RFAAP submits responses to EPA and DEQ comments on Solid Waste Management Units 40 and 71 RCRA Facility Investigation/Corrective Measures Study Report, Draft April 2008
- 02/05/2009 RFAAP submits SWMUs 48 and 49 RCRA Facility Investigation/Corrective Measures Study Report, Draft Document, February 2009
- 01/22/2009 RFAAP held public meeting on draft HWMU 5 Corrective Action Plan

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 01/20/2009 RFAAP submits SWMU 45 (RAAP-024) Site Screening Process Report, Draft January 2009
- 01/16/2009 RFAAP submits Draft Engineering Evaluation/Cost Analysis, Northern Burning Ground, New River Unit (RAAP-044), January 2009
- 01/14/2009 RFAAP submits Draft Site Screening Process Report, Military Munitions Response Program, January 2009
- 12/19/2008 EPA and DEQ approve Former Lead Furnace Area RCRA Facility Investigation/ Corrective Measures Study, Final November 2008
- 12/17/2008 RFAAP submits Draft HWMU 5 Corrective Action Plan.
- 12/12/2008 RFAAP submits Work Plan Addendum 028 Site Screening Process at Site Screening Areas 18, 72, 30, 79, 60, and 77, Draft December 2008
- 12/11/2008 RAB IRP status poster session at the New River Valley Competiveness Center.
- 12/05/2008 EPA and DEQ provide partial comments (waiting for human & ecological risk assessor) Solid Waste Management Unit 57 (RAAP-022) RCRA Facility Investigation/Corrective Measures Study Report, Draft, September 2008
- 12/03/2008 RFAAP submits Draft Work Plan Addendum 29 Supplemental RFI/CMS Work Plan RAAP-031: Area of Concern A-Nitrocellulose Rainwater Ditch December 2008
- 11/25/2008 RFAAP submits Former Lead Furnace Area Interim Measures Work Plan, Draft Document, November 2008
- 11/24/2008 RFAAP submits Former Lead Furnace Area RCRA Facility Investigation/ Corrective Measures Study, Final November 2008
- 11/14/2008 EPA and DEQ approve RFAAP responses to EPA/DEQ comments on the Former Lead Furnace Area RCRA Facility Investigation/ Corrective Measures Study, Draft February 2008
- 11/13/2008 EPA and DEQ provide risk assessment comments on Solid Waste Management Units 40 and 71 RCRA Facility Investigation/Corrective Measures Study Report, Draft April 2008
- 11/03/2008 RFAAP submits SWMU 31 RFI Addendum (RAAP-026): Coal Ash Settling Lagoons Draft November 2008
- 11/03/2008 RFAAP provides responses to EPA/DEQ comments on the Former Lead Furnace Area RCRA Facility Investigation/ Corrective Measures Study, Draft February 2008
- 10/28/2008 Stakeholder partnering meeting
- 10/22/2008 EPA and DEQ approve SWMU 51 Interim Measures Work Plan, Draft Document, July 2008
- 10/21/2008 RFAAP submits draft Environmental Indicators to EPA and DEQ.

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 10/16/2008 EPA and DEQ approve Solid Waste Management Unit 54 RCRA Facility Investigation/Corrective Measures Study Report, Final September 2008
- 10/16/2008 EPA and DEQ approve SWMU 51 RCRA Facility Investigation/Corrective Measures Study Report, Final Document, July 2008
- 10/01/2008 EPA and DEQ approve the Final Work Plan Addendum 024 Site Screening Process, Military Munitions Response Program, September 2008
- 10/01/2008 EPA and DEQ approve the SWMU 39 Interim Measures Work Plan, Final Document, July 2008
- 09/24/2008 RFAAP submits Solid Waste Management Unit 54 RCRA Facility Investigation/Corrective Measures Study Report, Final September 2008
- 09/19/2008 RFAAP submits Solid Waste Management Unit 57 (RAAP-022) RCRA Facility Investigation/Corrective Measures Study Report, Draft, September 2008
- 09/18/2008 RAB meeting held.
- 09/16/2008 RFAAP submits Final Work Plan Addendum 024 Site Screening Process, Military Munitions Response Program, September 2008.
- 08/27/2008 EPA/DEQ provide partial comments (waiting for human & ecological risk assessor) on Solid Waste Management Units 40 and 71 RCRA Facility Investigation/Corrective Measures Study Report, Draft April 2008
- 08/26/2008 RFAAP submits Area O RCRA Facility Investigation/Corrective Measures Study, Draft Document, Draft Document August 2008
- 08/19/2008 EPA and DEQ approve 08/13/2008 RFAAP consolidated responses to EPA comments on Solid Waste Management Unit 54 RCRA Facility Investigation/Corrective Measures Study Report, Draft January 2008
- 08/13/2008 RFAAP provides revised and consolidated responses to EPA comments on Solid Waste Management Unit 54 RCRA Facility Investigation/Corrective Measures Study Report, Draft January 2008
- 08/06/2008 DEQ comments on Section 9.3, SWMU 51 RCRA Facility Investigation/Corrective Measures Study Report, Draft Final January 2008
- 08/06/2008 EPA/DEQ approve Final Work Plan Addendum 25 RCRA Facility Investigation Work Plan: TCE Plume at Bldgs 1549, 1041 and 1034 (RAAP-047), May 2008
- 08/06/2008 EPA/DEQ approve Work Plan Addendum 023 RCRA Facility Investigation at Solid Waste Management Unit 13, Final July 2008
- 08/01/2008 EPA provides human health risk assessor comments on Former Lead Furnace Area RCRA Facility Investigation/ Corrective Measures Study, Draft February 2008
- 07/31/2008 RFAAP submits SWMU 51 RCRA Facility Investigation/Corrective Measures Study Report, Final Document, July 2008

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 07/31/2008 RFAAP submits SWMU 51 Interim Measures Work Plan, Draft Document, July 2008
- 07/28/2008 RFAAP submits Work Plan Addendum 023 RCRA Facility Investigation at Solid Waste Management Unit 13, Final July 2008 with response to comments
- 07/18/2008 RFAAP submits SWMU 39 Interim Measures Work Plan, Final Document, July 2008
- 07/17/2008 RFAAP responds to EPA risk assessor comments on Solid Waste Management Unit 54 RCRA Facility Investigation/Corrective Measures Study Report, Draft January 2008
- 07/16/2008 EPA/DEQ approved (via email) to start fieldwork on Work Plan Addendum 023 RCRA Facility Investigation at Solid Waste Management Unit 13, Draft February 2008
- 06/25/2008 RFAAP submits Remedial Investigation Work Plan Addendum 27, New River Unit (RAAP-044), Draft June 2008
- 06/25/2008 EPA provides human health risk assessor comments on Solid Waste Management Unit 54 RCRA Facility Investigation/Corrective Measures Study Report, Draft January 2008
- 06/24/2008 RFAAP sends out draft minutes for the 06/11-12/2008 stakeholder partnering meeting
- 06/20/2008 DEQ visit to the New River Unit sites.
- 06/20/2008 RFAAP responds to EPA and DEQ comments on Work Plan Addendum 023 RCRA Facility Investigation at Solid Waste Management Unit 13, Draft February 2008
- 06/20/2008 RFAAP provides revised response to EPA/DEQ Comment 3 on SWMU 51 RCRA Facility Investigation/Corrective Measures Study Report, Draft Final January 2008
- 06/19/2008 RFAAP submits RFI Work Plan RAAP-031: Area of Concern A- Nitrocellulose Rainwater Ditch, Draft June 2008 (aka Work Plan Addendum 026)
- 06/19/2008 RAB meeting, site visit of the Main Manufacturing Area sites.
- 06/17/2008 EPA provide ecological risk assessment comments on Solid Waste Management Unit 54 RCRA Facility Investigation/Corrective Measures Study Report, Draft January 2008 and on SWMU 51 RCRA Facility Investigation/Corrective Measures Study Report, Draft Final January 2008
- 06/11-12/2008 Stakeholder partnering meeting
- 05/29/2008 EPA and DEQ provide comments on submits SWMU 39 Interim Measures Work Plan, Draft Document, April 2008

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 05/14/2008 EPA and DEQ provide partial comments (waiting for human & ecological risk assessor) on Former Lead Furnace Area RCRA Facility Investigation/Corrective Measures Study, Draft February 2008
- 05/01/2008 RFAAP submits Final Work Plan Addendum 25 RCRA Facility Investigation Work Plan: TCE Plume at Bldgs 1549, 1041 and 1034 (RAAP-047), May 2008
- 04/23/2008 EPA and DEQ comment on Draft Work Plan Addendum 25 RCRA Facility Investigation Work Plan: TCE Plume at Bldgs 1549, 1041 and 1034 (RAAP-047), March 2008
- 04/22/2008 RFAAP responds to EPA and DEQ comments on SWMU 51 RCRA Facility Investigation/Corrective Measures Study Report, Draft Final January 2008
- 04/21/2008 RFAAP submits Solid Waste Management Units 40 and 71 RCRA Facility Investigation/Corrective Measures Study Report, Draft April 2008
- 04/18/2008 RFAAP submits Work Plan Addendum 024 Site Screening Process Radford Army Ammunition Plant, Virginia, Military Munitions Response Program April 2008
- 04/17/2008 EPA and DEQ comment on Work Plan Addendum 023 RCRA Facility Investigation at Solid Waste Management Unit 13, Draft February 2008
- 04/15/2008 RFAAP submits SWMU 39 Interim Measures Work Plan, Draft Document, April 2008
- 04/02/2008 EPA and DEQ provide partial comments (waiting for human & ecological risk assessor) on Solid Waste Management Unit 54 RCRA Facility Investigation/Corrective Measures Study Report, Draft January 2008
- 03/31/2008 RFAAP submits Draft Work Plan Addendum 25 RCRA Facility Investigation Work Plan: TCE Plume at Bldgs 1549, 1041 and 1034 (RAAP-047), March 2008
- 03/27/2008 EPA responds that no additional comments will be provided for SWMU 51 RCRA Facility Investigation/Corrective Measures Study Report, Draft Final January 2008
- 03/05/2008 EPA and DEQ approve Historical Records Review, Radford Army Ammunition Plant, Virginia, Military Munitions Response Program, Final January 2008
- 03/04/2008 EPA and DEQ approve Work Plan Addendum 22 Site Screening Process at SWMU 45, Final December 2007
- 02/29/2008 EPA and DEQ provide partial comments (waiting for risk assessor) on SWMU 51 RCRA Facility Investigation/Corrective Measures Study Report, Draft Final January 2008
- 02/21/2008 RFAAP submits Former Lead Furnace Area RCRA Facility Investigation/Corrective Measures Study, Draft February 2008

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 02/07/2008 RFAAP submits Work Plan Addendum 023 RCRA Facility Investigation at Solid Waste Management Unit 13, Draft February 2008
- 01/31/2008 RFAAP submits Solid Waste Management Unit 54 RCRA Facility Investigation/Corrective Measures Study Report, Draft January 2008
- 01/16/2008 RFAAP submits SWMU 51 RCRA Facility Investigation/Corrective Measures Study Report, Draft Final January 2008
- 01/16/2008 RFAAP submits Historical Records Review, Radford Army Ammunition Plant, Virginia, Military Munitions Response Program, Final January 2008
- 01/04/2008 RFAAP submits Work Plan Addendum 22 Site Screening Process at SWMU 45, Final December 2007
- 01/04/2007 EPA and DEQ approve Work Plan Addendum 020 RFI for SWMUs 35, 37, 38 and AOC Q, Final October 2007 and Work Plan Addendum 021 RFI at SWMU 57, Final October 2007
- 11/28/2007 RFAAP submits Historical Records Review, Radford Army Ammunition Plant, Virginia, Military Munitions Response Program, November 2007.
- 11/26/2007 EPA and DEQ approved Work Plan Addendum 19: SWMUs 48, 49, 50, 59, 41, Area O, FLFA, SWMU 43, and Area P, Final Document, July 2007
- 11/06/2007 RFAAP submits Work Plan Addendum 020 RFI for SWMUs 35, 37, 38 and AOC Q, Final October 2007 and Work Plan Addendum 021 RFI at SWMU 57, Final October 2007
- 10/18/2007 RFAAP submits NRU Additional Characterization Sampling & Groundwater Investigation Data Report, Final Document, October 2007
- 10/18/2007 RFAAP submits Decision Documents for SWMUs 46, 68, 69, 75, 76 and ACO F No Further Action, August 2007
- 09/26/2007 DEQ approves SWMU 31 RCRA Facility Investigation Report, Final Document, July 2007
- 09/26/2007 RFAAP submits Work Plan Addendum 19: SWMUs 48, 49, 50, 59, 41, Area O, FLFA, SWMU 43, and Area P, Final Document, July 2007.
- 09/20/2007 EPA approves SWMU 31 RCRA Facility Investigation Report, Final Document, July 2007
- 09/12/2007 Progress meeting held among EPA, DEQ, RFAAP. Agenda topics were Pro UCL/Ecological Risk Assessment, SWMU 54 update, RCRA Permit Reapplication, SWMU 13, Decision Documents for SWMUs 46, 68, 69, 75 & 76, WPA 20 SWMUs 35, 37, 38 & AOC Q, WPA 21 SWMU 57, WPA 22 SWMU 45, SWMU 40 Update on Well Installation, WPA 19 fieldwork update, Schedules and upcoming actions. EPA and DEQ approved response to comments for WPAs 20 and 21 so that fieldwork could be scheduled.
- 09/11/2007 EPA/DEQ provide comments on Work Plan Addendum 22 Site Screening Process at SWMU 45, July 2007

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 08/27/2007 RFAAP responds to EPA and DEQ comments on: Work Plan Addendum 20 RCRA Facility Investigation for SWMUs 35, 37, 38 and AOC Q, Draft April 2007 and Work Plan Addendum 21 RCRA Facility Investigation for Solid Waste Management Unit 57, May 2007
- 08/16/2007 DEQ approves RFAAP's Closure Evaluation for HWMU 4-Interim Status to clean close for groundwater.
- 08/09/2007 RFAAP submits DEQ Class 3 Permit Modification for HWMUs 5, 7, 10, 16 and Open Burning Ground/HWMU 13. This modification incorporates previous submittals in re Alternate Source Demonstrations for HWMUs 5 & 7 in order to clean close for groundwater.
- 08/02/2007 RFAAP submits Work Plan Addendum 22 Site Screening Process at SWMU 45, July 2007
- 07/26/2007 EPA/DEQ comment on Work Plan Addendum 21 RCRA Facility Investigation for Solid Waste Management Unit 57, May 2007
- 07/24/2007 RFAAP submits SWMU 31 RCRA Facility Investigation Report, Final Document, July 2007
- 07/06/2007 EPA/DEQ comment on Work Plan Addendum 20 RCRA Facility Investigation for SWMUs 35, 37, 38 and AOC Q, Draft April 2007
- 06/28/2007 RFAAP submits Closure Evaluation for HWMU 4-Interim Status to clean close for groundwater.
- 06/25/2007 Shaw/RFAAP submitted revisions to EPA and DEQ for SWMU 31 RCRA Facility Investigation Report, Final Document, December 2006
- 06/21/2007 RAB meeting.
- 06/20/2007 EPA approves fieldwork start on Work Plan Addendum 19: SWMUs 48, 49, 50, 59, 41, Area O, FLFA, SWMU 43, and Area P, Draft Final Document, February 2007.
- 06/14/2007 DEQ approves Alternate Source Demonstration for HWMU 7.
- 06/14/2007 DEQ approves Class 1 (Minor) Modification for Reduction in Monitoring Schedule for HWMUs 5, 7, 10 & 16 to reduce groundwater monitoring from quarterly to semi-annual.
- 06/14/2007 DEQ approves Reduction in Monitoring Schedule for Interim Status Units, Hazardous Waste Management Units 4 and 39 Interim Status to reduce groundwater monitoring from quarterly to semi-annual.
- 06/08/2007 EPA approves Building 4343 Interim Measures Completion Report, Final Document, April 2007
- 06/07/2007 EPA approves Site Screening Process Report for Solid Waste Management Units 13, 37, 38, 46, 57, 68, 69, and Areas of Concern A, F, Q Final May 2007

<p style="text-align: center;">RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE</p>
--

- 06/07/2007 RFAAP responds to EPA and DEQ consolidated comments received on Work Plan Addendum 19: SWMUs 48, 49, 50, 59, 41, Area O, FLFA, SWMU 43, and Area P, Draft Final Document, February 2007.
- 05/29/2007 RFAAP submits Class 1 (Minor) Modification for Reduction in Monitoring Schedule for HWMUs 5, 7, 10 & 16 to reduce groundwater monitoring from quarterly to semi-annual.
- 05/29/2007 RFAAP submits Reduction in Monitoring Schedule for Interim Status Units, Hazardous Waste Management Units 4 and 39 Interim Status to reduce groundwater monitoring from quarterly to semi-annual.
- 05/24/2007 EPA and DEQ consolidated comments received on Work Plan Addendum 19: SWMUs 48, 49, 50, 59, 41, Area O, FLFA, SWMU 43, and Area P, Draft Final Document, February 2007.
- 05/24/2007 EPA and DEQ approved groundwater locations proposed in the SWMU 40 (Nitro Landfill) Geophysical Investigation Report, Draft March 2007 but also had comments on this work plan.
- 05/16/2007 Progress meeting held among EPA, DEQ, RFAAP and USAEC. Agenda topics were Wok Plan Addendum 19 SWMUs 54, 31, 40/7, 39 and Military Munitions Response Program (MMRP). DEQ approved fieldwork start for WPA 19.
- 05/14/2007 RFAAP submits Work Plan Addendum 21 RCRA Facility Investigation for Solid Waste Management Unit 57, May 2007
- 05/11/2007 RFAAP submits Site Screening Process Report for Solid Waste Management Units 13, 37, 38, 46, 57, 68, 69, and Areas of Concern A, F, Q Final May 2007
- 05/01/2007 RFAAP responds to 04/20/2007 comments from DEQ on SWMU 31 RCRA Facility Investigation Report, Final Document, December 2006
- 04/27/2007 RFAAP submits Work Plan Addendum 20 RCRA Facility Investigation for SWMUs 35, 37, 38 and AOC Q, Draft April 2007
- 04/24/2007 RFAAP submits Alternate Source Demonstration for HWMU 5
- 04/20/2007 DEQ comments on SWMU 31 RCRA Facility Investigation Report, Final Document, December 2006
- 04/20/2007 RFAAP responds to 04/11/2007 comments from EPA on SWMU 31 RCRA Facility Investigation Report, Final Document, December 2006
- 04/17/2007 RFAAP submits Building 4343 Interim Measures Completion Report, Final Document, April 2007
- 04/13/2007 DEQ approves the revised Site Screening Process for SWMUs 13, 37, 38, 46, 57, 68, 69 and AOCs A, F, Q Draft January 2007
- 04/11/2007 EPA comments on SWMU 31 RCRA Facility Investigation Report, Final Document, December 2006 (email receipt, no date on letter)

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 04/04/2007 RFAAP submits SWMU 40 (Nitro Landfill) Geophysical Investigation Report, Draft March 2007.
- 04/03/2007 EPA comments on Building 4343 Interim Measures Completion Report, Draft Final Document, January 2007.
- 03/30/2007 DEQ approves Building 4343 Interim Measures Completion Report, Draft Final Document, January 2007.
- 03/27-28/2007 IAP workshop.
- 03/15/2007 RAB meeting.
- 03/13/2007 Per action item from the 02/15/2007 progress meeting, RFAAP emailed to EPA, DEQ and the rest of the stakeholders a spreadsheet with a brief status of the sites in Attachment A to the RCRA Corrective Action permit. This is to facilitate new personnel coming up to speed on the Radford AAP.
- 02/28/2007 RFAAP submits Work Plan Addendum 19: SWMUs 48, 49, 50, 59, 41, Area O, FLFA, SWMU 43, and Area P, Draft Final Document, February 2007.
- 02/20/2007 USACHPPM approves the Building 4343 Interim Measures Completion Report, Draft Final Document, January 2007.
- 02/15/2007 Progress meeting held among EPA, DEQ, RFAAP and USAEC. Agenda topics were SWMUs 54, 31, AOC Bldg.4343, Work Plan Addendum 19 and EPA project manager change.
- 02/09/2007 RFAAP submits amended closure plans for HWMUs 5 and 7.
- 01/31/2007 RFAAP submits the revised Site Screening Process for SWMUs 13, 37, 38, 46, 57, 68, 69 and AOCs A, F, Q Draft January 2007.
- 01/24/2007 RFAAP submits the Building 4343 Interim Measures Completion Report, Draft Final Document, January 2007.
- 01/09/2007 RFAAP submits Alternate Source Demonstration for HWMU 7.
- 01/05/2007 RFAAP submits SWMU 31 RCRA Facility Investigation Report, Final Document, December 2006
- 12/14/2006 RAB meeting.
- 10/20/2006 RFAAP submits the Building 4343 Interim Measures Work Plan, Final Document, October 2006.
- 10/16/2006 EPA approves No Further Action Decision Documents for SWMUs 8 and 36 based on the assessments and evaluations from the Soil Screening Report, Final Document, January 2004
- 10/12/2006 RFAAP submits the Installation Action Plan, May/FY06, Final August 22, 2006.
- 10/04/2006 Progress meeting held among EPA, DEQ, RFAAP and USAEC. Agenda topics were NRU Groundwater Plan, NRU Rail Yard, Building 4343, SWMU 54, SWMU 31, RFAAP RCRA Permit, RFAAP PBC.

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 09/21/2006 RAB meeting held.
- 09/20/2006 EPA approves Building 4343 Interim Measures Work Plan, Final Document, August 2006.
- 09/11/2006 DEQ approves Building 4343 Interim Measures Work Plan, Final Document, August 2006.
- 08/30/2006 RFAAP begins implementing the Interim Measures Work Plan at Bldg. 4343.
- 08/14/2006 RFAAP submits Building 4343 Interim Measures Work Plan, Final Document, August 2006 to EPA and DEQ.
- 08/07/2006 RFAAP sends a letter to EPA in re assessment of SWMU 31 data and to begin the consultation process to resolve regulatory comments.
- 06/30/2006 RFAAP submits a revised ecological approach and response to 06/19/2006 EPA comments on the draft.
- 06/21/2006 Progress meeting held among EPA, DEQ, RFAAP and USAEC. Agenda topics were SWMUs 54, 31, 40/71, 41, AOCs A, F and Bldg 4343, NRU and Horseshoe groundwater, risk assessment overview. EPA and DEQ approve the start of interim measures at Bldg 4343.
- 06/19/2006 RFAAP requests an extension to respond to EPA comments dated 06/19, 05/08 and 04/25/2006 in re SWMU 31.
- 06/19/2006 EPA comments on the SWMU 31 Amphibian Assessment.
- 06/19/2006 EPA comments on ecological approach and additional information for SWMU 54 that was submitted via email on 04/21/2006.
- 06/15/2006 RAB meeting held.
- 05/31/2006 RFAAP provides EPA and DEQ with soil and groundwater data for sites within the Horseshoe Area.
- 05/24-25/2006 RFAAP, USAEC, ATK, EPA and DEQ meet for the Installation Action Plan Workshop.
- 05/08/2006 EPA comments on the SWMU 31 RCRA Facility Investigation Report, Draft Document, November 2005.
- 04/25/2006 RFAAP submits SWMU 31 Amphibian Assessment via email.
- 04/25/2006 EPA comments on the SWMU 31 RCRA Facility Investigation Report, Draft Document, November 2005.
- 04/21/2006 RFAAP submits (via email) ecological approach and additional information for SWMU 54. Ecological approach is a working document from the 03/29-30/2006 EPA meeting.
- 04/19/2006 RFAAP submits Building 4343 Interim Measures Work Plan, Draft Final Document, April 2006

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 04/03/2006 EPA responds to RFAAP's letter of 03/22/2006 in re SWMU 40/71 RFI/CMS Report, Draft Document, December 2004
- 03/29-30/2006 Progress meeting held among EPA, DEQ, RFAAP and USAEC. Agenda topics were SWMUs 54, 31, 45, 40/71, AOC Bldg 4343, NRU Rail Yard and risk assessment overview.
- 03/22/2006 RFAAP responds to EPA's letter of 12/15/2006 in re SWMU 40/71 RFI/CMS Report, Draft Document, December 2004
- 03/21/2006 DEQ comments on the SWMU 31 RCRA Facility Investigation Report, Draft Document, November 2005.
- 03/16/2006 RAB meeting held.
- 03/10/2006 RFAAP notifies EPA and DEQ that Interim Measures are to be performed at Building 4343 consistent with the approved RFI/CMS.
- 03/06/2006 RFAAP provides SWMU 54 information per EPA request of 02/27/2006.
- 02/27/2006 EPA requests information from SWMU 54 studies.
- 02/22/2006 EPA responds to RFAAP letter of 01/11/2005 NRU Investigation Report: Rail Yard Remedial Investigation, Draft Document, October 2004. Approves remaining item on RFAAP 01/11/2005 response.
- 02/10/2006 RFAAP requests 60 day extension to respond to EPA letter of 12/15/2005 in re SWMU 40/71 RFI/CMS Report, Draft Document, December 2004.
- 01/27/2006 EPA responds to RFAAP letter of 11/28/2005 in re Site Screening Process Report for SWMUs 13, 37, 38, 46, 57, 68, 69 and AOCs A, F, Q Draft, September 2004. Approves proposal to conduct additional work.
- 01/26/2006 EPA responds to RFAAP letter of 01/11/2005 NRU Investigation Report: Rail Yard Remedial Investigation, Draft Document, October 2004. Approves RFAAP 01/11/2005 response with one exception.
- 01/11/2006 RFAAP responds to EPA letter of 04/25/2005 in re NRU Investigation Report: Rail Yard Remedial Investigation, Draft Document, October 2004.
- 12/15/2005 EPA responds to RFAAP letter of 11/22/2005 letter in re SWMU 40/71 RFI/CMS Report, Draft Document, December 2004
- 12/14/2005 RAB meeting held.
- 12/14/2005 RFAAP submits the SWMU 31 RCRA Facility Investigation Report, Draft Document, November 2005.
- 11/29-12/01/2005 EPA and DEQ site visit to Radford AAP in re groundwater strategy.
- 11/28/2005 RFAAP responds to EPA letter of 11/09/2005 in re Site Screening Process Report for SWMUs 13, 37, 38, 46, 57, 68, 69 and AOCs A, F, Q Draft, September 2004.
- 11/22/2005 RFAAP responds to EPA letter of 11/09/2005 in re SWMU 40/71 RFI/CMS Report, Draft December 2004.

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 11/09/2005 EPA sends formal comments on RFAAP email of 08/25/2005 in re proposed sampling plan to address EPA/DEQ comments on the Site Screening Process Report for SWMUs 13, 37, 38, 46, 57, 68, 69 and AOCs A, F, Q Draft, September 2004.
- 11/09/2005 EPA sends formal comments on RFAAP email of 08/25/2005 in re proposed sampling plan to address EPA/DEQ comments on the SWMU 40/71 RFI/CMS Report, Draft Document, December 2004.
- 09/22/2005 Meeting at EPA in Philadelphia to discuss groundwater strategy at Radford AAP.
- 09/15/2005 RAB meeting held.
- 08/25/2005 RFAAP submits Current Conditions Report Horseshoe Area, Draft Document, August 2005 as the culmination of the contractor's effort on Work Plan Addendum 9.
- 08/25/2005 RFAAP submits (via email) a sampling plan to address EPA/DEQ comments on the SWMU 40/71 RFI/CMS Report, Draft Document, December 2004.
- 08/25/2005 RFAAP submits (via email) a sampling plan to address EPA/DEQ comments on the Site Screening Process Report for SWMUs 13, 37, 38, 46, 57, 68, 69 and AOCs A, F, Q Draft, September 2004.
- 07/25/2005 RFAAP submits No Further Action Decision Documents for SWMUs 8 and 36 based on the assessments and evaluations from the Soil Screening Report, Final Document, January 2004.
- 07/13-14/2005 USAEC (and their contractor, CALIBER), EPA, DEQ and Baltimore District met at RFAAP for Performance Based Contracting assessment of the RFAAP Installation Restoration Program.
- 06/24/2005 RFAAP resubmits SWMU 39 RFI/CMS Report, Final Document, June 2005 per EPA correspondence of 06/06/2005.
- 06/16/2005 RAB site tour of Building 4343.
- 06/16/2005 Conference call to discuss EPA/DEQ comments on the SWMU 39 RFI/CMS, NRU Rail Yard RI and SSP Reports.
- 06/06/2005 EPA approves the SWMU 39 RFI/CMS.
- 06/06/2005 DEQ comments on SWMU 40/71 RFI/CMS Report, Draft Document, December 2004.
- 06/01/2005 RFAAP responds to EPA's 03/07/2005 letter and DEQ's 03/29/2005 letter in re Site Screening Process Report for SWMUs 13, 37, 38, 46, 57, 68, 69 and AOCs A, F, Q Draft, September 2004.
- 05/12/2005 EPA provides draft comments on SWMU 40/71 RFI/CMS Report, Draft Document, December 2004.

<p style="text-align: center;">RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE</p>
--

- 05/03/2005 RFAAP requests an extension to respond to EPA's 03/07/2005 letter in re Site Screening Process Report for SWMUs 13, 37, 38, 46, 57, 68, 69 and AOCs A, F, Q Draft, September 2004.
- 05/03/2005 RFAAP responds to EPA's 04/29/2005 letter in re SWMU 39 RFI/CMS Report, Final Document, October 2004.
- 05/02/2005 EPA replies to RFAAP email of 04/29/2005 to let work move forward without utilizing PROUCL.
- 04/29/2005 RFAAP requests guidance on the use of PROUCL methodology for a list of reports being prepared from previously approved work plans that did not it.
- 04/27 – 28/2005 RFAAP FY06 Installation Action Plan Workshop is held.
- 04/25/2005 EPA responds to 03/15/2005 letter in re NRU Investigation Report: Rail Yard Remedial Investigation, Draft Document, October 2004. (RFAAP did not receive this letter until 12/14/2005)
- 04/25/2005 EPA responds to 03/15/2005 letter in re SWMU 39 RFI/CMS Report, Final Document, October 2004.
- 03/29/2005 DEQ comments on the Site Screening Process Report for SWMUs 13, 37, 38, 46, 57, 68, 69 and AOCs A, F, Q Draft, September 2004.
- 03/17/2005 RAB meeting held.
- 03/15/2005 RFAAP responds to 02/09/2005 EPA comments on SWMU 39 RFI/CMS Report, Final Document, October 2004.
- 03/15/2005 RFAAP responds to 12/22/2004 EPA comments and 02/15/2005 DEQ comments on the NRU Investigation Report: Rail Yard Remedial Investigation, Draft Document, October 2004.
- 03/07/2005 EPA comments on the Site Screening Process Report for SWMUs 13, 37, 38, 46, 57, 68, 69 and AOCs A, F, Q Draft, September 2004.
- 02/15/2005 DEQ comments on the NRU Investigation Report: Rail Yard Remedial Investigation, Draft Document, October 2004.
- 02/11/2005 RFAAP requests an extension to respond to 12/22/2004 EPA comments on the NRU Investigation Report: Rail Yard Remedial Investigation, Draft Document, October 2004.
- 02/09/2005 EPA comments on SWMU 39 RFI/CMS Report, Final Document, October 2004.
- 01/07/2005 RFAAP submits the SWMU 40/71 RFI/CMS Report, Draft Document, December 2004.
- 12/22/2004 EPA comments on the NRU Investigation Report: Rail Yard Remedial Investigation, Draft Document, October 2004.
- 12/16/2004 RAB meeting held.

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 12/09/2004 DEQ approves SWMU 39 RFI/CMS Report, Final Document, October 2004.
- 11/10/2004 RFAAP submits the Site Screening Process Report for SWMUs 13, 37, 38, 46, 57, 68, 69 and AOCs A, F, Q Draft, September 2004.
- 10/25/2004 RFAAP resubmits the SWMU 39 RFI/CMS Report, October 2004 as a final document with responses to 09/08/2004 EPA comments and 05/28/2004 DEQ comments.
- 10/25/2004 RFAAP resubmits 2005 Installation Action Plan. In September 2004 USAEC requested it reflect the outcome of the July 1, 2004 RFAAP Program Review Briefing.
- 10/22/2004 RFAAP submits the NRU Investigation Report: Rail Yard Remedial Investigation, Draft Document, October 2004.
- 10/11-15/2004 URS installs additional temporary wells at SWMU 54.
- 09/16/2004 Shaw completes work on NRU Additional Characterization Sampling: Work Instructions.
- 09/10/2004 RFAAP submits SWMU 58 No Further Action to EPA, DEQ, USACHPPM and USAEC.
- 09/08/2004 EPA comments on SWMU 39 RFI/CMS Report, Draft Document, April 2004.
- 08/25/2004 URS completes first phase of work on the SWMU 54 Additional Characterization Sampling: Work Instructions.
- 08/19/2004 RAB meeting held.
- 08/19/2004 RFAAP submits the 2005 Installation Action Plan.
- 08/17/2004 URS mobilizes at RFAAP to begin work on the SWMU 54 Additional Characterization Sampling: Work Instructions.
- 08/16/2004 EPA approves the Bldg. 4343 RFI/CMS report.
- 08/04/2004 RFAAP sent DEQ and EPA a CD of final documents.
- 07/26/2004 RFAAP resubmits the Bldg. 4343 RFI/CMS Report with response to EPA comments.
- 07/23/2004 Shaw completes first phase of work on NRU Additional Characterization Sampling: Work Instructions.
- 07/16/2004 RFAAP resubmits SWMU 54 Additional Characterization Sampling: Work Instructions with response to EPA comments.
- 07/12/2004 Shaw mobilizes at RFAAP to begin work on NRU Additional Characterization Sampling: Work Instructions.
- 06/25/2004 EPA comments on the Bldg. 4343 RFI/CMS Report.

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 06/10/2004 EPA approves NRU Additional Characterization Sampling: Work Instructions.
- 06/03/2004 DEQ approves NRU Additional Characterization Sampling: Work Instructions.
- 05/28/2004 DEQ comments on SWMU 39 RFI/CMS Report.
- 05/24/2004 EPA comments on SWMU 54 Additional Characterization Sampling: Work Instructions
- 05/24/2004 EPA approves SWMU 58 RFI Report.
- 05/21/2004 RFAAP submits an additional copy of the NRU Additional Characterization Sampling: Work Instructions with response to EPA and DEQ comments.
- 05/10/2004 DEQ approves SWMU 54 Additional Characterization Sampling: Work Instructions.
- 05/07/2004 RFAAP submits SWMU 39 RFI/CMS Report, Draft Document, April 2004..
- 05/06/2004 Restoration Advisory Board meeting held.
- 05/03/2004 EPA approves Soil Screening Report for SWMUs 8 and 36.
- 04/28-29/2004 Radford AAP FY05 Installation Action Plan Workshop held.
- 04/21/2004 EPA comments on NRU Additional Characterization Sampling: Work Instructions.
- 04/15/2004 Fieldwork completed for WPA 17 and 18.
- 03/30/2004 DEQ approves WPA 18.
- 03/29/2004 Fieldwork starts on WPA 17 and 18.
- 03/25/2004 DEQ comments on NRU Additional Characterization Sampling: Work Instructions.
- 03/19/2004 RFAAP submits SWMU 54 Additional Characterization Sampling: Work Instructions.
- 03/04/2004 RFAAP resubmits revised Bldg 4343 RFI/CMS Report as a final report with response to EPA comments.
- 03/01/2004 EPA approves WPA 17.
- 02/20/2004 RFAAP submits HWMU 5 and 7 closure plan amendments.
- 02/11/04 EPA approves the Master Work Plan and WPA 18.
- 02/06/04 RFAAP resubmits Soil Screening Report, SWMUs 8 and 36, Final with response to EPA comments.
- 02/02/04 EPA comments on WPA 17.

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 01/27/04 RFAAP submits NRU Additional Characterization Sampling: Work Instructions.
- 01/15/2004 RAB meeting held.
- 01/14/2004 EPA comments on the Bldg. 4343 RFI/CMS report.
- 01/07/04 RFAAP resubmits WPA 17 and 18.
- 01/06/04 RFAAP submits SWMU 58 RFI Report certification.
- 12/23/03 RFAAP resubmits SWMU 58 RFI Report.
- 12/11/03 EPA comments on Soil Screening Report, SWMUs 8 and 36.
- 12/08/03 EPA comments on WPA 18.
- 12/01/03 DEQ approves Building 4343 Corrective Measures Study.
- 11/25/03 Prepared Building 4343 Fact Sheet and distributed to the RAB, website and information repository.
- 11/05/2003 RFAAP requests an extension until 01/09/2004 to revise and submit SWMU 58 RFI Report.
- 10/30/2003 RFAAP submits Building 4343 RFI/CMS report to EPA and DEQ.
- 10/14/2003 RFAAP submits 2004 Installation Action Plan.
- 10/07/2003 DEQ approves WPA 18
- 09/25/2003 RAB meeting held.
- 09/18/2003 EPA comments on SWMU 58 RFI Report.
- 09/25/2003 RAB meeting held.
- 09/08/2003 EPA approves WPA 16.
- 09/05/2003 RFAAP submits Work Plan Addendum 18 RCRA Facility Investigation at SWMU 41
- 09/04/2003 RFAAP submits Draft Soil Screening Report, SWMUs 8 and 36, August 2003 and resubmits Final Master Work Plan, August 2003.
- 08/28/2003 DEQ approves WPA 16 and the Bldg 4343 RFI Report.
- 08/07/2003 RFAAP submits revised WPA 16 with responses to EPA comments.
- 08/05/2003 DEQ approves SWMU 58 RFI Report.
- 08/01/2003 RFAAP provides an updated response to EPA comments on the Building 4343 RFI Report.
- 07/18/2003 RFAAP submits Work Plan Addendum 17, SWMU 51 RCRA Facility Investigation.

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 07/15/2003 Held conference call among RFAAP, DEQ, FWS and Shaw representatives to resolve comments on the Bldg 4343 RFI.
- 07/14/2003 Held conference call among RFAAP, FWS, CENAB, Shaw and URS representatives to attempt to resolve BTAG comments on the Bldg 4343 RFI and the MWP.
- 06/27/2003 RFAAP responds to EPA comments on the Building 4343 RFI Report.
- 06/26/2003 RFAAP responds to DEQ comments on the Building 4343 RFI Report.
- 06/16/2003 EPA sends review comments on WPA 16.
- 06/09/2003 EPA sends review comments on the Building 4343 RFI Report.
- 06/01-30/2003 Completed FY03 third quarter procurement actions. Completed Army Cost -To-Complete database update.
- 05/28/2003 Held conference call to discuss EPA concerns with the draft Building. 4343 RFI report.
- 05/22/2003 Held RAB meeting and site tour of Horseshoe Area.
- 04/30-05/01/2003 Held Radford AAP IAP workshop.
- 04/21/2003 DEQ approves Work Plan Addendum 15.
- 04/14-18/2003 Sampling begins and finishes for Work Plan Addendum 15.
- 04/14/2003 EPA approves Work Plan Addendum 15.
- 04/02/2003 DEQ sends review comments on the Building 4343 RFI Reprot.
- 04/01/2003 Submitted SWMU 58 RFI Report to EPA and DEQ.
- 03/31/2003 Submitted revised Work Plan Addendum 15 with responses to EPA comments dated 03/10/2003.
- 03/21/2003 RAB meeting held.
- 03/05/2003 Submitted Field Investigation Report and Risk Assessment for HWMUs 5 and 7 to DEQ and EPA.
- 03/05/2003 Submitted Work Plan Addendum 16, Site Screening Process for SWMUs 13, 37, 38, 46, 57, 68, 69, 75, 76 and Areas of Concern A, F, Q to EPA and DEQ
- 02/25/2003 Submitted Building 4343 RFI report to EPA and DEQ.
- 12/20/2002 Submitted Work Plan Addendum 15 to EPA and DEQ for review.
- 12/6/2002 Submitted final Work Plan Addendum 13 report covers.
- 11/13-14/2002 Radford AAP Program Manager and COE Project Manager attend DERP workshop in Baltimore, MD.

<p style="text-align: center;">RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE</p>
--

- 11/14/2002 EPA approves Work Plan Addendum 12.
- 11/13/2002 EPA approves Work Plan Addendum 9.
- 11/12/2002 Field mobilization in support of Work Plan Addenda 13 and 14 begins.
- 11/5/2002 DEQ approves Work Plan Addenda 13 and 14.
- 11/1/2002 Submitted 2003 Installation Action Plan and final SWMU 6 Decision Document to EPA and DEQ.
- 10/24/2002 DEQ approves SWMU 6 Decision Document.
- 10/10/2002 EPA approves Work Plan Addenda 13 & 14.
- 10/9/2002 Submitted final covers to EPA and DEQ for Master Work Plan, and Work Plan Addenda 9 and 12. EPA approves SWMU 6 Decision Document.
- 9/22/2002 DEQ approves Master Work Plan.
- 9/19/2002 RAB meeting/site tour of Horseshoe Area and demonstration of geophysical techniques.
- 9/11/2002 Revised Work Plan Addenda 13 & 14 and submitted to EPA and DEQ.
- 8/23/2002 Field investigation in support of Work Plan Addenda 9 and 12 completed.
- 8/22/2002 Conference call with the USEPA and DEQ to discuss and resolve comments received for Work Plan Addenda 13 and 14.
- 7/25/2002 Received remaining regulator comments for the Work Plan Addendum 14.
- 7/22/2002 Received remaining regulator comments for the Work Plan Addendum 13.
- 7/18/2002 RAB meeting/site tour of New River Unit areas and demonstration of soil sampling techniques.
- 7/10/2002 Revised Master Work Plan (w/ Regulator comments incorporated) submitted to EPA and DEQ. Provided response to comments for Work Plan Addenda 9 and 12.
- 6/10/2002 Field investigation in support of Work Plan Addenda 9 and 12 begins.
- 5/22/2002 EPA approves initiation of field work to implement Work Plan Addenda 9 and 12
- 5/16/2002 RAB meeting held.
- 5/6/2002 RFAAP submitted SWMU 6 Decision Document.
- 4/12/2002 RFAAP submitted Work Plan Addenda 13 and 14.
- 03/21/2002 RAB meeting held.
- 2/15/2002 RFAAP submitted Work Plan Addenda 9 and 12.

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 2/14/2002 EPA approves the Facility-Wide Background Study Report.
- 2/11/2002 EPA approves the Site Screening Process.
- 2/8/2002 RFAAP submitted revised Master Work Plan to update the 1997 version.
- 1/29/2002 DEQ approves the Facility-Wide Background Study Report and Work Plan Addendum 9.
- 1/24/2002 RAB meeting held.
- 12/20/01 RFAAP submitted Final Background Study report to EPA and DEQ.
- 11/29/2001 RAB meeting held.
- 11/14 & 11/15/01 Held teleconference with EPA and DEQ to resolve remaining WPA 12 comments. EPA BTAG teleconference in scheduled for 12/3/01.
- 11/7/01 Received response from DEQ to Army Response to Comments submitted on 10/18/01.
- 10/31/01 Received comments from DEQ on WPA 9. Army is working on responses.
- 10/18/01 Submitted Response to Comments to DEQ on WPA 12.
- 9/20 & 9/21/01 Held teleconference with EPA and DEQ to resolve comments on Work Plan Addendum 12. Final resolution of comments is pending a EPA BTAG meeting to be scheduled ASAP.
- 9/10/01 DEQ issued comments/response on Background Study report which incorporated the information from the 7/17/2001 meeting minutes. EPA concurred with these comments. Army is working on final report.
- 9/10/01 DEQ issued comments on Work Plan Addendum 12. Army received them 9/19/2001.
- 8/14/01 Submitted Response to Comments to EPA on WPA 9.
- 7/23/01 Received final EPA comments on WPA 9.
- 7/19/2001 RAB meeting held.
- 7/17/01 Meeting held at DEQ to resolve comments on Background Study report.
- 7/13/01 RFAAP submits final draft of the Site Screening Process document.
- 6/21/01 Received draft EPA comments on WPA 9.
- 6/12/01 Received approval of final SWMU 6 Sampling Report
- 5/17/2001 RAB meeting held.
- 5/16-5/17/01 Held RFAAP IAP workshop.
- 5/11/01 Submitted final SWMU6 Sampling Report to EPA.

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 5/11/01 Delivered draft Current Conditions Report to EPA and DEQ.
- 5/11/01 Delivered draft Work Plan Addendum 012 Site Characterization Work Plan EPA and DEQ.
- 5/4/01 Responded to EPA and DEQ comments on the draft Facility-Wide Background Study Report.
- 5/01 Continued preparation of updated Master Work Plans, Work Plan Addendum 013 (SWMU 54), and Work Plan Addendum 014 (SWMU 40/71).
- 4/30-5/5/01 Performed background geophysical and topographic survey fieldwork tasks at SWMU 40/71 and SWMU 54.
- 4/10/01 Delivered draft Work Plan Addendum 009 SWMU 31 and Horseshoe Area Groundwater Study to EPA and DEQ.
- 4/5/01 Kickoff meeting for RFI/CMS efforts at SWMUs 40/71 and SWMU 54 with representatives from RFAAP, USACE, URS, and URS's subcontractors.
- 4/2/01 DEQ Background Study Report comments received by RFAAP.
- 3/20/01 Held conference call with DEQ and USEPA relative to DEQ comments on the Background Study Report.
- 3/15/2001 RAB meeting held.
- 2/28/01 Received DEQ Comments on SWMU 6 Sampling Report
- 2/23/01 Informed EPA and DEQ that a new area of concern has been identified in the area of HWMU 5.
- 2/9/01 RFAAP submitted Background Study Report to EPA for review and approval.
- 1/26/01 RFAAP submitted SWMU 6 Sampling Report to EPA for review and approval.
- 1/18/2001 RAB meeting held.
- 12/15/00 Commenced development of the SWMU 6 Sampling Report.
- 12/8/00 Coordinated transport and disposal of SWMU 6 IDM as non-hazardous waste.
- 12/1/00 Commenced development of the facility-wide background study report to assess the native concentrations of metals in the Main Manufacturing Area and New River Unit.
- 11/27 – 12/1/00 Received SWMU 6 TCLP data from analytical laboratory. Reviewed data packages for completeness and accuracy. Waiting on reactivity analyses to complete waste characterization. Available data indicates that wastes will be characterized as non-hazardous.

RADFORD ARMY AMMUNITION PLANT IRP STATUS REPORT UPDATE

- 11/17-11/20/00 Conducted a supplementary spring survey in conjunction with the Regional Groundwater Study to locate springs when the river was lowered an additional five feet. Measured bedrock strike and dip, fracture orientation, and faulting to complete site geologic information. Results of this effort will be incorporated into the current conditions and augment the understanding of groundwater hydrogeology within the Horseshoe Area.
- 11/13 – 11/17/00 Published Final Work Plan Addendum No. 11 incorporating EPA Region III and DEQ comments based on 10/26/00 meeting. Implemented SWMU 6 field investigation program. Field activities accomplished – completion of 12 Geoprobe borings to depths of 20 to 28 feet, collecting composite TCLP samples for waste characterization and discrete samples for RBC screening analyses, and obtaining GPS horizontal coordinates for borings. Field and analytical data will be incorporated into SWMU 6 Sampling Report.
- 11/16/00 RAB meeting held.
- 10/23-10/27/00 Selected potential upstream and downstream locations for placement of river gauges in conjunction with regional groundwater study. Conducted a site reconnaissance to evaluate existing springs and seeps during low river flow.
- 10/26/00 Met with EPA Region III and DEQ to discuss SWMU 6 sampling plan details. Sampling effort scheduled to start 11/13/00.
- 9/29/00 Completed background study field activities associated with the sampling and collection of surface and subsurface soil samples in the Main Manufacturing Area and the New River Unit.
- 8/28/00 Mobilized field activities in support of the background study. Commenced investigative activities at the New River Unit.
- 8/10/00 Presented background study strategy to EPA Region III for review and comment. Received EPA approval to initiate background study field activities.
- 7/24/00-8/04/00 Continued groundwater data evaluation in support of the groundwater study. Refined background study presentation to ensure statistical data issues were adequately resolved.
- 7/20/00 Met with RAB to introduce Virginia Department of Environmental Quality participants, discuss RAB community co-chair, Installation Action Plan workshop, project status update, RAB membership, and the next meeting schedule.
- 7/7/00-7/21/00 Developed draft background study presentation to identify sample locations, location rationale, and the number of samples proposed for collection at the Main Manufacturing Area and the New River Unit.
- 6/27/00-6/29/00 Proposed background soil sampling locations to the Army and ACE. Ground-truthed the proposed locations to ensure they would be representative of areas that either reflect native conditions or conditions that have been minimally impacted by previous facility operations.
- 6/13/00-6/15/00 Continued the fracture trace photolineament and river profile studies in support of the regional groundwater study survey.

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 6/1/00 Commenced activities on background study services procured by the Army. Evaluated project information to identify preliminary background sample locations.
- 5/24/00 Commenced evaluation of Horseshoe Area quarterly groundwater data.
- 5/18/00 RAB meeting held.
- 5/18/00 Participated in a site reconnaissance with the EPA RCRA manager and toxicologist to familiarize them with the site and discuss permit reauthorization procedures. Met with the RAB to discuss regional groundwater conditions and permitting activities.
- 5/8/00-5/11/00 Continue fracture trace verification. Commenced river profile work. Transects were established to measure bottom profiles and flow rate during normal river levels. Completed spring survey.
- 4/17/00-4/20/00 Completed initial water elevation survey in the Horseshoe Area. Commenced fracture trace survey. Continued spring survey.
- 4/00 Developing draft hydrogeologic setting based on the current data. The hydrogeologic setting will be refined as data interpretation activities progress.
- 3/27/00-3/29/00 Began a survey to identify springs and seeps. Verified thermal flyover signatures associated with groundwater discharge points.
- 3/16/00 RAB meeting held.
- 3/16/00 Met with Army, USACE, and USEPA to discuss the regional groundwater study and WPA9. Conducted a site reconnaissance to orient the USEPA hydrogeologist with the site.
- 2/00 Finished SWMU 54 data inventory assessment and retrieved missing data from contract laboratory.
- 1/00 Finalized background study design elements and presented to USEPA. Coordinated SWMU 54 data inventory assessment activities with the Army and USACE.
- 1/17/00-1/19/00 Obtained GPS map coordinates for samples previously collected at the Northern Burning Ground, Western Burning Ground, and Building 4343.
- 12/14/99 Performed thermal flyover at the Installation to identify underground springs and seeps to assist in the characterization of groundwater flow within the Horseshoe Area.
- 12/07/99 Met with the Army, USEPA, and USACE to discuss a background study approach that would be scientifically defensible. Came to consensus on the study design and the minimum number of samples required to achieve a specified precision and confidence level.
- 12/01/99 Received response to comments from USEPA on the statistical inorganic background study outline.

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 12/99 Submitted WPA Addendum 9 to the Army, USEPA, and Commonwealth of Virginia for review and approval. Submitted acronym list to Katie Phillips for review. Submitted photographs taken during field activities to be included on the web page, as appropriate.
- 11/30/99 Received response to comments from USEPA on the Draft Screening Ecological Risk Assessment.
- 11/06/99 Provided third-party audit oversight for the completeness inventory of SWMU 54 Level 4 data. Coordinated project activities with the Army and USACE to ensure data integrity and completeness.
- 11/04/99 RAB meeting held.
- 11/99 Assisted the Army in designing a statistical inorganic background strategy to address facility-wide inorganic concentrations. A copy of the outline was provided to USEPA for review and approval.
- 10/04/99-10/08/99 Completed additional borings at Building 4343 and Western Burning Grounds.
- 09/27/99 Met with Army and USEPA to discuss updated screening procedures for sites that may not require any further action. USEPA proposed the use of a screening document being developed at another installation. Upon receipt of the approved document, the Army will determine which portions will be adopted to address RFAAP site-specific activities.
- 09/16/99 RAB meeting held.
- 09/13/99-09/17/99 Site restoration activities at the Western Burning Ground.
- 09/06/99-09/10/99 Reevaluated investigation strategy at Building 4343. Begin revisions to Work Plan Addendum 9.
- 09/01/99-09/03/99 Reviewed Northern Burning Ground pre-characterization data.
- 09/99 Commenced development of Work Plan Addendum 9 for additional characterization at SWMUs 31, 48, and 49 and the regional groundwater study evaluation within the Horseshoe Area. Submitted Draft Screening Ecological Risk Assessment document to Army, USEPA, and the Commonwealth of Virginia for review and approval.
- 08/06/99-08/20/99 Collected additional pre-characterization samples at the Northern Burning Ground to focus delineation of hot spots. Collected remaining wipe samples at Building 4343. Backfilled the Western Burning Ground.
- 08/09/99-08/13/99 Geoprobe borings at Building 4343 to delineate extent of contamination. Geoprobe borings in Western Burning Ground berms.
- 08/03/99-08/06/99 Commenced data validation activities.
- 07/22/99 RAB meeting held.
- 07/19/99-07/30/99 Soil load out at the Western Burning Ground.

**RADFORD ARMY AMMUNITION PLANT
IRP STATUS REPORT UPDATE**

- 06/28/99-07/01/99 Continued investigative work at the Western Burning Ground. Coordinated the removal of investigative-derived waste with the installation.
- 06/21/99-06/25/99 Commenced subsurface characterization at the Western Burning Ground.
- 06/14/99-06/18/99 Cleared and grubbed Western Burning Ground. Performed site reconnaissance activities for regional groundwater evaluation of the Horseshoe Area.
- 06/03/99 Delivery to Army of revised Draft WPA 008.
- 05/24/99-05/27/99 Mobilized field activities. Collected surface water/sediment samples at the Western Burning Ground. Collected interior swipe samples at Building 4343. Collected subsurface soil, ditch, and sump samples at Building 4343. Collected sinkhole and confirmatory soil samples at the Northern Burning Ground. Advanced initial pre-characterization soil borings at the Northern and Western Burning Grounds for waste characterization.
- 05/20/99 RAB meeting held.
- 05/19/99 Submitted to EPA Region III response to comments on WPA 008. Approval from EPA Region III to commence initial field activities.
- 05/17/99 Receipt of comments from EPA Region III on Draft WPA 008.
- 03/18/99 RAB meeting held.
- 03/08/99 Delivery to the Army of Draft WPA 008.
- 03/02/99 Responded to comments and began revision for development of Draft WPA 008.
- 02/26/99 Receipt of comments from Army and ATK on Interim Draft WPA008.
- 02/12/99 Delivery to the Army of Interim Draft Work Plan Addendum 008 (WPA 008) for site-specific activities at the Northern and Western Burning Grounds and Building 4343.
- 01/21/99 RAB meeting held.
- 11/12/98 RAB meeting held.
- 08/12/98 RAB meeting held.
- 06/16/98 RAB meeting held.