

Radford Army Ammunition Plant Regulatory Programs Overview

The Radford Army Ammunition Plant, located in Radford, Virginia, produces rocket and gun propellants and other materials. The plant was built in the 1940s by Hercules Powder Company (acquired by ATK in 1995) to support military ammunition requirements during World War II. Today, the plant is operated by BAE Systems and is the only US active full-spectrum military propellant manufacturing center. As a manufacturing facility, the plant is subject to the requirements of federal and state environmental statutes and regulations. This Fact Sheet provides general information about the purpose and scope of the regulatory programs to better inform citizen stakeholders.

General Regulatory Program Information

[Air Protection Programs](#)

Under the provisions of the Clean Air Act (CAA), air quality permits are issued to industries and facilities that emit regulated pollutants to ensure that these emissions do not harm public health or cause significant deterioration in areas that have clean air. The DEQ is authorized for the administration of the air permitting program in Virginia.

[Land Protection Programs](#)

Solid and hazardous wastes are regulated by the DEQ, which is authorized to administer the programs created by the federal Resource Conservation and Recovery Act (RCRA), Comprehensive Environmental Response Compensation and Liability Act (CERCLA), and the Virginia Waste Management Act.

[Water Protection Programs](#)

Section 402 of the Clean Water Act (CWA) established the National Pollutant Discharge Elimination System to limit pollutant discharges into streams, rivers and bays. In Virginia, DEQ is authorized to administer the VPDES permitting program and requires a permit for all point source discharges to surface waters.

[Underground Storage Tanks](#)

The DEQ implements the Underground Storage Tank (UST) program under Article 9 of the State Water Control Law.

The regulations notification, operation, and maintenance, recordkeeping and reporting and correction actions.

State Monitoring Programs

The State Water Control Law mandates the protection of existing high-quality state waters and provides for the restoration of all other state waters so they will permit reasonable public uses and will support the growth of aquatic life. The DEQ's [Water programs](#) operate several water monitoring programs to help develop water quality standards to accomplish this goal.

Public Participation

DEQ programs contain public participation requirements and guidelines to involve the public in DEQ's regulatory and program implementation decisions. DEQ publishes notices for regulatory actions, permit actions, policy development and other actions on the following pages:

[Air Notices](#)

[Land Protection Notices](#)

[Water Division Notices](#)

This Fact Sheet is located at www.deq.virginia.gov/ConnectWithDEQ/EnvironmentalInformation/RadfordArmyAmmunitionPlant.aspx as well as a calendar of regulatory deadlines and links to relevant documents.



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ACTIVITY	UNIT	MECHANISM	LEAD AGENCY/PROGRAM	STATUTE/REGULATIION
Storage and incineration of waste propellants	Incinerator	· Title V Permit 20656 · RCRA Permit	DEQ Air Permitting DEQ Waste Permitting	CAA and Hazardous Waste Combustor MACT RCRA, 40 Code of Federal Regulations (CFR) 260-270 and 9 VAC 20-60 et. seq.
Open burning of waste propellants	Open Burning Ground (OBG) (HWMU 13)	RCRA Permit	DEQ Waste Permitting	RCRA, 40 CFR 260-270 (including Part 264 subpart X)
Inactive waste disposal sites (post-closure care)	Post-closure care of HWMUs 5, 7, 10 and 16	RCRA Permit	DEQ Waste Permitting	RCRA 40 CFR 260-270
Investigation and remediation at historical land- based units	Historical solid waste management units	HSWA Corrective Action Permit	DEQ Waste	Hazardous and Solid Waste Act (HSWA) - Corrective Action Section 3004(u)
Active CDD (Construction Demolition and Debris) landfill Closed industrial and sanitary landfills	Solid waste landfills	· SWP 433 (CDD) · SWP 353 (ILF) · SWP 401 (SLF)	DEQ Solid Waste Permitting	Virginia Solid Waste Management Act 9 VAC 20-81 et. seq.
Petroleum storage	Five (5) underground storage tanks (UST) Nine (9) Aboveground storage tanks (AST)	· Notification and registration; · Self-implementing requirements; · SPCC plan; and · ODCP	DEQ Petroleum Program	USTs : RCRA Subtitle I, Virginia Water Control Law , 9 VAC 25-580 et. seq. ASTs : CWA, 40 CFR 112, 9 VAC 25-91 et. seq.
Process wastewater/stormwater discharges	18 Outfalls	VPDES Permit VA0000248	DEQ Water Permitting	CWA Section 402 Virginia Water Control Law
Air emissions	Powerhouse, boiler, acid and acid recovery, solvent recovery, fabric filters wastewater treatment processes, and others (see permit)	· Registration · Title V Permit 20656 · New Source Review (NSR) Permits	DEQ Air Permitting Department of Labor & Industry (Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP))	Clean Air Act (CAA) Maximum Achievable Control Technology Standards (MACTs): Military, Boiler, Commercial and Industrial Solid Waste Incineration Asbestos NESHAP
STATE WATER PROGRAMS				
Watershed monitoring	Ambient Water Quality	Monitoring across the state	DEQ Water Quality Monitoring Program	CWA Sections 303 and 305 VA Water Quality Monitoring Info and Restoration Act Virginia Code Article 1, Section 62.1-44.19:5
Statistical surveys	Probabilistic Monitoring	Monitoring at randomly selected sites	DEQ Water Quality Monitoring Program	CWA Sections 303 and 305 Virginia Code Article 1, Section 62.1-44.19:5
Targeted development on impaired water segments	TMDL Development	Impaired waters including the New River	DEQ Water Quality Monitoring Program	CWA Section 303 and 305
Periodic monitoring for PCBs	Fish Tissue/Sediment Monitoring	May include the New River when funding available	DEQ Fish Tissue and Sediment Contaminants Monitoring Program	CWA 106 Grant, CWA 303 and 305 VA Water Quality Monitoring Info and Restoration Act Virginia Code Article 1, Section 62.1-44.19:5

HSWA - Hazardous and solid waste amendments VAC - Virginia Administrative Code CFR - Code of Federal Regulations VPDES - Virginia Pollutant Discharge Elimination System

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