

Pollution Prevention Regulations and Policies

The following table provides direct legal and policy drivers that require the implementation of Brookhaven National Laboratory's Pollution Prevention Program and its elements.

Function	Driver	Effect
Federal Procurement Guidelines	Resource Conservation and Recovery Act (RCRA) 40 CFR 247	Requires procurement of recovered materials by federal facilities and contractors
Hazardous Waste Generator Manifest Certification	RCRA 40 CFR 262, 264-265	Requires generator to put in place a hazardous waste minimization program
Hazardous Waste Generator Biennial Report Certification	RCRA 40 CFR 262, 264-265	Requires generator to put in place a hazardous waste minimization program
Hazardous Waste Part B Permit Conditions	RCRA 40 CFR 270	Requires generator to put in place a hazardous waste minimization program
Toxic Release Inventory Reporting	Emergency Planning and Community Right-to-Know Act (EPCRA) 40 CFR 372	Establish reporting requirements for the use, storage, and on-site and off-site transfers of hazardous and toxic chemicals
National Pollution Prevention Policy	Pollution Prevention Act (PPA) 42 USC 13101	Requires federal facilities to deploy pollution prevention as the first choice in environmental management
Toxic Release Inventory Reporting	PPA 42 USC 13106	Expands EPCRA reporting requirements to include source reduction and recycling information
Clean Fuel Fleet Program	Clean Air Act (CAA) 40 CFR 88	Requirement to meet clean-fuel fleet vehicle emissions standards
Protection of Stratospheric Ozone	CAA 40 CFR 82	Phase-out of CFCs, halons, and carbon tetrachloride; limit on emissions of ozone-depleting substances during the servicing, use and disposal of equipment containing those substances
Radiation Protection Programs	10 CFR 835	Requires the establishment of goals and performance indicators for the minimization of radioactive waste. It also requires a waste minimization program that will reduce the generation of radioactive waste and spread of contamination from Contamination, High Contamination or Airborne Radioactivity Areas.
Storm Water Pollution Prevention Plan	Clean Water Act (CWA) 40 CFR 122	Requires that industrial Storm water discharge facilities have an on-site pollution prevention plan

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Spill Prevention, Control, and Countermeasures Plan	CWA 40 CFR 110.112	Direct dischargers must have plans to prevent and respond to spills.
Environment, Safety, and Health Policy for DOE	DOE Order 450.1	Requires Pollution Prevention Plans, Annual Waste Reduction Reports, and a Pollution Prevention Awareness Program
Radioactive Waste Management	DOE Order 435.1	Requires Waste Management Plans including actions to minimize radioactive waste generation. Requires each DOE LLW generator preparing a design for a new process or process change to incorporate principles into the design that will minimize the generation of LLW.
Federal Fleet and Transportation Efficiency	Executive Order (EO) EO 13149 (April 21, 2000)	Requires reductions in the amount of petroleum fuel used in federal fleet vehicles, including contractor-operated vehicles.
Leadership in Environmental Management	EO 13148 (April 21, 2000)	Requires reductions in use of specified toxic chemicals, development of environmental management systems, and environmental performance measures.
Developing and Promoting Biobased Products and Energy	EO 13134 (August 12, 1999)	Directs increased federal planning and research on biobased products and calls for demonstration projects and private sector incentives.
Efficient Energy Management	EO 13123 (June 3, 1999)	Requires energy audits, procurement of Energy Star products, purchase of electricity from renewable sources, and achievement of energy use reductions per unit floor space for federal facilities.
Waste Prevention, Recycling, and Federal Acquisition	EO 13101 (September 14, 1998)	Requires procurement of environmentally-preferable products and services and establishment of pollution prevention and recycling programs
DOE Pollution Prevention and Energy Goals	Secretary of Energy Memorandum November 12, 1999	Sets Complex-wide pollution prevention and energy efficiency goals and requires that site-specific goals be established and progress tracked.
DOE Pollution Prevention Program Guidance	DOE Pollution Prevention Program Plan, 1996	Provides contractors with specific guidance on meeting DOE HQ pollution prevention expectations.
State Pollutant Discharge Elimination System Permit	NYSDEC SPDES Permits	Limits materials that can discharged in sinks and drains, or that might otherwise enter the BNL sewage system and or permitted outfalls.
Air Releases	NYSDEC Title V	Establishes emissions limits for air releases, including radionuclides.
Conduct of Operations	DOE RL Contract DE-AC06-76RL01830	Requires that PNNL perform activities in conformance with environmental commitments, including pollution prevention.

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	SCDHS Article 12	
	NYSDEC Chemical Bulk Storage	
	NYSDEC Major Oil Storage Registration	
	NYSDEC Underground Injection Control Area Permit	
	NYSDEC Borrow Pit	
Additional Incentives for Pollution Prevention at BNL		
CERCLA Financial Liability	Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)	Generators reduce future liability by reducing waste
National Environmental Policy	National Environmental Policy Act (NEPA) 10 CFR 1021	Requires environmental review of all federal actions, including federal contractors.
National Energy Policy	Energy Policy Act	Promotes energy conservation and efficiency and promote renewable energy.
Handling and Transportation Requirements	Hazardous Materials Transportation Act (HMTA) 49 CFR 171-180	Safety requirements raise costs of handling and transporting waste
Handling Requirements	Occupational Safety & Health Act (OSHA) 29 CFR 1910	Safety requirements raise costs of handling and transporting waste