

August 2023

An Introduction to the New Hampshire Environmental Health Guide (NH-EHG)

The New Hampshire (NH) APPLETREE Program, run jointly between the NH Department of Environmental Services and the Division of Public Health Services at NH Department of Health and Human Services, and the Dartmouth Cancer Center's Community Outreach and Engagement team, have developed training resources to support local leaders that are responding to community environmental health concerns.

In November 2021 our project team met with town and legislative stakeholders to better understand the types of concerns they hear from their communities, and the resources that could be helpful to them. We identified training topic areas and assembled the following **NH Environmental Health Guide (NH-EHG)** - a table of resources designed to help legislators, city and town health officers, municipal officials, administrators, and other stakeholders find the appropriate State resource or agency to address environmental concerns raised by your community. We have also developed three recorded trainings available virtually, live and posted online:

- Training 1: "Environmental Health Resource Guide (NH-EHG) Introduction" introduces the audience to partners available to assist them (e.g., NHDES, APPLETREE, DHHS), and reviews an example of how to use the attached NH-EHG.
- Training 2: "Cancer Concerns in the Community" outlines the principles that underlie cancer cluster concern investigations and describes an approach to use if someone in the community raises a concern about excessive numbers of cancers in their neighborhood.
- Training 3: "Understanding Environmental Contamination and Risk" introduces the audience to environmental contamination, environmental health hazards, and provides information on risk communication and risk perception relative to understanding and communicating the risk of environmental contaminants.

In the **NH-EHG** that follows this memo, you will notice many of the links are the same, which is intentional and meant to lead people to the same endpoint from different starting points. The main partner resources we link to in the guide can be found below. Can't find what you need? Visit our websites for additional contact information or contact NH APPLETREE by email or phone (603-271-1417).

- NH Department of Environmental Services (NHDES)
- NH Department of Health and Human Services (NH DHHS)
- Agency for Toxic Substances and Disease Registry (ATSDR)
- NHDES Environmental Health Program (EHP)
- NH Environmental Public Health Tracking (EPHT)
- NH Health and Human Services Data Portal (DHHS)
- New Hampshire Health Officer Liaison Unit (DHHS)
- NH Health Officer and Health Officer Contact List (DHHS)
- NH Health Officers Manual (DHHS)
- NH Health Officers Association

On behalf of the project team, thank you for supporting our New Hampshire communities!

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Environmental health community concerns	Environmental health categories	Specific environmental health concerns	Resources to help you find the answers you need	Additional resources for further information	Federal and partner resources providing a broader perspective (EPA, CDC, ATSDR, NIEHS, etc.)
Air Quality	Outdoor air quality	Air quality index, air quality alerts (ozone action days)	NHDES Home and Recreation Air Quality EPA Clean Air Act NH DHHS Data Portal: Air Quality	NHDES Air ResourcesNHDES Air Data	 CDC Local Air Quality EPA Air Pollutants Table AirNow: Air Quality Data Where You Live EnviroFlash: Get Notifications about your local Air Quality
		Odors	NHDES Odors and Your HealthNHDES Fila a Complaint	NHDES Air ResourcesNHDES Health and Environment	
		Air emissions	NHDES Air Emissions Inventory NHDES PFAS Air Emission Sources NHDES Air Toxics Compliance	NHDES Air Resources	 EPA Technical Air Pollutions Resources EPA Particulate Matter (PM) Basics PurpleAir: Air Monitors to monitor your hyper-local air quality
		Wildfires	NH Daily Fire Danger Rating	NHDES Open Burning	CDC Air Quality Resources CDC Wildfire Related Resources AirNow: Fire and Smoke Map
	Indoor air quality	Radon and radon mitigation	 NH DHHS Radon Program, Publications, Contacts NH DHHS Radon Mitigation NH EPHT Radon Risk 	NHDES Air Resources	 EPA Indoor Air Quality EPA Indoor Air Quality Training Course ATSDR Radon Toxicity Course NIEHS Indoor Air Quality
		Volatile Organic Compounds (VOCs)	 NHDES Air Emissions Inventory NHDES Vapor Intrusion EPA Volatile Organic Compounds Indoor Air Quality Impact 	 NHDES Air Resources NHDES MtBE Remediation NHDES Organics in Drinking Water 	EPA Technical Overview of VOCs
		Radon testing	 NH DHHS Radon Program, Publications, Contacts NH DHHS Testing for Radon NH DHHS Radon Program: Free Test Kit 	NH DHHS Radon Program Contacts	CDC Radon TestingEPA: Radon
		Woodsmoke	NHDES Home Wood-Burning Appliances EPA Wood Smoke Resources	NHDES Air Resources NH DHHS Asthma Control Program	 EPA Wood Smoke ATSDR Asthma: Environmental Triggers of Asthma UNH Heating Your Home with Wood
Drinking water quality	Public drinking water	Regulations, oversight, and testing	 NHDES Drinking Water NHDES Public Water Systems NHDES Comparison of Public Water Service to Private Wells NH DHHS Data Portal: Drinking Water 	NHDES EHP NH EPHT Program NHDES Operational Responsibilities of Community Public Water Systems NHDES Operational Responsibilities of Transient Non-Community Public Water Systems	 EPA Public Water Systems Information EPA Water Quality Standards Academy EPA Basic Course: Key Concepts EPA Drinking Water Training
		Miscellaneous quality issues, e.g., taste, smell, color	NHDES Public Water Systems	 NHDES Secondary Drinking Water Standards NHDES EHP NH EPHT Program 	
		Infection risk, outbreaks, and testing	NHDES Public Water MonitoringNHDES Drinking Water AdvisoriesNH DHHS Data Portal: Drinking Water	NHDES Drinking Water ProgramNH DPHS Infectious Disease Surveillance	CDC Epidemiology TrainingEPA Drinking Water Webinars

•		Chemical contaminants, e.g.,	NHDES DWGB Drinking Water Fact	NHDES Drinking Water Program	EPA Well Water Contaminants and
		PFAS, arsenic, lead, TCE, NDMA, chlorine/chloramine, 1,4-dioxane	Sheets NHDES EHP Health-Related Fact Sheets NHDES Haloacetic Acids Fact Sheet NHDES PFAS Response: Home NH DHHS Lead in Drinking Water NHDES Arsenic Removal and Disposal for Public Water Systems	NHDES EHP NH EPHT Program	Their Impacts ATSDR Per- and Polyfluoroalkyl Substances (PFAS) and Your Health ATSDR ToxFAQs – Contaminant Search
		Radioactive contaminants, e.g., radon, uranium	 NHDES Radionuclides in Drinking Water NHDES Radionuclides Waste Disposal NH DHHS Data Portal: Arsenic and Uranium NH DHHS Radon Program 	NHDES EHP NH EPHT Program	 ATSDR ToxFAQs – Radon ATSDR ToxFAQs - Uranium CDC Radiation Basics
		Radioactive contaminant testing	NH DHHS Radiological Health NH DHHS Radon Program	NHDES Drinking Water ProgramNHDES Radionuclides in Drinking Water	CDC Radiation BasicsEPA Public Water Radionuclides
Drinking water quality	Private well drinking water	Home filters: point of use, point of entry, reverse osmosis, NSF standards	 Dartmouth Arsenic and You NHDES Arsenic in NH Well Water and Point of Entry/Use Filtration NHDES Be Well Informed Guide NHDES Selecting Water Treatment 	 NHDES Drinking Water Program NHDES EHP NHDES PFAS Removal Rebate Program for Private Wells NH EPHT Program 	CDC Home Water Filters and Treatment Systems
		Regulation and testing	 NHDES Comparison of Public Water Service to Private Wells NHDES Private Well Testing NH DHHS Water Testing NH DHHS Water Testing Guide 	 NHDES Drinking Water Program NHDES Be Well Informed Guide NHDES EHP NH DHHS Water Testing NH EPHT Program 	EPA Private Drinking Water Wells
		Miscellaneous quality issues, e.g., taste, smell, color Infection risk and outbreaks	 NHDES Water Testing: Private Wells NHDES Arsenic in Well Water NH DHHS Water Testing Guide NHDES Coliform Bacteria in Drinking 		CDC Epidemiology TrainingEPA Drinking Water Webinars
		Chemical contaminants: PFAS, arsenic, lead, TCE, NDMA, chlorine/ chloramine, 1,4-dioxane, and more	Water NHDES DWGB Drinking Water Fact Sheets NHDES EHP Health-Related Fact Sheets NHDES PFAS Response: Water NHDES Arsenic in Well Water NH DHHS EPHT Health Risks in Drinking Water Dartmouth Arsenic and You NH DHHS Data Portal: Drinking Water		 EPA Well Water Contaminants and Their Impacts ATSDR Per- and Polyfluoroalkyl Substances (PFAS) and Your Health ATSDR ToxFAQs – Contaminant Search ATSDR Chronic Stress and Environmental Contamination
		Chemical contaminant testing	 NHDES Private Wells NHDES Private Well Laboratory Testing NHDES Be Well Informed Guide NH DHHS Water Testing NH DHHS Water Testing Guide 		
		Radioactive contaminants: radon, uranium	 NHDES Radionuclides in Drinking Water NH DHHS Radon Program NH DHHS Water Testing NH DHHS Water Testing Guide 	NH EPHT Program NH DHHS Radon Program	 EPA Natural Radionuclides: Wells ATSDR Chronic Stress and Environmental Contamination ATSDR ToxFAQs – Radon ATSDR ToxFAQs - Uranium
		Radioactive contaminant testing	NHDES Radionuclides in Drinking Water	NHDES Drinking Water ProgramNHDES Safe Drinking Water Guide	•

		Home filters: point of use, point of entry, reverse osmosis, NSF standards	NHDES What's in Your WaterNHDES Be Well Informed Guide	 NHDES Be Well Informed Guide NHDES EHP NH DHHS Water Testing NH EPHT Program 	CDC Water Treatment Systems NSF Water Treatment Standards
Recreational water quality	Public Safety	Lakes, rivers, beaches, water quality	 NHDES Rivers and Lakes NHDES Public Beaches NHDES Watershed Beach Maps NHDES Bacteria in Surface Waters 	Surface Water Program	EPA Recreational Water Quality
		Bluegreen algae/ cyanobacteria	 NHDES Drinking Water Cyanobacteria NHDES Harmful Algal Blooms Dartmouth Ecology/Environ. Health: Cottingham Lab NHDES Watershed Beach Maps 		
		Swimming pools, water quality	NHDES Healthy Swimming		
Vastewater	Municipal Wastewater	Regulations and oversight	NHDES Wastewater	EPA Municipal Wastewater	 EPA Water/Wastewater Training EPA Small and Rural Wastewater System Training
		Septic tanks	NHDES Septic Systems	NHDES Septic Systems	, 5
	Industrial Wastewater	Regulations and oversight of pollution from industry	NHDES Wastewater	NHDES Drinking Water Program	
Environmental waste and contaminants	Use of land/property	Regulations, permits and oversight	NH Planning, Land Use, Energy Laws NH Land Use Boards and Municipal Officials USDA NH Land Use	NHDES Land NHDES Waste NHDES EHP	
	Mines and mills		NHDES Gold Mines		
	Landfills		NHDES Landfills	-	EPA Landfills
	Superfund sites (EPA National Priorities List sites)		 NHDES Federal Sites – Department of Defense Sites and Superfund Sites NHDES Superfund Site Summaries EPA NH Superfund Sites EPA Superfund National Priorities List (NPL) Where You Live Map EPA Cleanups in My Community EPA Cleanups at Federal Facilities 		 EPA Region 1 (New England) EPA Superfund Training and Learning Center
	Hazardous Waste		NHDES Hazardous Waste	1	EPA Basics of Hazardous Waste
	Fracking		NHDES Well Development by Fracking		NIEHS Fracking
	Pesticides		Division of Pesticide Control	1	
	Concern about proposed new sites, buildings etc., e.g., pipelines		 NHDES Contacts and Directory NHDES Public Comment Opportunities 		
	Medical waste, e.g., needles, needle drop- off, opioids		NH Safe Needle DisposalNH DHHS Syringe Service Program		

	Household hazardous waste/disposal		NHDES Solid WasteNHDES Household Hazardous Waste		NIEHS Hazardous Material/WasteEPA Household Hazardous Waste
Climate and natural disaster	Emergency Response	Preparation, response, hazardous waste response team	 NHDES Climate Change NH DHHS Climate and Health Program NH DHHS Data Portal: Climate Change 	NH Department of Safety	 ATSDR Disaster Readiness CDC Natural Disasters and Severe Weather CDC Wildfire Related Resources
Radiation	Nuclear power	Regulations and oversight	NH DHHS Radiological Health NH DHHS Radiological Emergency Preparedness Program	NH EPHT Program NH DHHS Radiological Health	EPA Nuclear Power Plants EPA Radiation Standards
	Naturally occurring	Environmental test results	 NH DHHS Radon Program, Publications, Contacts NH DHHS Radon Mitigation NH EPHT Radon Risk 		EPA Radiation Fact Sheet
	Other sources e.g., medical	Regulations and oversight	 NH DHHS Radiological Environmental Monitoring NHDES Hazardous Waste NH DHHS Radiological Health 		
Chemicals	Naturally occurring	Radon	 NH DHHS Radon Program, Publications, Contacts NH DHHS Radon Mitigation NH EPHT Radon Risk 	NHDES EHP NH DHHS Biomonitoring NH EPHT Program NH Happy, Healthy, Lead-free Me!	ATSDR Toxicological Profiles
		Uranium	 NHDES Radionuclides Waste Disposal NH DHHS Arsenic and Uranium Study NH DHHS Data Portal: Arsenic and Uranium 	NH Healthy Homes: Lead In Soil	ATSDR Toxicological ProfilesATSDR Uranium ToxicityNHDES Geology
		Lead	NH DHHS Lead Poisoning Prevention Program NHDES Child Lead Poisoning Prevention NH DHHS Data Portal: Child Lead Poisoning NH DHHS 2020 Lead Data Brief NH DHHS Lead in Drinking Water		 ATSDR Toxicological Profiles ATSDR Lead Toxicology ATSDR Lead Exposure/Mitigation NIEHS Lead
		Manganese	NHDES Manganese Health Info	-	ATSDR Toxicological Profiles
		Arsenic	 NHDES Arsenic Health Information Dartmouth Arsenic and You NH DHHS Arsenic and Uranium Study NH DHHS Data Portal: Arsenic and Uranium 		 ATSDR Toxicological Profiles ATSDR Arsenic Toxicology NIEHS Arsenic NHDES Geology
		Copper	NHDES Revised Lead and Copper Rule	1	ATSDR Toxicological Profiles
	Human-made	PFAS	 NHDES PFAS Response: Home NHDES PFAS Response: Health Impacts NHDES PFAS Response: Waste Site Remediation NH DHHS Data Portal: PFAS Dartmouth PFAS in NH FAQ 		 ATSDR Toxicological Profiles ATSDR PFAS and Your Health NIEHS PFAS
		TCE	EPA Tetrachloroethylene ATSDR Trichloroethylene Facts		ATSDR Toxicological Profiles ATSDR TCE Toxicity
		NDMA	EPA NDMA Technical Fact Sheet		ATSDR Toxicological Profiles

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		Asbestos	 NHDES Asbestos and Renovation Requirements NH DHHS Asbestos 		ATSDR Toxicological ProfilesATSDR Asbestos Toxicity
		Agricultural chemicals	EPA Regulatory Guidance: Pesticides		 CDC EPHT Limit Pesticide Exposure USDA Chemical Storage EPA Pesticides and Toxic Substances Test Guidelines NIEHS Pesticides Resources
Health concerns and disease concerns	Chronic disease	Health impacts to expect from environmental exposures	 NH DHHS Chronic Disease Prevention and Screening NH DHHS Data Portal: Chronic Health Conditions 	NH DHHS Chronic Disease Prevention/Screening NH DHHS Infectious Disease Bureau NH EPHT Program	CDC National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP)
	Cancer/cancer concerns	Community cancer rates	 NH DHHS Cancer Cluster Information NH DHHS Data Portal: Cancer NH DHHS Cancer Program Publications NH DHHS Investigation of Kidney Cancer in Merrimack, NH NH DHHS Cancer Incident Report Merrimack, NH 		 NIH Cancer Causes and Prevention NIH Cancer Cluster Fact Sheet
	Infectious disease	Infection exposure reduction, health impacts to expect	 NH DHHS Infectious Disease Control NH DHHS Infectious Disease Surveillance NH COVID-19 Response 		CDC Epidemiology Training CDC Epidemiology Case Studies
	Vulnerable populations	Children, women of childbearing age, older populations and health risks	 NH APPLETREE Program NH Choose Safe Places for Early Care and Education Program Dartmouth Childhood Cancer Initiatives NH DHHS RMS Investigation in Rye, NH NH DHHS Pediatric Seacoast Cancer Cluster Investigation 	NHDES EHP NH EPHT Program	ATSDR Pediatric Environmental Health Toolkit
	Community concern and stress response	Chronic stress/resiliency	ATSDR Community Stress Resources	ATSDR Home Page NHDES EHP	EPA Superfund Community Involvement Tools and Resources
	Proposed rules, policies, and regulations	Health impacts of state and federal proposals	Public Comment Opportunities		
Environmental Justice	Air quality, water quality, hazardous waste sites and remediation, permitting, etc	Fair treatment and opportunity for meaningful involvement	NHDES Civil Rights and Environmental Justice NHDES Statement on Environmental Justice	 NHDES Public Comment Opportunities NHDES Media Center (Press Releases) NHDES Data and Mapping 	 EPA Environmental Justice EPA Environmental Justice Screening and Mapping Tool United States Climate Resilience Toolkit
Residential environments	Garbage, recycling and compost	Town/Local Municipality	NHDES Solid WasteNHDES Managing Waste Streams	NHDES Waste ManagementNH Fish and Game	
	Residential disturbances, e.g., meth labs	Town/Local Municipality	ATSDR Methamphetamine Labs NH Department of Safety NH Municipal Association Directory NHDES Personnel: Spill Response Supervisor	NH Department of Safety NHDES	Methamphetamine Identification and Hazards
	Residential disturbances, e.g., noise	Town/Local Municipality	NH Municipal Association Directory		

<u> </u>	Traffic, traffic	Local planners, routing of	NH Municipal/Regional Planning		
	pollution, traffic	trucks for permits in new	Partners		
	planning Dry cleaning/ industry encroaching (see "environmental contamination")	construction or landfills Cleaning chemicals concerns	NH Municipal Association Directory EPA Tetrachloroethylene Summary ATSDR Trichloroethylene Fact Sheet		
	Guns and weapons	Public Safety, munitions/metals historical use and waste	NH Department of Safety NHDES Department of Defense Federal Sites	NH Department of Safety	
Public health issues	Public environmental exposures	Mold	NH DHHS Mold Health Officer Role	NH DPHS Health Officer Unit	NIEHS Mold
		Asbestos	NHDES Asbestos and Renovation Requirements	Dartmouth Asbestos FAQ	EPA Asbestos
		Lead	 NH DHHS Lead Poisoning Prevention Program NHDES EHP NH DHHS Biomonitoring NH EPHT Program 		NIEHS Lead CDC Childhood Lead Poisoning Prevention
		Arsenic	 NHDES Arsenic Health Summary NH DHHS Arsenic and Uranium Study NH DHHS Data Portal: Arsenic and Uranium NHDES EHP NH DHHS Biomonitoring NH EPHT Program 	Dartmouth Arsenic and You	NIEHS Arsenic CDC Public Health Statement for Arsenic ITRC Arsenic
		Radon	NH DHHS Radon Health Risks EPHT Radon NH DHHS Data Portal: Radon	National Radon Program Services - Kansas State University	NIEHS Radon
Food health	Restaurants, cafes, hotels	Regulatory, kitchen inspection/infectious foodborne disease outbreaks	NH DHHS Food Protection NH DHHS Foodborne Disease Surveillance	NH DHHS Food Protection	CDC Food Safety Resources
Mosquitos and ticks	Disease Vectors	Infectious diseases, e.g., Lyme, anaplasmosis etc.	 NH EPHT Tickborne Disease NH DHHS Data Portal: Tickborne Disease NH DHHS Lyme Disease Fact Sheet 	NH DHHS Infectious Disease Control NH Fish and Game Dartmouth Ecology/Environ. Health: Cottingham Lab	Vector Control for Environmental Health Professionals CDC Tickborne Disease Training CDC Tick Information
Wildlife	Chemical exposure from wildlife consumption	Bioaccumulation of chemicals, fish advisories	 NHDES Mercury in Fish NHDES Shellfish Program NH Fish and Game NH Fish and Game: Nuisance Wildlife 	NHDES Mercury Sources, Transport, Deposition, and Impacts NHDES Fish Consumption Guidelines	ATSDR Toxicological Profiles EPA Guidelines for Eating Fish that Contain Mercury
	Wildlife pathogens	Infectious diseases, e.g., rabies, hantavirus etc.	NH DHHS Infectious Disease Control NH Fish and Game NH Animal Control	NH Animal Control	CDC Rabies Training CDC Hantavirus Disease Training
Safety Standards	Occupational hazards	Regulatory advice/health outcomes	 UNH Occupational Injury and Illness Report NH DHHS Data Portal: Occupational Safety 	NH Occupational Health Surveillance	OSHA NIOSH
Home ownership	Resources for NH homeowners	Home water systems and wells, radon, lead, and seasonality considerations	NHDES Overview of Water SourcesNHDES Well Inspection ChecklistNH DHHS Radon Program	NHDES Publication Resource Library NH Online Form Finder	

			 NH Certified Radon Mitigation Specialists NH Certified Radon Measurement Specialists NHDES Private Well Testing NH DHHS Lead Poisoning Prevention Program NHDES Homeowner Water Test Form NH DHHS Healthy Homes Overview NHDES Private Well Reliable Capacity NHDES Homeowner Private Water Supply Options During Drought NHDES Road Salt and Water Quality 	
NHDES and NH	Resources for NH	Schedule of public events,	NHDES Events Calendar	
DHHS Events	community members	public hearings, trainings,	NH DHHS Events Calendar	
		meetings, information		
		sessions, etc.		