

Town of Amherst, New Hampshire

### Office of Community Development

Building · Code Enforcement · Planning · Zoning · Economic Development

2 Main St · PO Box 960 · Amherst, NH 03031 · 603.673.6041 · www.AmherstNH.gov

### BUILDING PERMIT APPLICATION

To Build, Alter, Repair, Install, or Change Buildings, Land, or Uses

Complete All Sections Entirely

Property Address: \_\_\_\_\_ Map/ Lot \_\_\_\_\_  
Property Owner Name: \_\_\_\_\_ Zone: \_\_\_\_\_  
Phone #: \_\_\_\_\_ Email: \_\_\_\_\_

**PERMIT APPLICANTS INFORMATION:**

**Contractor:** \_\_\_\_\_ Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

**Architect/ Engineer Firm:** \_\_\_\_\_  
Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

**Electrical:** \_\_\_\_\_  
Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

**Plumbing:** \_\_\_\_\_  
Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

**Septic:** \_\_\_\_\_  
Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Cell Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

*Office Use Only*

<b>Fees:</b>	Admin Fee _____	Building (Heated) _____	Building (Non-heated) _____
	Electric _____	Plumbing _____	Septic _____
	<b>Total</b> _____	<b>Paid</b> _____	

BP # \_\_\_\_\_  
EP # \_\_\_\_\_  
PP # \_\_\_\_\_

**Detailed Description of Work:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Total Cost of Improvements: \$ \_\_\_\_\_  
Square Footage of Improvements/ Additions/ Remodel : \_\_\_\_\_

**Please check off applications –**

**1- Type of Building Permit:**

- New Building    Addition    Alteration    Demo - Yr Built \_\_\_\_\_
- Repair/ Replacement    Pool    Shed    Deck    Electrical
- Plumbing    Commercial/ Industrial    Sign
- Home Occupation    OTHER \_\_\_\_\_

*\* Residential requires Application Form EC-1 certification from the NH Public Utilities Commission  
(Available at <http://www.puc.state.nh.us/energycodes/Form%20EC-1.pdf>)*

**2-Use:**

- One Family    Two Or More Family- # of Units \_\_\_\_\_    Garage (Residential)
- Garage (Commercial)    Barn/ Shed/ Agricultural    Hotel/ Motel/ Dorm- # of Units \_\_\_\_\_
- Office/ Professional    Industrial    Public Utility    Educational    Retail Store
- Restaurant    Medical    Storage    Assembly    OTHER \_\_\_\_\_

**Non Residential-** Describe in detail proposed use of building(s):

\_\_\_\_\_  
\_\_\_\_\_

**3-Characteristics:**

- Wood Frame    Masonry    Structural Steel    Reinforced Concrete
- Other: \_\_\_\_\_
- Sewage-  Private (Septic)    Public   Water Supply-  Private (Well)    Public
- Historic District-  Yes  No   Scenic Road-  Yes  No
- Heating-  Gas    Oil    Electric    Wood   Central Air-  Yes  No
- Elevator-  Yes  No
- Total Parking Spaces: \_\_\_\_\_ # of Bathrooms: (Full) \_\_\_\_\_ (Partial) \_\_\_\_\_
- # of Bedrooms: \_\_\_\_\_ (Residential Only)

**4-Dimensions:**

Number of Stories: \_\_\_\_\_  
Square footage of all floor areas: \_\_\_\_\_ (Base on exterior dimensions)  
Total Land Area: \_\_\_\_\_ (Acres)

Signature of applicant: \_\_\_\_\_ Date: \_\_\_\_\_

- I certify I have completed the following Stormwater Management Determination Form
- I certify a Driveway permit and Bond was submitted to Amherst DPW

**This project may be subject to Impact Fees**

*By signing above, I certify that the proposed work is authorized by the owner of record and agree to conform to all applicable Codes, Laws and Ordinances for the Town of Amherst, New Hampshire. I further acknowledge that construction activities shall not commence until the Building Permit is approved and issued, and the structure will not be occupied or otherwise utilized without the issuance of a Certificate of Occupancy.*



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## **Code Update**

On August 2, 2024 Governor Sununu signed into law House Bill 1059, which updated the NH State Building Code (RSA 155-A) to the 2021 editions with NH amendments. Note, the Energy Code remains the 2018 edition. The following code updates, retroactively, went into effect July 1, 2024 however, it will not be fully enforced until January 1, 2025.

The Updated NH State Building and Fire Codes:

- 2021 International Building Code
- 2021 International Residential Code
- 2021 International Plumbing Code
- 2021 International Mechanical Code
- 2021 International Existing Building Code
- 2018 International Energy Conservation Code
- 2021 International Swimming Pool and Spa Code
- 2020 National Electrical Code, NFPA 70 2021 Fire Code, NFPA 1 2021 Life Safety Code, NFPA 101



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## Notice of New Code Requirements

As of March 14, 2023, the Town of Amherst has a local amendment to the NH State Building Code. These requirements shall be in effect for all new construction.

“Adoption of Codes by Reference. The Town of Amherst hereby adopts the following building codes and amendments thereto pursuant to RSA 155-A and 674:51, as amended. These codes shall be known as the Building Code and are adopted to establish rules and regulations for the construction of buildings within the limits of the Town of Amherst. Where any provision of the Building Code conflicts with State or federal law, the code creating the greater degree of life safety shall take precedence. (3-11-14, 3-14-23)

1. The definition of potable water in Section R202 of the 2018 International Residential Code is replaced with:

**POTABLE WATER.** Water free from impurities present in amounts sufficient to cause disease or harmful physiological effects and conforming to the Drinking Water Maximum Contaminant Level standards established by the more stringent of the New Hampshire Department of Environmental Services or the U.S. Environmental Protection Agency for Arsenic, Bacteria, Copper, Fluoride, Lead, Nitrate, Nitrite, Uranium, Manganese, and those Per- and Polyfluoroalkyl Substances (PFAS) Contaminants for which standards have been set, including but not limited to:

Perfluorohexane sulfonic acid (PFHxS), total of all isomers
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Perfluorononanoic acid (PFNA), total of all isomers
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Perfluorooctane sulfonic acid (PFOS), total of all isomers
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Perfluorooctanoic Acid (PFOA), total of all isomers
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2. The existing text of the 2018 International Residential Code, Section P2602 Individual Water Supply and Sewage Disposal, Subsection P2602.1, General, is supplemented by the addition of the following:

**Water Quality Test.** Water from an individual water supply shall be approved as potable by the authority having jurisdiction prior to issuance of a certificate of occupancy. A report from a laboratory accredited under the New Hampshire Environmental Laboratory Accreditation Program or another state program under the National Environmental Laboratory Accreditation Program shall be submitted to the code/building official. When water treatment is necessary, treated water shall be tested for the contaminants listed within the “potable water” definition.

**Well Capacity Test.** An individual water supply system based on an individual well shall provide at least 960 gallons of water over a four-hour period in accordance with the following requirements:

1. Upon completion of the drilling and development of the well, the well must be pumped with a submersible pump located at the likely depth the permanent well pump would be set and at least 25 feet above the bottom of the well.
2. The determination of the usable well yield must be performed by completing a pump test a minimum of four hours in duration unless the criteria in No. 4 below is met.
3. During the pump test, the water level in the well must always be at least 20 feet above the pump intake, and if not, the pumping rate must be reduced to maintain the minimum 20 feet of water above the pump intake.
4. The pump test can be terminated in less than four hours if the water level drawdown rate is measured as less than 1 inch per minute over a 30-minute period and the pumping rate being maintained is a minimum of 4 gallons per minute.
5. Upon completion of the pump test, the water level must recover within 24 hours to at least 85 percent of the static water level measured prior to commencement of the pump test.
6. The well must have a minimum aquifer yield of no less than 2 gallons per minute.
7. The pump test must be overseen and documented by a licensed water well contractor, licensed pump installer, or a licensed geologist, with appropriate qualifications.
8. The well construction details, and pump test results must be documented and provided to the municipality and the homeowner.
9. If a well fails to meet the required pumping rate and performance standards, additional water volume may be met by adding a water storage tank to the domestic water system or another approved alternative method.
10. If the sanitary exclusion zone (as defined in NH Department of Environmental Services regulations) of one or more additional wells overlaps the sanitary exclusion zone of the subject well, then all such wells with overlapping sanitary exclusion zones must be tested and meet the capacity requirements simultaneously. The early termination provision of paragraph 4 shall not apply unless each well being tested simultaneously meets the criteria of paragraph 4.”

- **All new construction shall meet these potable water requirements. Testing and flow results are required.**
- **A Blower door test shall be required.**
- **An HVAC duct leakage test shall be required.**

###

**New Hampshire Residential Energy Code Application**  
 for Certification of Compliance for New Construction, Additions and/or Renovations of  
 Detached One- and Two-family dwellings and multi-family dwellings (townhouses) not over 3 stories  
**EC-1 Form**

Minimum Provisions from 2018 IRC Chapter 11

Effective Date: July 1, 2022

<b>Owner/Owner Builder:</b> Company Name: (if applicable)			<b>General Contractor:</b> Company Name:		
Name:			Name:		
Mail Address:			Mail Address:		
Town/City:	State:	Zip:	Town/City:	State:	Zip:
Phone:	Cell:		Phone:	Cell:	
E-Mail:			E-Mail:		
<b>Location of Proposed Structure:</b>			<b>Type of Construction:</b>		
Tax Map #:		Lot #:	<input type="radio"/> Residential <input type="radio"/> Small Commercial <input type="radio"/> New Building <input type="radio"/> Renovation <input type="radio"/> Addition <input type="radio"/> Thermally Isolated Sunroom <input type="radio"/> Modular Home: the site contractor must submit this form detailing supplementary rooms and Floor and/or Basement insulation unless the floor insulation is installed or provided by the manufacturer and no heated space is added.		
Street:			<b>Total New Conditioned* Floor Area:</b> <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px auto;"></div> ft <sup>2</sup>		
Town/City:	County:				
<b>Zone 5</b> <input type="radio"/> Cheshire, Hillsborough, Rockingham Strafford <b>Zone 6</b> <input type="radio"/> All other NH counties and town of Durham			<b>Basement or Crawl Space type:</b> (*a conditioned space is one being heated/cooled, containing uninsulated ducts or w/ a fixed opening into conditioned space. Walls must be insulated) Conditioned? <input type="radio"/> Yes (Walls must be insulated) <input type="radio"/> No <input type="checkbox"/> Full Basement <input type="checkbox"/> Walk Out Basement <input type="checkbox"/> Slab on Grade <input type="checkbox"/> Other _____		
<b>Structure is EXEMPT because:</b>					
<input type="checkbox"/> Mobile Home <input type="checkbox"/> On an historic register			<b>Form Submitted by:</b> <input type="checkbox"/> Owner <input type="checkbox"/> Builder <input type="checkbox"/> Other _____		

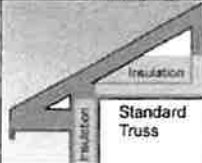

I hereby certify that all the information contained in this application is true and correct, and construction shall comply in all respects with the terms and specifications of the approval given by the local municipal code official or New Hampshire Department of Energy.

**Signature** \_\_\_\_\_ **Print Name** \_\_\_\_\_ **Date** \_\_\_\_\_

<b>Official Use Only</b>		
<b>Date Complete Application Received:</b>		<b>Approved by:</b>
<b>Approval Number:</b>		<b>Date:</b>
		<b>Stamp:</b>

Directions: Complete the "Your Proposed Structure" columns. No measurements or calculations are needed. Copies of plans are NOT needed. If you at least meet the Energy Code requirements, your project will be approved. Write N/A in any section that does not apply to your project. If your planned structure does meet these requirements, consider downloading REScheck <http://www.energycodes.gov/rescheck> to explore energy modelling options. Please submit pages 1 and 2 only.

**YOUR PROPOSED STRUCTURE**

Building Section	Required R or U Values		Write Planned R and U Values	Brands / Models / insulation type and thickness (if known)
<b>Window U Factor</b> (lower U is better)	<b>U .30</b> (maximum) U-.32 (if log walls in Zone 5) U-.30 (if log walls in Zone 6) <b>U .45</b> (Thermally Isolated Sunrooms only)		Write in U-Value	Check if <input type="checkbox"/> Sunroom <input type="checkbox"/> Log Walls
<b>Skylights</b>	<b>U .55</b> (or less) <b>U .70</b> (Thermally Isolated Sunrooms only)			
<b>Flat Ceiling<sup>i</sup></b> <i>or</i> <b>Flat Ceiling with Raised or Energy Trusses R-value</b>	 <b>R-49</b> (Zone 5 or 6) if using the above construction technique <b>R-49</b> if log walls	 <b>R-38</b> (Zone 5 or 6) if maintaining the full R value over the plates <b>R-49</b> if log walls	Write in R-Value  → If using only R-38 in Zone 5 or 6 you must check this box	NOTE: R-38 will satisfy the requirement for R-49 if the full R-38 insulation value is maintained over the outside plates. <b>If using only R-38 (Zone 5 or 6), you must certify that you will maintain R-38 over the plates by checking the box below.</b>  <input type="checkbox"/> <i>By checking this box, I certify that this structure is being built with a raised energy truss or that the full R-value of the ceiling insulation will be maintained over the outside plates.</i>
<b>Sloped or Cathedral Ceiling</b>	<b>R-30</b> (Zone 5 & 6) if less than 500 ft sq or 20% of total ceiling area or as above <b>R-24</b> (Thermally Isolated Sunrooms only)		Write in R-Value	Check if <input type="checkbox"/> Sunroom
<b>Above Grade Wall<sup>ii</sup> R-value</b>	<b>Zone 5:</b> <b>R-20</b> Cavity Insulation only <i>or</i> <b>R-13 plus R-5</b> Cavity plus Continuous Insulation <b>R-13</b> (Thermally Isolated Sunrooms only)	<b>Zone 6:</b> <b>R-20 plus R-5</b> Cavity plus Continuous Insulation <i>or</i> <b>R-13 plus R-10</b> Cavity plus Continuous Insulation <b>R-13</b> (Thermally Isolated Sunrooms only)	Write in R-Value	Log homes must comply with ICC400-2012, have an average minimum wall thickness of 5" or greater with specific gravity of ≤0.5 or 7" with specific gravity >0.5. Check if <input type="checkbox"/> Sunroom <input type="checkbox"/> Log Walls
<b>Door U-Value</b>	<b>U .30</b> (maximum)		Write in U-Value	One opaque door in the thermal envelope is exempt from the U-factor requirement.
<b>Floor R Value</b> (e.g., floor over Basement or garage)	<b>R-30</b> <i>or</i> Insulation sufficient to fill joist cavity minimum R-19		Write in R-Value	If conditioning the basement you must insulate <b>Basement Walls</b> . If not, you may insulate either <b>Floor</b> or <b>Basement Walls</b> and <b>Slab Edge</b> (if ≤ 1' of grade)
<b>Basement or Crawl Space Wall R Value</b>	For both Zone 5 and Zone 6 <b>R-19</b> Cavity Insulation or <b>R-15</b> Continuous Insulation		Write in R-Value	

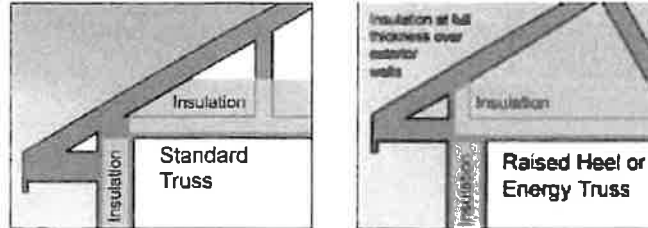
<b>Slab Edge<sup>iii</sup> R Value</b>	<b>R-10 2' (Zone 5) 4' (Zone 6)</b> (see drawing pg 3) <b>add R-5</b> if the Slab is heated or <b>R-15</b> under entire heated slab if a log home.	Write in R-Value	Check if <input type="checkbox"/> <b>Heated Slab</b>
<b>Air Sealing</b>	A blower door test is <b>required</b> . The test must demonstrate an air exchange rate of <i>three</i> Air Changes per Hour (ACH) or less @ 50 Pa.	Blower Door	If required by the code official, an approved third party may be required to conduct the blower door test.

Submit pages 1 through 3 to local municipal code official or NH Department of Energy at [energycodes@energy.nh.gov](mailto:energycodes@energy.nh.gov)  
Phone: 603.271.3670 Fax: 603.271.3878



## Footnotes to Residential Energy Code Application for Certification of Compliance

<sup>i</sup> **Ceilings with attic spaces:** R-38 in Zone 5 or 6 will be deemed to satisfy the requirement for R-49 wherever the full height of uncompressed R-38 insulation extends over the wall top plate at the eaves or the full R-value is maintained. This is often accomplished by using a raised heel or energy truss as shown in the diagram below or by using higher R-value insulation over the plates.

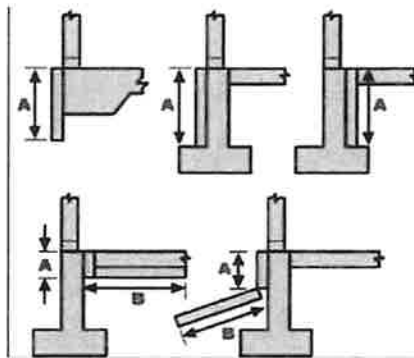


<sup>ii</sup> R-20 + R-5 means R-20 cavity insulation plus R-5 continuous insulation. If structural sheathing covers 25 percent or less of the exterior, R-5 sheathing is not required where the structural sheathing is placed. If structural sheathing covers more than 25 percent of exterior, the structural sheathing must be supplemented with insulated sheathing of at least R-2.

<sup>iii</sup> Slab edge insulation must start at the top of the slab edge and extend a total of two (Zone 5) or four feet (Zone 6). Insulation may go straight down, out at an angle away from the building, or along the slab edge and then under the slab. A slab is a concrete floor within 1' of grade level. See diagram below.

The top edge of insulation installed between the exterior wall and the interior slab may be mitered at a 45 degree angle away from the exterior wall.

### Allowable Slab Insulation Configurations



A or A + B must equal two feet in Zone 5 or four feet in Zone 6

MODULAR HOMES must be certified by the NH Department of Safety. Unless the floor insulation is provided by the manufacturer this form may be submitted. This form may also be submitted if the basement is to be insulated or supplementary heated space is added to the home upon or after it is set.

**2018 International Residential Code (IRC) effective July 1, 2022**  
**Residential Energy Code Requirements IRC Chapter 11**  
**The following list is intended as a general summary of energy related requirements.**  
**Please consult the 2018 IRC Chapter 11 for complete requirements.**

<p style="text-align: center;"><b>Air Leakage</b> Code Section N1102.4</p>	<p>The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of IRC Sections R1102.4.1 through R1102.4.4. The building thermal envelope must be durably sealed to limit infiltration. See Table N1102.4.1.1 for a list of thermal envelope elements and installation criteria.</p> <p>Building envelope air tightness shall be verified to comply by Blower Door testing to not exceed air leakage of 3 Air Changes per Hour (ACH) at 50 Pascals pressure. The local Building Official may require an independent 3<sup>rd</sup> party to conduct the test.</p>
<p style="text-align: center;"><b>Testing</b> Code Section N1102.4.1.2</p>	<p>The Blower Door Test is the required method to demonstrate code compliance with the air leakage requirement.</p> <p>Blower Door Test conducted by: _____</p> <p>Result (at 50 Pa): _____ CFM Interior Volume _____ CF _____ ACH</p>
<p style="text-align: center;"><b>Fireplaces</b> Code Section N1102.4.2</p>	<p>New wood-burning fireplaces shall have tight-fitting flue dampers or doors and outdoor combustion air.</p>
<p style="text-align: center;"><b>Recessed Lighting</b> Code Section N1102.4.5</p>	<p>Recessed lights in the thermal envelope must be type IC rated and labeled as meeting ASTM E 283 and sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.</p>
<p style="text-align: center;"><b>High-Efficacy Lighting</b> Code Section N1104.1</p>	<p>Not less than 90 percent of the lamps in permanently installing lighting fixtures shall be high-efficacy lamps or not less than 75 percent of the permanently installed lighting fixtures shall contain only high-efficacy lamps.</p>
<p style="text-align: center;"><b>Materials and Insulation Identification</b> Code Section N1101.5 and N1101.10</p>	<p>Materials, systems and equipment shall be identified in a manner that will allow a determination of code compliance. Manufacturer manuals for all installed heating, cooling and service water heating equipment must be provided. Insulation R-values, glazing and door U-values and heating and cooling equipment efficiency must be clearly marked on the building plans, drawings or specifications.</p>
<p style="text-align: center;"><b>Pull-Down Attic Stairs, Attic Hatch, and Knee Wall Doors</b>  Code Section N1102.2.4</p>	<p>Should be insulated to a level equal to the surrounding surfaces and tightly sealed and weather-stripped at the opening.</p>
<p style="text-align: center;"><b>Full size Attic or Basement Entry Doors</b> Code Section N1102.3.4</p>	<p>All doors leading from a conditioned space into an unconditioned attic or enclosed attic or basement stairwell should be insulated and weather-stripped exterior rated door units meeting the U-factor requirement. One door is exempt.</p>
<p style="text-align: center;"><b>Duct Insulation</b> Code Section N1103.3.1</p>	<p><b>Supply and return</b> ducts in attics must be insulated to at least R-8 where 3 in. diameter or greater and not less than R-6 for ducts smaller than 3 in. diameter.. Supply and return ducts in other portions of the building must be insulated to at least R-6 where 3 in. diameter or greater and not less than R-4.2 for ducts smaller than 3 in. diameter. Exception: Ducts or portions thereof located completely inside the building thermal envelope.</p>

<p><b>Duct Construction</b> Code Sections N1103.3.2 and N1103.3.5</p>	<p>Ducts, air handlers and filter boxes shall be sealed. Joints and seams must comply with the <i>Int. Mech. Code</i> or Section M1601.4.1 of the <i>International Residential Code</i>. Building framing cavities <b>shall not</b> be used as ducts or plenums (neither supply nor return).</p>
<p><b>Duct Testing</b> Code Sections 1103.3.3</p>	<p>Ducts shall be pressure tested to determine air leakage by either 1) rough-in test or 2) post-construction test. Rough in Test: Ducts must be no leakier than 6 CFM per 100 sq ft of conditioned floor area with air handler installed or 4 CFM per 100sqft without the air handler installed. Post Construction: Ducts must be no leakier than 8 CFM per 100 sq ft of conditioned floor area. See Code for further requirement details.</p> <p>Test conducted by: _____</p> <p>Duct test result at 25 Pa: _____ Post construction or _____ Rough-in test</p>
<p><b>Temperature Controls</b> Code Section N1103.1&amp;1.1</p>	<p>At least one thermostat must be provided for each separate heating and cooling system. The thermostat controlling the primary system must be equipped with a programmable thermostat.</p> <p>Heat pumps having supplementary electric-resistance heat must have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load</p>
<p><b>Mechanical System Piping Insulation</b> Code Section 1103.4</p>	<p>Mechanical system piping capable of conveying fluids at temperatures above 105°F or below 55°F must be insulated to R-3.</p>
<p><b>Circulating Hot Water Systems</b> Code Section N1103.5</p>	<p>Controls for circulating hot water system pumps shall start based on the identification of a demand for hot water within the occupancy. The controls shall automatically turn off the pump when the water in the circulation loop is at the desired temperature and when there is no demand for hot water.</p> <p>Circulating domestic hot water system piping shall be insulated to R-3.</p>
<p><b>Mechanical Ventilation</b> Code Section N1103.6</p>	<p>The building shall be provided with ventilation that meets the requirements of Section M1507 of this code or the International Mechanical Code, as applicable, or with other approved means of ventilation. Outdoor air intakes and exhausts must have automatic or gravity dampers that close when the ventilation system is not operating.</p>
<p><b>Equipment Sizing</b> Code Section N1103.7</p>	<p>Heating and cooling equipment shall be sized in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies. Equipment shall have an efficiency rating equal to or greater than applicable federal standards.</p>
<p><b>Certificate</b> Code Section N1101.14</p>	<p>A permanent certificate, completed by the builder or registered design professional, must be posted on or in the electrical distribution panel. It must list the R-values of insulation installed in or on the ceiling, walls, foundation, and ducts outside the conditioned spaces; U-factors and SHGC for fenestration. The certificate must also list the type and efficiency of heating, cooling and service water heating equipment.</p>
<p><b>Existing Buildings and Structures</b>  See Appendix J of IRC</p>	<p>The purpose of these provisions is to encourage continued use of existing buildings and structures. Work in existing buildings shall be classified into categories of repair, renovation, alteration and reconstruction. Consult this Appendix for specific requirements related to work in existing buildings.</p>



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## Amherst Stormwater Management

### Procedure Sheet to determine the need for a Stormwater Management Plan

Review the following criteria to determine whether or not a Stormwater Management Plan is required:

1.	Will your development or redevelopment project disturb more than 20,000 square feet?	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	Will your development or redevelopment project disturb more than 10,000 square feet within 100 feet of a surface water body or wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	Will your development or redevelopment project disturb less than 1. & 2. above but is part of a larger common plan of development that would cumulatively disturb 20,000 square feet or more?	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.	Will your development or redevelopment project disturb any amount of square footage directly adjacent to a wetlands buffer established under the Wetland and Watershed Conservation District Ordinance?	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.	Will your development or redevelopment project disturb any amount of square footage if the disturbed area is a Critical Area*?	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.	Does your project involve construction or reconstruction of a street or road?	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.	Is your project a subdivision of more than three building lots?	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.	Is your project a subdivision that will create a private road or a road intended for adoption as a public road?	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.	Is your project a subdivision that fronts on an existing private or public road and the stormwater discharges to the Town's drainage system subject to the EPA MS4 permit?	<input type="checkbox"/> Yes <input type="checkbox"/> No

\* Critical Area: Disturbed areas of any size within fifty (50) feet of any wetland; one hundred (100) feet of any Public Water Protection Wetland as defined in Zoning Ordinance Section 4.11 Part C); disturbed areas exceeding two thousand (2,000) square feet in highly erodible soils; or, disturbed areas containing slope lengths exceeding twenty-five (25) feet on slopes greater than ten (10) percent.

***If the answer is "Yes" to any of questions 1 - 9, a Stormwater Management Plan shall be prepared and submitted as part of the building permit application OR as part of the application for subdivision or site plan review with the Planning Board.***

See the Town of Amherst Stormwater Regulations, adopted December 16, 2021, by the Planning Board and January 4, 2021, by the Board of Health and Board of Selectmen.

Continued over:

10.	Will your project create disturbance adjacent to Town property or a right-of-way that does not meet the criteria in questions 1 - 9 on the previous page?	<input type="checkbox"/> Yes <input type="checkbox"/> No
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***If the answer is "Yes" to question 10, please submit the details of your project on the form provided prior to the commencement of the disturbance. Use of Stormwater Best Management Practices is strongly encouraged to minimize stormwater impacts on Town property.***

No excavation or disturbance to shoulders, ditches, swales, or embankments may take place without written permit permission.

Road opening, temporary access and driveway permit applications may be required by the DPW in accordance with the Town's Roadway and Utility Standards.

Signature of applicant: \_\_\_\_\_ Date: \_\_\_\_\_

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# ENVIRONMENTAL Fact Sheet

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## Asbestos: What Homeowners, Contractors, Property Managers and Landlords Need to Know

It is widely known that exposure to airborne asbestos fibers is hazardous to human health and wellbeing. Federal law authorizes the U.S. Environmental Protection Agency (EPA) and U.S. Occupational Health and Safety Agency (OSHA) to enact and enforce federal regulations in 40 CFR Part 61, 29 CFR 1910.1001 and 29 CFR 1926.1101 to protect workers, the general public and the environment against asbestos hazards. NHDES is authorized by RSA 141-E and Env-A 1800, *Asbestos Management and Control*, to protect the environment and the public by ensuring that asbestos is managed in a manner that prevents the release of asbestos fibers to the environment.



### **What building materials contain asbestos?**

Prior to the identification of the health hazards associated with its use, asbestos was widely believed to be a safe and valuable natural mineral resource that added very important physical properties to the materials to which it was added. By adding asbestos fibers to products, manufacturers were able to make their products more fire retardant, heat resistant, heat absorptive, nonconductive and chemically resistant while adding greater tensile strength.

While asbestos is no longer used in product manufacturing in the United States, many other countries still use asbestos in the manufacture of products that are imported into this country. In addition to imported products, many asbestos-containing building materials (ACBM) remain in residential and commercial buildings throughout the United States.

## List of Commonly Encountered Asbestos-Containing Building Materials

### Mastics and Adhesives

- Construction mastics.
- Roof patching cement.
- Roofing tar..
- Window glazing.
- Caulking compounds.
- Black mastic (under vinyl floor tiles).
- Foundation coatings and water proofing.
- Glue daubs..

### Vinyl Asbestos Products

- Floor tile.
- Baseboard flashing and cove base.
- Vinyl sheet flooring.
- Felt backing on sheet flooring.

### Thermal System Insulation (TSI)

- Pipe insulation (corrugated air-cell).
- Elbow packing (plaster/mud).
- Boiler packing (plaster/mud).
- Fire box liner (fiber mat).
- Rope gasket  
(fire box door and between boiler sections).
- Sealants, gaskets and caulking.
- Transite insulation panels.
- Air-cell insulation panels.

### Fire and Heat Resistant Surface Coatings (for structural steel)

- Spray-applied insulation.
- Blown-in insulation.

### Attic and Wall Cavity Insulation

- Vermiculite.

### Transite Pipe (Cement Pipes)

- Asbestos cement pipes  
(Municipal Water Systems).
- Heating and electrical ducts.

### Soundproofing

- Ceiling panels (drop ceiling type).

### Transite Products (Cement Board)

- Wall and roof board.
- Fake brick panels.
- Siding tiles.
- Roof tiles.
- Roof flashing.
- Laboratory countertops and hoods.
- Electrical panel partitions.
- Fire door cores.

### Plaster and Joint Compounds

- Decorative ceiling plaster (popcorn).
- Drywall panel.
- Drywall compound.
- Spackles and skim coating plaster.

### Asbestos Containing Cloth

- Laboratory gloves.
- Fire blankets.
- Firefighter gear.
- Fire curtains (in public venues).
- Electrical cloth.
- Architectural finishings (in public venues).

### Asphaltic Materials

- Rolled roofing.
- Roofing shingles.

### Asbestos Containing Paper Products (Friable)

- Compounding tape.
- Heavy construction felts and papers.
- Duct wrap and tape.

### Paints & Coatings

- Water- and heat-resistant paints  
(often silver on mobile home roofs).

### Other

- Electric wiring insulation.
- Chalkboards (in schools).

### **What steps can I take to minimize the risk of exposure to asbestos?**

The renovation or demolition of a building can pose a substantial risk of disturbance of ACBM, which would in turn expose workers, residents and the general public to airborne asbestos fibers. To manage and mitigate that risk, specific asbestos management requirements must be complied with when undertaking renovation and demolition activities or managing commercial or residential properties in New Hampshire. Familiarizing yourself with RSA 141-E and Env-A 1800 before commencing with any renovation or demolition activity will help you to comply with the applicable requirements while ensuring the health and safety of everyone involved. In addition, you protect yourself and your company from potentially significant financial liabilities, as well as potential enforcement actions that could arise from violations of RSA 141-E and Env-A 1800.

Choosing a reputable, professional and knowledgeable general contractor is a critical first step for any project. Your contractor should be aware of, and comply with, all laws and rules that pertain to their areas of business operation, including asbestos. Be on your guard against amateur, ill-informed or disreputable contractors who do not operate in accordance with existing laws, local permitting requirements, construction codes and industry best practices. Please be advised that both *the property owner* and the *contractor* are responsible for complying with asbestos-related laws and rules, and both may be subject to orders, penalties, or other enforcement actions for failing to comply with those laws and rules.

### **When is an asbestos inspection required?**

Once the design of your project has been determined, a certified asbestos inspector must be hired to survey the proposed project areas for the presence of ACBM that would be subject to disturbance during the project. Only certified asbestos inspectors who have received the required training covering the identification of asbestos-containing materials (ACM), and the hazards associated with them, are qualified under Env-A 1802.17 to conduct the required inspections. The certified inspector will conduct a visual inspection of the project area and take samples for laboratory analysis of all materials that are suspected of containing asbestos. Upon receiving the sample results back from the lab, the certified inspector will prepare a written report detailing the inspection findings along with a list of all known, or assumed, ACBM.

### **When do I need to notify NHDES about an asbestos abatement project?**

A written notification must be received by NHDES and the local health officer at least 10 business days before most asbestos abatement projects occur in New Hampshire. See the “Asbestos Abatement Project Requirements” table below. The notification for demolition projects must be submitted even when no ACBM were identified during the required asbestos inspection.

Asbestos abatement activities can involve:

- The wrecking or removal of any load-supporting structural member containing or covered by regulated asbestos-containing materials (RACM).
- The encapsulation, coating, binding or resurfacing of structural members, walls, ceilings, or building or equipment surfaces, or ducts, pipes, boilers, tanks, reactors, furnaces, or other vessels containing RACM.



- The construction of airtight enclosures to isolate surfaces coated or containing RACM.
- The removal or stripping of RACM from structural members, walls, ceilings, or other building surfaces, or ducts, pipes, boilers, tanks, reactors, furnaces, or other vessels.
- The repair of RACM to minimize the likelihood of fiber release from damaged areas to include the application of; duct tape, re-wet able glass cloth, canvas, cement, or other materials intended to seal exposed and or damaged areas from which asbestos fibers may be released.

RACM is friable ACM, which can be crumbled, pulverized or reduced to powder by hand pressure, or non-friable ACM that has become friable, or is likely to become crumbled, pulverized, or reduced to powder by the forces expected to act upon it.

### **Asbestos Abatement Project Requirements**

<b>Project Type</b>	<b>Requirements</b>
Major asbestos abatement project (more than 10 linear feet, 25 square feet or 3 cubic feet of RACM).	<ol style="list-style-type: none"> <li>1. Written notification at least 10 days before project begins.</li> <li>2. New Hampshire licensed asbestos abatement contractor.</li> <li>3. New Hampshire certified asbestos abatement supervisors and workers.</li> </ol>
Minor asbestos abatement project (10 linear feet, 25 square feet or 3 cubic feet or less of RACM).	<ol style="list-style-type: none"> <li>1. New Hampshire certified asbestos abatement supervisors and workers.</li> </ol>
Small scale short duration project (less than 3 linear feet or 3 square feet of RACM).	<ol style="list-style-type: none"> <li>1. Boiler service workers and facility maintenance workers.</li> <li>2. Purpose to perform needed repairs or service.</li> <li>3. Worker received the required OSHA initial, and annual refresher, asbestos awareness training for the OSHA classification of asbestos disturbance activity to be performed.</li> </ol>
Demolition	<ol style="list-style-type: none"> <li>1. Written notification at least 10 days before project begins.</li> </ol>

### **What action do I need to take for damaged or disturbed asbestos?**

RSA 141-E requires owners and operators of commercial and residential rental properties to maintain all areas of a building which are accessible to occupants free of asbestos inhalation hazards above the applicable permissible exposure limit for the type of use or occupancy of that building, as established by OSHA/NIOSH. Any ACBMs located in common areas, rental units, work areas or tenant accessible areas

that are damaged, or are likely to become damaged, have to be abated by a New Hampshire licensed asbestos abatement contractor to eliminate potential asbestos exposure hazards.

### **What are the disposal and documentation requirements for asbestos projects?**

Within 30 days of the completion of asbestos abatement activities, all asbestos waste must be transported for delivery to a solid waste facility that is permitted to receive it. Currently, the only facilities in New Hampshire that are permitted to accept asbestos waste are:

- Mount Carberry Landfill, 1222 Hutchins Street, Berlin NH 03570, [\(603\) 752-3342](tel:6037523342)  
Asbestos waste only accepted from commercial haulers and asbestos abatement contractors.
- Turnkey Landfill, 90 Rochester Neck Rd, Rochester, NH 03839, [\(216\) 286-0230](tel:2162860230)  
Asbestos waste only accepted from commercial haulers and asbestos abatement contractors.
- Four Hills Landfill, 840 W. Hollis Street, Nashua, NH 03062, [\(603\) 589-3412](tel:6035893412)  
Asbestos waste only accepted from commercial haulers and Nashua residents.

All transporters of asbestos waste must provide NHDES with transport and disposal notification. In all instances where greater than 10 linear feet, 25 square feet or 3 cubic feet of asbestos waste is disposed of, a waste shipment record must be sent to NHDES within 30 days of the delivery of the asbestos waste to the permitted disposal facility.

### **What is the single-family owner occupant exemption?**

The homeowner of a private, single-family property, that is not used as a rental dwelling, may perform asbestos abatement activities on or in their residence. However, the owner must personally perform the work, and cannot rent or sell the residence within six months after completing the abatement activity. Owners who perform asbestos abatement activities are exempt from the abatement notification requirement; however, the owner must still comply with each of the following:

- Adequately wet the ACM before removal, and maintain it wet during and after removal, and until it is placed into leak-tight containers for disposal.
- Remove all ACM that is not associated with structural members in small sections.
- Cause minimum breakage by carefully lowering all ACM to the ground or floor.
- Not allow asbestos waste to accumulate on the floor.
- Place wet asbestos waste into water-tight containers, or double impermeable bags of at least six mil thickness each, or dumpsters with two ten mil liners.
- Seal bags, containers or Dumpster liners when fully loaded.
- Wrap large components or structural members that were removed intact with two layers of six mil sheeting and then seal the sheeting.
- Perform cleanup procedures using repeated HEPA vacuuming and wet cleaning techniques until no visible residue remains in the work area.

Env-A 1803 provides more specific details on asbestos removal procedures to be utilized by the homeowner. It should be noted, after completing asbestos abatement, a homeowner who wants to demolish a private, single-family property shall follow applicable requirements specified in Env-A 1804 through Env-A 1812.

When a homeowner completes asbestos abatement activities and is ready to dispose of asbestos waste offsite, NHDES recommends the homeowner contact an asbestos abatement contractor for small quantities (one to 20 bags) or a commercial waste company for larger volumes for assistance with the documentation and disposal of the waste.

The homeowner or entity transporting ACM for disposal shall complete the "Homeowner Notice of Asbestos Disposal" form and submit to NHDES no later than the day that the transport for disposal begins. Homeowners should retain a copy of the form for at least two years. For more information on the potential health hazards of handling ACM and how to minimize your exposure, go to the [NHDES Asbestos Management website](#), or contact NHDES by email at [asbestos@des.nh.gov](mailto:asbestos@des.nh.gov) or by telephone at [\(603\) 271-1373](tel:(603)271-1373).