



Asbestos

Marshall Wildfire, December 2021 Residential Property

Ash and debris from burned structures may contain toxic substances due to the many synthetic and other materials that may have been present in buildings. For example, car batteries or mercury light bulbs, lead-based paint, plastic items, and other potentially toxic materials may have been present in the buildings prior to the fire. Entry into buildings that are partially damaged by the fire or handling any ash or debris from buildings is not recommended. At minimum, people should wear protective clothing and equipment to avoid skin contact with debris and inhalation of ash. Those responding to and who are impacted by the Marshall Wildfire need to make sure they are protected against tetanus. Tetanus vaccine (Tdap, DTaP, or TD) is recommended for anyone who does not have a documented dose within the past 10 years. Tetanus vaccines for first responders and residents are available, regardless of insurance status at Boulder County Public Health. Please call (303) 413-7799 or email PHIMM@bouldercounty.org.

One particular concern in handling debris from residential structures damaged or destroyed by wildfires is the possible exposure to asbestos fibers. Asbestos is a known carcinogen and exposure to asbestos fibers can cause or contribute to the development of various diseases including asbestosis, mesothelioma and lung cancer. Asbestos fibers have been commonly used in a variety of building materials including wall and ceiling textures, drywall, insulation, sheet vinyl flooring and floor tiles. Asbestos-containing materials that are in good condition should not pose a hazard. However, materials that are damaged or disturbed can release asbestos fibers creating a potential exposure risk for building occupants and neighbors. To address this, Colorado law has detailed requirements related to the proper identification, handling and disposal of asbestos-containing materials.

Colorado enforces asbestos requirements under Colorado Regulation No. 8, Part B. For residential properties, including commercial residential buildings with four or fewer dwelling units, the Colorado Department of Public Health and Environment is able to waive some of the asbestos requirements of Colorado Regulation 8, Part B.

For residential buildings that are damaged or completely destroyed by wildfires, following all of these requirements may not be possible or feasible. In recognition of this, the following modified procedures for dealing with residential structures damaged or destroyed by these wildfires must be followed:

- I. **Addressing asbestos in residential buildings completely destroyed by the fire where only ash and debris remain, or where sampling building materials for the presence of asbestos cannot be done safely¹:**

Safe Handling of ash and debris

The ash/debris should be handled in a manner that will minimize potential exposure to asbestos fibers and other hazardous materials in the debris.

- **Ash/debris must be wetted to minimize dust; packaged inside a container (such as an end-dump roll-off or truck) lined with double 6-mil plastic sheeting with the sheeting completely closed over the material and sealed once the container is loaded.**

¹ Building owners should work with appropriate local officials overseeing the fire response to determine whether a partially damaged structure can be safely inspected.

- Soil under/surrounding the building should be scraped to ensure that all ash and building debris has been removed from the site.
- Contractors should consult with the Occupational Safety and Health Administration (OSHA) at (303) 844-5285 (Denver) to determine training and personal protective equipment that will be required for those handling this material.

Disposal of ash and debris

Ash and debris must be disposed of at an approved landfill. The following landfills can accept ash and debris from residential buildings completely destroyed or damaged by these fires that cannot be safely characterized for the presence of asbestos.

Tower Landfill, Inc.
8480 Tower Road
Commerce City
Steve Derus: 720-590-4046

Denver Arapaho Disposal Site
3500 S. Gun Club Road
Aurora
Chris Anderson: 720-876-2633

Buffalo Ridge Landfill
11655 WCR 59
Keenesburg
Michelle Wittenbrink: 303-229-8085

Front Range Landfill
1830 WCR 5
Erie
Randy Tourville
303-673-9431

No other landfills are currently approved to accept ash and debris from buildings completely destroyed by these fires. In order to get approval to accept these materials, landfills must request and receive permission from the Hazardous Materials and Waste Management Division (HMWMD) which will include agreement to implement certain best management practices designed to protect landfill workers and nearby public from potential asbestos hazards.

- Please contact the landfill before loads are taken there to confirm waste acceptance, alert them that the material is coming, and initiate a waste profile. The landfill should be informed that the material has come from the Marshall Fire area and may contain suspect asbestos-containing materials or other hazardous materials. Please take debris directly to the landfill.
- Recycling of metal and concrete foundations is permissible under the following circumstances: Metal debris must be washed clean of ash/debris prior to recycling. If you wish to recycle a concrete foundation, the concrete must be inspected by a Colorado certified asbestos building inspector to determine that it is free of asbestos-containing materials prior to recycling.

Notification and Permitting Requirements

State demolition permitting requirements are waived. However, the building owner or contractor must submit written notification to CDPHE's Indoor Environment Program. This notification should be done using the Disposal Notification Form - Residential Buildings, Marshall Wildfire, December 2021. There is no fee associated with this notification.

II. Addressing asbestos in residential buildings only partially damaged by the fire and where sampling building materials for the presence of asbestos can be done safely:

Remaining building materials must be inspected by a Colorado certified asbestos building inspector prior to renovation/demolition or debris handling activities impacting the building materials. If asbestos-containing material(s) is present in amounts greater than the trigger levels, and the materials would be disturbed by renovation or demolition activities, they must be removed and disposed of in accordance with Colorado Regulation No. 8, Part B - Asbestos.

III. If there is known asbestos-containing material above regulatory trigger levels in a residential building, the owner must follow the requirements of Colorado Regulation No. 8, Part B.

For buildings that had been previously inspected and found to contain asbestos-containing materials or were previously known to contain asbestos in amounts greater than the state trigger levels, and these materials would be disturbed by renovation or demolition activities, they must be removed and disposed of in accordance with Colorado Regulation No. 8, Part B - Asbestos.

Information on Asbestos Consulting Firms (asbestos inspectors), Asbestos Abatement Contractors and Asbestos Landfills can be found on the CDPHE's Asbestos page at: <https://cdphe.colorado.gov/indoor-air-quality/asbestos>

For additional asbestos information, please contact the CDPHE Indoor Environment Program at: (303) 692-3100 or cdphe.asbestos@state.co.us



DISPOSAL NOTIFICATION FORM

Residential Buildings

Marshall Wildfire, December 2021

Only applicable for residential buildings completely destroyed or rendered unsafe to inspect by these fires. There is no fee associated with this notification.

Building Owner	Owner's Name:		
	Street:		
	City:	State:	Zip Code:
	Telephone # ()		
Site Address	Owner's Name:		
	Street:		
	City:	County:	Zip Code:
Disposal Contractor	Company/Contractor's Name:		
	Street:		
	City:	State:	Zip Code:
	Telephone # ()		
Landfill	Landfill Name:		
	Street:		
	City:	State:	Zip Code:
	Telephone # ()		

Submit form by mail or email (no fee is required) to:

Indoor Environment Program Permit Coordinator
 Colorado Dept. of Public Health and Environment
 APCD-IE-B1
 4300 Cherry Creek Drive South
 Denver, CO 80246-1530
cdphe.asbestos@state.co.us

Please call (303) 692-3100 with any questions.



Asbestos

Marshall Wildfire, December 2021 Public and Commercial Buildings and Buildings subject to the Asbestos NESHAP

Ash and debris from burned structures may contain toxic substances due to the many synthetic and other materials that may have been present in buildings. For example, chemicals, pesticides, batteries, plastic items, and other potentially toxic materials may have been present in the buildings prior to the fire. Public and commercial structures may contain larger amounts of these materials. Entry into buildings that are partially damaged by the fire or handling any ash or debris from buildings is not recommended. At minimum, people should wear protective clothing and equipment to avoid skin contact with debris and inhalation of ash. Those responding to and who are impacted by the Marshall Wildfire need to make sure they are protected against tetanus. Tetanus vaccine (Tdap, DTaP, or TD) is recommended for anyone who does not have a documented dose within the past 10 years. Tetanus vaccines for first responders and residents are available, regardless of insurance status at Boulder County Public Health. Please call (303) 413-7799 or email PHIMM@bouldercounty.org.

One particular concern in handling debris from structures damaged or destroyed by wildfires is the possible exposure to asbestos fibers. Asbestos is a known carcinogen and exposure to asbestos fibers can cause or contribute to the development of various diseases including asbestosis, mesothelioma and lung cancer. Asbestos fibers have been commonly used in a variety of building materials including wall and ceiling textures, drywall, insulation, sheet vinyl flooring and floor tiles. Asbestos-containing materials that are in good condition should not pose a hazard. However, materials that are damaged or disturbed can release asbestos fibers creating a potential exposure risk for people working on site or on neighboring sites.

Colorado enforces asbestos requirements under Colorado Regulation No. 8, Part B. It is also delegated the authority and obligation to enforce the federal National Emission Standards for Hazardous Air Pollutants (NESHAP) regarding asbestos in public and commercial buildings. For residential properties, including commercial residential buildings with four or fewer dwelling units, the Colorado Department of Public Health and Environment is able to waive some of the asbestos requirements of Colorado Regulation 8, Part B. Please see the specific documents developed for residential properties affected by the Marshall Wildfire. Colorado cannot waive federal requirements for public and commercial Buildings and other buildings subject the federal NESHAP.

- I. **Addressing asbestos in public and commercial buildings and buildings subject to the Asbestos NESHAP that have been completely destroyed by these fires where only ash and debris remain (no portion of the structure still standing).**

Safe handling of ash and debris

The ash/debris should be handled in a manner that will minimize potential exposure to asbestos fibers and other hazardous materials in the debris.

- Ash/debris must be wetted to minimize dust; packaged inside a container (such as an end-dump roll-off or truck) lined with double 6-mil plastic sheeting with the sheeting completely closed over the material and sealed once the container is loaded.
- Soil under/surrounding the building should be scraped to ensure that all ash and building debris has been removed from the site.
- Contractors should consult with the Occupational Safety and Health Administration (OSHA) at (303) 844-5285 (Denver) to determine training and personal protective equipment that will be required for those handling this material.

Disposal of ash and debris

Ash and debris from buildings that were completely destroyed by the fire must be disposed of at an approved landfill. The following landfills can accept ash and debris from public and commercial buildings completely destroyed by this fire.

Tower Landfill, Inc.
8480 Tower Road
Commerce City
Steve Derus: 720-590-4046

Denver Arapaho Disposal Site
3500 S. Gun Club Road
Aurora
Chris Anderson: 720-876-2633

Buffalo Ridge Landfill
11655 WCR 59
Keenesburg
Michelle Wittenbrink: 303-229-8085

Front Range Landfill
1830 Weld CR 5, Erie
Randy Tourville: 303-673-9431

No other landfills are currently approved to accept ash and debris from buildings completely destroyed by this fire. In order to get approval to accept these materials, landfills must request and receive permission from the Hazardous Materials and Waste Management Division (HMWMD) which will include agreement to implement certain best management practices designed to protect landfill workers and nearby public from potential asbestos hazards.

- Please contact the landfill before loads are taken there to confirm waste acceptance, alert them that the material is coming, and initiate a waste profile. The landfill should be informed that the material has come from the Marshall Fire area and may contain suspect asbestos-containing materials or other hazardous materials. Please take debris directly to the landfill.

Notification and Permitting Requirements

State demolition permitting requirements are waived. However, the building owner or contractor must submit written notification to CDPHE's Indoor Environment Program. This notification should be done using the Disposal Notification Form - Public and Commercial Buildings and Buildings subject to the Asbestos NESHAP, Marshall Wildfire, December 2021. There is no fee required for submission.

II. Addressing asbestos in damaged public and commercial buildings and buildings subject to the Asbestos NESHAP where the building or portions of the building must be demolished and where sampling building materials for the presence of asbestos cannot be done safely.

Building owners should work with appropriate local officials overseeing the fire response to determine whether a partially damaged structure can be safely inspected. A building that is structurally unsound and in danger of imminent collapse waives the requirements to inspect and remove regulated asbestos containing material. However, all debris must be treated as friable asbestos waste.

- If possible, provide written notification (10 working days in advance) to the Indoor Environment Program for all demolitions. Emergency provisions will allow notice to be made 24 hours instead of 10 working days.
- Ash/debris must be wetted to minimize dust; packaged inside a container (such as an end-dump roll-off or truck) lined with double 6-mil plastic sheeting with the sheeting completely closed over the material and sealed once the container is loaded.
- Soil under/surrounding the building should be scraped to ensure that all ash and building debris has been removed from the site.
- Ensure there is, at minimum, an asbestos trained supervisor on the jobsite with documentation available on site.
- In addition, Contractors should consult with the Occupational Safety and Health Administration (OSHA) at (303) 844-5285 (Denver) to determine training and personal protective equipment that will be required for those handling this material.

- All debris must be treated as friable asbestos waste and can only be disposed of in a landfill approved to accept waste generated by this event. The following are the landfills approved to accept this waste:

Tower Landfill, Inc.
8480 Tower Road
Commerce City
Steve Derus, 720-590-4046

Denver Arapaho Disposal Site
3500 S. Gun Club Road
Aurora
Chris Anderson: 720.876.2633

Buffalo Ridge Landfill
11655 WCR 59
Keenesburg
Michelle Wittenbrink: 303-229-8085

Front Range Landfill
1830 Weld CR 5, Erie
Randy Tourville: 303-673-9431

Notification and Permitting Requirements

State demolition permitting requirements are waived. However, the building owner or contractor must submit written notification to CDPHE's Indoor Environment Program. This notification should be done using the Disposal Notification Form - Public and Commercial Buildings and Buildings subject to the Asbestos NESHAP, Marshall Wildfire, December 2021. There is no fee required for submission.

Recycling of certain materials under Sections I and II

Recycling of metal and concrete foundations is permissible under the following circumstances: Metal debris must be washed clean of ash/debris prior to recycling. If you wish to recycle a concrete foundation, the concrete must be inspected by a Colorado certified asbestos building inspector to determine that it is free of asbestos-containing materials prior to recycling.

- III. Addressing asbestos in public and commercial buildings and buildings subject to the Asbestos NESHAP that are only partially damaged by the fire and where sampling building materials for the presence of asbestos can be done safely:**

Building materials must be inspected by a Colorado certified asbestos building inspector prior to renovation/demolition or debris handling activities impacting the building materials. If asbestos-containing material(s) is present in amounts greater than the trigger levels and these materials would be disturbed by renovation or demolition activities, they must be removed and disposed of in accordance with Colorado Regulation No. 8, Part B - Asbestos.

- IV. If there is known asbestos-containing material above regulatory trigger levels in public and commercial buildings and buildings subject to the Asbestos NESHAP, the owner must follow the requirements of Colorado Regulation No. 8, Part B.**

For buildings that had been previously inspected and found to contain asbestos-containing materials or were previously known to contain asbestos in amounts greater than the state trigger levels, if these materials would be disturbed by renovation or demolition activities, they must be removed and disposed of in accordance with Colorado Regulation No. 8, Part B - Asbestos.

Information on Asbestos Consulting Firms (asbestos inspectors), Asbestos Abatement Contractors and Asbestos Landfills can be found on the CDPHE's Asbestos page at: <https://cdphe.colorado.gov/indoor-air-quality/asbestos>

For additional asbestos information, please contact the CDPHE Indoor Environment Program at: (303) 692-3100 or cdphe.asbestos@state.co.us



DISPOSAL NOTIFICATION FORM

Public and Commercial Buildings and Buildings subject to the Asbestos NESHAP Marshall Wildfire, December 2021

Applicable for public and commercial buildings and buildings subject to the Asbestos NESHAP by this fire. There is no fee associated with this notification.

Building Owner	Owner's Name:		
	Street:		
	City:	State:	Zip Code:
	Telephone # ()		
Site Address	Building Name:		
	Street:		
	City:	County:	Zip Code:
Contractor	Company/Contractor's Name:		
	Street:		
	City:	State:	Zip Code:
	Telephone # ()		
Landfill	Landfill Name:		
	Street:		
	City:	State:	Zip Code:
	Telephone # ()		

Work Dates: _____

Submit form by mail or email (no fee is required) to:

Indoor Environment Program Permit Coordinator
Colorado Dept. of Public Health and Environment
APCD-IE-B1
4300 Cherry Creek Drive South
Denver, CO 80246-1530
cdphe.asbestos@state.co.us

Please call (303) 692-3100 with any questions