



**City of Marshall**  
**Inspection Department**  
 CITY OFFICE BUILDING -214 NORTH LAFAYETTE  
 MARSHALL, MISSOURI 65340 /FAX TO: 660-886-9565  
 PHONE: 660-886-2653

**APPLICATION & PERMIT FOR BUILDING DEMOLITION**

**DATE:**

**PERMIT #:**

Application is hereby made to remove an existing building or buildings located at:

\_\_\_\_\_, \_\_\_\_\_  
 (address) (type of building)

Lot: \_\_\_\_\_, Block: \_\_\_\_\_, Addition \_\_\_\_\_.

Parcel Number: \_\_\_\_\_

**Estimated cost of demolition: \$** \_\_\_\_\_

It is understood and agreed that I will comply with the following requirements of the City of Marshall relative to the matter of demolition of buildings within the City.

115.1 SERVICE CONNECTION: Before a structure can be demolished or removed, the owner or agent shall notify all utilities having service connections within the structure such as water, electric, gas, and other connections. A permit to demolish or remove a structure shall not be issued until a release is obtained from the utilities, stating that their respective service and appurtenant equipment, such as meters and regulators, have been removed or sealed and plugged in a safe manner. **Any deviations of capping the sewer at the main must be approved in writing from the Marshall Municipal Utilities General Manager. Upon application for permit, the sewer must be capped or plugged, inspected and approved prior to issuance of the demolition permit or a sewer plugging deposit of \$500.00 must be submitted.**

NOTICE TO ADJOINING OWNERS: Only when written notice has been given by the applicant to the owners of adjoining lots and to the owners of wired or other facilities, of which the temporary removal may be necessitated by the proposed work, shall a permit be granted for the removal of a building or structure.

MANNER OF DEMOLITION NORMALLY AND ESPECIALLY FOR HIGH BUILDINGS: No material shall be dropped by gravity or thrown outside the exterior walls of a building during demolition or erection. Satisfactory wood or metal chutes shall be provided for this purpose, and any material which in its removal will cause an excessive amount of dust shall be wet down to prevent the creating of a nuisance. However, where feasible and justifiable, the Code Official may grant permission for otherwise removing or demolishing buildings providing the deviation from this manner of material displacement is safe and consistent with other requirements herein set out.

PROTECTION FOR PUBLIC AND WORKMEN: Whenever a building or structure is erected, altered, repaired, removed or demolished the operation shall be conducted in a safe manner and suitable protection for the general public and workmen employed thereon shall be provided. Adjoining property shall be completely protected from any damage incidental to the building removal.

STORAGE OF MATERIALS: All materials and equipment required in construction operations shall be stored and placed so as not to endanger the public, the workmen or adjoining property. Material and

equipment shall not be placed or stored so as to obstruct access to fire hydrants, standpipes, fire or police alarm boxes, utility boxes, poles, catch basins, manholes or parking meters nor shall they be located within twenty feet of a street intersection or so placed as to obstruct normal observations of traffic control lights, or to hinder the use of loading zones.

CONDITION OF LOT: Whenever a building or structure is removed or demolished the lot must be left in a condition which will allow it to be easily mowed by filling, grading, leveling, etc.

PROTECTION OF STREETS: Any damage done to City streets which might be caused from the demolition of buildings will be the responsibility of the applicant.

NOTICE: The disposal of construction and demolition waste is regulated by the Department of Natural Resources under Chapter 260 RSMO. Such waste, in types and quantities established by the department, shall be taken to a permitted demolition or sanitary landfill for disposal.

TIME LIMITATION: The Contractor or Owner shall complete all work required in the demolition and removal of stated structure within thirty (30) days. Exceptions may be made due to inclement weather or prior approval from the Code Official.

FINAL INSPECTION: The Contractor or Owner shall be responsible to contact the Code Official for a final inspection of the lot upon completion.

LANDFILL TICKETS: The Contractor or Owner shall be responsible to submit Landfill tickets to the Code Official before any re-imbursement of Insurance Claim held by the City of Marshall is released.

DEPARTMENT OF NATURAL RESOURCES regulates the demolition of commercial, public, industrial buildings and some residential buildings. The only exception is for a single residential structure that contains four dwelling units or less. Whether they contain asbestos or not, regulated buildings must be inspected for the presence of asbestos by a Missouri Certified Asbestos Inspector and a Notification form must be submitted to the Air Pollution Control Program at P.O. Box 176, Jefferson City, MO 65102, (573)751-4817 at least 10 working days prior to start of the demolition.

ISSUED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
(Code Official)

SIGNATURE OF APPLICANT: \_\_\_\_\_

NAME OF OWNER: \_\_\_\_\_

Ordinance #7074, Chapter 2, Paragraph 3.02 states:

Prior to issuance of a demolition permit: 1) the sanitary sewer connection for property to be demolished shall be capped in a manner satisfactory to the General Manager, or 2) the Code Official shall require the posting of a deposit of five hundred dollars (\$500.00), which deposit shall be refunded upon certification by MMU that the sanitary sewer connection for the demolished property has been capped in a manner satisfactory to the General Manager.

Paragraph 6.03 states:

Old building sewers may be used in connection with new buildings only when they are found, on examination and test by the General Manager, to meet all requirements of these regulations.

### POLICY

General Rule: The acceptable manner or method used to cap the sewer service line is dependent on the condition of the sewer main at the tap and the condition of the service line.

- If the sewer main and the service line are both in good condition, the property owner shall be permitted to cap or plug the service line behind the curb or at the property line unless current building codes and ordinances would not permit construction of a structure that would use the existing service line, in which event the property owner would cap or plug the service line at the main.
- If the sewer main is in good condition but the service line is in bad condition, as defined below, the property owner shall cap or plug the service line at the main.
- If the sewer main is in bad condition, as defined below, the property owner shall cap or plug the service line at a convenient location behind the curb or at the property line and MMU will repair the sewer main leaving no specific provision for a future connection.

The acceptable method used to cap or plug a sewer service line is dependent on the type of service line material.

PVC pipe may be capped with a PVC glue-on cap. Clay tile may be capped with an expandable rubber plug. Other methods of capping are subject to approval by the General Manager. Concrete, including non-shrink grout, are not acceptable.

Sewer Main Condition: The sewer main shall be deemed in bad condition if inspection reveals open cracks with apparent root or water intrusion or if the main exhibits other unacceptable characteristics.

Service Line Condition: The sewer service line shall be deemed in bad condition if inspection reveals loose joints or cracks with apparent root or water intrusion or if the service line exhibits other unacceptable characteristics. Any service line of orangeburg pipe shall be deemed in bad condition.

Shared Service Line: In the event the sewer service line connects to a shared private line, the service line shall be disconnected and capped at the connection to the shared private line. Such connection cannot be reused.

Nothing in this policy prohibits installation of a new service line by the property owner.

Verification: Any capping at the main, temporary capping of a service line, or installation of a new service line shall be witnessed by a representative of the General Manager. After the property owner's responsibilities under this policy have been satisfied, certification that the sanitary sewer connection has been capped in a manner satisfactory to the General Manager may be given to the Code Official.

Approved by the Board of Public Works 5/31/06

must be properly disposed of at an approved landfill or transfer facility in accordance with the Solid Waste Management Law. You should contact the facility where you plan to dispose of your asbestos waste prior to removal to determine any specific procedures for waste delivery (packaging, wetting, etc.).

### Asbestos Contact Information

For more information on the department's asbestos requirements, you may contact the department's Air Pollution Control Program or one of the department's other offices with the following contact information:

Missouri Department of Natural Resources  
Air Pollution Control Program  
P.O. Box 176  
Jefferson City, MO 65102  
(573) 751-4817 - phone  
(573) 751-2706 - fax  
[www.dnr.mo.gov/env/apcp](http://www.dnr.mo.gov/env/apcp) Program Home Page

### Other Department Offices

Kansas City Regional Office	Lee's Summit	(816) 622-7000
Northeast Regional Office	Macon	(660) 385-8000
St. Louis Regional Office	St. Louis	(314) 416-2960
Southeast Regional Office	Poplar Bluff	(573) 840-9750
Southwest Regional Office	Springfield	(417) 891-4300

### Local Agencies

In Missouri, there are also four local agencies that have been delegated by the department to enforce the asbestos requirements. These local agencies may also have more stringent local ordinances that they enforce as well. Prior to performing a project in one of the following jurisdictions, you should contact the appropriate local agency to determine if any additional requirements apply.

Jurisdiction	Agency	Telephone
Kansas City proper	Kansas City Health Department, Air Quality Section	(816) 513-6314
St. Louis City proper	St. Louis Division of Air Pollution Control	(314) 613-7300
St. Louis County	St. Louis County Health Department	(314) 615-8923
Springfield proper	Springfield-Greene County Health Department	(417) 864-1662

### Additional Asbestos Related Guidance Documents

For more specific information on the department's requirements in regard to asbestos, please reference the additional guidance documents listed below or contact the department or appropriate local agency at the contact information listed above.

These documents are available for free download from the department's Web site at [www.dnr.mo.gov/pubs/index.html](http://www.dnr.mo.gov/pubs/index.html).

- *Asbestos: What is it and Why is it a Concern?* PUB2077
- *Management of Nonfriable Asbestos Containing Materials* PUB2156
- *Requirements for Fire Training Exercises Involving Structures* PUB2029
- *Natural Disaster Assistance for Missouri Citizens - How to Handle Asbestos Containing Debris* PUB2121



STATE OF MISSOURI  
 DEPARTMENT OF NATURAL RESOURCES  
**ASBESTOS NESHAP NOTIFICATION OF DEMOLITION AND RENOVATION**

OPERATOR PROJECT NO.	POSTMARK	DATE RECEIVED	NOTIFICATION NUMBER		
I. TYPE OF NOTIFICATION <input type="checkbox"/> O - ORIGINAL <input type="checkbox"/> C - CANCELLED <input type="checkbox"/> R - REVISION, WRITE REVISION NUMBER _____					
<b>II. FACILITY INFORMATION (IDENTIFY OWNER, REMOVAL CONTRACTOR, AND OTHER OPERATOR)</b>					
OWNER NAME		ADDRESS			
CITY	COUNTY	STATE	ZIP CODE		
CONTACT		TELEPHONE NUMBER			
ASBESTOS REMOVAL CONTRACTOR		ADDRESS			
CITY	COUNTY	STATE	ZIP CODE		
CONTACT		TELEPHONE NUMBER	TITLE		
DEMOLITION CONTRACTOR		ADDRESS			
CITY	COUNTY	STATE	ZIP CODE		
CONTACT		TELEPHONE NUMBER	TITLE		
III. TYPE OF OPERATION <input type="checkbox"/> D - DEMO <input type="checkbox"/> O - ORDERED DEMO <input type="checkbox"/> R - RENOVATION <input type="checkbox"/> E - EMERGENCY RENOVATION					
IV. IS ASBESTOS PRESENT <input type="checkbox"/> YES <input type="checkbox"/> NO		LIST TYPE OF ASBESTOS MATERIAL(S) TO BE REMOVED			
<b>V. FACILITY DESCRIPTION (INCLUDE BUILDING NAME, NUMBER AND FLOOR OR ROOM NUMBER)</b>					
BUILDING NAME					
ADDRESS					
CITY	COUNTY	STATE	ZIP CODE		
SITE LOCATION					
BUILDING SIZE	NUMBER OF FLOORS	AGE IN YEARS			
PRESENT USE		PRIOR USE			
VI. PROCEDURE, INCLUDING ANALYTICAL METHOD, IF APPROPRIATE, USED TO DETECT THE PRESENCE OF ASBESTOS MATERIAL. INCLUDE A COPY OF THE ASBESTOS INSPECTION.					
VII. APPROXIMATE AMOUNT OF ASBESTOS, INCLUDING: 1. REGULATED ACM (RACM) 2. CATEGORY I ACM 3. CATEGORY II ACM					
	RACM TO BE REMOVED	NONFRIABLE ASBESTOS MATERIAL TO BE REMOVED		NONFRIABLE ASBESTOS MATERIAL NOT TO BE REMOVED	
		CAT I	CAT II	CAT I	CAT II
PIPES (LINEAR FEET)					
SURFACE AREA (SQUARE FEET)					
VOL. RACM OFF FACILITY COMPONENT (CUBIC FEET)					

<b>VIII. SCHEDULED DATES DEMO/RENOVATION (MM/DD/YY)</b>			
START:		COMPLETE:	
<b>IX. SCHEDULED DATES ASBESTOS REMOVAL (MM/DD/YY)</b>			
START:		WEEKDAYS WORK HOURS	WEEKEND WORK HOURS
COMPLETE:			
<b>X. DESCRIPTION OF PLANNED DEMOLITION OR RENOVATION WORK, AND METHOD(S) TO BE USED</b>			
<hr/> <hr/>			
<b>XI. DESCRIPTION OF WORK PRACTICES AND ENGINEERING CONTROLS TO BE USED TO PREVENT EMISSIONS OF ASBESTOS AT THE DEMOLITION AND RENOVATION SITE.</b>			
<hr/> <hr/>			
<b>XII. WASTE TRANSPORTER</b>			
ADDRESS			
<hr/>			
CITY		STATE	ZIP CODE
CONTACT PERSON		TELEPHONE NUMBER	
<b>XIII. WASTE DISPOSAL SITE</b>			
NAME			
<hr/>			
LOCATION			
<hr/>			
CITY		STATE	ZIP CODE
TELEPHONE NUMBER			
<hr/>			
<b>XIV. IF DEMOLITION ORDERED BY A GOVERNMENT AGENCY, PLEASE IDENTIFY THE AGENCY BELOW</b>			
NAME		TITLE	
<hr/>		<hr/>	
AUTHORITY			
<hr/>			
DATE OF ORDER (MM/DD/YY) INCLUDE A COPY OF THE ORDER.		DATE ORDERED TO BEGIN (MM/DD/YY)	
<hr/>		<hr/>	
<b>XV. FOR EMERGENCY RENOVATIONS</b>			
<b>A. DATE AND HOUR OF EMERGENCY (MMDDYY)</b>			
<hr/>			
<b>B. DESCRIPTION OF THE SUDDEN, UNEXPECTED EVENT</b>			
<hr/>			
<b>C. EXPLANATION OF HOW THE EVENT CAUSED UNSAFE CONDITIONS OR WOULD CAUSE EQUIPMENT DAMAGE OR AN UNREASONABLE FINANCIAL BURDEN</b>			
<hr/>			
<b>XVI. DESCRIPTION OF PROCEDURES TO BE FOLLOWING IN THE EVENT THAT UNEXPECTED ASBESTOS IS FOUND OR PREVIOUSLY NONFRIABLE ASBESTOS MATERIAL BECOMES CRUMBLED, PULVERIZED, OR REDUCED TO POWDER.</b>			
<hr/>			
<b>XVII. I certify that an individual trained in the provisions of this regulation (40 CFR Part 61, Subpart M) will be on-site during the demolition or renovation and evidence that the required training has been accomplished by this person will be available for inspection during normal business hours (required 1 year after promulgation).</b>			
SIGNATURE OF OWNER/OPERATOR		DATE	
<hr/>		<hr/>	
<b>XVIII. I certify that the above information is correct.</b>			
SIGNATURE OF OWNER/OPERATOR		DATE	
<hr/>		<hr/>	



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## Asbestos: Inspection Report Requirements

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Air Pollution Control Program fact sheet

10/2009

The statements in this document are intended solely as guidance. This document is not intended, nor can it be relied on, to create any rights enforceable by any party in litigation. This guidance may be revised without public notice to reflect changes in law, regulation or policy.

This document is one in a series of fact sheets designed to assist you in becoming aware of the Missouri Department of Natural Resources' asbestos requirements. This particular document contains general information about asbestos surveys or inspections.

### Asbestos Inspection Requirements

Any project subject to the National Emission Standard for Hazardous Air Pollutants, or NESHAP, for Asbestos, 40 CFR Part 61, Subpart M will require an asbestos inspection. The year of construction or renovation of a regulated facility does not affect the inspection requirements. NESHAP requirements are discussed in the Department's fact sheet, *Asbestos Requirements for Demolition and Renovation Projects* (PUB2157) available on the Web at [dnr.mo.gov/pubs/pub2157.pdf](http://dnr.mo.gov/pubs/pub2157.pdf). Additional asbestos information is available at [dnr.mo.gov/env/apcp/Asbestos.htm](http://dnr.mo.gov/env/apcp/Asbestos.htm).

An asbestos inspection occurs when an individual inspects a building or facility for the presence of asbestos-containing material, or ACM. Suspect ACM, is also looked for during the inspection. This is any material potentially containing asbestos but has not been sampled and analyzed for asbestos content. An asbestos inspection also includes re-examining a building or facility to identify the presence or location of additional or existing ACM, suspected ACM or to determine the current condition of previously identified ACM following an event such as a fire or flood.

The following inspections or assessments do not normally qualify as thorough NESHAP asbestos inspections:

- Periodic surveillance in schools as required by the U.S. Environmental Protection Agency by the Asbestos Hazard Emergency Response Act, or AHERA.
- Full AHERA inspections or reinspections in school buildings to be demolished.
- Visual inspections to determine if asbestos related work is complete.
- Compliance inspections performed by an agent of a government agency and Phase I environmental assessments.

### Asbestos Inspection Personnel

A person certified as an asbestos inspector by the department must conduct all inspections and assessments. A list of certified inspectors is available at [dnr.mo.gov/env/apcp/Asbestos.htm](http://dnr.mo.gov/env/apcp/Asbestos.htm).

The NESHAP requires thorough inspections be conducted. For renovation projects, inspections need only include those areas of a building impacted by the renovation work. For demolition work, thorough inspections should include destructive sampling and access to all areas of the building.

**Total Number of Samples Required**

No sampling is required if the inspector presumes that ACM is present and the owner or operator responsible for the project decides to treat it as ACM. However, for a suspect material to be considered as non-ACM, a minimum number of samples must be collected and analyzed. The department recommends inspectors follow, at a minimum, the 3-5-7 rule suggested in the Asbestos Hazard Emergency Response Act.

Inspectors should also note both the condition of the materials and their quantities in the report. If known, inspectors should comment on the potential work practice impacts on Category I and II nonfriable or stable ACM that have the potential to be left in-place during demolition or renovation projects.

**Asbestos Sample Analysis Requirements**

The department strongly recommends all asbestos analysis be conducted by either:

- A laboratory credited by the National Institute of Science and Technology through the National Voluntary Laboratory Accreditation Program.
- A laboratory with successful participation in the asbestos bulk analysis program of the American Industrial Hygiene Association.

**Asbestos Inspection Report Requirements**

The written report should be provided to the person requesting the inspection. The asbestos inspection and assessment report should contain the following information:

- A general description of the structure, the areas inspected (including any areas that were not accessible) and the date of the inspection.
- The location of each homogeneous material known or assumed to contain asbestos.
- If an assessment of homogeneous material is performed, the condition of each homogeneous material known or assumed to contain asbestos and is it a regulated material.
- The quantities of known or assumed ACM in square, linear or cubic feet.
- The laboratory data including the name of the lab, the results and analyst's signature.
- The inspector's signature and a signed and dated copy of their asbestos inspector certificate as provided by the department.

Completed copies of asbestos inspection reports should accompany all NESHAP renovation and demolition notifications submitted to the department or local agencies.

**Asbestos Contact Information**

For more information about the department's asbestos requirements, contact the department's Air Pollution Control Program or one of the other offices listed below that have additional asbestos requirements for their area:

Kansas City Health Department, Air Quality Section	816-513-6314
St. Louis Division of Air Pollution Control	314-657-1517
St. Louis County Health Department	314-615-8924
Springfield-Greene County Health Department	417-864-1662

**For More Information**

Missouri Department of Natural Resources  
Air Pollution Control Program  
P.O. Box 176  
Jefferson City, MO 65102  
Phone 573-751-4817  
Fax 573-751-2706  
[dnr.mo.gov/env/apcp/Asbestos.htm](http://dnr.mo.gov/env/apcp/Asbestos.htm)





# Asbestos Requirements for Demolition and Renovation Projects

Air Pollution Control Program fact sheet

6/2006

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## Introduction

This document is one in a series of fact sheets designed to assist you in becoming aware of the Department of Natural Resources' asbestos requirements. This particular document contains information regarding how to determine if your demolition or renovation project is regulated by the department's air pollution control requirements. It will also help to explain the basic requirements for asbestos inspection, asbestos abatement, and for notification of regulated demolition and renovation projects. Asbestos waste disposal requirements are also covered.

## Determining if Your Project Will Involve Regulated Structures

The first step in determining if your demolition or renovation project is regulated is to determine the type of structure that will be affected. The department regulates demolition and renovation projects involving institutional, commercial, public, industrial, or residential structures, installations or buildings. The only exception to this regulation is for a single residential structure that contains four dwelling units or less. Projects that involve two or more residential structures are not exempt. If the residential structure has been used during the course of its history for any purpose other than residential, such as being converted from residential to office use or converted from commercial to residential use then it is no longer exempt. Any single residential structure that is used in fire training exercises is not exempt.

Multiple residential structures being demolished as part of an urban or rural unsafe building or nuisance abatement program may be exempt if they are geographically dispersed from the remaining structures. The department residential structure to be geographically dispersed if it is greater than 500 feet from other structures involved in the demolition or renovation project. Also, the structure must have been used exclusively for residential purposes.

## Inspection Requirements

Prior to demolition or renovation activities, regulated structures or those areas that will be subject to demolition or renovation activities must be thoroughly inspected to determine if any asbestos containing materials are present. This inspection must be performed by a Missouri-certified asbestos inspector. The inspector should identify all potential asbestos containing materials that may be disturbed by the demolition or renovation activity. Samples of the suspect materials should be collected and submitted for laboratory analysis to determine if they contain asbestos. The asbestos inspector can assume materials to be asbestos containing and avoid additional laboratory analysis. However, an inspector cannot make a determination that a sus-

PUB002157



pect material is non-asbestos containing without laboratory analysis. The inspector should generate a report of his findings from the inspection. The report should indicate all suspect materials that were identified, as well as quantify the amount, location, category and condition of all asbestos containing materials. The report should also include a copy of the analytical results and chain of custody for all samples that were collected.

In the event that a building is structurally unsound, it may not be possible to thoroughly inspect the entire structure. An inspection should be performed in all areas of the building where it is safe to do so. The final inspection report should clearly indicate what areas, if any, were not inspected. These areas of the building will require special handling during demolition, which is explained later in this bulletin.

If you need assistance with finding a Missouri certified asbestos inspector, you may find a list of inspectors on the department's Web site at [www.dnr.mo.gov/env/apcp/Asbestos.htm](http://www.dnr.mo.gov/env/apcp/Asbestos.htm)

### **Categories of Asbestos Containing Materials**

There are three categories of asbestos containing materials that may be identified by an inspector.

- **Friable asbestos containing material**  
Any material containing more than one percent asbestos that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. Examples of friable materials include sprayed or troweled materials such as acoustical ceiling spray or boiler insulation, paper pipe insulation and drop-in ceiling tile.
- **Category I nonfriable asbestos containing material**  
Asbestos containing packings, gaskets, \*resilient floor covering and asphalt roofing products containing more than one percent asbestos. \*(Any vapor barrier on resilient floor coverings such as sheet vinyl or tile is considered friable asbestos.)
- **Category II nonfriable asbestos containing material**  
Any nonfriable material, other than category I materials, that contain more than one percent asbestos. Examples of category II materials include asbestos cement wall or roof shingles and cement pipe.

Depending on the type or category of the asbestos containing materials identified at a project and the forces that will eventually act upon them during demolition and renovation, the materials may or may not be regulated by the department's asbestos requirements. To determine the applicability of the department's asbestos requirements, one must determine if the asbestos from your project will meet the definition of Regulated Asbestos Containing Material (RACM).

Regulated Asbestos Containing Material (RACM) includes friable asbestos containing materials; category I nonfriable materials that have become or will become friable or have been subject to sanding, grinding, cutting, burning, or abrading; or category II nonfriable materials that have a high probability of becoming or that have become crumbled, pulverized or reduced to powder by the work practices utilized during the course of demolition or renovation.

### **Requirements for Abatement of Regulated Asbestos Containing Material**

If the asbestos inspection conducted for your renovation or demolition project indicates 160 square feet, 260 linear feet, 35 cubic feet, or more of RACM (threshold quantities) will be im-

pacted by demolition or renovation activities, then all of the RACM must be removed. This removal must be performed by a Missouri registered asbestos abatement contractor.

Abatement contractors are trained in the proper procedures for safely removing and disposing of asbestos containing material and may only employ workers who are trained and subsequently, certified by the department on their projects.

In the event that a building is structurally unsound and it is unsafe to either inspect the building to confirm that no asbestos is present or to remove any RACM identified, the building can be demolished without being inspected or having the RACM removed. However, the demolition must be performed using wet methods and must be performed by a Missouri registered asbestos abatement contractor. Upon completion of the demolition, the debris must be inspected by a Missouri-certified asbestos inspector or assumed to contain RACM. If the asbestos inspection reveals that no RACM is present in the debris, then the debris can be handled as normal demolition waste and be removed by a general demolition contractor. If the asbestos inspection reveals that RACM is present or it is assumed that RACM is present, then all of the demolition debris must be handled as asbestos containing waste, unless the RACM can be isolated from the rest of the debris. All asbestos containing waste must be kept wet until the debris is properly disposed of at an approved sanitary landfill. A registered asbestos abatement contractor must perform the removal of the debris. Upon completion of the debris removal, a site assessment must be done to determine that the area surrounding the demolition site has not been contaminated with asbestos.

If you need assistance with finding a Missouri registered asbestos abatement contractor, a list of contractors is on the department's Web site at [www.dnr.mo.gov/env/apcp/Asbestos.htm](http://www.dnr.mo.gov/env/apcp/Asbestos.htm)

### **Requirements for Abatement of Nonfriable Asbestos Containing Materials**

Most nonfriable materials are not considered RACM unless they are in poor condition or are rendered friable by improper work practices during demolition or renovation. Category I nonfriable materials can generally be left in place during demolition activities provided the method of demolition will not make the material friable. However, for certain types of category I materials, such as floor tile and linoleum, the department generally recommends removal prior to demolition as these materials could easily be rendered friable during the demolition process. Also, leaving these materials in place may increase the amount of material considered as asbestos waste and may increase the cost of disposal. If category I ACM is left in place, work practices must be implemented to ensure the material is not made friable during removal or demolition. Any activity that will result in the material being subject to sanding, grinding, cutting, abrading, or burning may cause the material to become subject to regulation, depending on the quantity of RACM involved.

If threshold quantities of category II materials will be impacted, then they must be removed prior to demolition or renovation activities. This removal must be performed in a manner that does not render the material friable. If the material is crumbled, pulverized or reduced to powder during the demolition or removal process, the material may become subject to regulation depending on the quantity of RACM involved.

The Occupational Safety and Health Administration (OSHA) has specific work practice standards for friable and nonfriable Category I and Category II asbestos containing materials. While the removal of nonfriable materials may not be regulated by the department, the material can still pose a safety risk if handled improperly. For any project involving asbestos, whether regulated by the department or not, the use of trained asbestos professionals that are familiar with the

OSHA standards for any asbestos removal work should be considered.

In addition, nonregulated asbestos containing material is still considered a solid waste and must be properly disposed of at an approved landfill or transfer facility in accordance with the

Solid Waste Management Law. You should contact the facility where you plan to dispose of your asbestos waste for additional information on how the material should be packaged and delivered to their facility for disposal.

### **Notification Requirements**

There are two types of notifications required by the department in regard to demolition and renovation projects, asbestos abatement project notification and demolition project notification. Asbestos abatement project notifications must be submitted to the department at least 10 working days prior to the start of a regulated asbestos abatement project. This notification period allows the department the time it needs to prepare to inspect the project to ensure that it is being performed in compliance with all of the applicable requirements. In the case of emergency situations, the department can waive the 10 working day notification period.

However, verbal notice must be provided to the department within 24 hours of the onset of the emergency that describes the nature and scope of the emergency, the measures that will be taken to mitigate the situation, and a schedule for asbestos removal. A written notice must then be submitted to the department within seven days of the onset of the emergency.

The second type of notification is demolition notification. Demolition notification must be provided to the department at least 10 working days prior to the demolition of any regulated structure. This notice is required even if there is no asbestos identified on your project. This notification period provides the department the opportunity to inspect the structure prior to demolition to ensure that all asbestos issues have been properly addressed. A copy of the asbestos inspection report must accompany this notification. In the event a structure is in danger of imminent collapse and has been ordered demolished by a state or local government agency, the department can waive the 10 working day notification period. In this case, notice should be provided as early as possible before, but no later than the following working day. A copy of the government order must also be included with the notification.

It is the obligation of both the owner and any contractors involved to ensure that these notices are provided to the department. Failure to submit the notification is in violation of the department's requirements. The department will issue an approval letter for all asbestos abatement and demolition project notifications for regulated projects. Owners or contractors performing these types of projects should not proceed with the project without this approval.

You may obtain copies of the required notification forms from the department's Web site at [www.dnr.mo.gov/env/apcp/Asbestos.htm](http://www.dnr.mo.gov/env/apcp/Asbestos.htm)

### **Asbestos Waste Disposal Requirements**

Asbestos waste from regulated projects involving threshold quantities of RACM must be handled in strict accordance with the department's requirements for asbestos waste disposal. Wastes from these projects must be handled by registered asbestos abatement contractors, who are trained in the provisions for proper waste disposal. These requirements include packaging the material in leak tight containers or wrapping and properly marking and labeling the bags with an asbestos warning label and the information for the generator of the waste. The material must be taken to an approved sanitary landfill or transfer station that accepts asbestos containing waste.

Nonfriable asbestos containing materials that are not made friable are not regulated by the department's asbestos requirements. However, this material is still considered a solid waste

and must be properly disposed of at an approved landfill or transfer facility in accordance with the Solid Waste Management Law. You should contact the facility where you plan to dispose of your asbestos waste prior to removal to determine any specific procedures for waste delivery (packaging, wetting, etc.).

**Asbestos Contact Information**

For more information on the department's asbestos requirements, you may contact the department's Air Pollution Control Program or one of the department's other offices with the following contact information:

Missouri Department of Natural Resources  
 Air Pollution Control Program  
 P.O. Box 176  
 Jefferson City, MO 65102  
 (573) 751-4817 - phone  
 (573) 751-2706 - fax  
[www.dnr.mo.gov/env/apcp](http://www.dnr.mo.gov/env/apcp) Program Home Page

**Other Department Offices**

Kansas City Regional Office	Lee's Summit	(816) 622-7000
Northeast Regional Office	Macon	(660) 385-8000
St. Louis Regional Office	St. Louis	(314) 416-2960
Southeast Regional Office	Poplar Bluff	(573) 840-9750
Southwest Regional Office	Springfield	(417) 891-4300

**Local Agencies**

In Missouri, there are also four local agencies that have been delegated by the department to enforce the asbestos requirements. These local agencies may also have more stringent local ordinances that they enforce as well. Prior to performing a project in one of the following jurisdictions, you should contact the appropriate local agency to determine if any additional requirements apply.

<b>Jurisdiction</b>	<b>Agency</b>	<b>Telephone</b>
Kansas City proper	Kansas City Health Department, Air Quality Section	(816) 513-6314
St. Louis City proper	St. Louis Division of Air Pollution Control	(314) 613-7300
St. Louis County	St. Louis County Health Department	(314) 615-8923
Springfield proper	Springfield-Greene County Health Department	(417) 864-1662

**Additional Asbestos Related Guidance Documents**

For more specific information on the department's requirements in regard to asbestos, please reference the additional guidance documents listed below or contact the department or appropriate local agency at the contact information listed above.

These documents are available for free download from the department's Web site at [www.dnr.mo.gov/pubs/index.html](http://www.dnr.mo.gov/pubs/index.html).

- *Asbestos: What is it and Why is it a Concern?* PUB2077
- *Management of Nonfriable Asbestos Containing Materials* PUB2156
- *Requirements for Fire Training Exercises Involving Structures* PUB2029
- *Natural Disaster Assistance for Missouri Citizens - How to Handle Asbestos Containing Debris* PUB2121