

# MANAGING DEBRIS FROM DECLARED DISASTERS

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# **DISPOSING OF DEBRIS**

Large volumes of debris are generated following natural or human-caused disasters such as hurricanes, floods, tornadoes, fires or explosions. The Arkansas Department of Energy & Environment, Division of Environmental Quality (DEQ) has developed the following guide for managing and disposing of debris associated with the cleanup of areas affected by these events.

#### Debris may include:

- Trees, brush, and other vegetative matter
- Construction or demolition waste such as drywall, lumber, roof shingles, treated wood, and plastics
- Furnishings and appliances
- Other municipal solid waste, including putrescible waste (waste that can cause foul odors as it decomposes), and animal carcasses
- Hazardous waste, such as cleaning supplies, automotive products, paints and solvents
- Electronic waste (computers, printers, televisions, DVD players)

# **APPLICABILITY**

# If you are an authorized county or municipal solid waste operator:

This information will help you understand relevant environmental rules and decide on a reasonable course of action to follow.

# If you are not an authorized county or municipal solid waste operator:

Your city, county, or other local authorities will offer specific instructions on what to do with debris and other waste. If you have received no instructions and you cannot reach local authorities, then follow the guidelines in this section until you hear from authorities.

Separate debris into different piles, as much as possible, for example:

- Branches, leaves, and other vegetative materials that can go into a wood chipper
- Metal and related materials suitable for recycling
- Glass (gather glass carefully; before you set it out, double-bag it to avoid accidents)
- Lumber, insulation, bricks, siding, and other debris from buildings
- Furniture and other large items
- Appliances (use duct tape to hold refrigerators and freezers closed or remove the doors)
- Ruined clothing and furnishings
- Electronics
- Household chemicals

Set the piles as close to the road as possible:

- If you have a curb near your home, then put debris piles on top of the curb, not in the road
- If you have a ditch and no curb near your home, then put them in the grassy area between the ditch and the road. Be sure not to block the ditch or the road

# **DISASTER DECLARATIONS**

Sites of significant disasters are often declared disaster areas either by the Governor of Arkansas or the President of the United States. Counties also have the ability to declare disasters. Among other considerations, the declaration will be specific to certain counties and may enable them to receive additional financial and technical assistance for managing the debris.

Learn what requirements you need to fulfill to obtain your funding. To qualify for assistance, refer to the Federal Emergency Management Agency (FEMA) website at <a href="https://www.fema.gov">www.fema.gov</a> or call (800) 621-3362.

# SORTING AND STOCKPILING DEBRIS BEFORE DISPOSAL OR BURNING

State and federal regulations apply to the disposal of specific types of debris. DEQ recognizes that under the difficult conditions after a disaster, full compliance with these regulations may significantly delay the removal of debris from affected areas. In many cases, DEQ will provide maximum regulatory flexibility and enforcement discretion in the aftermath of a disaster.

Sort separated debris in different piles as described above, as much as possible. Only vegetation may be burned and only if your county allows it.

**NOTE:** Do not burn debris that was generated by a wildfire as environmental conditions may promote additional wildfires. Do not burn debris without special county authorization if your county is under a burn ban. Options for disposal of segregated debris that should not be burned are discussed in Table 1.

# TEMPORARY DEBRIS MANAGEMENT SITES

Request approval for each site or property where you plan to temporarily stockpile debris that has been collected. Coordinate with your local Office of Emergency Management, the property owner, city, and county to obtain consent. The Arkansas Department of Emergency Management (ADEM) maintains a list of ADEM Area Coordinators and local Arkansas Emergency Managers on its website, www.adem.arkansas.gov/emergency-management-coordinators (see Appendix 5).

# **OPTIONS FOR BURNING**

#### **OPEN BURNING**

Arkansas state law contains provisions that allow for a county to seek preauthorization from DEQ of a designated number of open burning sites for vegetative storm debris in order to accelerate the cleanup process in the event of a natural disaster. Open burning should be used as a means to manage vegetative debris in the early phases of disaster recovery, with a goal of ultimately establishing alternative means of debris disposal.

# When can I open burn vegetative storm debris?

State law currently allows for county officials to conduct open burning of vegetative storm debris when:

- 1. A federal, state, or county disaster has been declared
- 2. Substantial vegetative storm debris has accumulated and written notice has been provided to the DFO Director.

# Will DEQ assist me in authorizing and submitting my burn sites?

**Yes.** DEQ has developed a County Application to Burn Vegetative Debris, which is attached to this document as Appendix 1. Contact DEQ's Office of Air Quality at (501) 683-0873 for assistance completing your application. Submit your completed application via email to <a href="mailto:Airsubmission@adeq.state.ar.us">Airsubmission@adeq.state.ar.us</a> or mail to the DEQ Office of Air Quality, 5301 Northshore Drive, North Little Rock, AR 72118.

# How many burn sites can be authorized?

A county may typically burn vegetative storm debris at four authorized sites at one time. However, the DEQ Director may allow additional open burning sites if deemed necessary.

# How soon may I burn after I submit my application to DEQ?

A county is typically expected to provide three days written notice to the DEQ Director before the commencement of open burning that certifies that burn sites satisfy all applicable requirements and federal and state laws and regulations. However, the DEQ Director may waive the three-day notification requirement.

# How long do I have to complete my burning activities once they have been authorized by DEQ?

The open burning is typically expected to be completed within 120 days after the written notice to the DEQ Director or issuance of the disaster declaration. However, the DEQ Director may extend the completion time requirement.

# Are there any restrictions regarding the burning activities?

**Yes.** Those restrictions are attached to this document as Appendix 3.

# Can I open burn non-vegetative debris?

**No.** The open burning of non-vegetative storm debris, including, but not limited to, tires, lumber, construction debris, demolished structures, household waste, and trade waste is not permitted.

# Are there alternatives to burning?

**Yes.** DEQ may recommend alternative methods of vegetative storm debris disposal, including the use of air curtain incinerators (ACIs) or composting.

Complaints about inappropriate burning may be reported through the DEQ mobile app, the DEQ website at <a href="www.adeq.state.ar.us">www.adeq.state.ar.us</a>, by phone at (501) 682-0744, or e-mail at <a href="help-air@adeq.state.ar.us">help-air@adeq.state.ar.us</a>.

#### **BURNING DEBRIS IN AIR CURTAIN INCINERATORS**

DEQ allows the use of Air Curtain Incinerators (ACIs) in the disposal of vegetative debris during emergency cleanup operations such as the removal and disposal of debris from a declared disaster. ACIs are used when debris is burned in a trench dug in the ground or with a containment box or chamber made for this purpose. ACIs shall be operated in accordance with the manufacturer's instructions and any applicable DEQ authorization. A copy of the manufacturer's instructions shall be maintained on site and made available to DEQ upon request.

Only trees, brush, and other vegetative matter may be burned in an ACI during a declared disaster.

#### How do I obtain authorization for use of an ACI?

If you plan to clean up debris from a declared disaster you do not have to initially permit an ACI, as it is excluded from federal permitting requirements for a period of time. Instead, before burning, contact DEQ's Office of Air Quality so they may track the usage of your ACI.

## Where can I operate an ACI?

The location of the burn area shall be at least 500 feet from any dwelling other than a dwelling or structure located on the property on which the burning is conducted. The location of the burn area shall be assessed by DEQ and meet all the requirements.

# How long can I operate a portable ACI?

Federal requirements begin to apply after eight weeks of ACI use. If it is anticipated that the ACI will be required for use beyond the initial eight weeks, Region 6 of the United States Environmental Protection Agency (EPA) must be notified prior to the expiration of the initial eight weeks. DEQ will assist the counties in communicating with EPA.

If you need to operate the ACI for longer than eight weeks, then contact DEQ's Office of Air Quality to request an extension. When the ACI is no longer in use, you must remove it from the site.

# Are there any environmental controls that must be maintained during the operation of an ACI?

**Yes**. There are several controls and safeguards that must be adhered to if an ACI is operated. They are attached as Appendix 4.

# What records do I need to keep?

Equip the ACI with a run-time meter and record the dates and times, and how many hours the ACI is used. Please keep records showing that you complied with all operating instructions and followed requirements for locating the ACI.

The ash generated by the ACIs must be properly disposed in a permitted Class 1 Landfill or through an approved alternative plan.

# **DISPOSAL OF CONSTRUCTION AND DEMOLITION DEBRIS**

Construction and demolition (C&D) waste includes all materials that are direct or indirect by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to:

- Drywall
- Wood
- Packing material and boxes
- Plastics
- Roof shingles and other roofing material
- Metal
- Concrete, bricks and stones

Many construction demolition materials may be recycled. If you are unsure where to recycle C&D materials, then contact your regional solid waste management district. (Visit <a href="www.deq.state.ar.us/sw/programs/rswmd.aspx">www.deq.state.ar.us/sw/programs/rswmd.aspx</a> for a complete list.) Some materials may be suitable for use as beneficial fill or by landfills as cover material. Beneficial fill materials include asphalt, brick, concrete, ceramics, and uncontaminated soil or dirt. Additional materials may be considered on a case-by-case basis prior to the initiation of the fill activity by contacting DEQ. Sand material from emptied sandbags can be used as cover material in all Class 1, 3C, 3N, and 4 Landfills. Filled sandbags may be used as alternate daily cover in Class 1 and 3C Landfills only. If recycling and alternate uses are not possible, then waste should be sent to a permitted Class 4 Landfill.

See Table 1 for disposal options for demolition-related storm debris such as household hazardous or commercial waste, appliances, compressed-gas containers, tires, and vegetation.

# **HOUSEHOLD HAZARDOUS WASTE**

Household hazardous waste (HHW) collection may be an option for a community affected by a disaster. Check with your regional solid waste management district. Substances often found in homes that might be considered HHW include:

- Paints, thinners, furniture strippers, wood stains
- Pesticides, insecticides, flea collars and sprays, roach and ant killers, rat and mouse poisons, and herbicides
- Oven, toilet, drain, and rug/upholstery cleaners
- Bleaches, disinfectants, mothballs, ammonia-based and powdered cleansers, and swimming pool chemicals
- Floor and furniture polish
- Batteries
- Automotive products

DEQ recommends segregation of HHW from other disaster debris at each residence. Once segregated from other debris, DEQ recommends further segregation by category (i.e., flammable, corrosive, and pesticides) to expedite collection and management by the regional solid waste management district or a contractor.

# DISPOSAL OF UNKNOWN, SUSPICIOUS, OR LEAKING WASTE

Do not approach, examine, or attempt to move any containers of unknown substances or potentially hazardous materials, regardless of size. These containers may be leaking fumes or contain flammable or pressurized chemicals.

Call (501) 683-6700 to report the location of drums or other containers of hazardous or unknown wastes in any of the counties affected by the disaster declaration.

When you call, please give your contact information, a location and description of the container, and any potentially affected residences or businesses that are nearby. Emergency personnel will remove the container for safe disposal or transport it to a safe location.

# **DISPOSAL OF ANIMAL CARCASSES**

Animal carcasses should be properly disposed in accordance with Arkansas Livestock and Poultry Commission guidelines. Proper disposal options can be found in its regulations, accessed at <a href="https://www.aad.arkansas.gov/arkansas-livestock-and-poultry-commission">www.aad.arkansas.gov/arkansas-livestock-and-poultry-commission</a>, or by calling (501) 225-1598. Disposal should always be carried out in a manner that protects public health and safety, does not create a nuisance, and prevents the spread of disease and adverse effects on water quality. The owner or operator of a farm or facility is responsible for disposal in a timely and sanitary manner.

## **ASBESTOS ABATEMENT**

#### **ASBESTOS INSPECTIONS**

Prior to the commencement of the demolition, renovation, or response action, the Arkansas Pollution Control and Ecology Commission (APC&EC) Regulation 21 requires that, an owner or operator of a demolition, renovation, or response action shall conduct or have conducted, a thorough inspection of the affected facility or part of the facility for the presence of asbestos including Category I and Category II nonfriable asbestos.

#### NOTICES OF INTENT FOR ASBESTOS ABATEMENT

APC&EC Reg. 21 requires that, for any demolition (Reg. 21.601) of a structure or part of a structure (even if no asbestos is present), the owner or operator must submit a written Notice of Intent (NOI) to DEQ. For any renovation (Reg. 21.603), including asbestos stripping, removal work, or any other activity begins (such as site preparation that would break up or dislodge or similarly disturb asbestos-containing material), the owner or operator must submit a written NOI to DEQ. A NOI is also required for various other types of renovations. Refer to Regulation 21 (Reg. 21.603, 21.605, 21.2223) for details.

Additionally, a new NOI is required for a change in operator (Reg. 21.610) and a revised NOI (Reg. 21.608 and 21.609) is required for a change of the start date\*, end date, scheduled work hours, disposal site, change in owner, air monitor, inspector, and/or project designer, engineering control and work practices, and when amount of asbestos affected changes by twenty percent.

\*The changes require a fee of \$50 to be submitted with the revised NOI.

NOIs for both demolition and renovation activities should be submitted at least ten working days before any activity begins, unless the notice is associated with a government ordered demolition or an emergency renovation (Reg. 21.602 or 21.605) or if regulatory flexibility and enforcement discretion is authorized via a No Action Assurance by EPA and/or DEQ. Original NOIs should be hand delivered or postmarked by the United States Postal Service, UPS, FedEx, or other commercial delivery service. For assistance, please contact the Asbestos Program Coordinator at (501) 682-0718.

# ASBESTOS INSPECTIONS UNDER THE NO ACTION ASSURANCE (NAA)

As long as the NAA (see Appendix 2) is in effect, but no longer than ninety days, structures impacted by the recent floods in those counties identified in the President's Emergency Declaration and Major Disaster Declaration can waive the thorough asbestos inspection requirement (Reg. 21.501) as follows:

#### Renovation

The requirement to perform a thorough inspection prior to the commencement of the renovation or cleanup of asbestos containing material is waived when the damage to the structure is caused by the storms or flooding in the counties under a disaster declaration by the President of the United States. The following requirements must be met:

- 1. All of the material being renovated or cleaned up shall be treated as asbestos containing material regardless of whether the material contains asbestos or not. All material must be kept wet at all times and an Arkansas licensed asbestos contractor/supervisor must be on site at all times; and
- 2. All of the material must be handled as asbestos containing material and be disposed of at a permitted landfill as asbestos containing material. The removal and waste disposal provisions of 40 CFR 61.145, 40 CFR 61.150, Reg. 21.501, Reg. 21. 601, Reg. 21.603, Reg. 21.1001 and Reg. 21.1101 shall remain in effect and enforced in this situation.

#### **Demolition**

The requirement to perform a thorough inspection prior to the commencement of a demolition, is waived when the structure has been declared structurally unsound and in danger of imminent collapse and ordered by a government agency to be demolished. The damage must be caused by the storms or flooding in counties under a disaster declaration by the President of the United States. The following requirements must be met:

- 1. The entire structure being demolished shall be treated as asbestos containing material regardless of whether the structure contains asbestos or not. The demolition debris must be kept wet at all times and an Arkansas licensed asbestos contractor/supervisor must be on site at all times; and
- 2. All demolition debris must be handled as asbestos containing material and be disposed of at a permitted landfill as asbestos containing material. The removal and waste disposal provisions of 40 CFR 61.145, 40 CFR 61.150, Reg. 21.501, Reg. 21. 601, Reg. 21.603, Reg. 21.1001 and Reg. 21.1101 shall remain in effect and enforced in this situation.

A thorough inspection shall be required prior to commencing demolition activities, if the structure is not declared structurally unsound and in danger of imminent collapse. The removal and waste disposal provisions of 40 CFR 61.145, 40 CFR 61.150, Reg. 21.501, Reg. 21.601, Reg. 21.603, Reg. 21.1001 and Reg. 21.1101 shall remain in effect and enforced in this situation.

# DEQ ASBESTOS PROGRAM GUIDANCE FOR RESIDENTIAL RENOVATIONS AND DEMOLITIONS

The following questions apply to the demolition or renovation of a small residential building, that is, one containing four or fewer dwelling units, which would ordinarily fall within the residential building exemption. If you can answer one or more of the following questions with a **YES** you are regulated and are required to comply with the provisions of Reg. 21. If you answer **NO** to all questions, you are not regulated under Reg. 21.

# Is the demolition or renovation for fire training purposes?

NO YES, Regulated under Reg. 21



Does the demolition or renovation involve more than one small residential building within a city block or similar small compact area of each other by the same owner or operator (or owner or operator under common control) as part of the same project?

NO YES, Regulated under Reg. 21



Does the demolition or renovation involve more than four of each of the following or a combination thereof: condominiums, co-operative, lofts, or boarding house rentals?

NO YES, Regulated under Reg. 21



Is the structure being intentionally demolished or renovated as part of a commercial or public project (such as urban renewal or highway construction project), project to develop a shopping mall or industrial facility, or another private development project or part of a larger project?

NO YES, Regulated under Reg. 21



Does the demolition or renovation involve a residential building which was used for commercial purposes or a loft with a storefront and invites the public to enter?

NO YES, Regulated under Reg. 21



Does the demolition or renovation involve a residential building which is used to store farm supplies?

NO YES, Regulated under Reg. 21



Reg. 21 does not apply. If the demolition or renovation is conducted by a local government or its agent for reasons of public health, welfare, or safety, see the DEQ Clarification Memorandum 2008-2 (Nuisance Abatement Demolitions) located on our website at www.adeq.state.ar.us/air/asbestos/guidance.aspx.

# **TABLE 1: OPTIONS FOR MANAGEMENT OF SEGREGATED DEBRIS**

| WASTE TYPE   | WASTE TYPE EXAMPLES   | DISPOSAL OR BURN OPTION   |
|--|---|---|
| VEGETATION   | Trees, brush  | PREFERRED: Recycle OPTION: Open Burn Authorization OPTION: ACI OPTION: Class 4 Landfill   |
| CLEAN LUMBER   | Lumber and similar wood<br>materials that have not<br>been painted, stained, or<br>chemically treated | PREFERRED: Recycle OPTION: Class 4 Landfill   |
| ANIMAL CARCASSES Contact Arkansas Livestock & Poultry Commission | Diseased or non-diseased poultry, cattle, domestic animals  | Disposal must be in accordance with Arkansas Livestock and Poultry Commission Regulations. Proper disposal options can be found in their regulations, <a href="https://www.aad.arkansas.gov/arkansas-livestock-and-poultry-commission">www.aad.arkansas.gov/arkansas-livestock-and-poultry-commission</a> , or by calling (501) 225-1598. |
| HOUSEHOLD OR<br>COMMERCIAL                                       | Putrescible waste   | Class 1 Landfill  |
| WASTE  | Garbage, refuse, rubbish  | Class 1 Landfill  |
| CONSTRUCTION   | Asbestos-containing debris<br>such as shingles, siding,<br>insulation, tiles                          | Class 1 Landfill with Special Waste Authorization for friable asbestos containing debris Two Class 4 Landfills in Arkansas are permitted to accept non-friable asbestos-containing material   |
| OR DEMOLITION WASTE  | Painted, stained, or treated wood   | Class 4 Landfill  |
|  | Non-asbestos roof shingles  | OPTION: Class 4 Landfill  |
|  | Drywall   | PREFERRED: Class 4 Landfill OPTION: Class 1 Landfill  |
| WHITE GOODS, APPLIANCES  | Refrigerators, stoves, washers, dryers, small appliances  | Have refrigerant removed PREFERRED: Recycle OPTION: Class 4 Landfill OPTION: Class 1 Landfill   |

# **TABLE 1: OPTIONS FOR MANAGEMENT OF SEGREGATED DEBRIS**

(Continued)

| WASTE TYPE                    | WASTE TYPE EXAMPLES  | DISPOSAL OR BURN OPTION  |
|-------------------------------|--|--|
|                               | Cleaning products  | PREFERRED: HHW Collection OPTION: Class 1 Landfill OPTION: Permitted Hazardous Waste Facility                                    |
|                               | Paints, thinners, furniture strippers, wood stains   | PREFERRED: HHW Collection OPTION: Class 1 Landfill OPTION: Permitted Hazardous Waste Facility                                    |
|                               | Pesticides, insecticides, flea<br>collars and sprays, roach and<br>ant killers, rat and mouse<br>poisons, herbicides | PREFERRED: HHW Collection OPTION: Class 1 Landfill OPTION: Permitted Hazardous Waste Facility                                    |
| HOUSEHOLD                     | Automotive products such as oil, antifreeze, brake fluid, gasoline   | PREFERRED: HHW Collection OPTION: Registered Used Oil Collector OPTION: Permitted Hazardous Waste Facility                       |
| HAZARDOUS<br>WASTES           | Fluorescent bulbs, compact fluorescent (CFL) bulbs   | PREFERRED: HHW Collection OPTION: Class 1 Landfill   |
|                               | Aerosol cans   | PREFERRED: HHW Collection OPTION: Class 1 Landfill   |
|                               | Bleaches, disinfectants,<br>mothballs, ammonia-based and<br>powdered cleansers, swimming<br>pool chemicals           | PREFERRED: HHW Collection OPTION: Class 1 Landfill OPTION: Permitted Hazardous Waste Facility                                    |
|                               | Floor and furniture polish   | PREFERRED: HHW Collection OPTION: Class 1 Landfill OPTION: Permitted Hazardous Waste Facility                                    |
|                               | Batteries  | PREFERRED: HHW Collection OPTION: Class 1 Landfill   |
| ELECTRONIC<br>WASTE (E-WASTE) | Computers, televisions, printers, DVD players  | PREFERRED: E-waste Recycling Facility OPTION: HHW Collection OPTION: Class 1 Landfill OPTION: Permitted Hazardous Waste Facility |

# **TABLE 1: OPTIONS FOR MANAGEMENT OF SEGREGATED DEBRIS**

(Continued)

| WASTE TYPE             | WASTE TYPE EXAMPLES  | DISPOSAL OR BURN OPTION   |
|------------------------|--|---|
| COMPRESSED GAS C       | ONTAINERS  | PREFERRED: HHW Collection   |
| charge. For assistance | onth may be recycled free of<br>with more than four tires,<br>countability Program (TAP) | Locate the nearest Permitted Tire Collection<br>Center through the DEQ mobile app:<br>www.adeq.state.ar.us/tap. |

**TABLE 2: REGIONAL SOLID WASTE MANAGEMENT DISTRICTS** 

| RSWMD                 | COUNTIES   | PHONE          | WEBSITE                         |
|-----------------------|--|----------------|---------------------------------|
| Benton County         | Benton   | (479) 795-0751 | www.bentoncountyrecycles.org    |
| Boston Mountain       | Madison,<br>Washington   | (479) 846-3005 | www.bostonmountain.org          |
| Central Arkansas      | Lonoke, Monroe,<br>Prairie   | (501) 676-2721 | www.capdd.org/solid-waste       |
| Carroll County        | Carroll  | (479) 981-9184 | carrollcountysolidwaste.com     |
| Craighead County      | Craighead  | (870) 972-6353 | www.legacylandfill.org          |
| East Arkansas         | Crittenden, Cross,<br>Lee, Phillips, Poinsett,<br>St. Francis                                    | (870) 932-3957 | www.eapdd.com                   |
| Faulkner County       | Faulkner   | (501) 450-6100 | www.fcsolidwaste.com            |
| Mississippi County    | Mississippi  | (870) 763-3212 | N/A                             |
| Northeast<br>Arkansas | Clay, Greene,<br>Lawrence, Randolph  | (870) 236-7447 | N/A                             |
| Ozark Mountain        | Baxter, Boone,<br>Marion, Newton,<br>Searcy  | (870) 688-3889 | www.ozarkmountainsolidwaste.com |
| Pulaski County        | Pulaski  | (501) 340-8787 | www.regionalrecycling.org       |
| Saline County         | Saline   | (501) 776-2533 | www.recyclesaline.org           |
| Sebastian County      | Sebastian  | N/A            | www.eccopartners.org            |
| Southeast<br>Arkansas | Arkansas, Ashley,<br>Bradley, Chicot,<br>Cleveland, Desha,<br>Drew, Grant,<br>Jefferson, Lincoln | (870) 536-1971 | N/A                             |
| Southwest<br>Arkansas | Calhoun, Columbia,<br>Dallas, Miller,<br>Ouachita, Union   | (870) 234-3030 | N/A                             |
| Southwest Central     | Clark, Garland,<br>Hot Spring  | (501) 525-7577 | www.swcrswmd.com                |

# **TABLE 2: REGIONAL SOLID WASTE MANAGEMENT DISTRICTS**

(Continued)

| RSWMD             | COUNTIES  | PHONE          | WEBSITE                |
|-------------------|---|----------------|------------------------|
| Upper-Southwest   | Hempstead, Howard,<br>Lafayette, Little River,<br>Montgomery,<br>Nevada, Pike,<br>Polk, Sevier      | (870) 845-2866 | N/A                    |
| White River       | Cleburne, Fulton,<br>Independence, Izard,<br>Jackson, Sharp,<br>Stone, Van Buren,<br>White Woodruff | (870) 793-5233 | www.whiteriverswmd.org |
| West River Valley | Conway, Crawford,<br>Franklin, Johnson,<br>Logan, Perry, Pope,<br>Scott, Yell                       | (479) 754-7475 | www.wrvsolidwaste.org  |

# **APPENDIX 1: COUNTY APPLICATION TO BURN VEGETATIVE DEBRIS**



#### OFFICE OF AIR QUALITY

5301 Northabers Drive North little Rock, MR 72118 **PHONE:** (501) 682-0771 | **FAX:** (501) 682-0753

www.adec.state.ar.us

# COUNTY APPLICATION TO BURN VEGETATIVE DEBRIS

| BURN SITE INFORMATION (   | Must be completed for all requests)   |
|---|---|
| County: SELECT COUNTY   | Latitude/Longitude Coordinates:   |
|   |   |
|   | State: Zip Code:  |
| Is this a preauthorized burn site?  | □ YES □ NO  |
|   |   |
| CHECK C   | NLY ONE BOX BELOW PER FORM  |
| Complete and submit form to   | either DEQ Office of Air Quality or Emergency Response Section  |
| NON-DISASTER AREA RE  | QUEST (Certifying Official's Information)*  |
| Printed Name:   | Title:  |
| Phone: Fax:   | Email:  |
| Mailing Address:  |   |
| City:   | State: Zip Code:  |
| I certify that there is no practical, sa<br>the criteria for a burn site. | fe, or lawful means of disposal of vegetative debris and the site meets   |
| Signature:  | Date:   |
| COUNTY JUDGE DECLAR   | RED DISASTER (Certifying Judge's Information)*  |
| Printed Name:   | Title:  |
|   | Email:  |
| Mailing Address:  |   |
| City:   | State: Zip Code:  |
|   | site has not materially changed in such a fashion that would make it no<br>h it was preauthorized. If site is not preauthorized DEQ must assess the<br>ivities occur.           |
| Signature:  | Date:   |
|   | r County Judge declared disaster application, submit completed form<br>hail: day@adeq.state.ar.us, fax: (501) 682 0880, or mail: DEQ, Office of<br>North Little Rock, AR 72118. |
| This site is verified to med  | et the criteria outlined in Act 330. (For DEQ use only)   |
|   | epartment-coordinated emergency response actions, contact the Arkansas<br>nt Emergency Response Coordinator by:<br>@adeq.state.ar.us  |
| PHONE: (501) 682 0716   |   |
|   |   |

Revised 9/2/21



#### ASBESTOS PROGRAM

5301 Northshore Drive | North Little Rock, AR 72118
PHONE: (501) 682-0718 | FAX: (501) 682-0880
EMAIL: asbestossubmission@adeq.state.ar.us
www.adeq.state.ar.us/air/program
BUSINESS HOURS: 8:00 AM-4:30 PM

# ASBESTOS NOTICE OF INTENT (NOI)

Arkansas Pollution Control and Ecology Commission Regulation 21 requires a notification to be submitted at least 10 business days (Monday-Friday) before any renovation or demolition activity begins. Methods of submission are hand delivery, U.S. Postal Service post-mark or commercial delivery service post-mark as early as possible. The required fee must accompany the submission. NOTE: Regulation 21, Chapter 6 outlines the requirements associated with submitting an asbestos NOI. A copy of Regulation 21 is available at www.adeq.state.ar.us/regs/#reg21.

| DEMOLITION/RENOVATION PR  | ≀OGRAM F     | REQUIREME       | ENTS VERIFICATION                      | CHECKLIST    |
|---|--------------|-----------------|--|--------------|
| <b>Demolition</b> means the wrecking or ta<br>together with any related handling of<br>altering a facility or any facility compon<br>a facility component.  | perations or | intentional bu  | urning of a facility. <b>Reno</b> v    | vation means |
| Locate/perform asbestos survey  |              | ☐ IDENTIFY      | / NOI PERSONNEL:                       |              |
| Determine if facility contains asbest   | os:          | ☐ Cont          | ractor                                 |              |
| Determine Amount and Type of Ask  | pestos       | ☐ Proje         | ct Designer (Required if 3             | sq. ft. or   |
| Determine if Asbestos (if applicable  | e) is        | more            | e of RACM and demolishin               | g in place)  |
| Category I or II ACM.   |              | ☐ Inspe         | ector (Required for all subr           | nittals)     |
| ☐ Identify Project Type   |              |                 | Ionitor (Required when usi             | _            |
| Identify Project Schedule (dates and IDENTIFY STRUCTURE:  | d times)     |                 | ainment and must be inde<br>ontractor) | pendent      |
| Name (Provide a meaningful na   | ame for      | ☐ Determin      | e method of demolition                 |              |
| future reference)   |              | ☐ Identify V    | Vaste Transporter                      |              |
| Address of Structure (Include C   | lity, State, | ☐ Identify V    | Vaste Disposal Site                    |              |
| Identify Owner/Operator (any perso<br>being demolished or renovated)  | on who owns  | , leases, opera | tes, controls, or supervises           | the facility |
|   | DEMOLI       | TION FEES       |  |              |
| 160 sq./260 linear ft. or more of RACM  | \$375.00     | One sq./linea   | arft. of ACM or less                   | \$0.00       |
| Greater than one sq./linear ft. of ACM  | \$75.00      | NOI Revision    |  | \$50.00      |
|   | RENOVA:      | TION FEES       |  |              |
| 160 sq./260 linear ft. to 5000 sq./linear ft. of  | f RACM       | \$225.00        | Annual NOI                             | S 1125.00    |
| 5001 sq./linear ft. to 10,000 sq./linear ft. of I   | RACM         | \$375.00        | Emergency Renovation                   | S225.00      |
| More than 10,000 sq./linear ft. of RACM   |              | \$750.00        | NOI Revision                           | S50.00       |
| Submit completed NOI packet (inc<br>Arkansas Energy and Environment,<br>Division of Environmental Quality,<br>Office of Air Quality, Asbestos Progra<br>5301 Northshore Drive,<br>North Little Rock, AR 72118 |              | orm and appl    | icable fee) to:                        |              |

NOTE: Incomplete NOI packets may be returned without processing.

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| SECTION I      | : PROJECT T            | YPE                           |      |                   |              | 21.601-21.606   |
|----------------|------------------------|-------------------------------|------|-------------------|--------------|-----------------|
| DEMOLITIO      | <b>N</b> (Review and c | complete as <b>applicable</b> | e se | ections I-VIII, a | nd XI-XIII.) |                 |
| ☐ Demolition   | on 🗌 Go                | vernment Ordered De           | mc   | olition           |              |                 |
| RENOVATIO      | <b>N</b> (Review and d | complete <b>applicable s</b>  | ect  | tions I-VI, and I | X-XIII.)     |                 |
| ☐ Renovation   | on 🗌 An                | nual Notice 🔲 E               | me   | ergency Notice    | ☐ Court      | esy Notice      |
| SECTION I      | I: PROJECT S           | CHEDULE                       |      |                   |              | 21.606H-21.606l |
|                |                        | WOR                           | K    | DATES             |              |                 |
| Start Date:    |                        |                               | _    | End Date:         |              |                 |
|                |                        | WORK TIMES (C                 | Che  | ck all that ap    | ply)         |                 |
| DAY            | START TIME             | INDICATE AM/PM                | Г    | DAY               | END TIME     | INDICATE AM/PM  |
| Sunday:        |                        | ☐ AM ☐ PM                     |      | Sunday:           |              | ☐ AM ☐ PM       |
| Monday:        |                        | ☐ AM ☐ PM                     |      | Monday:           |              | ☐ AM ☐ PM       |
| Tuesday:       |                        | ☐ AM ☐ PM                     | 1    | Tuesday:          |              | □ АМ □ РМ       |
| Wednesday:     |                        | ☐ AM ☐ PM                     | 1    | Wednesday:        |              | □ АМ □ РМ       |
| Thursday:      |                        | ☐ AM ☐ PM                     | 1    | Thursday:         |              | □ АМ □ РМ       |
| Friday:        |                        | ☐ AM ☐ PM                     | 1    | Friday:           |              | □АМ □РМ         |
| Saturday:      |                        | ☐ AM ☐ PM                     | 1    | Saturday:         |              | □ АМ □ РМ       |
| SECTION I      | II: STRUCTUI           | RE INFORMATION                | i    |                   |              | 21.606G         |
| Name of Stru   | ctures:                |                               |      |                   |              |                 |
| 1              |                        |                               |      |                   |              |                 |
| 1              |                        |                               |      |                   | Zip Co       | ode:            |
| Number of Fl   | oors:                  | Dimensions:                   |      |                   | Age c        | of Structure:   |
| Previously use | ed as:                 |                               |      | _ Currently use   | d as:        |                 |
| SECTION I      | V: OWNER/O             | PERATOR INFOR                 | M    | ATION             |              | 21.606B         |
| Facility Owner | Operator:              |                               |      |                   |              |                 |
| 1              | ss:                    |                               |      |                   |              |                 |
| City:          |                        |                               |      | State:            |              | de:             |
| Contact Person | 1:                     |                               |      |                   | Phone        | :               |
| Email:         |                        | 011/DE1101/171011             | _    | <b></b>           |              |                 |
| CONTRACTOR     |                        | ON/RENOVATION                 | C    | OMPANY IN         | FORMATIO     | 21.606B         |
| Contractor Na  | ame:                   |                               |      |                   | AR L         | icense #:       |
| Mailing Addr   | ess:                   |                               |      |                   |              |                 |
| 1              |                        |                               |      |                   |              | ode:            |
| Contact Perso  | on:                    |                               |      |                   | Ph           | one:            |
| Email:         |                        |                               |      |                   |              |                 |

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| Project Designer:  | AR Cert. #:                                 |
|--|---|
| Mailing Address:   |   |
| City: State:   | Zip Code:                                   |
| Phone: Email:  |   |
| Licensed Firm:   |   |
| Note: A project designer is required if greater than 3 SO. FT./3 LN. FT. RACM or more than SSSD project is certified, working as an employee of the facility or licensed firm. (21.502, 21.503D, & 21.606R)                                    |   |
| Inspector Name:  | AR Cert. #:                                 |
| Mailing Address:   |   |
| City: State:   | Zip Code:                                   |
| Phone: Email:  |   |
| Licensed Firm:   | AR License #:                               |
| Date of Asbestos Survey: Area to be disturbed included i   |   |
| Note: Required for all projects. Surveys are to be prepared by AR certified inspector working as an en (21.501, 21.503B, & 21.606R)  | nployee of the facility or licensed firm.   |
| Clearance Air Monitor:   | AR Cert. #:                                 |
| Mailing Address:   |   |
| City: State: _   | Zip Code:                                   |
| Phone: Email:  |   |
| Licensed Firm:   | AR License #:                               |
| Note: Required when using containment. Must be certified, working as an employee of the facility or licens   | sed firm. (21.503F, 21.606R, & 21.901G)     |
| SECTION VI: ASBESTOS MATERIAL  | 21.603 & 21.606F                            |
| Does the area being disturbed contain at least 160 sq./260 linear ft. of RACM  | ? YES NO                                    |
| Indicate the approximate amount of RACM to be removed:   |   |
| Indicate the type(s) to be removed:  |   |
| Examples of RACM include: ceiling material, plaster, insulation, ceiling tiles, resilient floor covering, spray o  |   |
| Does the area being disturbed contain at least 160 sq./260 linear ft. o resilient floor tile and/or associated mastic covering which contains ACN (even if no RACM is present)?  |   |
| Indicate the approximate amount of ACM to be removed:  |   |
| If performing a demolition, will 1 sq. ft. or more of ACM be left in place?  | ☐ YES ☐ NO                                  |
| SECTION VII: DEMOLITION PROJECT INFORMATION  | 21.601 & 21.606F                            |
| If demolishing in place, list the <b>type</b> of Category I/Category II ACM being left   | in place:                                   |
| <b>Examples of Category I ACM include:</b> resilient floor covering, asphalt roofing, gaskets, and packings. <b>Examples of Category II ACM excludes Category I nonfriable ACM and include:</b> mastic, boiler fire brid putty, shingles, etc. | k, concrete board, fire blankets, transite, |
| If demolishing in place, list the <b>amount</b> of Category I/Category II ACM being  | left in place:                              |
| What procedure/analytical method (i.e. PLM, TEM, assumed, etc.) used by presence of RACM or ACM (21.606E)?   | the inspector to detect the                 |

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|   | c and wet, contact AR licensed asbestos contractor, etc.) to be taken in car<br>OR previously non-friable asbestos material becomes crumbled, pulverize<br>6P):  |
|---|--|
| SECTION VIII: DEMOLITI Note: A copy of the order must b | ON ORDERED BY GOVERNMENT AGENCY 21.602 & 21.606  |
| Agency Name:  |  |
| Individual issuing order:                               | Title:   |
| Mailing Address:  |  |
|   | State: Zip Code:   |
| Phone: E  | mail:  |
|   |  |
|   | Date Order to begin:   |
| Method of Demolition:                                   |  |
| SECTION IX: RENOVATION                                  | ON PROJECT INFORMATION 21.603 & 21.60  |
|   | hods (i.e. PLM, TEM, Visible, etc.) will be used by the inspector to detect the  |
|   |  |
|   | to be performed and method(s) to be employed (include techniques to bed facility components (21.606J)):  |
| used and description of affects                         |  |
| Describe how (include work asbestos (21.606K):          | ed facility components (21.606J)):   |
| Describe how (include work asbestos (21.606K):          | ed facility components (21.606J)):  practices and engineering controls) you will prevent the emissions  in case unexpected asbestos is found OR previously non-friable asbest- ulverized or reduced to a powder (21.606P): |

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| Describe the Sudden, Unexpected Event:   |   |  |
|--|---|--|
| Explain how the event caused unsafe conditions, e  | equipment damage or I   | unreasonable financial burden:   |
| SECTION XI: WASTE TRANSPORT & DIS  | POSAL   | 21.606Q & 21.606   |
| Transporter Name:  |   |  |
| Mailing Address:   |   |  |
| City:  |   |  |
| Contact Person:  |   | Phone:   |
| Email:   |   |  |
| Permitted Waste Disposal Site Name:  |   |  |
| Mailing Address:   |   |  |
| City:  |   |  |
| Contact Person:  |   | Phone:   |
| Email:   |   |  |
| <b>SECTION XII: PAYMENT INFORMATION</b>  |   | 21.2214-21.2223 & 21.2301  |
| Payment Amount <sup>1</sup> : Cash on Delivery: S  | Check/  | Money Order²: #  |
| ☐ No Payment Required  |   |  |
| ☐ No Payment Required  1. Payment should accompany the NOI. Make chengy and Environment.   | necks/money order pay   | able to Arkansas Department o  |
| Payment should accompany the NOI. Make ch  |   | ·  |
| Payment should accompany the NOI. Make ch<br>Energy and Environment.   | emo section of the che  | ·  |
| Payment should accompany the NOI. Make chengy and Environment.     Include project identifying information in the materials.   | emo section of the che  | ck/money order.  |
| Payment should accompany the NOI. Make chengy and Environment.     Include project identifying information in the material statement is involved, I certify that at least one chent with the provisions of Regulation 21 will be on-site.  | TION  contractor supervisor trate during the abateme  Of its true and correct, ds for enforcement ac  | ck/money order.  sined and licensed in accordance at process and will supervise the  |
| <ol> <li>Payment should accompany the NOI. Make che Energy and Environment.</li> <li>Include project identifying information in the magnetic project identifying information at least one of with the provisions of Regulation 21 will be on-sit abatement. (21.606M)</li> <li>I certify that the information contained in this Not omission of relevant information shall be ground.</li> </ol>   | iemo section of the che TION  contractor supervisor tra te during the abateme  OI is true and correct. ds for enforcement acotection Agency.                        | ck/money order.  sined and licensed in accordance at process and will supervise the I understand that falsification of tion by Arkansas Department of                        |
| 1. Payment should accompany the NOI. Make che Energy and Environment. 2. Include project identifying information in the magnetic project identifying information at least one of with the provisions of Regulation 21 will be on-situated abatement. (21.606M)  I certify that the information contained in this Not omission of relevant information shall be ground Energy and Environment or the Environmental Project.   | TION  contractor supervisor trate during the abateme  Of is true and correct, ds for enforcement acted in Agency.   | ck/money order.  sined and licensed in accordance of process and will supervise the I understand that falsification of tion by Arkansas Department of                        |
| <ol> <li>Payment should accompany the NOI. Make che Energy and Environment.</li> <li>Include project identifying information in the magnetic project project identification in the magnetic project pr</li></ol> | rion  contractor supervisor tracte during the abateme  Of is true and correct, ds for enforcement acotection Agency.  | ck/money order.  sined and licensed in accordance int process and will supervise the I understand that falsification o tion by Arkansas Department of                        |
| 1. Payment should accompany the NOI. Make che Energy and Environment. 2. Include project identifying information in the magnetic street is involved, I certify that at least one of with the provisions of Regulation 21 will be on-sit abatement. (21.606M)  I certify that the information contained in this Not omission of relevant information shall be ground Energy and Environment or the Environmental Profoundation of Printed Name:  Owner/Operator Title:  Owner/Operator Title:   | TION  contractor supervisor tracted during the abateme  Of is true and correct, ds for enforcement acotection Agency.   | ck/money order.  sined and licensed in accordance of process and will supervise the I understand that falsification of tion by Arkansas Department of  Date:  rubber stamps. |
| 1. Payment should accompany the NOI. Make che Energy and Environment. 2. Include project identifying information in the minimum section XIII: CERTIFICATION/VALIDAT  If abatement is involved, I certify that at least one of with the provisions of Regulation 21 will be on-sit abatement. (21.606M)  I certify that the information contained in this Not omission of relevant information shall be ground Energy and Environment or the Environmental Profound Owner/Operator Printed Name:  Owner/Operator Title:  Owner/Operator Signature:  Signatures must be original: no photocopies, expayment should accompany the NOI. Make of the project of the province of th    | TION  contractor supervisor tracted during the abateme  Of is true and correct, ds for enforcement acotection Agency.   | ck/money order.  sined and licensed in accordance of process and will supervise the I understand that falsification of tion by Arkansas Department of  Date:  rubber stamps. |
| 1. Payment should accompany the NOI. Make che Energy and Environment. 2. Include project identifying information in the minimum section XIII: CERTIFICATION/VALIDAT  If abatement is involved, I certify that at least one converted with the provisions of Regulation 21 will be on-situated abatement. (21.606M)  I certify that the information contained in this Note omission of relevant information shall be ground Energy and Environment or the Environmental Profoundation Country (Operator Printed Name:  Owner/Operator Title:  Owner/Operator Signature:  Signatures must be original: no photocopies, expayment should accompany the NOI. Make of the project of the proje    | TION  contractor supervisor trate during the abateme  Of its true and correct, ds for enforcement acotection Agency.  Ilectronic signatures, ochecks payable to Ar  | ck/money order.  sined and licensed in accordance of process and will supervise the I understand that falsification of tion by Arkansas Department of  Date:  rubber stamps. |
| 1. Payment should accompany the NOI. Make che Energy and Environment.  2. Include project identifying information in the magnetic strategy and Environment.  SECTION XIII: CERTIFICATION/VALIDAT  If abatement is involved, I certify that at least one of with the provisions of Regulation 21 will be on-sit abatement. (21.606M)  I certify that the information contained in this Note omission of relevant information shall be ground Energy and Environment or the Environmental Profoundation of Printed Name:  Owner/Operator Printed Name:  Owner/Operator Signature:  Signatures must be original: no photocopies, examples and Environment.  ASB PROGRAM PERSONNEL USE ONLY  | TION  contractor supervisor tracted during the abateme  Of is true and correct, ds for enforcement acotection Agency.  Ilectronic signatures, ochecks payable to Ar | ck/money order.  sined and licensed in accordance of process and will supervise the I understand that falsification of tion by Arkansas Department of  Date:  rubber stamps. |

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### APPENDIX 3: ENVIRONMENTAL CONTROLS FOR OPEN BURNING

# When open burning of vegetative debris is utilized the following environmental controls are required to be maintained.

- Prevailing winds at the time of a burn event must be away from any city, town or airport, the ambient air of which may be affected by smoke from the burning.
- The location of the burn area shall be at least 500 feet from any dwelling other than a dwelling or structure located on the property on which the burning is conducted. The location of the burn area shall be at least 1000 feet from a school. The owner of the residence or school administrator may waive these requirements.
- If there is a potential or actual violation of federal or state air quality standard, the DEQ Director may require that:
  - a) Any and all burning be stopped; and/or
  - b) Any and all burning be rescheduled; and/or
  - c) An authorized open burning site be relocated.
- Open burning shall occur between 8:00 a.m. and 5:00 p.m., Monday through Friday.
- All open burning shall be conducted in a manner as to not create a nuisance to surrounding communities.
- During open burning, adequate firefighting personnel shall be available to respond to an emergency.
- Open burning may only be conducted if the county is in attainment with the National Ambient Air Quality Standards.
- Open burning may not be conducted if a burn ban is in effect for the county.

### APPENDIX 4: ENVIRONMENTAL CONTROLS FOR AN ACI

# When an Air Curtain Incinerator (ACI) is utilized the following environmental controls are required to be maintained.

- Prevailing winds at the time of a burn event must be away from any city, town or airport, the ambient air of which may be affected by smoke from the burning.
- The emission of smoke, suspended particulate matter, uncombined water, or any air contaminants or combinations thereof, that passes onto or across a public road and creates a traffic hazard, or intensifies an existing traffic hazard condition is prohibited.
- No accelerants shall be used to ignite waste. Use of a torch is recommended. Hazardous or contaminated unauthorized ignitable material shall not be place in the pit or box. This is to prevent contained explosions.
- The location of the burn area shall be at least 500 feet from any dwelling other than a dwelling or structure located on the property on which the burning is conducted. The location of the burn area shall be at least 1000 feet from a school. The owner of the residence or school administrator may waive these requirements.
- Open burning shall occur between 8:00 a.m. and 5:00 p.m., Monday through Friday. An
  operator shall be on site at all times the ACI is in operation. Piles of vegetative debris shall
  be of such size to allow complete reduction in this time interval. The box or pit design
  standards shall be maintained and the ACI shall not be operated if any equipment
  is malfunctioning.
- The amount of dirt on vegetative debris shall be minimized. Vegetative debris shall not be added to the ACI in such a manner as to be stacked above the air curtain.
- The debris shall not break the path of the airflow except during dumping. The pit shall be no longer than the length of the blower system and the pit should be loaded uniformly along its length.
- An ACI shall not be operated in a manner as to create a nuisance to surrounding communities.

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This list was correct as of 6.14.2021. For the most recent list of Local Emergency Management Coordinators, go to <a href="www.dps.arkansas.gov/emergency-management/adem/">www.dps.arkansas.gov/emergency-management/adem/</a> response/emergency-management-coordinators and click on the Local Emergency Management Coordinators link.