

DNR firewood specifications

The Contractor must deliver bundled, bulk or artificial firewood as specified, and provide delivery services as required by the Department. In order to prevent the spread of invasive species and disease, **all firewood should conform to the following specifications.**

1. **General Requirements.** (If selling Artificial Firewood, move to Section g. below).
 - a. **Heat Treatment:** The State of Michigan's preferred offering of firewood is that it has been heat treated to 140° Fahrenheit for 60 minutes.
 - i. The Department strongly prefers all firewood utilized on state land be heat treated in a USDA / APHIS certified kiln per Heat Treatment Schedule T314-c at 160° Fahrenheit for 75 minutes (Asian Longhorn Beetle) or Treatment Schedule T314-a at 140° Fahrenheit for 60 minutes (Emerald Ash Borer, Walnut Twig Beetle and Hemlock Woolly Adelgid).
 - ii. The Contractor will make efforts to convert to heat treated firewood.
 - iii. For kiln certification requirements or additional information on heat treatment schedules, please go to www.aphis.usda.gov.
 - iv. If a producer is certified by the USDA under the spongy moth quarantine, they are required to provide a report to the Department upon request that provides evidence of heat treatment to 140° Fahrenheit for 60 minutes (meets Michigan qualifications).
 - b. **Prevention of Invasive Species and Disease:** Contractor shall prevent the spread of invasive species and disease in the firewood through the following **MINIMAL PROCEDURES:**
 - i. Non-heat-treated firewood should be obtained and processed by the Contractor within the same county or 50 miles of the delivery location. The State defines the delivery location as the approximate center of the Park or Recreation Area. The transportation distance will not violate any Federal or State EAB (or other species) quarantine restrictions that may be in place. Non-heat-treated firewood may be moved fifty (50) miles within the EAB quarantine area (per National Firewood Task Force Recommendations), but must NOT be moved outside the quarantine area, even if the delivery location is within 50 miles; AND
 - ii. Contractor shall verify that any wood sourced will not violate any established quarantine areas; AND
 - iii. Non-heat-treated firewood should have had at least one (1) full year to dry (season) prior to transport to delivery location to help prevent the spread of oak wilt transmission, avoid wood infestation by exotic and native insects, and improve firewood quality; AND
 - iv. To avoid violation of federal interstate restrictions on the movement of wood or wood products, non-heat-treated firewood should be obtained and originate within the State of Michigan and certify this requirement **annually** by submitting a completed **Statement of Wood Origin** (see Attachment A).

- c. **Transportation:** All firewood, heat-treated and non-heat treated, must be transported in accordance with restrictions under Act 72 of the Public Acts of 1945, the Michigan Department of Agriculture's Hemlock Woolly Adelgid Interior State Quarantine and Thousand Canker Disease of Walnut Quarantine (see **Attachment B**). Ash wood shall not be moved within the State Parks and Recreation Areas, pursuant to Land Use Order of the Director #8.2.
- d. **All firewood:** Firewood must be bundled a minimum size of 10" wide x 10" high x 16" long, however, bidder may offer a larger alternate size bundle or bulk purchase with Department pre-approval. Bundled Firewood may be split log, slab wood, or a mixture of split log and slab wood.
- i. **Split Log Firewood:**
- (1) Each bundle must contain at least 60% hardwood, **excluding poplar, ash and hemlock.**
 - (2) Each bundle must contain no more than 10% bark.
 - (3) Each bundle must contain wood pieces of varying sizes.
 - (4) Each bundle must be comprised of at least 10 pieces of wood.
 - (5) The largest piece of wood no larger than 5" x 5" x 16", the smallest piece no smaller than 1" x 2" x 16".
- ii. **Slab Wood Firewood:**
- (1) Each bundle must contain at least 90% hardwood, **excluding poplar, ash and hemlock.**
 - (2) Each bundle must contain no more than 10% bark.
 - (3) Each bundle must contain wood pieces of varying sizes.
 - (4) Each bundle must be comprised of at least 12 pieces of wood.
 - (5) The largest piece of wood at least 4" x 8" x 16" and the smallest piece no smaller than 1.5" x 2" x 16".
- iii. **Mixed Split Log and Slab Wood Firewood:**
- (1) Each bundle must contain at least 90% hardwood, **excluding poplar, ash and hemlock.**
 - (2) Each bundle must contain no more than 10% bark.
 - (3) Each bundle must contain wood pieces of varying sizes.
 - (4) Each bundle must be comprised of at least 12 pieces of wood.
 - (5) The largest piece of wood at least 4" x 8" x 16" and the smallest piece no smaller than 1" x 2" x 16".
- iv. **Bulk firewood:**
- (1) Firewood may be sold in bulk quantities measurable by the cord, half cord or one-quarter cord, if pre-approved by the Unit Supervisor.
 - (2) Each cord shall be stacked 4' wide, 4' high, and 1' long.
 - (3) Each half cord shall be stacked 2' wide, 2' high, and 1' long.
 - (4) Each one-quarter cord shall be stacked 1' wide, 1' high, and 1' long.
 - (5) Customers shall be provided a measuring tool or container to assist with the purchase of the product.
- v. **Woodchips, mulch, soil, etc.:** All forms of firewood that are not split log, slab wood, or artificial wood are prohibited unless pre-approved by the Department.
- e. **Packaging:** Firewood bundles must be securely wrapped or banded with non-toxic, combustible material. The Department prefers that plastic film, plastic twine, plastic stretch

film, plastic shrink wrap, and metal bands not be used. A separate handle or handle formed from the wrapping material is desired.

- i.** Natural sisal twine must be new and must have a minimum tensile strength of 110 pounds and minimum knot strength of 60 pounds.
 - ii.** Synthetic twine must be biodegradable, non-toxic and harmless if eaten by animals or burned in a fire.
- f. Artificial Firewood:** Must be non-toxic, safe for food preparation, and packaged in non-toxic, combustible wrapping.

2. Warranties.

- a.** All firewood shall be dry and free from insects and disease at the time of delivery.
- b.** Department staff will notify the Contractor of any firewood bundles discovered to be unseasoned (green), damp or moldy. Within 48 hours of notification, the Contractor agrees to pick up, properly dispose of and replace any unseasoned (green), damp or moldy bundles free of charge.
- c.** The Department reserves the right to require additional warranties other than those identified in this Contract.

STATEMENT OF FIREWOOD ORIGIN
State of Michigan
Department of Natural Resources

Bundled, bulk and artificial firewood for resale at State Parks and Recreation Areas falls under the Authority of Act 72, P.A. 1945, Michigan Department of Agriculture Hemlock Woolly Adelgid Interior State Quarantine, and Land Use Order of the Director 8.2. Under Land Use Order 8.2 as issued by the Director of the Department of Natural Resources on May 2, 2005, a person shall not do any of the following upon state-owned lands administered by the department:

- (1) Possess ash wood upon any state lands unless that ash wood is without bark attached.
(2) Possess regulated deciduous cut firewood on state lands outside of a regulated area.
(3) A regulated area means those areas as defined by the emerald ash borer interior quarantine, published by the Michigan Department of Agriculture under the authority of insect pests and plant diseases, 1945 PA 72.
(4) Movement of regulated wood products out of Level I is prohibited, except with a Compliance Agreement.
(5) Movement of regulated wood products out of Level II is prohibited, except with a Compliance Agreement. (Regulated articles may be moved out of Level II into Level I without a Compliance Agreement).
(6) Regulated wood products may be moved out of a Non-Quarantined area into Level I or Level II without a Compliance Agreement.

Level I: The regulated areas include the following Counties in all sixty-eight (68) Counties of the Lower Peninsula.

Level II: The regulated areas include the following Counties of Alger, Baraga, Chippewa, Delta, Dickinson, Houghton, Keweenaw, Luce, Mackinaw, Marquette, Menominee, and Schoolcraft.

Protected Islands: The protected areas include the following Counties of Gogebic, Iron, and Ontonagon

NOTE: Michigan's emerald ash borer internal quarantine encompasses tribal lands. Each tribe may have in effect a similar quarantine that regulates the movement of ash wood products. The violation of quarantine regulations on tribal lands is also punishable by criminal prosecution.

VIOLATIONS AND PENALTIES:

Any regulated wood product from the quarantined area, moved within Michigan in violation of this quarantine shall be removed from the non-regulated area immediately or destroyed at the expense of the owner or owners, under the direction of the Director. Any violation of this quarantine is subject to the full authority of Act No. 72, Public Acts of 1945, as amended.

PRODUCER CERTIFIES:

Under penalty of law, I certify that the firewood products offered for sale at: (Location)
were obtained from the county(s) of

I also certify that the firewood products offered for sale do not include ash wood containing bark.

Name of Producer Business:

Signed: Dated:

Printed Name: