

567—117.4(455B,455D) Waste tire storage permits and requirements.**117.4(1) Storage quantity limitations.**

a. No business or individual shall store more than 500 passenger tire equivalents without obtaining a permit for a waste tire stockpile pursuant to 117.4(2).

b. Businesses or individuals may temporarily store up to 1,500 passenger tire equivalents without obtaining a waste tire stockpile permit, subject to the following requirements:

(1) The waste tires are stored only in a mobile container, truck, or trailer, provided or serviced by a registered waste tire hauler.

(2) The waste tires are removed by the waste tire hauler or delivered to a waste tire processor at least every 60 days.

(3) The waste tire generator has a written copy of a contract or service agreement for waste tire disposal services from a registered waste tire hauler.

c. A permitted municipal landfill or solid waste transfer station shall be allowed the storage of up to 1,500 passenger tire equivalents without a permit if the waste tires are removed at least every 120 days and are stored in a manner to minimize the collection of water.

d. Persons who use waste tires for an approved beneficial use shall not be required to obtain a waste tire stockpile permit, subject to their compliance with the provisions of rule 567—117.8(455B,455D).

117.4(2) Waste tire stockpile permit.

a. Any tire collector, business or individual storing more than 500 passenger tire equivalents on any one site must obtain a waste tire stockpile permit. An authorized vehicle recycler, as licensed by the Iowa department of transportation, may store up to 3,500 passenger tire equivalents without a waste tire stockpile permit; any storage beyond this amount shall require full compliance with this subrule. This subrule is applicable to the indoor, outdoor, and underground storage of waste tires. If the site cannot meet the conditions to obtain a waste tire stockpile permit, the waste tires must be removed from the site and properly disposed of within 30 days.

b. Any tire collector, business, individual, owner or operator of a site seeking to construct a waste tire stockpile must obtain the permit from the department before initiating such operations. The permit shall be issued directly to the owner of the site and the designated tire collector that will be operating the stockpile.

c. Permits shall have an annual fee of \$850, payable to the department upon the application for a permit, and due annually beginning each July 1 thereafter at the rate of \$850. Permit fees shall not be prorated. The permit shall be valid for a period of three years from date of issuance. Failure to remit the annual renewal fee shall be cause for the department to revoke the permit.

d. Application for a permit must be made on a form provided by the department and must include, at a minimum, the following:

(1) The name, address, and telephone number of the individual who directly owns the stockpile site.

(2) The name, address, and telephone number of the tire collector at the stockpile site, if different from the owner.

(3) A scaled map showing the areas proposed to be used for the storage of the waste tires, all property boundaries of the site, and the location of all buildings and major improvements on the site and within 300 feet of the property boundary.

(4) A vector control plan to prevent infestations of mosquitoes and rodents for aboveground storage in an open area. The plan shall be prepared by a firm that provides professional vector management services, or by the permittee, if properly trained and certified in vector control procedures. The permittee must provide documentation to show adequate implementation and monitoring of the vector control plan.

(5) A site closure plan. The plan shall describe the actions that would be taken to properly dispose of waste tire materials at the site 30 days prior to any intent to discontinue operations at the site so that, upon discontinuance of the operation, no violations of waste tire or solid waste disposal laws and regulations will exist.

(6) An emergency response and remedial action plan, developed and implemented according to applicable provisions of 567—102.16(455B). The plan shall be developed with the input and review of the local fire department and local emergency management coordinator. The applicant shall provide documentation that an opportunity for such input and review has been received by these local authorities.

- (7) A financial assurance instrument in compliance with rule 567—117.7(455B,455D).
- (8) A certified check for \$850 made payable to the Department of Natural Resources.

117.4(3) Permitted storage requirements. A permitted waste tire stockpile site shall meet the following minimum permit conditions as set by the department:

a. Aboveground storage, open area.

- (1) A waste tire stockpile site shall not contain more than 250,000 passenger tire equivalents.
- (2) A single waste tire pile shall not contain more than 50,000 cubic feet of waste tires.
- (3) The vertical dimension of a waste tire pile shall not exceed 10 feet.
- (4) A single waste tire pile shall not be more than 100 feet in length.
- (5) The surface area covered by a waste tire pile shall not exceed 5,000 square feet; the pile may not be constructed upon any waste tire materials or other flammable materials.
- (6) A 50-foot fire lane must be maintained between any two tire piles.
- (7) Tire bales shall be stored in piles no greater than 10 feet in height, 25 feet in width, or 50 feet in length, with a separation distance of 50 feet between piles of tire bales.
- (8) All waste tire piles shall be located at least 50 feet from any building.
- (9) Trees and brush shall be cleared within 50 feet of any tire pile.
- (10) Combustible materials or volatile chemicals shall not be stored within 50 feet of any tire pile unless stored in approved fire-resistant containers or cabinets.
- (11) A 20-pound Class ABC dry chemical fire extinguisher shall be available within 100 feet of any one portion of the tire storage areas.
- (12) The site must be graded to prevent any standing pools of water and to limit the runoff and run-on of precipitation.
- (13) A waste tire pile must be at least 200 feet from any well, lake, pond, river, stream, sinkhole, or tile line surface intake unless appropriate grading, or the construction of a barrier, dike, or berm, is completed to intercept surface water flows that may impact such interceptors. This distance may then be reduced to 50 feet.
- (14) The stockpile site must be secured by a fence or barrier of a minimum of 6 feet in height to impede unauthorized vehicle and personal access. All gates and entry points shall be secured and locked when site personnel are not present.
- (15) No open burning of any type shall be allowed at the permitted stockpile site. All fueling of vehicles and equipment and any other work or activity that may release sparks or flame shall be conducted at least 50 feet from any tire storage area.
- (16) Signs shall be posted every 100 feet on site, placed for visibility of personnel on site, and state: "Open burning on-site prohibited." The perimeter of the site shall be posted with signs every 100 feet, placed for visibility to those off site, that state: "Highly flammable materials on-site. Burning in area not recommended."
- (17) All waste tire piles shall be located at least 300 feet from any property line, street, or public right-of-way.

b. Aboveground storage, enclosed area. Storage of waste tires shall comply with the requirements of 117.4(3) "a," subparagraphs (2) through (7), and the following:

- (1) To qualify as an enclosed area, the area must be enclosed in a structure with a permanent roof and lateral protection to prevent precipitation from accumulating within the tires.
- (2) An enclosed storage structure shall not contain more than 50,000 passenger tire equivalents.
- (3) Combustible materials or volatile chemicals shall not be stored in a structure permitted for tire storage unless stored in approved fire-resistant containers or cabinets.
- (4) A 20-pound Class ABC dry chemical fire extinguisher shall be available within 50 feet of any one portion of the tire storage areas.
- (5) The storage structure must be secured from unauthorized access.
- (6) No open burning of any type shall be allowed at the permitted stockpile site. All fueling of vehicles and equipment and any other work or activity that may release sparks or flame shall be conducted at least 50 feet from any tire storage area. The exterior of the enclosed storage area shall be posted with

signs, placed every 100 feet, that state: "Highly flammable materials stored inside. Burning on-site prohibited."

c. Underground storage. To qualify as an underground waste tire storage site, the site must meet the following conditions:

- (1) The site must be a licensed grain warehouse.
- (2) All underground storage areas must be dry and not prone to the entry of surface water or groundwater.
- (3) The underground storage areas must be secured from unauthorized access by locking gates, doors, barriers, or other devices.
- (4) The site shall not store any volatile chemicals or other combustible materials within 150 feet of the tire storage area.
- (5) For tires placed for storage after July 1, 2002, all such storage areas shall have access lanes, not less than 50 feet in width, arranged so that no portion of the storage area is more than 150 feet from an access lane.
- (6) For tires placed for storage after July 1, 2002, the tires shall not be buried by debris, rubble, or other cover within the underground storage site.
- (7) The underground storage site shall be limited to a maximum storage capacity of 4 million passenger tire equivalents.

117.4(4) *Reporting requirements.* The holder of a permit for a waste tire stockpile facility shall make a semiannual report to the department on a form as provided or approved by the department. The report shall state the following:

- a.* Quantity of waste tires stored at the facility at the time of reporting, determined by count or weight and reported in passenger tire equivalents.
- b.* Quantity of waste tires received from in-state sources during the reporting period.
- c.* Quantity of waste tires received from out-of-state sources during the reporting period.
- d.* For any waste tires removed from the permitted stockpile site during the reporting period, the quantity shall be given by equivalent count or weight of such waste tires removed. Documentation shall be provided to denote how the reported quantity of tires were disposed of at a permitted facility, reused, or resold.