

Tire Storage & Disposal Standards

Title 14 California Code of Regulations (14 CCR) section 17350 – Applicability

- (a) A waste tire facility, including a permitted facility and a facility excluded or exempt from permitting requirements, that stores a total of 500 or more waste tires, or a solid waste facility that stores a total of 500 or more waste tires, shall comply with the technical and operational requirements of Division 7, Chapter 3, Article 5.5 of Title 14 of the California Code of Regulations. Any tire in a pile or tires that cannot be verified by the Department or a representative of the Department, at the time of inspection, as meeting the requirements of Public Resources Code section 42806.5 shall be counted as waste tires.
 - (1) Waste tires stored outdoors shall comply with the technical and operational standards set forth in sections 17351 through 17354, and sections 17357 through 17359 of this Article.
 - (2) Waste tires stored indoors shall comply with the technical and operational standards set forth in sections 17351, 17352, 17353, and sections 17356 through 17359 of this Article.
- (b) Waste tires that are disposed of by burying at a solid waste disposal facility are addressed in section 17355 of this Article.
- (c) For purposes of determining the applicability of this Chapter, altered waste tires shall be counted as passenger tire equivalents as that term is defined in section 17225.770 of this Chapter.
- (d) The Department and/or the authorized representative of the Department for a jurisdiction in which a waste tire facility or solid waste facility is located may inspect any waste tire facility that is permitted, excluded, exempt, or otherwise authorized by the Department, statute or regulation. This inspection may be for compliance with applicable technical, operational and/or disposal standards, and waste tire facility permit terms and conditions.
- (e) Nothing in this Article shall be construed as relieving any owner or operator from obtaining and operating under the terms and conditions of the California Fire Code, all use permits, business licenses, and other approvals required by applicable local fire code authorities and local governments.
- (f) All waste tire facilities shall comply with recordkeeping requirements in sections 17357 and 17358 of this Article.

14 CCR 17351-Fire Prevention Measures

Pursuant to the California Fire Code, Title 24 of the California Code of Regulations, sections 3201.1 through 3210.1, 3404.1 through 3408.2, which are hereby incorporated by reference, any person storing 500 or more waste tires shall meet the following requirements:

- (a) The operator of the waste tire facility or solid waste facility shall demonstrate that they have prepared and submitted a fire safety plan to the fire code official having jurisdiction over a particular facility for review and approval. The fire safety plan shall include provisions for fire department vehicle access. At least one copy of the most recent, up-to-date fire safety plan and, if applicable, any approvals shall be made available at the time of inspection and at the time of application for a new permit, permit review or permit revision.

- (b) Communication equipment shall be maintained at all waste tire facilities and solid waste facilities, if they are staffed by an attendant, to ensure that the site operator can contact local fire authority in the event of fire. The telephone number of the local fire authority and location of the nearest telephone shall be posted conspicuously in attended locations.
- (c) Adequate equipment to aid in the control of fires shall be provided and maintained at the waste tire facility or solid waste facility at all times. At a minimum, the following items shall be maintained on site and in working order at all times:
 - (1) Buildings or structures shall be equipped with portable fire extinguishers in accordance with Section 906 of the California Fire Code;
 - (2) One (1) pike pole or comparable pole at least 10 feet in length to separate burning from non-burning tires;
 - (3) One (1) round point and one (1) square point shovel; and
 - (4) One (1) portable fire extinguisher with a minimum rating of A:40-B:C shall be carried on each piece of fuel-powered equipment used to handle waste tires;
- (d) An adequate water supply shall be available for use by the local fire authority. The water supply shall be capable of delivering at least 1,000 gallons per minute for a duration of at least three hours and at least 2,000 gallons per minute for a duration of at least three hours if the sum of altered plus whole waste tires exceeds 10,000. The water supply shall be arranged such that any part of the storage yard can be reached by using not more than 500 feet of hose.
- (e) The following precautions against fire shall be maintained at the waste tire facility or solid waste facility at all times:
 - (1) No open burning.
 - (2) Open flame, cutting, welding, or heating devices, blow torches, or highly flammable materials, including, but not limited to, inner tubes, are prohibited within 40 feet of waste tires.
 - (3) No smoking, except in designated areas.
 - (4) Tire storage piles shall not be located beneath electrical power lines having a voltage in excess of 750 volts or that supply power to fire emergency systems.
- (f) All of the requirements of subsections (a) through (e) above shall apply unless the local fire authority having jurisdiction over a particular facility determines that a different requirement is necessary or adequate to meet the intent of these regulations for fire control and the protection of life and property. This may include the availability of earth moving equipment or other approved means to control the tire fire. Any change in, or any new, local fire authority requirements that affect the requirements in this Article shall be reported to the Department by the operator within 30 days after their effective date. Any alternative requirements approved by the local fire authority shall be subject to Department concurrence at the time of issuance or review of the permit.

14 CCR 17352-Facility Access and Security

- (a) Signs - for facilities open to the public a sign shall be posted at the facility entrance stating the name of the operator, operating hours, and site rules.
- (b) Attendant - An attendant shall be present when the facility is open for business if the facility receives tires from persons other than the operator of the facility.
- (c) Access - An access road to the facility must be maintained passable for emergency equipment and vector control vehicles at all times. Unauthorized access must be strictly controlled.

14 CCR 17353(a)-Vector Control Measures

- (a) All waste tires shall be stored in a manner which prevents the breeding and harborage of mosquitoes, rodents, and other vectors by any of the following means:
- (1) Cover with impermeable barriers other than soil to prevent entry or accumulation of precipitation; or
 - (2) Use of treatments or methods to prevent or eliminate vector breeding as necessary, provided the control program is approved as appropriate and effective by the local vector control authority, if such authority exists. If no local vector control authority exists, the local Environmental Health Department or other local agency with authority over vector control shall approve the vector control plan. Any control program approved by the local vector control authority shall be subject to Board concurrence at the time of issuance or renewal of the waste tire facility permit.

14 CCR 17354- Storage of Waste Tires Outdoors

- (a) Waste tires stored outdoors shall be stored as prescribed in the subsections below, and pursuant to the California Fire Code, Title 24 of the California Code of Regulations, sections 3405.1 through 3405.9, which are hereby incorporated by reference.
- (b) All of the requirements in subsections (c) through (j) below shall apply to the storage of waste tires unless, for any particular requirement, the local fire authority having jurisdiction over a particular facility determines that a different requirement is necessary or adequate to meet the intent of these regulations for the prevention of fire and the protection of life and property. Any change in, or any new, local fire authority requirements that affect the requirements in this Article shall be reported to the Department by the operator within 30 days after their effective date. Any alternative requirements approved by the local fire authority shall be subject to Department concurrence at the time of issuance or review of the permit.
- (c) Storage of waste tires shall be restricted to individual piles that do not exceed 5,000 square feet of contiguous area. Pile width shall not exceed 50 feet. Any pile shall not exceed 50,000 cubic feet in volume or 10 feet in height.
- (d) Tire storage piles containing less than 500 waste tires shall be located no closer than 10 feet from lot lines or buildings; however, tire piles containing less than 500 waste tires may be stored within 10 feet of lot lines or buildings after the operator has obtained approval from the fire code official. Waste tire piles containing less than 500 waste tires shall not exceed 6 feet in height when within 20 feet of any property line, building, or perimeter fencing. Side slopes shall not exceed 60 degrees.
- (e) Tire storage piles containing 500 or more waste tires shall be located at least 50 feet from lot lines and buildings, unless the facility is a waste tire facility described in subsections (1) through (4) below.
- (1) Where the waste tire facility has obtained approval from the fire code official and the waste tires are stored at an exempt or excluded site defined in 14 CCR section 17225.822, tire storage piles may be located within 50 feet but no closer than 10 feet from lot lines or from buildings.
 - (2) Where the waste tire facility has obtained approval from the fire code official and the waste tires are stored at a permitted minor waste tire facility, tire storage piles may be located closer than 50 feet but no closer than 10 feet from lot lines and 50 feet from buildings.
 - (3) Where waste tires are stored at a minor waste tire facility that was issued a minor waste tire facility permit prior to January 1, 2011, tire storage piles may be located closer than 50 feet but no closer than 10 feet from lot lines and 50 feet from buildings.

- (4) In no case shall the waste tire storage piles exceed 6 feet in height when within 20 feet of any lot line or perimeter fencing, and side slopes shall not exceed 60 degrees.
- (f) Any individual waste tire pile shall be separated from any other waste tire pile, combustible ground vegetation, stored used tires, waste tire material, or products made from tires, by a distance of at least 40 feet.
- (g) Waste tire piles shall not be located under bridges, elevated trestles, elevated roadways, or stored in an area where they may be subjected to immersion in water during a 100-year storm unless the owner or operator demonstrates that the waste tire facility or solid waste facility will be designed and operated so as to prevent waste tires from migrating off-site.
- (h) At a waste tire facility or solid waste facility storing more than 150,000 cubic feet of waste tires, adjacent individual waste tire piles shall be considered a group, and the aggregate volume of storage piles in a group shall not exceed 150,000 cubic feet. Each group shall be separated from any other group by a distance of at least 75 feet.
- (i) Tires must be removed from rims immediately upon arrival at the waste tire facility or solid waste facility. Tires temporarily attached to rims awaiting removal shall be stored separate from other waste tires.
- (j) The waste tire facility or solid waste facility shall be designed and constructed to provide protection to bodies of water from runoff of pyrolytic oil resulting from a potential tire fire.

14 CCR 17355-Disposal of Waste Tires at Solid Waste Disposal Facilities

- (a) Waste tires may not be landfilled in a solid waste disposal facility which is permitted pursuant to Chapter 3 of Part 4 of the Public Resources Code, commencing with section 44001, unless they are permanently reduced in volume prior to disposal by shredding, or other methods subject to solid waste Enforcement Agency approval and Department approval.
- (b) The requirement of subsection (a) shall not apply to waste tires received which are commingled with municipal solid waste that arrive in loads, where the waste tires comprise less than one-half of one (0.5) percent by weight of the total load, or where the waste tires inadvertently arrive in homeowner delivered household loads of mixed waste and are not readily removable from the waste stream.
- (c) All waste tires stored at a solid waste disposal facility shall meet the requirements of this Article.

14 CCR 17356-Storage of Waste Tires Indoors

- (a) Waste tires stored indoors shall be stored in the manner prescribed in the subsections below, and pursuant to the California Fire Code, Title 24 of the California Code of Regulations, sections 3201.1 through 3210.1, 3403.1 through 3403.4 and 3409.1, which are hereby incorporated by reference:
- (1) Waste tires stored adjacent to or along one wall shall not extend more than 25 feet from such wall.
- (2) Waste tire piles shall not exceed 50 feet in width in any one direction. Where waste tires are stored on-tread, standing side by side in rows, the dimension of the pile in the direction of the wheel hole shall not be more than 50 feet.
- (3) Waste tires shall not be stored in exits or enclosures for stairways or ramps, or in boiler rooms, mechanical rooms, or electrical equipment rooms.
- (4) Waste tires shall not be stored within 2 feet or less from the ceiling in nonsprinklered areas of a building.

- (5) Waste tires shall not be stored within 18 inches or less below sprinkler head deflectors in sprinklered areas of a building.
- (6) Where the top of the storage of waste tires is greater than six feet in height waste tires shall be stored in accordance with the following:
 - (A) Waste tire facilities and solid waste facilities with an indoor storage area between 500 square feet and 2,500 square feet shall maintain aisles with access to exits and fire access doors in accordance with the following requirements:
 - (1) In sprinklered buildings aisles shall be a minimum of 44 inches wide.
 - (2) In nonsprinklered buildings aisles shall be a minimum of 96 inches wide.
 - (3) The required aisle width shall extend from floor to ceiling.
 - (B) Waste tire facilities and solid waste facilities with an indoor storage area exceeding 2,500 square feet shall maintain aisles with access to exits and fire access doors in accordance with the following requirements:
 - (1) In nonsprinklered buildings aisles shall be a minimum of 96 inches wide.
 - (2) In sprinklered buildings where the waste tire piles are accessible to the public aisles shall be a minimum of 96 inches wide.
 - (3) In sprinklered buildings where the waste tire piles are not accessible to the public aisles shall be a minimum of 44 inches wide.
 - (4) The required aisle width shall extend from floor to ceiling.
 - (C) For waste tire facilities or solid waste facilities with a storage area of 500 square feet or less, the dimensions of the waste tire piles shall not exceed 50 feet in any direction.
 - (D) For waste tire facilities or solid waste facilities with a storage area greater than 500 square feet the dimensions of the waste tire piles shall not exceed 50 feet in any direction, 30 feet in height, and 75,000 cubic feet in volume.
 - (E) No waste tire facility or solid waste facility shall store waste tires in an area greater than 500,000 square feet.
 - (F) Waste tire facilities and solid waste facilities with an indoor storage area greater than 500 square feet shall be equipped with an automatic fire extinguishing system that has been described by the operator in the fire safety plan required by section 17351(a).
 - (G) Waste tire facilities and solid waste facilities with an indoor storage area greater than 2,500 square feet shall be equipped with smoke and heat vents that have been described by the operator in the fire safety plan required by section 17351(a).
- (b) For purposes of determining the square footage of storage space described in subsection (a) above, the aggregate of all waste tire storage areas within a building which are designated, intended, proposed or actually used for storing waste tires at a maximum height of more than six feet shall be used, unless such areas are separated from each other by 1-hour fire barriers that have been approved by the local fire code official. Openings in 1-hour fire barriers shall be protected by opening protectives having a 1-hour fire protection rating.

- (c) The requirements in subsections (a) and (b) above shall apply unless the local fire authority having jurisdiction over a particular facility determines that a different requirement is necessary or adequate to meet the intent of these regulations for fire control and the protection of life and property. Any change in, or any new, local fire authority requirements that affect the requirements in this Article shall be reported to the Department by the operator within 30 days after their effective date. Any requirements approved by the local fire authority shall be subject to Department concurrence at the time of issuance or review of the permit.

14 CCR 17357-Recordkeeping

- (a) A waste tire facility shall create and maintain records documenting the quantity of waste tires received, stored and shipped from the site on a quarterly basis. The records may include log entries describing the methods of receipt and removal of the waste tires, the number of waste tires received and removed, the name of the person employed to deliver or remove the waste tires, and Manifest Forms.
- (b) A waste tire facility shall retain waste tire records as set forth in subsection (a) for three (3) years at the facility location. A facility described in section 18103 or section 18420.1 of Title 14 of the California Code of Regulations may retain waste tire records offsite if it notifies the Department of the location where all the records are maintained. On request, a waste tire facility shall provide the records to an authorized Department representative.

14 CCR 17358 - Waste Tire Transportation

A waste tire facility or solid waste facility shall not give, contract, or arrange with another person for transportation of waste or used tires unless that person is a registered waste tire hauler or is exempt from the registration requirement pursuant to Public Resources Code section 42954.

14 CCR 17359 - Tire Derived Product Handling

- (a) A person asserting that material meets the definition of tire derived product as set forth in Public Resources Code section 42805.7 shall provide, on request of a Department representative, documentation that:
- (1) The material was acquired through a purchase from a separate and distinct waste tire facility, and
 - (2) The material has been accumulated for the purpose of a larger project and does not require further reduction in size. This documentation may include contracts or bids for projects requiring the use of tire derived product.
- (b) Waste tire material shall not be considered tire derived product if the material is located on property owned or operated by the processing facility at which it was generated.
- (c) Material not meeting the requirements in subsection (a) and (b) shall be considered waste tires.

14 CCR 18462 – Manifest System Requirements for Waste Tire Generators

- (a) A waste tire generator shall not give, contract, or arrange with another person to transport waste or used tires unless that person is a registered waste tire hauler or is exempt under Public Resources Code Section 42954.
- (b) As provided in Section 18459.3(a), a waste tire generator shall retain a Department approved EDT form, completed CTL Form, or freight transport documentation provided by the waste or used tire hauler at their place of business for 3 years. For shipments to the port, the waste tire generator shall also retain the confirming freight transport documents at their place of business for three years.
- (c) If waste or used tires are removed from the generator's location by a registered waste tire hauler and a completed Manifest Form is not provided, the generator shall complete a CalRecycle 204 (New 8/05) within 48 hours of the tire removal and submit the CalRecycle 204 (New 8/05) to the Department within 90 days.
- (d) If waste or used tires are removed from a generator location in a manner not requiring manifesting as described in this Article, for each separate or commingled load of waste or used tires removed, the generator shall document the removal method, number of tires removed, and person employed to remove the waste or used tires from the generator location.
 - (1) The documentation described in subsection (d) shall include, but not be limited to:
 - (A) Bills of lading, receipts, and monthly billing statements between the generator and the person employed to remove the waste or used tires, and the contact information for that person, and
 - (B) Daily log entries prepared by the generator detailing the accumulation and removal of waste or used tires, the types of tires, and dates of removal.
 - (2) The documentation described in subsection (d) shall be retained for three (3) years and shall be made available to an authorized representative of the Department upon request.