



**COUNTY OF LOS ANGELES
FIRE DEPARTMENT
FIRE PREVENTION DIVISION**

RADIOACTIVE MATERIALS PERMIT REQUIREMENTS

Appendix Chapter 1, section 105.6.37.1 of the Los Angeles County Fire Code states that permits required by the Fire Code shall be obtained from the fire code official. An operational permit is required to store or handle at any installation more than 1 microcurie (37,000 becquerel) of radioactive material not contained in a sealed source or more than 1 millicurie (37,000,000 becquerel) of radioactive material in a sealed source or sources, or any amount of radioactive material for which a specific license from the Nuclear Regulatory Commission is required. See Chapter 27 of this code. Los Angeles County Fire Code.

Storage- Storage of radioactive/hazardous materials in amounts exceeding the maximum allowable quantity per control area as set forth in Section 2703.1 shall be in accordance with Sections 2701, 2703 and 2704. Storage of hazardous materials in amounts not exceeding the maximum allowable quantity per control area as set forth in Section 2703.1 shall be in accordance with Sections 2701 and 2703. Retail and wholesale storage and display of nonflammable solid and nonflammable and noncombustible liquid hazardous materials in Group M occupancies and Group S storage shall be in accordance with Section 2703.11.

Storage conditions. The maximum quantity and storage arrangement of radioactive materials to be stored in buildings or rooms designed for such purposes shall be in accordance with the requirements of the Nuclear Regulatory Commission, state and local authorities. Storage, handling, and use of radioactive materials in Group H, Division 8 Occupancies shall comply with the radiation control regulations of the California Department of Health Services, as found in Title 17, *California Code of Regulations*. Storage of contaminated combustible materials shall be in tightly closed noncombustible containers which do not contain other waste. Special attention shall be given to prompt disposal of combustible wastes contaminated with oxidizing materials that are subject to spontaneous heating.

Indoor Storage Indoor storage of radioactive materials in amounts exceeding the exempt amounts set forth in accordance with chapter 27 Sec. 2704.3.1

Detection Areas used for storage of radioactive materials shall be provided with detection equipment suitable for determining surface level contamination at levels that would present a short-term hazard condition. Such detection equipment is allowed to be maintained at a location other than the storage area but shall be on the premises.

Storage of contaminated combustible materials shall be in tightly closed noncombustible containers that do not contain other waste. Special attention shall given to prompt disposal of combustible wastes contaminated with oxidizing materials that are subject to spontaneous heating.

Container Quantity Limits The quantity of material in any given container shall not exceed 2 millicuries (7.4×10^7 becquerels) for alpha emitters, 200 curies 7.4×10^{12} becquerels) for beta emitters or 0.1 curies (3.7×10^9 becquerels) for gamma emitters.

Outdoor Storage Outdoor storage of radioactive materials in quantities exceeding the exempt amounts set forth in Section 8001.13 shall be in accordance with Sections 8003.1 and 8003.13.2.

Distance from Storage to Exposures Outdoor storage shall not be within 20 feet (6096mm) of property lines, streets alleys, public ways or exits to a public way. An unprotected two-hour fire-resistive wall extending not less than 30 inches (762mm) above and the side of the storage area is allowed in lieu of such distance. Outdoor storage shall not be within 20 feet (6096mm) of buildings unless the building exterior walls are not less than one-hour fire-resistive construction. Storage shall not be within 10 feet (3048mm) from building openings. Building openings less than 20 feet (6096mm) from outdoor storage shall be protected by a fire assembly having a 45-minute fire-resistive rating.

Storage Conditions Storage shall be arranged in accordance with Nuclear Regulatory Commission, state and local requirements.

Additional
Requirements _____
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