



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

HAZARDOUS PRODUCTION MATERIAL PERMIT REQUIREMENTS

Appendix Chapter 1, section 105 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, handle or use hazardous production materials. See Chapter 18 for complete requirements. Additional requirements may be applicable.

HAZARDOUS PRODUCTION MATERIAL (HPM). A solid, liquid or gas associated with semiconductor manufacturing that has a degree-of-hazard rating in health, flammability or reactivity of Class 3 or 4 as ranked by NFPA 704 and which is used directly in research, laboratory or production processes which have as their end product materials that are not hazardous.

Emergency control station. An emergency control station shall be provided in accordance with Sections 1803.1.1 through 1803.1.3. The emergency control station shall be located on the premises at an approved location outside the fabrication area. Trained personnel shall continuously staff the emergency control station. The emergency control station shall receive signals from emergency equipment and alarm and detection systems.

Systems, equipment and processes. In addition to the requirements in Section 1803.2, systems, equipment and processes shall also comply with Section 2703.2, other applicable provisions of this code, the California Building Code and the California Mechanical Code.

Emergency plan. An emergency plan shall be established as set forth in Section 408.4.

Maintenance of equipment, machinery and processes. Shall comply with Section 2703.2.6.

Security of areas. Areas shall be secured in accordance with Section 2703.9.2.

Electrical wiring and equipment. Electrical wiring and equipment in fabrication areas shall comply with the California Electrical Code. Electrical equipment and devices within 5 feet (1524 mm) of workstations in which flammable or pyrophoric gases or flammable liquids are used shall comply with the California Electrical Code for Class I, Division 2 hazardous locations. Workstations shall not be energized without adequate exhaust ventilation in accordance with Section 1803.14.

Exit access corridors and exit enclosures. Hazardous materials shall not be used or stored in exit access corridors or exit access enclosures.

Automatic sprinkler system. An approved automatic sprinkler system shall be provided in accordance with Sections 1803.10.1 through 1803.10.5 and Chapter 9.

Manual fire alarm system. A manual fire alarm system shall be installed throughout buildings containing a Group H-5 occupancy. Activation of the alarm system shall initiate a local alarm and transmit a signal to the emergency control station. Manual fire alarm systems shall be designed and installed in accordance with Section 907.

Emergency alarm system. Emergency alarm systems shall be provided in accordance with Sections 1803.12.1 through 1803.12.3, Section 2704.9 and Section 2705.4.4. The maximum allowable quantity per control area provisions of Section 2704.1 shall not apply to emergency alarm systems required for HPM.

Continuous gas detection systems. A continuous gas detection system shall be provided for HPM gases when the physiological warning threshold level of the gas is at a higher level than the accepted permissible exposure limit (PEL) for the gas and for flammable gases in accordance with Sections 1803.13.1 through 1803.13.2.2.

Exhaust ventilation systems for HPM. Exhaust ventilation systems and materials for exhaust ducts utilized for the exhaust of HPM shall comply with Sections 1803.14.1 through 1803.14.3, other applicable provisions of this code, the California Building Code and the California Mechanical Code.

Emergency power system. An emergency power system shall be provided in Group H-5 occupancies where required by Section 604. The emergency power system shall be designed to supply power automatically to required electrical systems when the normal supply system is interrupted.

Fabrication areas. Hazardous materials storage and the maximum quantities of hazardous materials in use and storage allowed in fabrication areas shall be in accordance with Sections 1804.2.1 through 1804.2.2.1. The use of hazardous materials in fabrication areas shall be in accordance with Sections 1805.2.1 through 1805.2.3.5.

Indoor storage outside of fabrication areas. The indoor storage of hazardous materials outside of fabrication areas shall be in accordance with Sections 1804.3.1 through 1804.3.3.

Transportation and handling. The transportation and handling of hazardous materials shall comply with Sections 1805.3.1 through 1805.3.4.1 and other applicable provisions of this code.

Workstations. Workstations in fabrication areas shall be in accordance with Sections 1805.2.3.1 through 1805.2.3.5.

Additional
Requirements _____
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