

**HIGH PILE STORAGE/
FUEL DISPENSING
STATION
INSPECTION CHECK
LIST**

**Fire Prevention
County of Merced**

Purpose:

To perform an annual fire inspection in order to issue an operational permit, and to review and update findings for your pre-plan.

Procedure:

These items are to be turned in to the Fire Department prior to time of inspection:

- Payment of fees
- Operational Fire Permit Application

Post Inspection Procedure:

- Please have all the corrective actions completed by the next re-inspection date.
- Please refer to code references on violations listed on pages 3-5.

Note violations:

No Violations: _____ Violations Found: _____

Compliance Re-inspection shall be made in or on: _____ days/ date.

Received By: _____ Date: _____

Print Name: _____

Inspected By: _____ Date: _____

PASS	N/C	N/A	CODE
			(CFC 505.1) Address identification. New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property.
			(CFC 506.1) Key Box/Knox. Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the fire code official is authorized to require a key box to be installed in an approved location.
			(CFC 503.4) Obstruction of fire apparatus. Obstruction of fire apparatus access roads. Fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles.
			(CFC 503.3) Fire lane marking. Where required by the fire code official, approved signs or other approved notices or markings that include the words NO PARKING-FIRE LANE shall be provided for fire apparatus access roads to identify such roads or prohibit the obstruction thereof.
			(CFC 310) Smoking. Post and enforce "NO SMOKING" signs.
			(CFC 507.5.4) Obstruction of hydrants. Unobstructed access to fire hydrants shall be maintained at all times. The fire department shall not be deterred or hindered from gaining immediate access to fire protection equipment or fire hydrants.
			(CFC 507.5.6) Hydrant protection. Where fire hydrants are subject to impact by a motor vehicle, guard posts or other

		approved means shall comply with Section 312.
		(CFC 304.3.3) Dumpsters. Dumpsters and containers with an individual capacity of 40.5 cubic feet or more shall not be stored in buildings or placed within 5 feet combustible walls, openings or combustible roof eave lines.
		(CFC 304.3.2) Waste containers. Containers with a capacity exceeding 5.33 cubic feet (40 gallons) shall be provided with lids. Containers and lids shall be constructed of noncombustible materials.
		(CFC 605.1) Electrical hazards. Identified electrical hazards shall be abated. Identified hazardous electrical conditions in permanent wiring shall be brought to the attention of the responsible code official. Electrical wiring, devices, appliances and other equipment that is modified or damaged and constitutes an electrical shock or fire hazard shall not be used. <i>*Including unprotected light bulbs on mounted light fixtures or light poles, and unprotected outlets</i>
		(Merced County Code 9.25.010) Weed abatement. The ordinance codified in this chapter is enacted to provide for the removal of weeds, rubbish, and other material that results in a fire hazard, and to establish a method of recovering cost for removal.
		(CFC 304.1.2) Weed abatement/vegetation. Weeds, grass, vines or other growth that is capable of being ignited and endangering property, shall be cut down and removed by the owner or occupant of the premises.
		(CFC 304.1.1) Waste material. Accumulations of wastepaper, wood, hay, straw, weeds, litter or combustible or flammable waste or rubbish of any type shall not be permitted to remain on a roof or in any court, yard, vacant lot, alley, parking lot, open space, or beneath a grandstand, bleacher, pier, wharf, manufactured home, recreational vehicle or other similar structure.
		(CFC 603.9) Gas meters. Above-ground gas meters, regulators and piping subject to damage shall be protected by a barrier - or otherwise protected in an approved manner.
		(CFC 316.6.2) Outdoor storage. Outdoor storage within the utility easement underneath high-voltage transmission lines shall be limited to noncombustible material. Storage of hazardous materials including, but not limited to, flammable and combustible liquids is prohibited.
		(T19 Sec. 567/568) Extinguishers required. One Class 2-A rated fire extinguisher shall be provided for each 3,000 square feet of light hazard fuel load or one Class 2-A extinguisher for each 1,500 square feet of ordinary hazard fuel load. Travel distance shall not exceed 75 feet. <i>*Minimum 2-A:10-B:C rating, mounted</i>
		(CFC 906.5) Extinguisher availability. Portable fire extinguishers shall be located in conspicuous locations where they will be readily accessible and immediately available for use. These locations shall be along normal paths of travel.
		(T19 Sec. 567.3) Extinguisher Mounting. Portable extinguishers shall be securely mounted on brackets or places in cabinets.
		(CFC 906) Extinguishers. All extinguishers shall be inspected monthly, serviced annually and shall have a current service tag attached to them.
		(CFC 5704.3.4.4) Flammable and combustible liquids. Liquids for maintenance and operation of equipment. In all occupancies, quantities of flammable and combustible liquids in excess of 10 gallons (38 L) used for maintenance purposes and the operation of equipment shall be stored in liquid storage cabinets in accordance with Section 5704.3.2. Quantities not exceeding 10 gallons (38 L) are allowed to be stored outside of a cabinet when in approved containers located in private garages or other approved locations. If above 10 gallons: (CFC 5704.3.2.1.2) Labeling cabinet. Cabinets shall be provided with a conspicuous label in red letters on contrasting background which reads: FLAMMABLE-KEEP FIRE AWAY.
		(CFC 901.6.2) Fire Alarm. Inspect and test the fire alarm system as required, proved /maintain adequate records.
		(CFC 901.6) Fire Protection Systems. Fire protection systems, including sprinkler, hydrant, standpipe, smoke removal, shall be maintained in an operative condition at all times, and replaces or repaired when defective.
		(CFC 315.2.3) Mechanical Rooms. Remove combustibles and storage from mechanical and equipment room/s.
		Exits: (CFC 1028) Exits and exit paths shall not be obstructed in any manner. (CFC 1008.1) Exit doors shall be maintained in proper working condition. (CFC 1011.5.3) Exit signs shall be fully illuminated at all times.
		(CFC 304.1) Improve housekeeping: Maintain storage in neat and orderly manner, maintain aisles and clear exits, eliminate unnecessary combustible storage to minimize fire spread and facilitate fire control. No combustible storage permitted outside within 10 feet of property line. Store oily rags in metal container with tight-fitting lid.
		(CFC 605.5) Extension cords. Extension cords and flexible cords shall not be a substitute for permanent wiring extension cords and flexible cords shall not be affixed to structures, extended through walls, ceilings or floors, or under doors or floor coverings, nor shall such cords be subject to environmental damage or physical impact. Extension cords shall be used only with portable appliances.
		(CFC 605.9) Temporary wiring. Temporary wiring is allowed for a period not to exceed 90 days; such wiring is allowed for longer periods for construction, remodeling or repair of buildings or equipment.
		(NEC 370-15) Outlet covers: Each electrical outlet box shall have a cover, faceplate or fixture canopy. Open junction boxes and open wiring splices shall be prohibited. Appropriate covers shall be provided for all switches and electrical boxes.
		(CFC 605.3) Electrical Equipment. Working space and clearance. A working space of not less than 30 inches (762 mm) in width, 36 inches in depth and 78 inches in height shall be provided in front of electrical service equipment. Where the electrical service equipment is wider than 30 inches, the working space shall not be less than the width of the equipment. No storage of any materials shall be located within the designated working space.
		(CFC 605.3.1) Panel labeling. Doors into electrical control panel rooms shall be marked with a plainly visible and legible sign stating ELECTRICAL ROOM or similar approved wording. The disconnecting means for each service, feeder or branch circuit

		originating on a switchboard or panel-board shall be legibly and durably marked to indicate its purpose unless such purpose is clearly evident.
		FUEL PUMPS AND TANKS
		Label or Placard storage of hazardous and flammable materials as per California Fire Code Sec. 3404 and NFPA 704
		Where seating is located at a table or counter and is adjacent to an aisle, the measurement of required clear width of the aisle shall be made to a line 19 inches away from and parallel to the edge of the table or counter (CFC Sec. 1014.4.3)
		(CFC Sec 3404.3.4.1) Storage of Class 1-A flammable liquids in wholesale and retail sales areas shall not exceed 30 Gallons in unsprinkled buildings.
		(CFC, Section 1005.2.1) Plans, specifications and listing numbers for the proposed hood, and the automatic fire-extinguishing system shall be submitted Merced County Fire Department for review and approval prior to the installation of any portion of the system. Plan review fees shall be assessed upon completion of the review.
		Automatic fire-extinguishing systems shall be interconnected to the fuel or the electrical supply for cooking equipment. The interconnection shall be arranged to automatically shut off all cooking equipment and electrical receptacles, which are located under the hood when the system is activated. Shutoff valves or switches shall be of a type that requires manual operation to reset. (CFC, Section 904.11.
		(CFC 2203.1) Location of dispensing devices. Dispensing devices shall be located as follows: 1. Ten feet (3048 mm) or more from lot lines. 2. Ten feet (3048 mm) or more from buildings having combustible exterior wall surfaces or buildings having noncombustible exterior wall surfaces that are not part of a 1-hour fire-resistance-rated assembly or buildings having combustible overhangs. Exception: Canopies constructed in accordance with the <i>California Building Code</i> providing weather protection for the fuel islands. 3. Such that all portions of the vehicle being fueled will be on the premises of the motor fuel-dispensing facility. 4. Such that the nozzle, when the hose is fully extended, will not reach within 5 feet (1524 mm) of building openings. 5. Twenty feet (6096 mm) or more from fixed sources of ignition
		(CFC 2203.1.1)Where dispensing devices are mounted at grade, they shall be protected at each end with a minimum of two concrete-filled steel posts, 6 inches (152 mm) in diameter, having a minimum 3 feet (914 mm) deep footing not less than 15 inches (38 mm) in diameter and projecting above grade at a minimum of 3 feet(914 mm) and be located not less than 4 feet (1219 mm) nor more than 5 feet (1524 mm) from fuel dispensers or point-of-sale devices, or equivalent means approved by the chief.
		(CFC 2203.2) An approved, clearly identified and readily accessible emergency disconnect switch shall be provided at an approved location, to stop the transfer of fuel to the fuel dispensers in the event of a fuel spill or other emergency. An emergency disconnect switch for exterior fuel dispensers shall be located within 100 feet (30 480 mm) of, but not less than 20 feet (6096 mm) from, the fuel dispensers. For interior fuel-dispensing operations, the emergency disconnect switch shall be installed at an approved location. Such devices shall be distinctly labeled as: EMERGENCY FUEL SHUTOFF. Signs shall be provided in approved locations.
		(CFC 2205.5) Approved portable fire extinguishers complying with Section 906 with a minimum rating of 2-A:20-B:C shall be provided and located such that an extinguisher is not more than 75 feet (22 860 mm) from pumps, dispensers or storage tank fill-pipe openings.
		(CFC 2205.6) Warning signs shall be conspicuously posted within sight of each dispenser in the fuel-dispensing area and shall state the following: 1. No smoking. 2. Shut off motor. 3. Discharge your static electricity before fueling by touching a metal surface away from the nozzle. 4. To prevent static charge, do not reenter your vehicle while gasoline is pumping. 5. If a fire starts, do not remove nozzle-back away immediately. 6. It is unlawful and dangerous to dispense gasoline into unapproved containers. 7. No filling of portable containers in or on a motor vehicle. Place container on ground before filling.
		(CFC 5704.2.7) Design, fabrication and construction requirements for tanks. The design, fabrication and construction of tanks shall comply with NFPA 30. Each tank shall bear a permanent nameplate or marking indicating the standard used as the basis of design.
		(CFC 2304.3.5) Emergency procedures. An <i>approved</i> emergency procedures sign, in addition to the signs required by Section 2305.6, shall be posted in a conspicuous location and shall read: IN CASE OF FIRE, SPILL OR RELEASE 1. USE EMERGENCY PUMP SHUTOFF 2. REPORT THE ACCIDENT! FIRE DEPARTMENT TELEPHONE NO. _____ FACILITY ADDRESS _____
		(CFC 2305.3) Spill control. Provisions shall be made to prevent liquids spilled during dispensing operations from flowing into buildings. Acceptable methods include, but shall not be limited to, grading driveways, raising doorsills or other <i>approved</i> means.
		(CFC 5706.2.4.3) Location. Tanks containing Class I or II liquids shall be kept outside and not less than 50 feet (15 240 mm) from buildings and combustible storage. Additional distance shall be provided where necessary to ensure that vehicles, equipment and containers being filled directly from such tanks will not be less than 50 feet (15 240 mm) from structures, haystacks or other combustible storage.
		(CFC 407.6) Hazardous Materials Management Plan. Where required by the <i>fire code official</i> , each application for a permit shall include a Hazardous Materials Management Plan (HMMP) in accordance with Section 5001.5.1. The <i>fire code official</i> is authorized to accept a similar plan required by other regulations.

			(CFC 407.5) Hazardous Materials Inventory Statement. Where required by the <i>fire code official</i> , each application for a permit shall include a Hazardous Materials Inventory Statement (HMIS) in accordance with Section 5001.5.2.
			(CFC 403.7) Group H occupancies. An <i>approved</i> fire safety and evacuation plan in accordance with Section 404 shall be prepared and maintained for Group H occupancies.
			(CFC 5703.6.6) Valves. Piping systems shall contain a sufficient number of manual control valves and check valves to operate the system properly and to protect the plant under both normal and emergency conditions. Piping systems in connection with pumps shall contain a sufficient number of such valves to control properly the flow of liquids in normal operation and in the event of physical damage or fire exposure.
			(CFC 5703.6.4) Protection from vehicles. Guard posts or other approved means shall be provided to protect piping, valves or fittings subject to vehicular damage in accordance with Section 312.
			Tank vents for normal venting shall be installed and maintained in accordance with sections (CFC 5704.2.7.3.1-5704.2.7.3.6) (CFC 5704.2.7.3.3) Vent pipe outlets for tank storing Class I, II or IIIA liquids shall be located such that the vapors are released at a safe point outside of buildings and not less than 12 feet (3658 mm) above finished ground level. Vapors shall be discharged upward or horizontally away from adjacent walls to assist in vapor dispersion. Vent outlets shall be located such that flammable vapors will not be trapped by eaves or other obstructions and shall be at least 5 feet (1524 mm) from building opening or lot lines of properties that can be built upon. Vent outlets on atmospheric tanks storing Class IIIB liquids are allowed to discharge inside a building if the vent is a normally closed vent.
			(CFC 5704.2.7.3.6) Tanks and pressure vessels storing Class 1B or 1C liquids shall be equipped with venting devices which shall normally be closed except when venting under pressure or vacuum conditions, or with listed flame arresters. The vents shall be installed and maintained in accordance with (CFC 21.4.3 or NFPA 30. Exception: Tanks larger than 12,000 gallons (45420 L) in capacity storing Class IIIB liquids which are within the diked area or the drainage path of Class I or II liquids do not require emergency relief venting. DIESEL IS NOT CLASS IIIB LIQUID
			(CFC 5704.2.7.4) Emergency vents shall be arranged to discharge in a manner which prevents localized overheating or flame impingement on any part of the tank in the event that vapors from such vents ignited.
			(CFC 5706.2.5.2) Tanks for gravity discharge. Tanks with a connection in the bottom or the end for gravity-dispensing liquids shall be mounted and equipped as follows: 1. Supports to elevate the tank for gravity discharge shall be designed to carry all required loads and provide stability. 2. Bottom or end openings for gravity discharge shall be equipped with a valve located adjacent to the tank shell that will close automatically in the event of fire through the operation of an effective heat-activated releasing device. Where this valve cannot be operated manually, it shall be supplemented by a second, manually operated valve. The gravity discharge outlet shall be provided with an <i>approved</i> hose equipped with a self-closing valve at the discharge end of a type that can be padlocked to its hanger.
			California Fire Code 2016 edition Chapter 5004.2.2.4 Outdoor Design Secondary containment for outdoor storage areas shall be designed to contain a spill from largest vessel. If the area is open to rainfall, secondary containment shall be designed to include the volume of a 24-hr rainfall as determined by a 25-year storm and provisions shall be made to drain accumulations of groundwater and rain water
			Tank replacement plan submitted within 90 days to Merced County Fire Prevention.