

FPB POLICY 2010-3: CONSTRUCTION PERMITS FOR KITCHEN HOOD SUPPRESSION SYSTEMS

Created: March 26, 2010 Revised: April 1, 2020 Effective Date: Immediately
From the Office of the Fire Prevention Bureau – Phone (515) 283-4240



This policy is promulgated in accordance with Section 104.1 of the 2018 International Fire Code and is an official interpretation of Chapter 46-1 (d) of the City of Des Moines Fire Prevention and Protection Code.

The following shall apply to new construction and modifications to existing hood suppression systems:

Chapter 46-1 (d) of the City of Des Moines Fire Prevention and Protection Code reads as follows: "(d) A permit shall be required for construction, installation or modification of the following types of fire protection systems and equipment, and the fee for issuance of such permit shall be the amount established in the schedule of fees adopted by the city council by resolution:(1) Automatic fire-extinguishing systems." It is the opinion of the Fire Marshal that maintenance (including replacement of existing parts) is not considered to be a modification to a system and therefore does not require a construction permit. The following is the Des Moines Fire Prevention Bureau's policy on when a construction permit is required:

- 1.) Any addition (nozzles, piping, mechanical gas valves, etc.) to an existing hood suppression system SHALL require a construction permit (e.g. adding 1 nozzle to protect new cooking appliance).
- 2.) Any modification/change (nozzles, piping, mechanical gas valves, etc.) to an existing hood suppression system SHALL require a construction permit. This would be changing something on the system (e.g. exchanging one nozzle for a different nozzle to protect a change in cooking media).
- 3.) Any identical replacement (nozzles, piping, mechanical gas valves, etc.) of a device on an existing hood suppression system shall NOT require a construction permit. This would be one for one replacement (e.g. replacing a defective nozzle for the exact same type of nozzle).
- 4.) Any construction of a new hood suppression system (regardless of size) SHALL require a construction permit (e.g. installation of a new hood suppression system).
- 5.) Upgrading a non-UL 300 compliant system to a UL 300 compliant system SHALL require a construction permit.
- 6.) Changes to the hood suppression system shall not initiate required upgrades to the mechanical portion of the hood (e.g. upgrading the hood suppression system to UL 300 compliance will not necessitate an evaluation of fire wrapping or mechanical exhaust).

Any comments or questions regarding the above information may be submitted to:

Office of the Fire Protection Engineer
City of Des Moines Fire Department
Fire Prevention Bureau
2715 Dean Avenue
Des Moines, Iowa 50317
Office: (515) 237-1316
Fax: (515) 283-4907
Email: firedept@dmgov.org