



STATE OF MICHIGAN  
DEPARTMENT OF AGRICULTURE  
LANSING

JENNIFER M. GRANHOLM  
GOVERNOR

DAN WYANT  
DIRECTOR

**DATE:** May 19, 2004

**TO:** All Local Health Departments (LHD's)  
Attn: Health Officer/Director of Environmental Health/Chief Sanitarian  
Michigan Department of Agriculture (MDA)  
Attn: Food and Dairy Division Managers

**FROM:** Kevin Besey, Supervisor  
Food Service Sanitation Section  
Food and Dairy Division

**SUBJECT:** Plumbing & Mechanical Code Changes

The administrative rules of the state commercial construction code, Act 230, PA 1972 have been revised to adopt the 2003 Michigan Plumbing and Mechanical Codes, effective December 31, 2003. The Michigan codes are the 2003 International Plumbing and Mechanical Codes with amendments.

### Plumbing

The 2003 plumbing code contains no significant changes. Although MDA anticipated a change to require air-gapping of dishwashing sinks, this change **WAS NOT** made to retain consistency with the international code. Direct connection of dishwashing sinks is still allowed, although any sink used for culinary purposes must be air-gapped. Part 12 of the MDA "Plan Review Manual" contains complete cross-connection reference information.

### Mechanical

Several significant changes were made to the mechanical code sections 506-507 relating to commercial kitchen exhaust systems. They include:

- Section 506.1- Requires compliance with National Fire Protection Act (NFPA) 96-2001.
- Section 507.2.2- Exempts the following from needing a ventilation hood: under counter dish machine, dish machine with heat and vapor exhaust systems supplied by manufacturer, and ovens used for reheating only.
- The exhaust requirements for hoods is calculated using a new formula and there are new definitions and exhaust rates for light-duty through extra heavy-duty cooking equipment. The MDA plan review formula spreadsheet has been updated to use the new formula. Look for "Formula Master, version 5.0" on the MDA plan review web page.
- Section 507.16- Requires a performance test upon completion and before final approval. The test shall verify rate of exhaust and make-up air flow required by the code and proper operation. A smoke test must be done using Bureau of Construction Code (BCC) procedures. The BCC smoke test procedures are almost identical to the procedures that MDA has published in the past. The permit holder is required to verify capture and containment performance of the exhaust system.