

CODES AND REGULATORY AGENCIES

Introduction

The University of Michigan is a State of Michigan constitutional corporation, governed by a Board of Regents elected by the People of the State of Michigan and has a great deal of regulatory autonomy. It is exempt from local building and zoning ordinances and subject to State of Michigan laws and regulations that are clearly intended to apply to universities. In lieu of local building ordinances and State of Michigan laws and regulations that do not apply at the University, the University chooses to require that new construction adhere to a number of well-established building codes and standards, as listed in this Section.

Regardless of origin or enforcing agency, all of the applicable building codes and standards listed below are to be followed. Note, for instance, that compliance with the State of Michigan Bureau of Fire Safety rules for schools and/or dormitories does not eliminate the need to also comply with the Michigan Building Code, and that compliance with the 2010 Americans with Disabilities Act does not eliminate the need to comply with the barrier free provisions of the Michigan Building Code. Additional codes may apply for particular situations, such as for Medical Center construction; these are to be considered on the case-to-case basis. Many times adherence to narrow scope codes and/or standards is required by the general codes listed below.

New editions of building codes are published from time to time. For each project, the edition of building codes cited in this section form which the University of Michigan is listed as the “Enforcing Agency” is to be as follows:

The edition of building codes is to be as listed in this section as of the beginning of the design development phase of a project unless construction documents are submitted to the University for final review more than a year after adoption of the new version of the code. If more than one year transpired between adoption of the new code and submission of construction documents to the University for final review, the edition of the building codes listed in this section as of submission of construction documents applies.

The University employs building inspectors, who are the authority having jurisdiction for mechanical and electrical work on all University property.

For University of Michigan Hospitals and Health Centers projects refer to the University of Michigan Hospital Design Guidelines Codes and Regulatory Agencies. Web site:<http://www.med.umich.edu/facilities/planningdevelopment/ae/dg/doc/spe/SID-F-H.pdf>

BUILDING CODES FOR UNIVERSITY OF MICHIGAN CONSTRUCTION

Michigan Building Code 2009 (adopted March 9, 2011) promulgated by the State of Michigan Department of Licensing and Regulatory Affairs Bureau of Construction Codes. Including rule 408.30401 Rule 401 as printed on the interior cover of the Michigan Building Code.

By local rule, the following exceptions/modifications are applied to the Michigan Building Code article 716.5.3, article 907.5.2.3.4, and article 1008.1.9.10:

Article 716.5.3 add exception number 6:

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Exception 6. In other than I or H occupancies or University of Michigan Hospitals and Health Center owned and/or occupied facilities, when equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1, smoke dampers are not required at shaft enclosures unless specifically required by other sections of the code. Instead, provide smoke dampers at locations and to function as prescribed in the 2009 edition of NFPA 90A - 'Standard for the Installation of Air-Conditioning and Ventilating Systems'.

Article 907.5.2.3.4 Group R-2 reference the following interpretation of the use of the word "capability":

In the sentence "all dwelling units shall be provided with the capability to support visible alarm notification appliances...". Capability of the fire alarm system shall be addressed by the spare capacity already required in all U of M fire alarm circuits and fire alarm panels. This spare capacity in the circuits (raceways, and installed conductoring), shall be available immediately after the fire alarm system is commissioned. The spare capacity at the panel, may be in the form of power supplies sized for the expansion, and/or in the form of sufficient (spare) mounting space in the panel for the additionally needed power supplies. Refer to U of M Design Guideline and master specifications for spare capacity requirements.

Article 1008.1.9.10 add the following:

“Exception 4. In existing buildings, selected doors on stair enclosures shall be permitted to be equipped with hardware that prevents reentry into the interior of the building, provided that egress is maintained and:

- (a) There are at least two levels where it is possible to leave the stair enclosure; and
- (b) There are not more than four stories intervening between stories where it is possible to leave the stair enclosure; and
- (c) Reentry is possible on the top or next to top story permitting access to another exit; and
- (d) Doors permitting reentry are identified as such on the stair side of the door; and
- (e) Doors not permitting reentry shall be provided with a sign on the stair side indicating the location of the nearest door, in each direction of travel, permitting reentry or exit.
- (f) Doors that prevent reentry from the stair must be capable of being unlocked simultaneously without unlatching upon a signal from the fire command center, if present, or a signal by emergency personnel from a single location inside the main entrance to the building

Chapter 32 Encroachments into the Public Right of Way: Within the public right of way adhere to City of Ann Arbor standards and specifications refer to the following web site for requirements: http://www.a2gov.org/government/publicservices/project_management/privatedev/Pages/StandardSpecificationsBook.aspx

The following regulations take precedence over conflicting requirements in the Michigan Building Code:

Chapter 13 Energy Efficiency comply with ASHRAE Standard 90.1 2007 – Effective February 1, 2009.

State of Michigan Elevator Code.

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State of Michigan Mechanical Code 2009 and Michigan Plumbing Code 2009.

State of Michigan Electrical Code incorporating “NFPA 70 --National Electrical Code”, 2008 edition with University of Michigan modifications.

“NFPA 13 2007 -- Sprinkler Systems”.

“NFPA 45 2004-- Fire Protection for Laboratories Using Chemicals”.

“NFPA 72 -- National Fire Alarm Code”, 2007 edition with University of Michigan modifications.

“Guide for Care and Use of Laboratory Animals” promulgated by US Dept of Health & Human Services.

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

Enforcing Agency for Barrier Free -- State of Michigan Department of Licensing and Regulatory Affairs Bureau of Construction Codes. Variances from barrier free design provisions must be requested of the Barrier Free Design Board once approved by the University of Michigan Architecture, Engineering and Construction for submission.

Web site for Michigan Barrier Free Design Board:

http://www.michigan.gov/lara/0,4601,7-154-35299_10575_17394_17569-46778--.00.html

Michigan Residential Code 2009 (adopted March 9, 2011) promulgated by the State of Michigan Department of Licensing and Regulatory Bureau of Construction Codes. Including Rule R408.30401 Rule 401 as printed on the interior cover of the Michigan Residential Code.

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

2010 ADA Standards for Accessible Design (adopted March 9, 2011) as required to comply with Section 504 of US Rehabilitation Act of 1973 Title II of Americans with Disabilities Act of 1990 and updated September 15, 2010. Also note that the University maintains a space-by-space database of non-compliance. Contact Architecture, Engineering and Construction for database information. Notice of corrections are to be reported to Architecture, Engineering and Construction for the purpose of updating the database.

State and local government facilities must follow the requirements of the 2010 Standards, including both the Title II regulations at 28 CFR 35.151; and the 2004 ADAAG at 36 CFR part 1191, appendices B and D. In the few places where requirements between the two differ, the requirements of 28 CFR 35.151 prevail.

Enforcing Agency -- All federal agencies (on complaint basis) for U.S. Rehabilitation Act of 1973, U.S. Department of Justice and Architectural and Transportation Barriers Compliance Board (on complaint basis) for Americans with Disabilities Act.

Web site for 2010 ADA: <http://www.ADA.gov>

State of Michigan Dormitory Fire Safety Rules for Schools, Colleges and Universities (filed December 21, 1999) promulgated by the State of Michigan Bureau of Fire Services (incorporating by reference NFPA 101 – Life Safety Code 1997). Note that this standard applies only to fire compartments of buildings which contain dormitories. A listing of Ann Arbor campus buildings that contain dormitory space is included at the end of this section.

Enforcing Agency --

State of Michigan Department of Licensing and Regulatory Affairs
Bureau of Fire Services, Fire Safety Plan Review Division
525 W Allegan 4th Floor
Lansing, MI. 48913-0001
(517) 241-8847

Administrative rules web site:

http://www7.dleg.state.mi.us/orr/Files/AdminCode/965_2011-003LR_AdminCode.pdf

Application forms under Bureau Fire Services:

http://www.michigan.gov/documents/dleg_bccfs_plrvwinsp_87149_7.pdf

State of Michigan Fire Safety Rules for Schools, Colleges and Universities (filed July 14, 1989) promulgated by the State of Michigan Bureau of Fire Services (incorporating by reference NFPA 101 – Life Safety Code 1997). Note that this standard applies only to fire compartments of buildings which contain instructional space (classrooms and/or instructional laboratories). A listing of Ann Arbor campus buildings that contain instructional space is included at the end of this section.

Enforcing Agency --

State of Michigan Department of Licensing and Regulatory Affairs
Bureau of Fire Services, Fire Safety Plan Review Division
525 W Allegan 4th Floor
Lansing, MI. 48913-0001
(517) 241-8847

Administrative rules web site:

http://www7.dleg.state.mi.us/orr/Files/AdminCode/964_2011-002LR_AdminCode.pdf

Application forms under Bureau of Fire Services:

http://www.michigan.gov/documents/dleg_bccfs_plrvwinsp_87149_7.pdf

State of Michigan Human Services for Child Care in a Child Care Center promulgated by the State of Michigan Human Services. Note that this standard applies only to fire compartments of buildings which contain child care centers. A listing of Ann Arbor campus buildings that contain Child Care Centers is included at the end of this section.

Enforcing Agency --

State of Michigan Department of Human Services
PO Box 30759
Lansing, MI. 48909-8150
(517) 241-2488

Administrative rules:

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http://www.michigan.gov/documents/dhs/BCAL-PUB-0008_241660_7.pdf

State of Michigan Department of Licensing and Regulatory Affairs
Bureau of Fire Services, Child Care Section
300 N. Washington Square, 4th Floor
Lansing, MI. 48913

Application form for Child Care Plan Review:

http://www.michigan.gov/documents/cis/BFS13_child_care_app1_172799_7.pdf

Michigan Rehabilitation Code for Existing Buildings 2009 (adopted March 9, 2011) promulgated by the State of Michigan Department of Licensing and Regulatory Affairs Bureau of Construction Codes. Including Rule R408.30551 Rule 551 and R408.30552 Rule 552 as printed on the interior cover of the Michigan Rehabilitation Code for Existing Buildings.

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

State of Michigan Occupational Safety and Health Standards (MIOSHA) (filed many different dates) Contact U of M Department of Occupational Safety and Environmental Health for projects involving toxic and/or hazardous materials.
Additional information is at web site: http://www.oseh.umich.edu/pdf/guideline/guide_ep002.pdf
Enforcing Agency--

Michigan Department of Licensing and Regulatory Affairs
MIOSHA
P.O. Box 30643
Lansing, MI 48909
[\(517\) 322-1814](tel:5173221814)

Web Site: http://www.michigan.gov/lara/0,4601,7-154-11407_15368---,00.html

United States Occupational Safety and Health Standards (OSHA) (filed many different Dates), which is Title 29 Part 1910 of the Code Federal Regulations. Contact UM Department of Occupational Safety and Environmental Health for projects involving toxic and/or hazardous materials.

Enforcing Agency -- United States Department of Labor.

State of Michigan Elevator Code (Adopted June 21, 2010)
(incorporating by reference the 2007 edition of ANSI A17.1– Safety Code for Elevators and Escalators and the safety rules for platform lifts and stairway chair lifts ASME A18.1 -2008, the safety code standard for inspection of elevator, escalators, and moving walks ASME A17.2 – 2007, the safety code standard for belt manlifts, ASME A90.1-2003, and the American National Standards Institute ANSI A10.4-2007 for personnel hoists and employee elevators for construction and demolition operations.)

Enforcing Agency --

State of Michigan Department of Licensing and Regulatory Affairs
Bureau of Construction Codes

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Elevator Safety Division
Calvin W. Rogler, Chief Elevator Inspector
PO Box 30254
Lansing, MI. 48909
(517) 241-9337

Refer to Design Guidelines for additional requirements on Elevators.

Web site for State of Michigan Elevator codes:

http://www.michigan.gov/lara/0,4601,7-154-35299_10575_17394_17420---,00.html

State of Michigan Mechanical Code 2009 Part 9a Mechanical Code Rules (Adopted Oct 21, 2010) (incorporating International Mechanical Code 2009 and Michigan amendments) promulgated by State of Michigan Department of Licensing and Regulatory Affairs, Bureau of Construction Codes.

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

Web site for Part 9a:

http://www.michigan.gov/documents/dleg/dleg_bcc_2009_008lg_mechanical_code_rules_311916_7.pdf

State of Michigan Plumbing Code 2009 Part 7 Plumbing Code Rules (Adopted Aug 20, 2010) (Incorporating International Plumbing Code 2009 and Michigan amendments) promulgated by State of Michigan Department of Licensing and Regulatory Affairs, Bureau of Construction Codes.

By local rule the following modifications are applied to the Michigan Plumbing Code article 607.1:

607.1 (2) (h): A 1070 mixing valve is permitted to control up to 5 accessible plumbing fixtures within the same room, The 1070 mixing valve shall be certified for a minimum flow rate of 1/2 GPM or less.

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

Web site for Part 7:

http://www.michigan.gov/documents/dleg/dleg_bcc_2009_007lg_plumbing_code_rules_303871_7.pdf

NFPA 13 – 2007 Sprinkler Systems. The 1996 edition of NFPA 13 is incorporated by reference in the edition of NFPA 101 incorporated by the current State of Michigan Bureau of Fire Services rules for Schools, Colleges, Hospitals, and Universities. The Bureau of Construction Codes and Fire Safety permits use of more current versions of NFPA 13 with some limitations. Contact the Bureau of Fire Services for specifics.

Enforcing Agency --

Project jurisdiction NFPA 101:
State of Michigan Department of Licensing and Regulatory Affairs
Bureau of Fire Services, Plan Review/Fire Safety
300 N. Washington Square
Lansing, MI. 48913

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(517) 241-8847

Project jurisdiction MBC: University of Michigan Architecture, Engineering and Construction

NFPA 99C – Gas and Vacuum Systems (2005 edition): 99C Gas and Vacuum Systems contains the rules related to gas and vacuum piping systems from the NFPA 99

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

State of Michigan Electrical Code 2008 Part 8 Electrical Code Rules (incorporating NFPA 70 – National Electrical Code (2008 edition) and Michigan amendments (adopted January 1, 2010) By local rule the following exceptions/modifications are applied to the Michigan Electrical Code:

Article 80: Article 80 of the Michigan Electrical Code does not apply.

Article 695.3: The requirements for power to electrically driven fire pumps, and the requirements for 'reliable power' will be determined by the University's High Voltage Engineer, on a case-by-case basis.

Articles 700.27 and 701.27: The University may deviate from full selectivity (coordination of emergency generator distribution systems in order to lower arc-flash energy levels for worker safety. All such deviations from full selectivity will be designed by, and reviewed by, registered professional engineers.

“Article 110.26©(3): The words “less than 7.6 m (25 ft) from the nearest edge of the working space” shall be deleted from this paragraph. The working space egress doors (the first door on each egress path) from equipment rated 1200 amps or more shall open outward and be equipped with a panic bar, even if it is 25 feet or more away.”

“Article 310.15(B)(2)(c) and Table 310.15(B)(2)(c): The requirement for adjusting the ampacities of conductors in conduits exposed to sunlight on rooftops shall not be applied.”

Enforcing Agency -- University of Michigan Architecture, Engineering and Construction.

Web site for Part 8:

http://www.michigan.gov/documents/dleg/dleg_bcc_electrical_code_rules_part8_2008_print_version_295688_7.pdf

NFPA 72 – National Fire Alarm Code with Appendix E (2007 edition)

The 1996 edition of NFPA 72 is incorporated by reference in the edition of NFPA 101 incorporated by the current State of Michigan Bureau of Fire Services Administrative Rules for New and Existing School, College, and University Fire Safety and Dormitory Fire Safety. The

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Bureau of Fire Services allows the use of new versions of NFPA 72 with some limitations. Contact the Bureau of Fire Services for specifics

Enforcing Agency --

Project jurisdiction NFPA 101:
State of Michigan Department of Licensing and Regulatory Affairs
Bureau of Fire Services, Plan Review/Fire Safety
300 N. Washington Square
Lansing, MI. 48913
(517) 241-8847

By local rule, smoke detectors that initiate an elevator recall are not to be connected to the fire alarm system. By local rule, smoke and heat detectors are not required above suspended ceilings.

Enforcing Agency –

Project jurisdiction MBC: University of Michigan Architecture, Engineering and Construction

Guide for the Care and Use of Laboratory Animals 8th Edition 2011 effective January 1 2012, promulgated by United States Department of Health and Human Services. Regulations of the Federal Animal Welfare Act 9, CFR Parts 1, 2 and 3.

Enforcing Agency -- University of Michigan Unit for Laboratory Animal Medicine.

Web site for the Guide for the Care and Use of Laboratory Animals 8th edition 2011:

<http://grants.nih.gov/grants/olaw/Guide-for-the-Care-and-Use-of-Laboratory-Animals.pdf>

Web site for Federal Animal Welfare Act 9 CFR:

Parts 1 and 2: <http://awic.nal.usda.gov/final-rules-animal-welfare-9-cfr-parts-1-and-2>

Part 3: <http://awic.nal.usda.gov/final-rules-animal-welfare-9-cfr-part-3>

Refer to “Animal Facilities Design Criteria and Special Requirements” contained in The University of Michigan Design Guidelines.

State of Michigan Rules for Soil Erosion & Sedimentation Control Promulgated by the State of Michigan Department of Environmental Quality (MDEQ) Soil Erosion and Sedimentation Control Part 91 of Public Acts 451 of 1994 as amended. The University of Michigan Occupational Safety and Environmental Health (OSEH) department is approved by the MDEQ as an ‘Authorized Public Agency’ to enforce the soil erosion and sedimentation control on University of Michigan property. Refer to University of Michigan Design Guidelines Section 2 - Soil Erosion and Sedimentation Control for additional requirements.

Enforcing Agency —

University of Michigan OSEH
Environmental Protection and Permitting Program (EP³)
1239 Kipke
Ann Arbor, MI. 48109-1010
(734) 936-1920

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Corresponding web site —

Soil Erosion and Sedimentation Control: <http://www.oseh.umich.edu/environment/soil.shtml>

State of Michigan Issued NPDES Permit

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq; the "Federal Act"), Michigan Act 451, Public Acts of 1994, as amended (the "Michigan Act"), Parts 31 and 41, and Michigan Executive Orders 1991-31, 1995-4 and 1995-18, The University of Michigan (UM) is authorized to discharge storm water from the municipal separate storm water drainage systems operated by the UM in various locations in Michigan, and designated as UM MS4 in accordance with the conditions set forth in UM's National Pollutant Discharge Elimination System (NPDES) permit with the State of Michigan, Department of Environmental Quality (MDEQ).

Per the NPDES permit, projects that disturb greater than one acre of land must meet certain post-construction storm water management requirements. Contact OSEH EP3 ASAP at the beginning of a project to discuss this requirement.

Please note that the City of Ann Arbor may also require post construction storm water management, above what is required by the University's NPDES permit, including areas disturbing less than 1 acre. This will be between the City and the Project, with input and coordination from OSEH and the University Planner.

Coordinating Agency —

University of Michigan OSEH
Environmental Protection and Permitting Program (EP³)
1239 Kipke Dr.
Ann Arbor, MI. 48109-1010
(734) 936-1920

Corresponding Guideline —

Storm Water Management – Post-Construction
Requirements: <http://www.oseh.umich.edu/pdf/guideline/guidePCSW.pdf>

Enforcing Agency —

Michigan Department of Environmental Quality
Jackson State Office Building
301 E. Louis Glick Highway
4th Floor, Jackson, MI 49201
517-780-7929

MDEQ Web Site: http://www.michigan.gov/deq/0,4561,7-135-3313_3682_3716---,00.html

State of Michigan Contaminated Soil and Groundwater

In compliance with Michigan Public Act 451, Part 201 (Environmental Remediation) owners/operators of properties where soil or groundwater is present above Part 201 Generic Residential Criteria have due care requirements. Due Care requirements include undertaking

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measures as necessary to prevent exacerbation of existing contamination, undertaking response activities to mitigate unacceptable exposures to contamination, taking reasonable precautions against the reasonably foreseeable acts or omissions of a third party, complying with any land use or resource use restrictions, and not impeding with the effectiveness or integrity of such restrictions.

Contact OSEH EP3 ASAP at the beginning of a project to discuss any known contamination, recommended assessments, scheduling, compliance requirements, and budget development to evaluate possible contamination or manage known contamination.

Coordinating Agency--
University of Michigan OSEH
Environmental Protection and Permitting Program (EP3)
1239 Kipke Dr.
Ann Arbor, MI. 48109-1010
(734) 936-1920

Enforcing Agency--
Michigan Department of Environmental Quality
Remediation Division
P.O. Box 30426
Lansing, MI 48909-7926
517-335-6843

MDEQ Web Site: http://www.michigan.gov/deq/0,4561,7-135-3311_4109---,00.html

State of Michigan Leaking Underground Storage Tanks

In compliance with Michigan Public Act 451, Part 213 (Leaking Underground Storage Tanks) owners/operators of underground storage tanks have requirements during the removal of underground storage tank systems to evaluate if a release to the environment has occurred. Tank removal contractors are typically obtained and managed by U-M OSEH.

Contact OSEH EP3 ASAP at the beginning of a project to discuss any tank removals, recommended assessments, scheduling, compliance requirements, and budget development.

Coordinating Agency--
University of Michigan OSEH
Environmental Protection and Permitting Program (EP3)
1239 Kipke Dr.
Ann Arbor, MI. 48109-1010
(734) 936-1920

Enforcing Agency--
Michigan Department of Environmental Quality
Remediation and Redevelopment Division
P.O. Box 30426
Lansing, MI 48909-7926
517-335-1104

MDEQ Web Site: http://www.michigan.gov/deq/0,1607,7-135-3311_4109_4215---,00.html

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State of Michigan Underground Storage Tanks (UST)

In compliance with Michigan Public Act 451, Part 211 (Underground Storage Tank Rules), Michigan Underground Storage Tank Rules, and/or Storage and Handling of Flammable and Combustible Liquids Rules the owners/operators of underground ground storage tanks have requirements for the design, construction, installation, maintenance, and removal of tank systems.

Contact OSEH EP3 ASAP at the beginning of a project to discuss tank plans, scheduling, compliance requirements, and budget development.

Coordinating Agency--
University of Michigan OSEH
Environmental Protection and Permitting Program (EP3)
1239 Kipke Dr.
Ann Arbor, MI. 48109-1010
(734) 936-1920

Enforcing Agency--
Michigan Department of Licensing and Regulatory Affairs
Bureau of Fire Services
Storage Tank Division
P.O. Box 30426
Lansing, MI 48909-7926
517-373-9837
BFS UST Web Site: http://www.michigan.gov/lara/0,4601,7-154-35299_42271_4115_4238---,00.html

State of Michigan Aboveground Storage Tanks (AST)

In compliance with Michigan Public Act 207, Parts 2 through 5 of the rules the Aboveground Storage Tank (AST) Program regulates the following:

- storage and handling of flammable and combustible liquids with flash point less than 200 degrees Fahrenheit.
- storage and handling of liquefied petroleum gases
- compressed natural gas vehicular systems

The regulatory authority is from the [Fire Prevention Code, 1941 PA 207, as amended](#) .

Contact OSEH EP3 ASAP at the beginning of a project to discuss tank plans, scheduling, compliance requirements, and budget development.

Coordinating Agency--
University of Michigan OSEH
Environmental Protection and Permitting Program (EP3)
1239 Kipke Dr.
Ann Arbor, MI. 48109-1010
(734) 936-1920

Enforcing Agency--
Michigan Department of Licensing and Regulatory Affairs

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Bureau of Fire Services
Storage Tank Division
P.O. Box 300700
Lansing, MI 48909
517-373-7211

Michigan AST Web Site http://www.michigan.gov/lara/0,4601,7-154-35299_42271_4115_4237---,00.html

Emergency Generators

Pending on size, fuel usage, status, reciprocating internal combustion engines are regulated per the Environmental Protection Agency and MDEQ. There are design requirements, potential permit requirements, maintenance/ recordkeeping requirements and initial notification that need to be met and submitted within 120 days of start up.

Contact OSEH EP3 ASAP at the beginning of a project to discuss plans, scheduling, compliance requirements, and budget development.

Coordinating Agency--
University of Michigan OSEH
Environmental Protection and Permitting Program (EP3)
1239 Kipke Dr.
Ann Arbor, MI. 48109-1010
(734) 936-1920

Enforcing Agencies--
Michigan Department of Environmental Quality
Air Quality Division
Lansing, MI 48909-7926

Environmental Protection Agency
Air and Radiation Division
Chicago, IL

MDEQ Website (RICE): http://www.michigan.gov/deq/0,4561,7-135-3310_4148-254013--.00.html

Chemical Storage

Per the MI Part 5 Rules, Spillage of Oil and Polluting Materials, 1994 PA 451, R 324.2001 to R 324.2009, requires secondary containment and Pollution Incident Prevention Plan if bulk salt, chemical, or oil storage exceeds the threshold management quantity.

Contact OSEH EP3 ASAP at the beginning of a project to discuss plans, scheduling, compliance requirements, and budget development.

Coordinating Agency--
University of Michigan OSEH
Environmental Protection and Permitting Program (EP3)
1239 Kipke Dr.
Ann Arbor, MI. 48109-1010
(734) 936-1920

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Enforcing Agencies—
Michigan Department of Environmental Quality
Water Division
Lansing, MI 48909-7926

MDEQ Website: http://www.michigan.gov/deq/0,4561,7-135-3313_23420---,00.html

**BUILDINGS STANDARDS FOR UNIVERSITY OF MICHIGAN CONSTRUCTION
THAT ARE REQUIRED FOR SUBSEQUENT LICENSING OF THE FACILITY**

State of Michigan Rules for Construction or Renovation of Food Service Facilities

Promulgated by the State of Michigan Department of Agriculture and Rural Development (Food and Dairy Division). Act 92, [Food Law](#) which incorporates by reference chapters 1 through 8 of the [2009 Michigan Modified Food and Drug Administration Food Code](#). Visit the University of Michigan Department of Occupational Safety and Environmental Health website <http://www.oseh.umich.edu/food/planreview.shtml> for instruction sheet information and a copy of the Plan Review Packet and Worksheet that must be completed prior to starting a project. The University of Michigan Occupational Safety and Environmental Health (OSEH) Department is the enforcing agency with authorization provided by the Washtenaw County Environmental Health Department.

Enforcing Agency —

University of Michigan OSEH
Industrial Hygiene and Safety
1239 Kipke
Ann Arbor, MI. 48109-1010
(734) 647-1142

State of Michigan Rules for Construction or Renovation of Swimming Pools

Promulgated by the State of Michigan Department of Environmental Quality (Water Division). Michigan's Public Health Code, [Public Act 368 of 1978, Part 125](#). Contact University of Michigan Department of Occupational Safety and Environmental Health for information. The University of Michigan Occupational Safety and Environmental Health (OSEH) Department is the enforcing agency with authorization provided by the Washtenaw County Environmental Health Department.

Enforcing Agency —

University of Michigan OSEH
Industrial Hygiene and Safety
1239 Kipke
Ann Arbor, MI. 48109-1010
(734) 647-1142

Also see 15010 "Basic Mechanical Requirements" for additional codes and standards applicable to mechanical work on University projects.

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State of Michigan Department of Environmental Quality (MDEQ) (filed many different dates) Contact U of M Department of Occupational Safety and Environmental Health for information on environmental regulatory requirements. All project specific communication with the enforcing agency must be through or coordinated with the U of M Occupational Safety and Environmental Health Department.

Coordinating Agency —

University of Michigan OSEH
Environmental Protection and Permitting Program (EP³)
1239 Kipke
Ann Arbor, MI 48109-1010
(734) 936-1920

OSEH Web Site: <http://www.oseh.umich.edu/>

- Environmental Protection: <http://www.oseh.umich.edu/environment/index.shtml>
- Air permitting (generators, boilers, refrigeration units): <http://www.oseh.umich.edu/environment/air.shtml>
- Power washing and discharge to ground: <http://www.oseh.umich.edu/environment/groundwater.shtml>
- Remediation: <http://www.oseh.umich.edu/environment/remediation.shtml>
- Storage Tanks: <http://www.oseh.umich.edu/environment/tanks.shtml>
- Threatened and Endangered Species: <http://www.oseh.umich.edu/environment/endangered.shtml>
- Wetlands: <http://www.oseh.umich.edu/environment/wetland.shtml>

Enforcing Agency —

Michigan Department of Environmental Quality
525 West Allegan Street
P.O. Box 30473
Lansing, MI 48909-7973
(800) 662-9278

MDEQ Web Site: <http://www.michigan.gov/deq>

United States Environmental Protection Agency (USEPA) (filed many different dates), which is Title 40 of the Code Federal Regulations. Contact UM Department of Occupational Safety and Environmental Health for information on environmental regulatory requirements. All project specific communication with the enforcing agency must be through or coordinated with the U of M Occupational Safety and Environmental Health department.

Coordinating Agency —

University of Michigan OSEH
Environmental Protection and Permitting (E^P)
1239 Kipke
Ann Arbor, MI 48109-1010
(734) 936-1920

OSEH Web Site: <http://www.oseh.umich.edu/>

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Enforcing Agency —

United States Environmental Protection Agency
Region 5 (IL, IN, MI, MN, OH, WI)
77 West Jackson Boulevard
Chicago, IL 60604-3507
(312) 353-2000

USEPA Web Site: <http://www.epa.gov/>

UNIVERSITY OF MICHIGAN BUILDINGS
THAT CONTAIN INSTRUCTIONAL SPACE

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(Based on M-Pathways GQL database for rooms with type code 110 or 210)

BLDG NO	BLDG NAME	BLDG NO	BLDG NAME
5179	202 SOUTH THAYER	0435	ENGINEERING RES BLDG I (FA only)*
0879	555 SOUTH FOREST BUILDING	0436	ENGINEERING RESEARCH BUILDING II
5037	A. ALFRED TAUBMAN BIOMEDICAL SCIENCE RESEARCH BUILDING (Auditorium)*	0414	ENVIRONMENTAL & WATER RES ENG BL
0421	AERO ENG - WIND TUNNEL LAB (FA/FS only)	1650	FLINT DAVID FRENCH HALL
0425	AERO ENG - PLASMA RESEARCH (FA/FS only)	1670	FLINT HARDING MOTT UNIV CENTER
0422	AERO ENG - PROPULSION LAB (FA/FS only)	1607	FLINT LAPEER ST ANNEX
0168	ANIMAL RESEARCH FACILITY	1671	FLINT RECREATION BUILDING
0206	ANGELL HALL ADDITION-AUDITORIUMS	1630	FLINT WM R MURCHIE SCIENCE BLDG
0175	ANGELL HALL ADDITION-HAVEN HALL	1662	FLINT UNIVERSITY PAVILION
0197	ANGELL HALL ADDITION-MASON HALL	1664	FLINT UNIV PAVILION ANNEX
0152	ANGELL JAMES B HALL & TISCH HALL	1694	FLINT WILLIAM S WHITE BUILDING
0831	ARGUS II	0234	FRANCIS, THOMAS JR PUBLIC HEALTH
0432	ART & ARCHITECTURE BUILDING	0437	GERSTACKER, CARL A BLDG (FA only)*
0395	BAGNOUD, FRANCOIS-XAVIER BUILDING	0424	GORGUZE FAMILY LABORATORY
5092	BESTER, BOB & BETTY BUILDING	0179	HUTCHINS HALL (All areas except Aikens Commons & Café Room 150)*
4016	BIOLOGICAL ST BLANCHARD	0429	INDUSTRIAL & OPERATIONS ENGIN BLDG
4010	BIOLOGICAL ST CORT LABORATORY	0324	KELLOGG, W K EYE CENTER
4018	BIOLOGICAL ST CREASER LABORATORY	0211	KRAUS, EDWARD HENRY BUILDING
4005	BIOLOGICAL ST FOREST LABORATORY	0137	KRESGE BUSINESS ADMIN LIBRARY
4011	BIOLOGICAL ST HOUGHTON LAB	0101	KRESGE HEARING RESEARCH
4013	BIOLOGICAL ST HUNGERFORD LAB	0400	LAY, WALTER E AUTOMOTIVE LAB
4037	BIOLOGICAL ST LECTURE HALL	0150	LITERATURE SCIENCE AND THE ARTS (Third Floor)*
4019	BIOLOGICAL ST NEWCOMBE LAB	0188	LITTLE, CLARENCE COOK SCIENCE BLD
4015	BIOLOGICAL ST PETTINGILL LAB	0059	LLOYD, ALICE C HALL
4017	BIOLOGICAL ST REIGHARD LAB	0154	LORCH HALL
4039	BIOLOGICAL ST SPARROW LABORATORY	8049	LP BUSINESS ADMIN 15041 COMMERCE
4096	BIOLOGICAL ST STOCKARD LABORATORY	0406	LURIE, ANN AND ROBERT H BIOMEDICAL ENG
4012	BIOLOGICAL ST WELCH LABORATORY	0982	MATTHAEI BOT GDNS RESEARCH-ADMIN
0407	BROWN, G G LABORATORY	0190	MEDICAL SCIENCE UNIT I
0210	BUHL RES CEN FOR HUMAN GENETICS	0200	MEDICAL SCIENCE UNIT II
0155	BURTON MEMORIAL TOWER	0207	MODERN LANGUAGES BUILDING
0226	CENTRAL CAMPUS REC BLD&BELL POOL	0440	MOORE, EARL V BLDG
0158	CHEMISTRY	0061	MOSHER-JORDAN HALL
0443	CHRYSLER CNTR CONT ENGINEER ED	0151	MUSEUM OF ART (Auditorium & Stair S5)*
0138	COMPUTER&EXECUTIVE EDUCATION BLD	0415	NAVAL ARCH & MARINE ENGINEERING
0403	COOLEY, MORTIMER E MEMORIAL	0196	NORTH HALL
0189	DANA, SAMUEL TRASK BUILDING	5177	NORTH QUAD COMPLEX (Level 1 throughout & Level 2 North Tower)*
0225	DANCE BUILDING	0851	KINESIOLOGY BUILDING (Stair S01, Rooms 1100, 2100, & 3100)*
1015	DEARBORN ACADEMIC SUPPORT CENTER	5047	PALMER DRIVE COMMONS (SW end of 2 nd floor)*
1012	DB ADMIN & STUDENT ACTIVITIES BLDG	0890	PERRY BUILDING (G300)*
1020	DEARBORN CASL ANNEX & FAIRLANE APT	0442	PIERPONT COMMONS
1080	DEARBORN COL ARTS SCIENCE & LETTERS	0180	POWER CENTER FOR PERFORMING ARTS
8049	DEARBORN COMMERCE PARK	0897	PUBLIC POLICY ANNEX
1011	DEARBORN COMPUTER & INFOR SCIENCE	0208	RANDALL, HARRISON M LABORATORY
1013	DEARBORN ENGINEERING LAB BLDG	5188	ROSS SCHOOL OF BUSINESS (Floors L, G, 2, & 3)*
1076	DB ENVIRONMENTAL INTERPRET CTR	5120	ROSS, STEPHEN M ACADEMIC CENTER
5128	DEARBORN FAIRLANE CENTER	0193	RUTHVEN, ALEXANDER G MUSEUMS BLDG
1017	DB FIELD HOUSE AND WELLNESS CENTER	0333	SCHOOL OF NURSING BUILDING
1078	DB PROFESSIONAL EDUCATION CENTER	0219	SCHOOL OF SOCIAL WORK BUILDING
1078	DEARBORN SCHOOL OF MANAGEMENT	5235	SOUTH HALL
1079	DEARBORN SCI BLDG-COMPUTING WING	0441	SPACE RESEARCH LABORATORY
1009	DB SCIENCE, CLASSROOM & ADMIN.MIN	5224	STAMPS AUDITORIUM
1077	DEARBORN SOCIAL SCIENCES BUILDING	0445	STEARNS, FREDERICK BUILDING
1060	DEARBORN UNIVERSITY CENTER	0216	TAPPAN HALL
0165	DENNISON, DAVID M BUILDING	0209	TAUBMAN, A ALFRED HEALTH SCIENCES LIBRARY
0162	DENTAL AND W K KELLOGG INSTITUTE	5046	UNDERGRADUATE SCIENCE BLDG
0447	DOW, HERBERT H BUILDING	0204	VAUGHAN, H F PUBLIC HLTH BL(1sr & 2 nd Flrs)*
0166	EAST HALL	5059	WALGREEN, CHARLES RJ DRAMA CENTER
0054	EAST QUADRANGLE	5101	WEILL HALL, JOAN & SANFORD (1 st & 2 nd Flrs)*
0221	EDUCATION, SCHOOL OF	0135	WYLY, SAM HALL
0448	ELECTRICAL ENG & COMPUTER SCI BLDG	0167	WEST HALL

()* Indicates compartment of jurisdiction. Note egress from compartment; fire alarm & fire suppression for entire bldg are under BFS.

UNIVERSITY OF MICHIGAN BUILDINGS
THAT CONTAIN DORMITORY SPACE

(Based M-Pathways GQL database for rooms with type code 910, 919, 920, and 935)

BLDG NO	BLDG NAME	BLDG NO	BLDG NAME
0510	BAITS, VERA I EATON HOUSE	0108	LAWYERS CLUB
0511	BAITS, VERA I LEE HOUSE	0059	LLOYD ALICE C HALL
0512	BAITS, VERA I PARKER HOUSE	0060	MARKLEY, MARY B HALL
0513	BAITS, VERA I SMITH HOUSE	0061	MOSHER-JORDAN HALL
0514	BAITS, VERA I STANLEY HOUSE	0062	NEWBERRY RESIDENCE
0515	BAITS, VERA II COMAN HOUSE	5177	NORTH QUAD COMPLEX (North Tower levels 3 through 10)*
0516	BAITS, VERA II CONGER HOUSE		
0517	BAITS, VERA II CROSS HOUSE	0040	OH GODDARD HALL
0518	BAITS, VERA II THIEME HOUSE	0042	OH ADELIA CHEEVER RESIDENCE
0519	BAITS, VERA II ZIWET HOUSE	0043	OH GEDDES RESIDENCE
0051	BARBOUR, BETSY HOUSE	0044	OH JULIA E EMANUEL RESIDENCE
0555	BURSLEY HALL	0046	OH L H SEELEY HALL
0120	CAMBRIDGE HOUSE (Compartment w/in MICHIGAN UNION)*	0045	OH PAMELA NOBLE RESIDENCE
0109	COOK, JOHN P LAW QUADRANGLE	0041	OH VANDENBERG HALL
0052	COOK, MARTHA RESIDENCE	0063	SOUTH QUADRANGLE
0053	COUZENS HALL	0064	STOCKWELL HALL
0054	EAST QUADRANGLE	0066	WEST QUADRANGLE
0055	FLETCHER HALL		
0057	HENDERSON, MARY B HOUSE		

UNIVERSITY OF MICHIGAN BUILDINGS
THAT CONTAIN CHILD CARE SPACE

(Based M-Pathways GQL database for rooms with type code 640, 645)

BLDG NO	BLDG NAME
1047	DEARBORN KINDERGARDEN MODULE
5018	NCRC (N Campus Research Complex) B075 CHILD CARE CENTER
0600	NORTHWOOD COMMUNITY CENTER
0333	SCHOOL OF NURSING BUILDING
5240	TOWSLEY CHILDREN'S HOUSE
0390	UNIVERSITY HOSPITALS CHILD CARE CENTER

UNIVERSITY OF MICHIGAN BUILDINGS
THAT CONTAIN PATIENT OVERNIGHT CARE SPACE

BLDG NO	BLDG NAME
5102	BREHM TOWER (BRM) (Eye Center Expansion) (Fourth Floor)*
5109	SAMUEL AND JEAN FRANKEL CARDIOVASCULAR CENTER
0313	CONNECTOR between UH and MOTT adjacent to TOWSLEY
0312	NEUROSCIENCE HOSPITAL
5173	MOTT CHILDRENS AND VON VOIGTLANDER WOMENS HOSPITAL
0316	UNIVERSITY HOSPITAL (UH)

For more detailed boundaries for inpatient facilities in all buildings, please consult with UMHC Design Manager.