

Michigan Environmental Compliance Conference Storage Tank Requirements

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1. Rules

- A. Hydrogen
 1. Went into effect on May 1, 2008
 2. Govern all liquid and gaseous hydrogen systems
 3. Complete set of rules can be found on state website
- B. Compressed Natural Gas
 1. Have been in effect since January 13, 1996
 2. Adopt by reference NFPA 52, 1992 edition, with state specific additions and amendments to the NFPA document found online at the state website
 3. Govern all CNG fuel dispensing systems
- C. Liquefied Petroleum Gas
 1. Most recent edition went into effect on July 7, 2008
 2. Adopt by reference NFPA 58, 2004 edition, with state specific additions and amendments to the NFPA document found online at the state website
 3. Govern all LPG systems (memorandum of understanding with DELEG)
- D. Flammable and Combustible Liquids
 1. Most recent edition went into effect on August 13, 2003
 2. Adopt by reference NFPA 30, 2000 edition, 30A, 2000 edition, 31, 2001 edition, and 37, 1998 edition, with state specific additions and amendments found on the state web site
 3. Governs all tank systems containing a material with a flashpoint less than 200 degrees Fahrenheit
- E. Underground Storage Tanks
 1. Most recent edition went into effect on July 12, 2008
 2. Complete set of MUSTR can be found on state website
 3. Governs all UST's greater than 110 gallons in size that store a listed substance or any petroleum product

2. Reviews

- A. Hydrogen
 1. All liquid hydrogen and any gaseous hydrogen system larger than 400 scf has to go thru the plan review process (note on less than 400 scf and separation)

2. Application EQP 5240, fee, site sketch
- B. Compressed Natural Gas
 1. All CNG fuel dispensing systems must go thru the plan review process
 2. Application EQP 3860, fee, site sketch
- C. Liquefied Petroleum Gas
 1. All LPG dispensing systems or any tank larger than 2,000 gallon individual tank size or 4,000 aggregate
 2. Application EQP 3861, fee, site sketch
- D. Flammable and Combustible Liquids
 1. All aboveground tank systems greater than 1,100 gallons in size
 2. Application EQP 3859, fee, site sketch
- E. Underground Storage Tanks
 1. All regulated UST's
 2. Application 3820, site sketch

3. Fees

- A. All Hydrogen, CNG, LPG, and FL/CL tanks are charged a \$141.50 review fee, per tank, then a yearly fee of \$61.50 per year per tank.
- B. UST's do not have a review fee, but are charged a \$100 per tank per year fee

4. Closures

- A. When a Hydrogen, CNG, LPG, or FL/CL tank is no longer going to be in service, an EQP 3858 shall be filed indicating this
- B. When a UST is taken out of service, an amended registration, EQP 3821 shall be filed indicating this, along with a site assessment or confirmed release report being filed

5. Important Notes/Updates

- A. FL/CL tanks and the August 2008 upgrades for spill, overfill, and other protections
 - B. LPG tanks and the July 2011 upgrade for tank appurtenance valving
- Heads up on the Federal Energy Act of 2005 and changes coming to the MUSTR

6. HMSI Field Perspective

- A. Installations
- B. Paperwork
- C. Leak Detection
- D. Required testing

7. Question and Answer