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IM-12

TO: All Interested Parties
FROM: Kevin Wieber, Manager, Storage Tank Division
DATE: December 15, 2016
SUBJECT: Storage of Compressed Natural Gas for Vehicle Fueling

This informational memorandum has been prepared to identify and clarify some of the requirements for the storage of compressed natural gas (CNG) engine fuel and handling for use on all types of vehicles including after marketed conversion vehicles and originally equipped manufactured CNG vehicles. The CNG Vehicular Fuel Systems Rules are promulgated under the authority of the Michigan Fire Prevention Code, 1941 PA 207, as amended, being R 29.4701 et seq., of the Michigan Administrative Code. Rule 2, R 29.4702, of the CNG Rules adopts by reference the National Fire Protection Association (NFPA) Standard 52, 2013 Edition, entitled "Standard for Compressed Natural Gas Vehicle Fuel Systems," with specific additions and amendments.

Installation Application and Certification

At least 30 days prior to the intended utilization of the CNG storage tank system, the owner or installer is required to submit an Application for Installation of Compressed Natural Gas Fueling Facilities, form BFS3860, with a plot plan and specifications in compliance with Section 1-9 of the CNG Rules.

For the purpose of assessing fees, each 18,500 standard cubic feet (SCF) of CNG, or increment thereof, shall be considered a tank. An installation application fee of \$203.00 per tank must be included in the installation application as follows:

- 1 SCF - 18,000 SCF..... 1 Tank
- 18,001 SCF - 37,000 SCF..... 2 Tanks
- 37,001 SCF - 55,500 SCF..... 3 Tanks

A plan review report is issued within 30 days upon receipt of the plans. A local Hazardous Materials Storage Inspector (HMSI) will arrange for a site inspection and, upon installation, the installer will arrange for a final inspection. If the installation is approved, the HMSI will certify the tank system as being in compliance with the CNG Rules.

Careful identification of the applicable CNG Rules is very important to the safe and proper installation of all CNG storage tank systems. All electrical wiring must be performed by a certified electrician.

With the payment of the \$203.00 per tank fee, the first annual storage tank fee is waived. The annual fee is \$61.50 per tank and is due in accordance with the regular billing cycle. The tank systems are field inspected prior to certification and at least once every three years thereafter.

Storage

Although CNG is stored in many different types of containers, under differing temperatures and pressures, and for many different applications, the CNG Rules regulate only the storage for dispensing into motor vehicle facilities.

Storage for Motor Vehicle Dispensing Facilities

These are storage tank systems that are used in motor vehicles and storage tanks for dispensing CNG into motor vehicles. All dispensing facilities that utilize a storage container, regardless of the size or capacity of the storage container, are required to submit an application form. Please see the "Installation Application and Certification" information above.

Should you require further information, please contact the Storage Tank Division, at 517-241-8847.