

PEI Publications

PEI's Recommended Practices provide authoritative guidance on key operational challenges faced by fuel and fluid handling equipment professionals. Regulators, fire marshals and code officials rely on these documents for direction and expertise, and each RP is reviewed and revised regularly to reflect the latest technologies and trends. Available in print and pdf format.

- RP100 Installation of Underground Liquid Storage Systems**
Engineering and construction practices for the installation of underground liquid storage systems. *2017 Edition.*
- RP200 Installation of Aboveground Storage Systems for Motor Vehicle Fueling**
Procedures for the installation of aboveground storage systems at service stations, marinas and other fueling sites. *2013 Edition.*
- RP300 Installation and Testing of Vapor Recovery Systems at Vehicle Fueling Sites**
Instructions for the installation and testing of Stage I and Stage II vapor recovery systems. Includes procedures for decommissioning Stage II vapor recovery piping. *2009 Edition.*
- RP400 Testing Electrical Continuity of Fuel Dispensing Hanging Hardware**
Procedures for testing electrical continuity of fueling hoses, breakaway valves, swivels, nozzles and other hanging hardware used in dispensing petroleum products. *2018 Edition.*
- RP500 Inspection and Maintenance of Motor Fuel Dispensing Equipment**
Practices for the inspection and maintenance of motor vehicle fueling equipment intended to dispense gasoline, diesel and related petroleum products at commercial and retail fueling sites. *2011 Edition.*
- RP600 Overfill Prevention for Shop-Fabricated Aboveground Tanks**
Practices for the installation, operation, inspection, maintenance and testing of overfill prevention equipment used on aboveground liquid fuel storage tanks. *2018 Edition.*
- RP700 Design and Maintenance of Fluid Distribution Systems at Vehicle Maintenance Facilities**
Design, installation and servicing practices for centralized fluid distribution systems at vehicle maintenance facilities. *2014 Edition.*
- RP800 Installation of Bulk Storage Plants**
Construction practices for the installation of new bulk storage plant systems. Addresses underground, aboveground, atmospheric, shop-fabricated tanks and associated equipment. *2013 Edition.*
- RP900 Inspection & Maintenance of UST Systems**
Inspection and maintenance of underground storage tanks and associated equipment intended to store and dispense gasoline, diesel and related petroleum products at vehicle fueling facilities. *2017 Edition.*
- RP1000 Installation of Marina Fueling Systems**
Practices for the construction of safe, environmentally protective marina fueling facilities that serve recreational, commercial or government facilities by storing and dispersing fuel into vessels. *2014 Edition.*
- RP1100 Storage and Dispensing of Diesel Exhaust Fluid**
Installation and operation of DEF storage and dispensing equipment at motor fuel dispensing facilities, and repair and maintenance garages. Focuses on preserving the quality of the DEF and preventing releases into the environment. *2015 Edition.*



Test your knowledge. The test questions, written by the committee that created the recommended practice, are designed to evaluate knowledge gained from information contained in the particular document.

- RP1200 Testing and Verification of Spill, Overfill, Leak Detection and Secondary Containment Equipment**
Guidelines for the inspection and testing of spill, overfill, leak detection, secondary containment equipment, shear valves and emergency stops at UST facilities. *2017 Edition.*
- RP1300 Design, Installation, Service, Repair and Maintenance of Aviation Fueling Systems**
Practices for the design, installation, service, repair and maintenance of aircraft fueling systems located at aviation fuel provider facilities. *2013 Edition.*
- RP1400 Design and Installation of Emergency Generator and Oil Burner Fueling Systems**
Practices for the design and installation of tanks, piping and auxiliary equipment for oil burners and stationary permanent systems that fuel diesel powered engines for pumps and generators. *2014 Edition.*
- RP1500 Design, Installation, Operation and Maintenance of Compressed Natural Gas Vehicle Fueling Facilities**
The publication covers characteristics of natural gas; how a vehicle is filled with CNG; basic components of a CNG fueling system; programmable logic controllers, sensors, flow control and flow measurement devices; facility design and planning considerations; classified areas; foundation and enclosure construction; equipment and component connections; testing, start-up and training; operation guidelines; maintenance guidelines and a publication reference. *2015 Edition.*
- COMING IN 2019** **RP1600 Design, Construction, Installation, Operation and Maintenance of Liquefied Natural Gas/ Liquefied Compressed Natural Gas Vehicle Fueling Facilities**
This publication will provide consistent recommended practices and procedures to promote the safe and reliable design, engineering, construction, operation, and maintenance of LNG fueling systems.
- NEW!** **RP1700 Closure of Underground Storage Tank and Shop-Fabricated Aboveground Storage Tank Systems**
This publication provides a summary of general guidelines for the decommissioning, removal, closure in place, storage, transportation and off-site disposal of USTs and shop-fabricated ASTs that have contained petroleum products. *2018 Edition.*

- The Entry-Level Service Technician Training Course** teaches basic job skills and information new employees will use during the first few days on the job. Member price is \$25 (nonmember price is \$250)! Supplements existing company training. Includes photos and easy-to-read explanations. *2016 Edition.*

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