

**NEW REQUIREMENTS for
STAGE I and STAGE II VAPOR RECOVERY SYSTEMS at
RHODE ISLAND GASOLINE DISPENSING FACILITIES**

As of December 25, 2013, the requirements for Stage I and Stage II vapor recovery systems in the Rhode Island Department of Environmental Management's (RI DEM's) Air Pollution Control Regulation No. 11 have changed. The most important changes are listed below. The complete regulation is posted on the RI DEM website at:
http://www.dem.ri.gov/pubs/regs/regs/air/air11_13.pdf

Stage II Vapor Recovery System Requirements

- New gasoline dispensing facilities (GDFs) that begin operating on or after December 25, 2013 must not install Stage II systems. Those facilities must keep records of monthly throughput and must operate a CARB-certified Enhanced Vapor Recovery (EVR) Stage I system or a Stage I system made up of CARB-certified EVR components upon startup.
- Beginning on December 25, 2013, any GDF may decommission its Stage II system. Decommissioning must be done using the procedures specified below, which include notification of RI DEM at least seven days before beginning the decommissioning process. GDFs must continue to operate, test and maintain their Stage II systems until those systems are decommissioned.
- All GDFs must decommission their Stage II systems by December 22, 2017 unless granted an exemption to this requirement. GDFs with ORVR-compatible Stage II systems (e.g. vapor balance systems) may apply for an exemption until October 22, 2017. GDFs that have incompatible Stage II systems (most vacuum assist systems) may apply for an exemption until August 22, 2017 if they will install vent pipe controls to prevent excess emissions due to ORVR-Stage II incompatibility.
- GDFs must notify DEM at least seven days before starting to decommission their Stage II systems. A form that can be used for this notification is available on the RI DEM website at: <http://www.dem.ri.gov/programs/benviron/air/pdf/dcmnoti.pdf>
The notification must include the following information:
 - Name and address of the facility,
 - Name and address of owner or operator or other responsible individual,
 - Date that decommissioning will begin,
 - Whether the tank top will be accessible during decommissioning, and
 - A certification that decommissioning will be conducted according to the procedures specified in Subsection 11.10.5.2 of Regulation No. 11.

- Stage II systems must be decommissioned using the procedures in the Petroleum Equipment Institute (PEI) “Recommended Practices for Installation and Testing of Vapor-Recovery Systems at vehicle Fueling Sites” (PEI/RP300-09). A checklist of those practices is available on the RI DEM website at:
<http://www.dem.ri.gov/programs/benviron/air/pdf/dcmlist.pdf>
- If the tank top is accessible without excavation, vapor piping must be disconnected and capped at the tank top when the Stage II system is decommissioned. If excavation would be required to access the tank top, the vapor recovery piping must be disconnected and capped at the tank top the first time that the tank top connection is exposed for any reason.
- The following Stage I tests must be conducted and passed before the gasoline dispensing facility is returned to operation after decommissioning the Stage II system:
 - A Pressure Decay 2-inch Test (CARB TP-201.3)
 - A Vapor Tie Test (San Diego Air Pollution APCD TP-96-1, section 5.1.9)
 - A Pressure/Vacuum Vent Valve Test (CARB TP-201.1E)
 - A Static Torque Rotatable Adaptor Test (CARB TP-201.1B) for GDFs with EVR rotatable product adaptors and/or vapor adaptors, and
 - For GDFs with a Stage I EVR system, either a Leak Rate of Drop Tube/Drain Valve Assembly Test (CARB TP-201.1C) or a Leak Rate of Drop Tube/Overfill Prevention Devices Test (CARB TP-201.1D)
- GDFs must certify to DEM within 30 days after decommissioning a Stage II system that decommissioning has been completed. The certification can be done using the form at: <http://www.dem.ri.gov/programs/benviron/air/pdf/dcmcert.pdf> and must include:
 - The date that decommissioning was completed,
 - A statement signed by the owner or operator that decommissioning was conducted according to the PEI specifications, and
 - The date and results of the Stage I tests listed above. Test results must be signed and certified as accurate by the person who conducted the tests.

Stage I Vapor Recovery System Requirements

- By March 25, 2014, all GDFs must have installed a CARB-certified Enhanced Vapor Recovery (EVR) Stage I pressure-vacuum (PV) vent valve.
- By March 25, 2014, all GDFs, except for facilities with co-axial tank systems, must have installed CARB-certified EVR Stage I rotatable product and vapor adaptors.
- All GDFs that begin operation or install a fuel storage tank on or after December 25, 2013 must have a CARB-certified EVR Stage I vapor control system or a Stage I vapor control system made up of EVR parts when the facility starts-up following that installation.
- After December 25, 2013, any part of a Stage I system that is replaced must be replaced with a CARB-certified EVR Stage I part. Stage I parts that are not working properly must be replaced immediately.
- By December 25, 2020, all GDFs must have installed a CARB-certified EVR Stage I system or a Stage I system made up of EVR components.
- Aboveground storage tanks are exempt from the requirement to install a rotatable product adaptor or another EVR Stage I part if that installation is not technically feasible.
- A stainless steel UL-approved spill container that is not attached to the Stage I system may be used in the place of an EVR spill container.
- GDFs that do not have Stage II systems must visually inspect their Stage I systems weekly and must perform the following tests of the Stage I system at least once every twelve months:
 - A Pressure Decay 2-inch Test (CARB TP-201.3)
 - A Vapor Tie Test (San Diego Air Pollution APCD TP-96-1, section 5.1.9)
 - A Pressure/Vacuum Vent Valve Test (CARB TP-201.1E)
 - A Static Torque Rotatable Adaptor Test (CARB TP-201.1B) for GDFs with EVR rotatable product adaptors and/or vapor adaptors, and
 - For GDFs with a Stage I EVR system, either a Leak Rate of Drop Tube/Drain Valve Assembly Test (CARB TP-201.1C) or a Leak Rate of Drop Tube/Overfill Prevention Devices Test (CARB TP-201.1D)
- GDFs must notify RI DEM of the date that testing will be conducted at least seven days before testing and must certify in writing within 15 days of the test that testing has been completed. The certification must be signed by the owner or operator of the facility and must include a list of Stage I EVR components operating at the facility and the results of the tests listed above. Test results must be signed and certified as accurate by the person who conducted the tests.