



CT DEP Fact Sheet

Revised October 2005

STAGE II VAPOR RECOVERY REQUIREMENTS

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In 2004, the Connecticut Department of Environmental Protection (the Department) amended its regulation to control the release of vapors when gasoline is dispensed, Section 22a-174-30 of the Regulations of Connecticut State Agencies. As a result of this regulation change, owners and operators of Connecticut gasoline stations may need to install additional vapor recovery equipment and perform additional Stage II tests.

SUMMARY OF CHANGES MADE TO THE VAPOR RECOVERY PROGRAM

Equipment Requirements

Effective May 10, 2005, the following requirements apply to gasoline storage tanks at gasoline stations that are required to have Stage II vapor recovery:

- **A pressure-vacuum vent valve** with a relief setting of three, plus or minus one-half inch of water column pressure, and eight, plus or minus two inches of water column vapor is required on every gasoline vent pipe.
- **A two-point Stage I vapor recovery system** is required at every gasoline station provided there is an available port. If a tank does not have an available port, a two-point Stage I system must be installed when a tank is replaced or when the type of fuel stored in the tank is changed, for example, if a tank storing diesel fuel is switched to gasoline.
- **CARB-certified swivel fill adapters**, that prevent the loosening or over-tightening of the connecting line between the gasoline storage tank and gasoline fuel line are required on every gasoline storage tank. Note, minor excavation performed to add swivel fill adapters does not subject the gas station to the Stage II functional testing requirements.

Testing

Functional tests are required before initial operation, upon major system modification and periodically thereafter.

- Effective May 10, 2004, **in addition to the functional tests**, the following tests are required: testing of automatic shut-off mechanisms; testing of pressure-vacuum vent valves; and for vacuum assist Stage II vapor recovery systems the air-to-liquid volume ratio test.
- Effective November 15, 2004, the frequency of **functional testing increased** from five years to **three years**.

Record keeping

The **address of where the Stage II maintenance and test records are kept in Connecticut must be displayed** in a conspicuous location at the gas station.

FOR MORE INFORMATION

The amended regulation is available on the Department's website at the following address:

<http://www.dep.state.ct.us/air2/regs/mainregs/sec30.pdf>. If you have any questions please contact Brian Kenny or Debra Tedford of the Air Bureau at 860-424-3028.