Summary of Major Changes Being Proposed for
Regulation 1138 Section 5.0 PERC Dry Cleaning Facilities

Prohibitions

- On and after July 28, 2008, **all** transfer machine systems can not be operated using perc.

- After December 21, 2020, **all** dry cleaning machines located in a building with a residence can not be operated with perc.

- On and after July 13, 2006, **no** newly installed dry cleaning machines can be operated using perc in a building with a residence.

PERC Control Technology

- On and after December 21, 2005, all newly installed dry cleaning machines must

    - Route the air-perc gas-vapor stream contained within each dry cleaning machine through a refrigerated condenser and
    - Pass the air-perc gas-vapor stream from inside the dry cleaning machine drum through a non-vented carbon adsorber or equivalent control device immediately before the door of the dry cleaning machine is opened.

- If a dry cleaning machine was newly installed in a building with a residence between December 21, 2005 and July 13, 2006, the newly installed dry cleaning machine must

    - Route the air-perc gas-vapor stream contained within each dry cleaning machine through a refrigerated condenser,
    - Pass the air-perc gas-vapor stream from inside the dry cleaning machine drum through a non-vented carbon adsorber or equivalent control device immediately before the door of the dry cleaning machine is opened, and
    - Be enclosed the dry cleaning machine system in a vapor-barrier enclosure.

Monitoring/Inspections

- **All** perc dry cleaning machines located in a building with a residence will be inspected weekly for vapor leaks using a halogenated hydrocarbon detector or perc gas analyzer.

- **All** perc dry cleaning machines not located in a building with a residence will inspected for

    - Perceptible (sensory) leaks weekly and
    - Vapor leaks monthly using a halogenated hydrocarbon detector or perc gas analyzer.
    - The monthly vapor leak inspection can replace that week's perceptible leak inspection.

- **All** dry cleaning machines equipped with a refrigerated condenser will be monitored weekly

    - If the refrigerated condenser's refrigeration system has high and low pressure gauges,

        - The reading of the gauges will be recorded,
        - The monitoring results compared to the manufacturer's recommend operating ranges, and
        - The monitoring (pressure readings) results will be kept for five years.

    - If the refrigerated condenser's refrigeration system does not have high and low pressure gauges

        - The temperature at the outlet of the condenser will be recorded before the end of the cool-down or drying cycle while the air-perchloroethylene gas-vapor stream is flowing through the condenser,
        - The monitoring results compared to 45^{o}F, and
        - The monitoring (temperature) results will be kept for five years.

- **All** dry cleaning machines equipped with a carbon adsorbers will be monitored weekly for the perc concentration in the exhaust of the carbon adsorber at the end of the drying cycle

    - The reading of the colorimetric detector tube or electronic analyzer will be recorded,
    - The monitoring results compared to the 100 ppm, and
    - The monitoring (concentration) results will be kept for five years.

- **All** dry cleaning machines newly installed on and after December 21, 2005 will be monitored weekly for the perc concentration above the articles at the end of the dry cleaning cycle

    - The reading of the colorimetric detector tube or electronic analyzer will be recorded,
    - The monitoring results compared to the 300 ppm, and
    - The monitoring (concentration) results will be kept for five years.

    Note: The PDCA reported that EPA intends to remove this requirement; but nothing has been reported by EPA.

Reporting

- **All** owners or operators of dry cleaning facilities must submit a notification of compliance status (with regards to the new requirements) to the Department by July 28, 2008.

Miscellaneous

- **All** area source dry cleaning facilities are exempted from Title V permitting requirements.