



DEP Air Quality Regional Offices

Southeast Regional Office	484-250-5920	Bucks, Chester, Delaware, Montgomery
Northeast Regional Office	570-826-2511	Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, Wyoming
South-central Regional Office	717-705-4702	Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, York
North-central Regional Office	570-327-3638	Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, Union
Southwest Regional Office	412-442-5215	Beaver, Cambria, Fayette, Greene, Somerset, Washington, Westmoreland
Northwest Regional Office	814-332-6940	Armstrong, Butler, Clarion, Crawford, Elk, Erie, Forest, Indiana, Jefferson, Lawrence, McKean, Mercer, Venango, Warren

Additional Numbers

Allegheny County Health Department Bureau of Environmental Quality	412-578-8103
City of Philadelphia - Air Management Services Department of Public Health	215-685-7580
Pennsylvania and Delaware Cleaners Association	215-830-8495
Korean Drycleaners Association	215-771-7532

DEC 2020: RESIDENTIAL PERC PHASE-OUT

As of December 21, 2020, use of perc machines at dry cleaning facilities located in buildings in which people reside such as houses, apartments, condos, and co-ops (co-residential) is prohibited.

Special Thanks

The Department of Environmental Protection extends special thanks to the Virginia DEQ Small Business Assistance Program, the Pennsylvania and Delaware Cleaners Association, the Philadelphia Korean Drycleaners Association and Mr. Jin S. Hong for their assistance in producing the dry cleaner compliance calendar.

Five-Year Perchloroethylene (Perc) Purchase Log

The Perc National Emission Standards for Hazardous Air Pollutants require the maintenance of records for a period of five years. The table below summarizes Perc consumption in a single location. Record the amount of Perc purchased in any given month under the “Perc Purchased” column. The “12-Month Running Total” column can be completed by pulling information from previous calendars and/or by adding the Perc purchased for a given month to the 12-month running total from the previous month and then subtracting the Perc purchased from the same month of the previous year.

[illegible]

Calendar Instructions

- This calendar contains the record-keeping elements that are needed to comply with state and federal regulations. Please fasten the calendar directly to the perc dry cleaning machine.
- Complete the logs and charts each month to fulfill the recordkeeping requirements. **Remember the calendar is an annual record of compliance. Keep the calendar for a period of five years.**
- Read the definitions and regulatory requirements found at the end of this calendar.

Weekly Equipment Inspections

- If there is an existing machine and fewer than 140 gallons of perc are purchased per year, conduct and record leak inspections at least every other week.
- If the machine is existing and 140 gallons or more of perc are purchased per year, conduct and record leak inspections weekly.
- If the machine is new, conduct and record leak inspections weekly.
- Record the results of the inspections on the calendar. If leaks are found, or pressures or temperatures are not correct, the machine must be repaired within 24 hours if replacement parts are on-site. See below instructions for “Repair Log”.
- If the machine was installed prior to July 27, 2006, inspect it and its components on a monthly basis using a “Halogenated Hydrocarbon Detector”. If the machine was installed on or after July 27, 2006, begin using the Halogenated Hydrocarbon from the date of installation of the machine.
- Circle the method of inspection “P” for perceptible (feel, see or smell) or “D” for using the detector. When using the Hydrocarbon Detector for the monthly leak check it’s not necessary to do the perceptible leak check for that week. Use the Hydrocarbon Detector for each of the weekly checks if preferred.
- **How to Use the Detector:** Make sure the batteries are good and that the tip of the wand is clean and not contaminated with perc. Keep the tip one inch from the surface of the gaskets, connections, seals, etc. that will have to be done are being inspected and move it very slowly approximately one inch per second. Remember that testing will have to be done during each of the cycles of the machine while components of the machine are being used: the wash cycle, the dry cycle and the distillation cycle. Read the directions for the detector to understand the identification of a leak (e.g. a rapid sound or rapid light pulse). A quantity of 25 parts per million (ppm) is now the definition of a “perc leak.” If the detector registers a leak, the leak must be repaired according to the repair schedules.

Repair Log

If leaks are found, or pressures or temperatures are not correct, the machine must be repaired within 24 hours if replacement parts are on-site. In the “Repair Log,” please provide the inspection date and a description of the required repair, as well as the dates that the necessary part or parts were ordered, received and installed, and the date that the repair was completed. Parts must be ordered within two working days of leak detection and installed within five working days of receipt.

Repair Log – EXAMPLE 1

Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired
1/4/09 door gasket leaking (no replacement parts onsite)	1/6/09	1/15/09	1/21/09	1/22/09

Repair Log – Example 2

Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired
1/4/08 door gasket leaking (have replacement parts onsite)			1/4/09	1/5/09

Calendar Instructions (continued)

Refrigerated Condenser Monitoring Log

A. If the machine has pressure gauges:

1. Record the pressures of the high and low pressure gauges.
2. Indicate if the pressures are within the machine specifications by marking Y for yes, or N for no. If you circle N, the machine must be repaired.

B. If the machine does not have pressure gauges:

1. Record the outlet temperature of the refrigerated condenser prior to the end of the cool down cycle while the gas-vapor stream is still flowing through the condenser.
2. Indicate if the temperature is less than or equal to 45°F (7.2°C). Circle Y for yes, or N for no. If you circle N, the machine must be repaired.

Example: Refrigerated Condenser Monitoring Log							
		Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi						
	Lo						
Are pressure gauges within the ranges specified in the manual?			Y N	Y N	Y N	Y N	Y N
If the machine does NOT have pressure gauges: Record refrigerated condenser outlet temperature.							
Is the temperature gauge <45°F?			Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet						
	Outlet						
Calculate the difference (inlet minus outlet).							
Is the difference >20°F?			Y N	Y N	Y N	Y N	Y N

Secondary Carbon Adsorber Monitoring

A. When a carbon adsorber is vented and is used on a machine installed before Sept. 22, 1993:

1. Measure the perc concentration at the outlet vent of the carbon adsorber on the last machine cycle prior to the desorption of the carbon adsorber or the replacement of the charcoal. Use a colorimetric tube and the perc concentration must be less than or equal to 100 ppm with an accuracy of ± 25 ppm by volume.
2. Indicate whether the perc concentration is less than 100 ppm, by circling Y for yes, or N for no.
3. If the readings do not meet the required limits, desorb the carbon adsorber according to the machine manufacturer's instructions and take the readings again during another cycle. If they still do not meet the required specification, the machine needs to be repaired.

B. When a non-vented carbon adsorber is used to pass the gas vapor stream through the adsorber prior to the door being opened on a machine installed after Dec. 21, 2005:

1. Measure final perc concentration, by placing a colorimetric detector tube or a PCE gas analyzer into the open space above the articles of clothing at the rear of the dry cleaning machine drum immediately upon opening the door. The reading should be less than or equal to 300 ppm with an accuracy of ± 75 ppm by volume.
2. Indicate whether the perc concentration is less than 300 ppm, by circling Y for yes, or N for no.
3. If the readings do not meet the required limits, desorb the carbon adsorber according to the machine manufacturer's instructions and take the readings again during another cycle. If they still do not meet the required specification, the machine needs to be repaired.

Calendar Instructions (continued)

Perc Purchases Running Total

This chart must be completed on the first day of each month. Below is an example of how to complete the Perc Purchases Running Total chart.

Perc Purchases Running Total		
(12 Month Running) Total from Last Month	55	←
Subtract Perc Purchased January 2009	- 10	←
Subtotal	45	←
Purchase Date	Purchase Amount	12 Month Running Total For 1/09
7/12	+ 15	60 ←

Enter running total from previous month.

Enter the amount of perc you purchased during this same month last year, using last year's records or calendar. Subtract that amount.

This is the 12-month running total if perc was not purchased this month.

This is the 12-month running total if perc was purchased this month. Record the bottom number in this column on next month's form in line "Total from Last Month."

Record data perc was purchased

If perc was purchased this month, record the amount and add it to the subtotal. This amount will also go on next year's calendar for this same month under Subtract perc Purchased.

Need More Information?

Small businesses can receive free and confidential technical assistance from an outside team of experienced environmental professionals not affiliated with any regulatory agency, through the Environmental Management Assistance Program (EMAP) of the Pennsylvania Small Business Development Centers (SBDC). EMAP is headquartered at the SBDC at Widener University, and provides one-on-one confidential regulatory compliance assistance and environmental management advice through a statewide network of 18 university-based centers. For more information, contact EMAP at:

Telephone: 877-ask-emap (877-275-3627)
Website: www.askemap.org
Email: questions@askemap.org

세탁 달력 사용법

-이 세탁 달력에는 연방 정부와 주정부 규정을 준수하기 위해 필요한 모든 기록 유지 내용이 담겨 있습니다. 이 세탁 달력을 퍼크 드라이크리닝 기계 옆에 매달아 관리해 주십시오.

-법이 정하는 기록 유지 의무 사항을 이행하기 위하여 매달 세탁 장비 사용 항목(Logs)과 도표(Charts)를 작성해 주십시오. 이 세탁 달력은 규정 준수 내용을 1년 동안 기록하는 것입니다. 기록을 끝낸 달력은 5년 동안 보관해야 합니다.

-이 달력 맨 뒤에 나와있는 용어 정의와 규정 준수 사항을 필독해 주십시오.

주간 세탁장비 점검

-현재 여러분이 퍼크 드라이크리닝 기계를 사용하면서 연간 140갤런 미만의 퍼크를 구입한다면, 적어도 2주에 한 번 씩 퍼크 누출 검사를 실시하고 결과를 기록해야 합니다.

-현재 여러분이 퍼크 드라이크리닝 기계를 사용하면서 연간 140갤런 이상의 퍼크를 구입한다면, 1주에 한 번 씩 퍼크 누출 검사를 실시하고 결과를 기록해야 합니다.

-현재 기계가 새 것이라면, 1주에 한번씩 퍼크 누출 검사를 실시하고 결과를 기록해야 합니다.

-달력에 점검 결과를 기록하세요. 누출이 발견됐거나, 압력 혹은 온도가 기준치와 다르다면, 24시간 이내에 수리해야 합니다. 교체 부품이 공장에 있다면 아래에 나와있는 수리 항목(Repair Log)을 참고하십시오.

-2008년 7월 28일부터 다음과 같은 규정이 실시되었습니다. 세탁 기계가 2006년 7월 27일 이전에 설치됐다면, 세탁 기계와 기계 부품을 한 달에 한 번씩 할로겐과 화합된 탄화수소 탐지기(halogenated Hydrocarbon Detector)를 사용해 점검해야 합니다. 세탁 기계가 2006년 7월 27일 이후에 설치됐다면, 기계가 설치된 날부터 할로겐과 화합된 탄화수소(halogenated Hydrocarbon)를 사용해야 합니다.

-느끼거나, 보거나, 냄새를 맡는 감각적인(Perceptive) 점검 방법을 사용할 경우 P에 동그라미를 표시하세요. 탐지기(Detector)를 사용할 경우 D에 동그라미를 표시하세요. 탄화수소 탐지기(Hydrocarbon Detector)를 사용해 월간 누출 검사를 했다면 그 주에는 감각적인 누출 검사를 할 필요가 없습니다. 탄화수소 탐지 방법이 좋다면 매주 탄화수소 탐지기(Hydrocarbon Detector)를 사용해 검사하세요.

세탁 달력 사용법

이 세탁 달력에는 연방 정부와 주정부 규정을 준수하기 위해 필요한 모든 기록 유지 내용이 담겨 있습니다. 이 세탁 달력을 퍼크 드라이크리닝 기계 옆에 매달아 관리해 주십시오.

법이 정하는 기록 유지 의무 사항을 이행하기 위하여 매달 세탁 장비 사용 항목(Logs)과 도표(Charts)를 작성해 주십시오. 이 세탁 달력은 규정 준수 내용을 1 년 동안 기록하는 것입니다. 기록을 끝낸 달력은 5 년 동안 보관해야 합니다.

이 달력 맨 뒤에 나와있는 용어 정의와 규정 준수 사항을 필독해 주십시오.

주간 세탁장비 점검

현재 여러분이 퍼크 드라이크리닝 기계를 사용하면서 연간 140 갤런 미만의 퍼크를 구입한다면, 적어도 2 주에 한 번 씩 퍼크 누출 검사를 실시하고 결과를 기록해야 합니다.

현재 여러분이 퍼크 드라이크리닝 기계를 사용하면서 연간 140 갤런 이상의 퍼크를 구입한다면, 1 주에 한 번 씩 퍼크 누출 검사를 실시하고 결과를 기록해야 합니다.

현재 기계가 새 것이라면, 1 주에 한번씩 퍼크 누출 검사를 실시하고 결과를 기록해야 합니다.

달력에 점검 결과를 기록하세요. 누출이 발견됐거나, 압력 혹은 온도가 기준치와 다르다면, 24 시간 이내에 수리해야 합니다. 교체 부품이 공장에 있다면 아래에 나와있는 수리 항목(Repair Log)을 참고하십시오.

2008 년 7 월 28 일부터 다음과 같은 규정이 실시되었습니다. 세탁 기계가 2006 년 7 월 27 일 이전에 설치됐다면, 세탁 기계와 기계 부품을 한 달에 한 번씩 할로겐과 화합된 탄화수소 탐지기(halogenated Hydrocarbon Detector)를 사용해 점검해야 합니다. 세탁 기계가 2006 년 7 월 27 일 이후에 설치됐다면, 기계가 설치된 날부터 할로겐과 화합된 탄화수소(halogenated Hydrocarbon)를 사용해하 합니다.

느끼거나, 보거나, 냄새를 맡는 감각적인(Perceptive) 점검 방법을 사용할 경우 P 에 동그라미를 표시하세요. 탐지기(Detector)를 사용할 경우 D 에 동그라미를 표시하세요. 탄화수소 탐지기(Hydrocarbon Detector)를 사용해 월간 누출 검사를 했다면 그 주에는 감각적인 누출 검사를 할 필요가 없습니다. 탄화수소 탐지 방법이 좋다면 매주 탄화수소 탐지기(Hydrocarbon Detector)를 사용해 검사하세요.

탐지기를 사용하는 방법 배터리 상태가 좋은 지와 점검막대기 끝이 깨끗하고 오염되지 않았는지 확인하세요. 점검막대기 끝을 틸막이(gasket)나 연결 부분, 봉인된 부분부터 1 인치 떨어진 상태에서 1 초 당 1 인치를 움직이는 속도로 천천히 움직이며 점검하세요. 한 번 빨래하거나, 드라이 하거나, 증류하는 등 세탁 기계를 한 번 돌렸으면 테스트할 필요가 있습니다. 누출의 징후(급작스럽게 소리가 나거나 불빛이 번쩍거림 등)를 이해할 수 있도록 탐지기의 사용 방법을 잘 읽으세요. 25PPM(parts per million)의 양이 흘렀다면 퍼크 누출에 해당됩니다. 탐지기가 누출을 가르친다면, 누출은 수리 스케줄에 따라 고쳐져야 합니다.

수리 항목(Repair Log)

-퍼크 누출이 발견됐거나, 압력이나 온도가 적절하지 않을 경우, 교체 부품이 공장에 있다면, 세탁 기계는 24 시간 이내에 고쳐져야 합니다. 수리 항목에 점검날짜와 수리가 필요한 내용, 필요한 부품을 주문하고, 배달되고, 설치하고, 수리가 끝난 날짜를 기록해야 합니다. 부품은 누출이 발견된 날로부터 이를 이내에 주문하고, 영수증을 받은 5 일 이내에 설치되어야 합니다.

수리항목-사례 1

점검날짜와 수리 내용 /부품 주문 날짜/ 부품배달날짜/부품 설치날짜/수리날짜
1/4/09 문 틈막이 누출(부품 공장에 없음) 1/16/09 1/15/09 1/21/09 1/22/09

수리항목-사례 2

점검날짜와 수리 내용 /부품 주문 날짜/ 부품배달날짜/부품 설치날짜/수리날짜
1/4/09 문 틈막이 누출(부품 공장에 있음) 1/4/09 1/5/09

세탁 달력 사용법 (계속)

-냉동 냉각기(콘덴서) 점검 항목

A. 압력 계량기가 설치된 기계 :

- 1.최고 압력과 최저 압력을 기록하세요.
- 2.압력이 기계 사용 기준치 이내에 있는 지를 예스의 경우 Y, 노의 경우 N 으로 표시하세요. N 에 표시했을 경우 콘덴서는 수리되어야 합니다.

B. 압력 계량기가 설치되지 않은 기계 :

- 1.차가워 지는 사이클이 끝나기 전에, 가스 수증기가 냉각기를 통해서 흐르고 있는 상태에서 콘덴서의 배출 온도를 기록하세요.
- 2.온도가 화씨 45 도(섭씨 7.2 도) 이하일 경우에는 Y, 아니면 N 으로 표시하세요. N 에 표시했을 경우 콘덴서는 수리되어야 합니다.

-2 차적인 탄소 흡착제의 점검

A.탄소 흡착제에 구멍이 있고 1993 년 9 월 22 일 이전에 설치된 기계를 사용 중일 경우:

- 1.탄소 흡착제를 제거하거나 목탄을 교체하지 말고, 기계의 마지막 사이클 때 탄소 흡착제의 배출 구멍에서 퍼크 농도를 측정하세요. 이때 색을 비교해 측정하는 색도계 관(colorimetric tube)을 사용해야 합니다. 퍼크 농도는 무게로 달아 +- 25ppm 허용치 안에서 100ppm 과 같거나 적어야 합니다.
- 2.퍼크 농도가 100ppm 보다 적으면 Y, 아니면 N 을 표시하세요.
- 3.측량 치가 정해진 한계를 충족시키지 않으면 기계 제조 업체의 지시에 따라 탄소 흡착제를 제거하고 다음 사이클 때 다시 측정하세요. 아직도 정해진 규정에 맞지 않으면 기계는 수리되어야 합니다.

B. 2005 년 12 월 21 일 이후 설치된 기계에서 문을 열기 전에 구멍이 없는 탄소 흡착제를 통해서 가스 증기가 흘러 지나가는 방법으로 사용될 때:

1. 드라이클린 머신 문을 연 즉시 통 안의 끝 부분에 있는 옷에 색도계 관 혹은 PCE 가스 분석기를 놓아 퍼크 농도를 측정하세요. 퍼크 농도는 무게로 달아 +- 75ppm 허용치 안에서 300ppm 과 같거나 적어야 합니다.
2. 퍼크 농도가 300ppm 보다 적으면 Y, 아니면 N 을 표시하세요.
3. 측량 치가 정해진 한계를 충족시키지 않으면 기계 제조 업체의 지시에 따라 탄소 흡착제를 제거하고 다음 사이클 때 다시 측정하세요. 아직도 정해진 규정에 맞지 않으면 기계는 수리되어야 합니다.

사례 : 냉동 콘덴서 점검 항목

Week 1 2 3 4 5

세탁 기계가 압력 측정기가 있을 경우 :

압력 측정기의 최고 와 최저 압력을 기록하세요.

최고/ 최저

세탁 기계가 압력 측정기가 없을 경우 :

냉동 콘덴서 배출 온도를 기록하세요.

측정 온도가 화씨 45 도 이하입니까?

이동 식 기계를 사용중이라면 :

매주 들어갈 때 온도와 나갈 때 온도를 기록하세요.

들어갈 때/나갈 때

온도 차이를 계산하세요.(들어갈 때-나올 때)

온도 차이가 화씨 20 도 이하입니까?

세탁 달력 사용법 (계속)

퍼크 구입 누적 합계

이 도표는 매달 첫 날에 완료되어야 합니다. 퍼크 구입 누적 합계 도표를 작성하는 방법은 아래와 같습니다.

퍼크 구입 누적 합계

(12 개월 누적)지난 달 합계 / 55 / 지난 달 기준 누적 합계를 입력하세요.

2009 년 1 월에 구입한 퍼크 공제 /-10 /작년 같은 달에 구입한 퍼크 양을 입력한 뒤 공제 하세요.

소계 / 45 / 이번 달에 퍼크를 구입하지 않았다면 지난 12 개월 동안의 총 누적 합계

구입 날짜/ 구입 양/ 1/09 기준 12 개월 누적 합계

7/12 퍼크를 구입한 날짜 기록

+15 이번 달에 퍼크를 구입했다면 양을 기록하고 소계에 더하세요. 이 양은 퍼크 구입 소계와 함께 내년 세탁 달력의 같은 달에 기록될 것입니다.

퍼크 구입 누적 합계

이 도표는 매달 첫 날에 완료되어야 합니다. 퍼크 구입 누적 합계 도표를 작성하는 방법은 아래와 같습니다.

보다 많은 정보를 얻기 위해 누구에게 연락해야 하나요?

펜실베이니아 주정부 중소기업개발 센터의 환경 운영 지원 프로그램(the Environmental Management Assistance Program. EMAP)을 통해 중소기업들은 감독 관청과 관련이 없는 숙련된 환경 전문가 팀에 의해 무료로 비밀이 보장된 지원을 받을 수 있습니다. EMAP 는 펜실베이니아 대학 와튼 스쿨에 본부가 있으며, 미 전국 16 개 대학을 네트워크로 연결해 일 대 일로 비밀이 보장된 상태에서 규칙의 이행을 지원하고 환경 운영 자문을 제공하고 있습니다. 보다 많은 정보를 얻으려면 EMAP 에 연락 하십시오.

전화 : 1-877-ask-emap(1-877-275-3627)

웹사이트 : www.askemap.org

Email : questions@askemap.org

<홍진수 국민일보/The Korean Daily News 편집인의 번역 도움으로 한글 판을 제작하게 되었습니다.>



January 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.						
	P D	P D	P D	P D	P D	
	Week	1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint trap	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Example: Refrigerated Condenser Monitoring Log						
	Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi					
	Lo					
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.						
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet					
	Outlet					
Calculate the difference (inlet minus outlet).						
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring						
	Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase JANUARY 2020		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	



2021 Dry Cleaner Compliance Calendar



JANUARY 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
After replacing gaskets and seals, check for tightness.					New Year's Day 1	 2
3	Calculate Perc Purchase Running Total 4	 5	 6	 7	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 8	 9
10	 11	 12	 13	 14	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 15	 16
 17	Martin Luther King Jr. Day 18	 19	 20	 21	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 22	 23
24 31	 25	 26	 27	 28	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 29	 30



February 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.		P D	P D	P D	P D	P D
	Week	1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Lint trap	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Example: Refrigerated Condenser Monitoring Log						
	Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi	/	/	/	/	/
	Lo	/	/	/	/	/
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.						
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet					
	Outlet					
Calculate the difference (inlet minus outlet).						
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring						
	Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase FEBRUARY 2020		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

FEBRUARY 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Calculate Perc Purchase Running Total 1	2	3	4	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 5	6
7	8	9	10	11	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 12	13
Valentine's Day 14	Presidents' Day 15	16	17	18	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 19	20
21	22	23	24	25	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 26	27
28	A flower for each customer is a good Valentine's Day promotion.					



March 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.						
	P	D	P	D	P	D
	Week	1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint trap	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Example: Refrigerated Condenser Monitoring Log						
	Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi					
	Lo					
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.						
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet					
	Outlet					
Calculate the difference (inlet minus outlet).						
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring						
	Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase MARCH 2020		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

MARCH 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Calculate Perc Purchase Running Total 1	2	3	4	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 5	6
7	8	9	10	11	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 12	13
14	15	16	St. Patrick's Day 17	18	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 19	20
21	22	23	24	25	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 26	27
28	29	30	31	All dry cleaning equipment should be operated and maintained according to the manufacturer's instructions found in the operation and maintenance manuals.		



April 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.						
	P	D	P	D	P	D
	Week	1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint trap	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Example: Refrigerated Condenser Monitoring Log						
	Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi					
	Lo					
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.						
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet					
	Outlet					
Calculate the difference (inlet minus outlet).						
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring						
	Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase APRIL 2020		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

APRIL 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Reduce your energy cost by upgrading lighting in the plant.				Calculate Perc Purchase Running Total 1	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 2	3
Easter Sunday 4	5	6	7	8	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 9	10
11	12	13	14	15	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 16	17
18	19	20	21	22	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 23	24
25	26	27	28	29	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 30	



May 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.						
	P	D	P	D	P	D
	Week	1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint trap	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Example: Refrigerated Condenser Monitoring Log						
	Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi					
	Lo					
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.						
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet					
	Outlet					
Calculate the difference (inlet minus outlet).						
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring						
	Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase MAY 2020	-	
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

MAY 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	Calculate Perc Purchase Running Total 3	4	5	6	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 7	8
Mother's Day 9	10	11	12	13	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 14	15
16	17	18	19	20	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 21	22
23	24	25	26	27	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 28	29
30	Memorial Day 31					



June 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.						
	P	D	P	D	P	D
	Week	1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint trap	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Example: Refrigerated Condenser Monitoring Log						
	Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi					
	Lo					
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.						
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet					
	Outlet					
Calculate the difference (inlet minus outlet).						
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring						
	Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase JUNE 2020		-
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

JUNE 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		Calculate Perc Purchase Running Total			Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	
		1	2	3	4	5
6	7	8	9	10	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	12
13	14	15	16	17	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	19
Father's Day					Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	
20	21	22	23	24	25	26
27	28	29	30	Gender charges are illegal. You may charge more for hand finishing that is required for ruffles, trim or darts.		



July 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.						
	P	D	P	D	P	D
	Week	1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint trap	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Example: Refrigerated Condenser Monitoring Log						
	Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi					
	Lo					
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.						
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet					
	Outlet					
Calculate the difference (inlet minus outlet).						
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring						
	Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase JULY 2020	-	
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

JULY 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Clean the air intake for your boiler regularly to save fuel costs.				Calculate Perc Purchase Running Total 1	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 2	3
Independence Day 4	5	6	7	8	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 9	10
11	12	13	14	15	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 16	17
18	19	20	21	22	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 23	24
25	26	27	28	29	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 30	31



August 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.						
	P	D	P	D	P	D
	Week	1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint trap	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Example: Refrigerated Condenser Monitoring Log						
	Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi					
	Lo					
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.						
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet					
	Outlet					
Calculate the difference (inlet minus outlet).						
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring						
	Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase AUGUST 2020	-	
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	



2021 Dry Cleaner Compliance Calendar



AUGUST 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	Calculate Perc Purchase Running Total	2	3	4	5	6 Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>
8	9	10	11	12	13 Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	14
15	16	17	18	19	20 Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	21
22	23	24	25	26	27 Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/>	28
29	30	31	Put a stop to the drop. Check for leaks.			



September 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.		P D	P D	P D	P D	P D
Week		1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint trap	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Example: Refrigerated Condenser Monitoring Log							
		Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi						
	Lo						
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.							
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet						
	Outlet						
Calculate the difference (inlet minus outlet).							
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring							
		Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase SEPTEMBER 2020	-	
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

SEPTEMBER 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			Calculate Perc Purchase Running Total 1	2	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 3	4
5	Labor Day 6	7	8	9	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 10	11
12	13	14	15	16	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 17	18
19	20	21	22	23	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 24	25
26	27	28	29	30	Detergent and sizing are very important additives to the cleaning procedure. Proper use results in ultimate quality.	



October 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.						
	P D	P D	P D	P D	P D	
	Week	1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint trap	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Example: Refrigerated Condenser Monitoring Log						
	Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi	/	/	/	/	/
	Lo	/	/	/	/	/
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.						
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet					
	Outlet					
Calculate the difference (inlet minus outlet).						
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring						
	Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase OCTOBER 2020	-	
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

OCTOBER 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Before cleaning draperies, check for sun and water damage.					Calculate Perc Purchase Running Total Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 1	2
3	4	5	6	7	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 8	9
10	Columbus Day	12	13	14	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 15	16
17	18	19	20	21	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 22	23
24	25	26	27	28	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 29	30
Halloween 31						



November 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.						
	P D	P D	P D	P D	P D	
	Week	1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint trap	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Example: Refrigerated Condenser Monitoring Log						
	Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi					
	Lo					
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.						
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet					
	Outlet					
Calculate the difference (inlet minus outlet).						
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring						
	Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase NOVEMBER 2020	-	
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	



2021 Dry Cleaner Compliance Calendar



NOVEMBER 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Calculate Perc Purchase Running Total 1	2	3	4	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 5	6
7	8	9	10	Veterans Day 11	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 12	13
14	15	16	17	18	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 19	20
21	22	23	24	Thanksgiving Day 25	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 26	27
28	29	30	Promote alterations for new holiday clothes or repair old ones.			



December 2021

Week:	1	2	3	4	5
Date:					
Staff Initials:					

Weekly Equipment Inspections						
Are the components without leaks? Circle Y for yes, or N for no.						
Method: choose one. Circle P for touch, sight or smell, or D for use of detector.						
	P D	P D	P D	P D	P D	
	Week	1	2	3	4	5
wash cycle	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Machine door gasket and seating	Y N	Y N	Y N	Y N	Y N
	Pumps	Y N	Y N	Y N	Y N	Y N
	Button Trap	Y N	Y N	Y N	Y N	Y N
	Filter housings	Y N	Y N	Y N	Y N	Y N
	Filter gaskets and seating	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
dry cycle	Deodorizing and aeration valves on dryers	Y N	Y N	Y N	Y N	Y N
	Air and exhaust ductwork	Y N	Y N	Y N	Y N	Y N
	Heating and cooling coil doors	Y N	Y N	Y N	Y N	Y N
	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Lint trap	Y N	Y N	Y N	Y N	Y N
distillation, misc.	Hose connections, unions, couplings & valves	Y N	Y N	Y N	Y N	Y N
	Water separators	Y N	Y N	Y N	Y N	Y N
	Distillation Unit	Y N	Y N	Y N	Y N	Y N
	Solvent tanks	Y N	Y N	Y N	Y N	Y N
	Muck coolers	Y N	Y N	Y N	Y N	Y N
	Waste tanks and storage containers	Y N	Y N	Y N	Y N	Y N

Repair Log				
Inspection Date and Description of Repair	Date Part Ordered	Date Part Received	Date Part Installed	Date Repaired

Example: Refrigerated Condenser Monitoring Log						
	Week	1	2	3	4	5
If the machine has pressure gauges: Record pressures of high and low pressure gauges.	Hi					
	Lo					
Are pressure gauges within the ranges specified in the manual?		Y N	Y N	Y N	Y N	Y N
If the machine does not have pressure gauges: Record refrigerated condenser outlet temperature.						
Is the temperature gauge <45°F?		Y N	Y N	Y N	Y N	Y N
If operating a transfer machine: Record inlet and outlet temperatures weekly.	Inlet					
	Outlet					
Calculate the difference (inlet minus outlet).						
Is the difference >20°F?		Y N	Y N	Y N	Y N	Y N
Secondary Carbon Adsorber Monitoring						
	Week	1	2	3	4	5
Is adsorber exhaust perc concentration less than 100 ppm? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N
Major sources only: Is perc concentration less than 300 ppm in drum? (for machines that vent to carbon adsorbers prior to machine door opening)		Y N	Y N	Y N	Y N	Y N

Perc Purchases Running Total		
Total from Last Month		
Subtract Perc Purchase DECEMBER 2020	-	
Subtotal		
Purchase Date	Purchase Amount	12 Month Running Total
	+	
	+	

DECEMBER 2021

For Free and Confidential Assistance
Call 877-ask-emap (877-275-3627)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			Calculate Perc Purchase Running Total 1	2	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 3	4
5	6	7	8	9	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 10	11
12	13	14	15	16	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> 17	18
19	20	21	22	23	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> Christmas Eve 24	Christmas Day 25
26	27	28	29	30	Condenser Reading Logged <input type="checkbox"/> Inspect logged <input type="checkbox"/> New Year's Eve 31	Remember to test trim, glitter, and sequins before cleaning.

2021 Dry Cleaner Compliance Calendar

Regulatory Overview

The Clean Air Act Amendment of 1990 directed the United States Environmental Protection Agency (EPA) to regulate the emissions of 189 chemical compounds designated as Hazardous Air Pollutants. The perchloroethylene used in the dry cleaning machine, also known as “perc,” is one of these chemicals. Perc is the most commonly used chemical cleaning solvent used by dry cleaners.

In September 1993, the EPA issued national regulations to control air emissions of perc from dry cleaners. Pennsylvania adopted the federal regulation as their own. These regulations created operational standards and control technology requirements to reduce perc air emissions from dry cleaning operations.

More recently, the EPA was required to strengthen the existing regulations due to potential health risks caused by perc. Perc is considered to be a potential cause of cancer. Congress and EPA mandated that the health hazard caused by perc be regulated to limit exposure to the chemical. On July 27, 2006, EPA published additional new regulations for perc drycleaners revising the 1993 rule. The 2006 rule requires additional emission controls for new drycleaner shops that have erected or installed new or used dry cleaning machine systems after Dec. 21, 2005. The new rule also created special requirements for dry cleaning shops that are located in buildings containing residences, and co-residential properties. **As of Dec. 21, 2020, no perc dry cleaning machines may be used at dry cleaning facilities located in buildings in which people reside such as houses, apartments, condos, and co-ops (co-residential facilities).**

This calendar will keep accurate records for both the state and federal reporting requirements. It is an effective tool to maintain records and compliance with both the old and revised federal perc dry cleaner regulations. Remember the calendar is the annual record of compliance. Keep these (records) calendars for a period of five years. Also, remember to inform DEP if there is an address or ownership change.

Have a copy of the operations manual for the machine, refrigeration condenser and carbon adsorber on-site at all times.

Regulatory Citations

Federal EPA requirements: 40 CFR 63.320 through 40 CFR 63.325, Subpart M--Perchloroethylene Dry Cleaning Facilities

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2021 Dry Cleaner Compliance Calendar

Definitions

Ancillary equipment - the equipment used with a dry cleaning machine in a dry cleaning system including, but not limited to, emission control devices, pumps, filters, muck cookers, stills, solvent tanks, solvent containers, water separators, exhaust dampers, diverter valves, interconnecting piping, hoses and ducts.

Biweekly - any 14-day period of time.

Carbon adsorber - a bed of activated carbon into which an air-perc vapor stream is routed and which adsorbs the perc on the carbon.

Colorimetric detector tube - a glass tube (sealed prior to use), containing a chemical that changes color when exposed to perc and is designed to measure the concentration of perc in air.

Construction - the onsite fabrication, erection or installation of a dry cleaning system.

Diverter valve - a flow control device that prevents room air from passing through a refrigerated condenser when the door of the dry cleaning machine is open.

Dry cleaning machine drum - the perforated (meaning with holes in it) container inside the dry cleaning machine that holds articles during dry cleaning.

Dry cleaning system - a dry-to-dry machine and its ancillary equipment or a transfer machine system and its ancillary equipment.

Dryer - a machine used to remove perc from articles by tumbling them in a heated air stream (sometimes called reclaimer).

Dry-to-dry machine - a one-machine dry cleaning operation in which washing and drying are performed in the same machine.

Exhaust damper - a flow control device that prevents the air-perc vapor stream from exiting the dry cleaning machine into a carbon adsorber before room air is drawn into the dry cleaning machine.

Existing (for **September 1993** rule) - commenced construction or reconstruction before Dec. 9, 1991.

Existing (for **July 2006** rule) - commenced construction or reconstruction before Dec. 21, 2005.

Filter - a porous device through which perc is passed to remove contaminant's in suspension. Examples include, but are not limited to, lint filter, button trap, cartridge filter, tubular filter, regenerative filter, prefilter, polishing filter and spin disc filter.

Halogenated hydrocarbon detector - a portable device capable of detecting vapor concentrations of perc of 25 parts per million (ppm) by volume and indicating a concentration of 25 ppm by volume or greater by emitting an audible or visual signal that varies as the concentration changes.

New (for **September 1993** rule) - commenced construction or reconstruction on or after Dec. 9, 1991.

New (for **July 2006** rule) - commenced construction or reconstruction on or after Dec. 21, 2005.

Definitions (continued)

PCE gas analyzer - a flame ionization detector, photoionization detector or infrared analyzer capable of detecting vapor concentrations of perc of 25 parts per million by volume.

Perceptible leaks - any perc vapor or liquid leaks that are obvious from:

1. The odor of perc;
2. Visual observation, such as pools or droplets of liquid; or
3. The detection of gas flow by passing the fingers over the surface of equipment.

Reconstruction - replacement of a washer, dryer or reclaimer; or replacement of any components of a dry cleaning system to such an extent that the fixed capital cost of the new components exceeds 50 percent of the fixed capital cost that would be required to construct a comparable new source.

Refrigerated condenser - a vapor recovery system into which an air-perc vapor stream is routed and the perc is condensed by cooling the gas-vapor stream.

Still - any device used to volatilize and recover perc from contaminated perc.

Transfer machine system - a multiple-machine dry cleaning operation in which washing and drying are performed in different machines. Examples include, but are not limited to:

1. A washer and dryer(s);
2. A washer and reclaimer(s); or
3. A dry-to-dry machine and reclaimer(s).

Vapor leak - a perc vapor concentration exceeding 25 parts per million by volume (50 parts per million by volume as methane) as indicated by a halogenated hydrocarbon detector or perc gas analyzer.

Washer - a machine used to clean articles by immersing them in perc. This includes a dry-to-dry machine when used with a reclaimer.

Water separator - any device used to recover perc from a water-perc mixture, includes evaporators.

Store Classification and Requirements

This chart will help classify the facility, determine what controls are needed and determine what leak detection and monitoring is required.

Classification Based on Yearly Perc Usage	Classification Based on Date Machine Purchased and Installed	Controls Required	Leak Detection Monitoring Required
Small Area Source dry-to-dry only: less than 140 gallons*	Existing New or used dry cleaning machine initially installed before Dec. 21, 2005.	Refrigerated Condenser (unless installed before Dec. 9, 1991, then no controls are required)	Monthly: halogenated hydrocarbon detector (starting July 28, 2008) Every 2 Weeks: perceptible leak check (smell, touch, sight)
	New New or used dry cleaning machine initially installed on or after Dec. 21, 2005.	Refrigerated Condenser Must recirculate perc vapor stream through non-vented carbon absorber before door can open	Monthly: halogenated hydrocarbon detector (starting on date installed) Every Week: perceptible leak check (smell, touch, sight)
Large Area Source dry-to-dry only: 140 gallons up to 2,100 gallons*	Existing New or used dry cleaning machine initially installed before Dec. 21, 2005.	Refrigerated Condenser (unless installed before Sept. 22, 1993, then Refrigerated Condenser, or Existing Carbon Absorber)	Monthly: halogenated hydrocarbon detector (starting July 28, 2008) Every Week: perceptible leak check (smell, touch, sight)
	New New or used dry cleaning machine initially installed on or after Dec. 21, 2005.	Refrigerated Condenser Must recirculate perc vapor stream through non-vented carbon absorber before door can open	Monthly: halogenated hydrocarbon detector (starting on date installed) Every Week: perceptible leak check (smell, touch, sight)
Major Source dry-to-dry: 2,100 gallons or more*	Date of purchase or installation does not make any difference in determination of this category.	Refrigerated Condenser + Room Enclosure + Carbon Absorber	Monthly: perc (PCE) gas analyzer (starting July 27, 2006) Every Week: perceptible leak check (smell, touch, sight)

* **IMPORTANT:** Transfer systems may not be used after July 27, 2008 at any dry cleaning facility.

2021 Dry Cleaner Compliance Calendar

Co-Residential Perc Machines Prohibited

- As of **December 21, 2020**, the use of Co-Residential perc machines is **prohibited**.
- Co-Residential perc machines are dry cleaning machines located in buildings with a residence, such as a house, apartment building, hotel or condominium.
- **Reasoning:** EPA has prohibited perc dry cleaning facilities located in buildings in which people reside such as houses, apartments, condos and co-ops. Because residences in these buildings are located very close to these dry cleaners, exposures and potential health risks to residents can be much higher.

Retain All Records

Staple all solvent purchase receipts, which also show perc volume, parts/repair invoices, repair orders (if written), to this sheet and save for at least five years.

**Department of Environmental Protection
Bureau of Air Quality
P.O. Box 8468
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