MISSOURI NATURAL RESOURCES

2020
Dry Cleaning
Compliance Calendar

Recycled Paper

01/2020 PUB1310

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

LEGEND OF TERMS

APCP or air program - Air Pollution Control Program

EIQ - Emissions Inventory Questionnaire

EPA - Environmental Protection Agency

ERP - Environmental Remediation Program

NESHAP - National Emission Standards for Hazardous Air Pollutants

Perc - Perchloroethylene

SQG - Small Quantity Generators

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Dry Cleaning Compliance Calendar: Instructions for Use

This calendar helps dry cleaners keep records required by the Missouri Department of Natural Resources. The checklists cover requirements for EPA's national emission standards for hazardous air pollutants for dry cleaners. The department recommends dry cleaners:

* Maintain records of purchases and waste removal.
* Keep completed calendars on site for five years.
* If the answer is "yes" to any inspection questions, document what the dry cleaner did to correct the problem(s).

Running Total of Perchloroethylene (Perc) Consumption
Example for January 2020

12-month total from last month	*75*	
Subtract perc purchased Jan 2019	*15*	
	Subtotal	*60*
This month's perc purchases*		
Purchase Date	Gallons	
January 1	*10*	
January 22	*15*	
	January perc total	*25*
	Current 12-month running total (Subtotal + January 2020 total)	*85*

Insert 12-month running total from last month, that is, from Jan. 1, 2019, through Dec. 31, 2019.

Subtract perc purchased during this month last year. In this example, the dry cleaner purchased 15 gallons in January 2019.

This is the amount of perc purchased during the last 11 months.

This is the amount of perc purchased for this month, January 2020.

This is the 12-month running total. Carry this number over to next month's calendar page.

If a dry cleaner purchases less than 140 gallons of perc/yr., then...

- Weekly: Check outlet temperature of refrigerated condenser or refrigeration pressure difference during drying phase per operating instructions. (Not required if not constructed after Dec. 9, 1991.)
- Every other week: Check machine for leaks while it is running.
- Monthly: Use halogenated hydrocarbon leak detector or perc gas analyzer to perform leak checks.
- Always: record results of leak checks.

If dry cleaner purchases between 140 and 2,100 gallons perc/yr., then...

- Weekly: Check outlet temperature of refrigerated condenser or refrigeration pressure difference during drying phase per operating instructions.
- Weekly: Check machine for leaks.
- Monthly: Use halogenated hydrocarbon leak detector or perc gas analyzer to perform leak checks.
- Always: record results of leak checks.

If dry cleaner purchases more than 2,100 gallons of perc/yr., then...

- Weekly: Check outlet temperature of refrigerated condenser or refrigeration pressure difference during drying phase per operating instructions.
- Weekly: Check machine for leaks.
- Monthly: Use perc gas analyzer to perform leak checks.
- Always: record results of leak checks.

Missouri Department of Natural Resources

January 2020

Weekly Inspection

Are the following items leaking? Staff Initials	Jan 3, 2020 _____	Jan 10, 2020 _____	Jan 17, 2020 _____	Jan 24 2020 _____	Jan 31, 2020 _____	Date Parts Ordered	Date Parts Received	Date Repaired	Description of Repair *
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N	Y N				
Door gasket and seal	Y N	Y N	Y N	Y N	Y N				
Pump	Y N	Y N	Y N	Y N	Y N				
Solvent tanks and containers	Y N	Y N	Y N	Y N	Y N				
Water separator	Y N	Y N	Y N	Y N	Y N				
Muck cooker	Y N	Y N	Y N	Y N	Y N				
Still	Y N	Y N	Y N	Y N	Y N				
Exhaust damper	Y N	Y N	Y N	Y N	Y N				
Diverter valve	Y N	Y N	Y N	Y N	Y N				
Filter gasket and seal	Y N	Y N	Y N	Y N	Y N				
Cartridge filter housing	Y N	Y N	Y N	Y N	Y N				
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N	Y N				
Evaporator / Mister	Y N	Y N	Y N	Y N	Y N				
Method of Inspection (**S** = Feel, Sight or Smell: **D** = Detector)	S D	S D	S D	S D	S D				
Carbon Adsorber – Perc Less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N	Y N				

Refrigerated Condenser Temperature

Date	Temperature
Jan 3, 2020	
Jan 10, 2020	
Jan 17, 2020	
Jan 24, 2020	
Jan 31, 2020	

If temperature is above 45° F (7.2°C), document what is done to correct the problem.

Perc Consumption Running Total

12-month total from last month =	
Subtract perc purchased January 2019 =	
Subtotal =	

This month's perc purchases*

Purchase Date	Gallons

January perc total =	
Current 12-month running total (Subtotal + January total) =	

***Keep Receipts**

Missouri Department of Natural Resources

January 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3 Inspection ☐ Condenser Temperature ☐	4
5	6	7	8	9	10 Inspection ☐ Condenser Temperature ☐	11
12	13	14	15	16	17 Inspection ☐ Condenser Temperature ☐	18
19	20	21	22	23	24 Inspection ☐ Condenser Temperature ☐	25
26	27	28	29	30	31 Advanced Leak Detection ☐ Condenser Temperature ☐	

Notes:

MISSOURI DEPARTMENT OF NATURAL RESOURCES

February 2020

Are the following items leaking? Staff Initials	Feb. 7, 2020 _____	Feb. 14, 2020 _____	Feb. 21, 2020 _____	Feb. 28, 2020 _____		Date Parts Ordered	Date Parts Received	Date Repaired	Description of Repair*
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N					
Door gasket and seal	Y N	Y N	Y N	Y N					
Pump	Y N	Y N	Y N	Y N					
Solvent tanks and containers	Y N	Y N	Y N	Y N					
Water separator	Y N	Y N	Y N	Y N					
Muck cooker	Y N	Y N	Y N	Y N					
Still	Y N	Y N	Y N	Y N					
Exhaust damper	Y N	Y N	Y N	Y N					
Diverter valve	Y N	Y N	Y N	Y N					
Filter gasket and seal	Y N	Y N	Y N	Y N					
Cartridge filter housing	Y N	Y N	Y N	Y N					
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N					
Evaporator / mister	Y N	Y N	Y N	Y N					
Method of inspection (**S** = feel, sight or smell; **D** = detector)	S D	S D	S D	S D					
Carbon adsorber – Perc less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N					

Refrigerated Condenser Temperature

Date	Temperature
Feb. 7, 2020	
Feb.14, 2020	
Feb. 21, 2020	
Feb. 28, 2020	

If temperature is above 45° F (7.2°C), document what the dry cleaner does to correct the problem.

Running Total of Perc Consumption

12-month total from last month	gal.	
Subtract perc purchased February 2019	- gal.	
Subtotal		gal.

This month's perc purchases*	
Purchase Date	Gallons

February perc total	gal.
Current 12-month running total (Subtotal + February total)	gal.

***Keep receipts.**

Missouri Department of Natural Resources

February 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7 Inspection ☐ Condenser Temperature ☐	8
9	10	11	12	13	14 Inspection ☐ Condenser Temperature ☐	15
16	17	18	19	20	21 Inspection ☐ Condenser Temperature ☐	22
23	24	25	26	27	28 Advanced Leak Detection ☐ Condenser Temperature ☐	29

Notes:

**If mailed, must be postmarked

Missouri Department of Natural Resources

March 2020

Weekly Inspection

Are the following items leaking? Staff Initials	Mar 6, 2020 _____	Mar 13, 2020 _____	Mar 20, 2020 _____	Mar 27, 2020 _____		Date Parts Ordered	Date Parts Received	Date Repaired	Description of Repair*
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N					
Door gasket and seal	Y N	Y N	Y N	Y N					
Pump	Y N	Y N	Y N	Y N					
Solvent tanks and containers	Y N	Y N	Y N	Y N					
Water separator	Y N	Y N	Y N	Y N					
Muck cooker	Y N	Y N	Y N	Y N					
Still	Y N	Y N	Y N	Y N					
Exhaust damper	Y N	Y N	Y N	Y N					
Diverter valve	Y N	Y N	Y N	Y N					
Filter gasket and seal	Y N	Y N	Y N	Y N					
Cartridge filter housing	Y N	Y N	Y N	Y N					
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N					
Evaporator / Mister	Y N	Y N	Y N	Y N					
Method of Inspection (**S** = Feel, Sight or Smell: **D** = Detector)	S D	S D	S D	S D					
Carbon Adsorber – Perc Less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N					

Refrigerated Condenser Temperature

Date	Temperature
Mar 6, 2020	
Mar 13, 2020	
Mar 20, 2020	
Mar 27, 2020	

If temperature is above 45° F (7.2°C), document what is done to correct the problem.

Perc Consumption Running Total

12-month total from last month =	
Subtract perc purchased March 2019=	
Subtotal =	

This month's perc purchases*

Purchase Date	Gallons

March perc total =	
Current 12-month running total (Subtotal + March total) =	

***Keep Receipts**

Missouri Department of Natural Resources

March 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	Inspection ☐ 6 Condenser Temperature ☐	7
8	9	10	11	12	Inspection ☐ 13 Condenser Temperature ☐	14
15	16	17	18	19	Inspection ☐ 20 Condenser Temperature ☐	21
22	23	24	25	26	Advanced Leak Detection ☐ 27 Condenser Temperature ☐	28
29	30	31				

Notes:

MISSOURI DEPARTMENT OF NATURAL RESOURCES

April 2020

Weekly Inspection

Are the following items leaking? Staff Initials	April 3, 2020 _____	April 10, 2020 _____	April 17, 2020 _____	April 24, 2020 _____	Date Parts Ordered	Date Parts Received	Date Repaired	Description of Repair*
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N				
Door gasket and seal	Y N	Y N	Y N	Y N				
Pump	Y N	Y N	Y N	Y N				
Solvent tanks and containers	Y N	Y N	Y N	Y N				
Water separator	Y N	Y N	Y N	Y N				
Muck cooker	Y N	Y N	Y N	Y N				
Still	Y N	Y N	Y N	Y N				
Exhaust damper	Y N	Y N	Y N	Y N				
Diverter valve	Y N	Y N	Y N	Y N				
Filter gasket and seal	Y N	Y N	Y N	Y N				
Cartridge filter housing	Y N	Y N	Y N	Y N				
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N				
Evaporator / Mister	Y N	Y N	Y N	Y N				
Method of Inspection (**S** = feel, sight or smell; **D** = detector)	S D	S D	S D	S D				
Carbon Adsorber – Perc less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N				

Refrigerated Condenser Temperature

Date	Temperature
April 3, 2020	
April 10, 2020	
April 17, 2020	
April 24, 2020	

If temperature is above 45° F (7.2°C), document what the dry cleaner does to correct the problem.

Running Total of Perc Consumption

12-month total from last month	gal.	
Subtract perc purchased April 2019	- gal.	
Subtotal		gal.

This month's perc purchases*

Purchase Date	Gallons

April perc total	gal.
Current 12-month running total (Subtotal + April total)	gal.

***Keep receipts.**

Missouri Department of Natural Resources

April 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
April 1 – Paper version of air program's EIQ due. (Note: Most dry cleaners no longer must submit EIQs.) **Air Program**: Intermediate or Part 70 compliance report due, if applicable			1	2	3 Inspection ☐ Condenser Temperature ☐	4
5	6	7	8	9	10 Inspection ☐ Condenser Temperature ☐	11
12	13	14	15	16	17 Inspection ☐ Condenser Temperature ☐	18
19	20	21	22	23	24 Advanced Leak Detection ☐ Condenser Temperature ☐	25
26	27	28	29	30		

Notes:

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May 2020

Weekly Inspection

Are the following items leaking? Staff Initials	May 1, 2020 _____	May 8, 2020 _____	May 15, 2020 _____	May 22, 2020 _____	May 29, 2020 _____	Date Parts Ordered	Date Parts Received	Date Repaired	Description of Repair*
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N	Y N				
Door gasket and seal	Y N	Y N	Y N	Y N	Y N				
Pump	Y N	Y N	Y N	Y N	Y N				
Solvent tanks and containers	Y N	Y N	Y N	Y N	Y N				
Water separator	Y N	Y N	Y N	Y N	Y N				
Muck cooker	Y N	Y N	Y N	Y N	Y N				
Still	Y N	Y N	Y N	Y N	Y N				
Exhaust damper	Y N	Y N	Y N	Y N	Y N				
Diverter valve	Y N	Y N	Y N	Y N	Y N				
Filter gasket and seal	Y N	Y N	Y N	Y N	Y N				
Cartridge filter housing	Y N	Y N	Y N	Y N	Y N				
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N	Y N				
Evaporator / mister	Y N	Y N	Y N	Y N	Y N				
Method of inspection (**S** = feel, sight or smell; **D** = detector)	S D	S D	S D	S D	S D				
Carbon adsorber – Perc less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N	Y N				

Refrigerated Condenser Temperature

Date	Temperature
May 1, 2020	
May 8, 2020	
May 15, 2020	
May 22, 2020	
May 29, 2020	

If temperature is above 45° F (7.2°C), document what the dry cleaner does to correct the problem.

Running Total of Perc Consumption

12-month total from last month	gal.	
Subtract perc purchased May 2019	- gal.	
Subtotal		gal.

This month's perc purchases*

Purchase Date	Gallons

May perc total	gal.
Current 12-month running total (Subtotal + May total)	gal.

***Keep receipts.**

Missouri Department of Natural Resources

May 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		May 1 - Submit electronic version of APCP Emissions Inventory Questionnaire (EIQ), if required (Note: Most dry cleaners are no longer required to submit EIQ).			1 Inspection ☐ Condenser Temperature ☐	2
3	4	5	6	7	8 Inspection ☐ Condenser Temperature ☐	9
10	11	12	13	14	15 Inspection ☐ Condenser Temperature ☐	16
17	18	19	20	21	22 Inspection ☐ Condenser Temperature ☐	23
24	25	26	27	28	29 Advanced Leak Detection ☐ Condenser Temperature ☐	30
31						

Notes:

**If mailed, must be postmarked by the due date.

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June 2020

Weekly Inspection

Are the following items leaking? Staff Initials	June 5, 2020 _____	June 12, 2020 _____	June 19, 2020 _____	June 26 2020 _____		Date Parts Ordered	Date Parts Received	Date Repaired	Description of Repair*
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N					
Door gasket and seal	Y N	Y N	Y N	Y N					
Pump	Y N	Y N	Y N	Y N					
Solvent tanks and containers	Y N	Y N	Y N	Y N					
Water separator	Y N	Y N	Y N	Y N					
Muck cooker	Y N	Y N	Y N	Y N					
Still	Y N	Y N	Y N	Y N					
Exhaust damper	Y N	Y N	Y N	Y N					
Diverter valve	Y N	Y N	Y N	Y N					
Filter gasket and seal	Y N	Y N	Y N	Y N					
Cartridge filter housing	Y N	Y N	Y N	Y N					
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N					
Evaporator / mister	Y N	Y N	Y N	Y N					
Method of inspection (**S** = feel, sight or smell; **D** = detector)	S D	S D	S D	S D					
Carbon adsorber – Perc less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N					

Refrigerated Condenser Temperature

Date	Temperature
June 5, 2020	
June 12, 2020	
June 19, 2020	
June 26, 2020	

If temperature is above 45° F (7.2°C), document what is done to correct the problem.

Running Total of Perc Consumption

12-month total from last month	gal.	
Subtract perc purchased June 2019	- gal.	
Subtotal		gal.

This month's perc purchases*

Purchase Date	Gallons

June perc total	gal.
Current 12-month running total (Subtotal + June total)	gal.

***Keep receipts.**

Missouri Department of Natural Resources

June 2020

June 1- Submit payment or air program fees (Note: Most dry cleaners are no longer required to submit EIQs.)

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5 Inspection ☐ Condenser Temperature ☐	6
7	8	9	10	11	12 Inspection ☐ Condenser Temperature ☐	13
14	15	16	17	18	19 Inspection ☐ Condenser Temperature ☐	20
21	22	23	24	25	26 Advanced Leak Detection ☐ Condenser Temperature ☐	27
28	29	30				

Notes:

Missouri Department of Natural Resources

July 2020

Weekly Inspection

Are the following items leaking? Staff Initials	Jul 3, 2020 _____	Jul 10, 2020 _____	Jul 17, 2020 _____	Jul 24, 2020 _____	Jul 31, 2020 _____	Date Parts Ordered	Date Parts Received	Date Repaired	Description of Repair*
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N	Y N				
Door gasket and seal	Y N	Y N	Y N	Y N	Y N				
Pump	Y N	Y N	Y N	Y N	Y N				
Solvent tanks and containers	Y N	Y N	Y N	Y N	Y N				
Water separator	Y N	Y N	Y N	Y N	Y N				
Muck cooker	Y N	Y N	Y N	Y N	Y N				
Still	Y N	Y N	Y N	Y N	Y N				
Exhaust damper	Y N	Y N	Y N	Y N	Y N				
Diverter valve	Y N	Y N	Y N	Y N	Y N				
Filter gasket and seal	Y N	Y N	Y N	Y N	Y N				
Cartridge filter housing	Y N	Y N	Y N	Y N	Y N				
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N	Y N				
Evaporator / Mister	Y N	Y N	Y N	Y N	Y N				
Method of Inspection (**S** = Feel, Sight or Smell: **D** = Detector)	S D	S D	S D	S D	S D				
Carbon Adsorber – Perc Less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N	Y N				

Refrigerated Condenser Temperature

Date	Temperature
Jul 3, 2020	
Jul 10, 2020	
Jul 17, 2020	
Jul 24, 2020	
Jul 31, 2020	

If temperature is above 45° F (7.2°C), document what is done to correct the problem.

Perc Consumption Running Total

12-month total from last month =	
Subtract perc purchased July 2019 =	
Subtotal =	

This month's perc purchases*

Purchase Date	Gallons

July perc total =	
Current 12-month running total (Subtotal + May total) =	

***Keep Receipts**

Missouri Department of Natural Resources

July 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3 Inspection ☐ Condenser Temperature ☐	4
5	6	7	8	9	10 Inspection ☐ Condenser Temperature ☐	11
12	13	14	15	16	17 Inspection ☐ Condenser Temperature ☐	18
19	20	21	22	23	24 Inspection ☐ Condenser Temperature ☐	25
26	27	28	29	30	31 Advanced Leak Detect ☐ Condenser Temperature ☐	

Notes:

Missouri Department of Natural Resources

August 2020

Weekly Inspection

Are the following items leaking? Staff Initials	Aug 7, 2020 _____	Aug 14, 2020 _____	Aug 21, 2020 _____	Aug 28, 2020 _____		Date Parts Ordered	Date Parts Received	Date Repaired	Description of Repair*
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N					
Door gasket and seal	Y N	Y N	Y N	Y N					
Pump	Y N	Y N	Y N	Y N					
Solvent tanks and containers	Y N	Y N	Y N	Y N					
Water separator	Y N	Y N	Y N	Y N					
Muck cooker	Y N	Y N	Y N	Y N					
Still	Y N	Y N	Y N	Y N					
Exhaust damper	Y N	Y N	Y N	Y N					
Diverter valve	Y N	Y N	Y N	Y N					
Filter gasket and seal	Y N	Y N	Y N	Y N					
Cartridge filter housing	Y N	Y N	Y N	Y N					
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N					
Evaporator / Mister	Y N	Y N	Y N	Y N					
Method of Inspection (**S** = Feel, Sight or Smell: **D** = Detector)	S D	S D	S D	S D					
Carbon Adsorber – Perc Less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N					

Refrigerated Condenser Temperature

Date	Temperature
Aug 7, 2020	
Aug 14, 2020	
Aug 21, 2020	
Aug 28, 2020	

If temperature is above 45° F (7.2°C), document what is done to correct the problem.

Perc Consumption Running Total

12-month total from last month =	
Subtract perc purchased August 2019 =	
Subtotal =	

This month's perc purchases*

Purchase Date	Gallons

August perc total =	
Current 12-month running total (Subtotal + August total) =	

***Keep Receipts**

Missouri Department of Natural Resources

August 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7 Inspection ☐ Condenser Temperature ☐	8
9	10	11	12	13	14 Inspection ☐ Condenser Temperature ☐	15
16	17	18	19	20	21 Inspection ☐ Condenser Temperature ☐	22
23	24	25	26	27	28 Advanced Leak Detection ☐ Condenser Temperature ☐	29
30	31					

Aug. 14 - Small quantity generator: due date for annual summary report.

Notes:

**If mailed, must be postmarked by the due date.

Missouri Department of Natural Resources

September 2020

Weekly Inspection

Are the following items leaking? Staff Initials	Sept 4, 2020 _____	Sept 11, 2020 _____	Sept 18, 2020 _____	Sept 25, 2020 _____		Date Parts Ordered	Date Parts Received	Date Repaired*	Description of Repair*
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N					
Door gasket and seal	Y N	Y N	Y N	Y N					
Pump	Y N	Y N	Y N	Y N					
Solvent tanks and containers	Y N	Y N	Y N	Y N					
Water separator	Y N	Y N	Y N	Y N					
Muck cooker	Y N	Y N	Y N	Y N					
Still	Y N	Y N	Y N	Y N					
Exhaust damper	Y N	Y N	Y N	Y N					
Diverter valve	Y N	Y N	Y N	Y N					
Filter gasket and seal	Y N	Y N	Y N	Y N					
Cartridge filter housing	Y N	Y N	Y N	Y N					
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N					
Evaporator / Mister	Y N	Y N	Y N	Y N					
Method of Inspection (**S** = Feel, Sight or Smell: **D** = Detector)	S D	S D	S D	S D					
Carbon Adsorber – Perc Less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N					

Refrigerated Condenser Temperature

Date	Temperature
Sep 4, 2020	
Sep 11, 2020	
Sep 18, 2020	
Sep 25, 2020	

If temperature is above 45° F (7.2°C), document what is done to correct the problem.

Perc Consumption Running Total

12-month total from last month =	
Subtract perc purchased September 2019 =	
Subtotal =	

This month's perc purchases*

Purchase Date	Gallons

September perc total =	
Current 12-month running total (Subtotal + September total) =	

***Keep Receipts**

Missouri Department of Natural Resources

September 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4 Inspection ☐ Condenser Temperature ☐	5
6	7	8	9	10	11 Inspection ☐ Condenser Temperature ☐	12
13	14	15	16	17	18 Inspection ☐ Condenser Temperature ☐	19
20	21	22	23	24	25 Advanced Leak Detection ☐ Condenser Temperature ☐	26
27	28	29	30			

Notes:

Missouri Department of Natural Resources

October 2020

Weekly Inspection

Are the following items leaking? Staff Initials	Oct 2, 2020 _____	Oct 9, 2020 _____	Oct 16, 2020 _____	Oct 23, 2020 _____	Oct 30, 2020 _____	Date Parts Ordered	Date Parts Received	Date Repaired*	Description of Repair*
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N	Y N				
Door gasket and seal	Y N	Y N	Y N	Y N	Y N				
Pump	Y N	Y N	Y N	Y N	Y N				
Solvent tanks and containers	Y N	Y N	Y N	Y N	Y N				
Water separator	Y N	Y N	Y N	Y N	Y N				
Muck cooker	Y N	Y N	Y N	Y N	Y N				
Still	Y N	Y N	Y N	Y N	Y N				
Exhaust damper	Y N	Y N	Y N	Y N	Y N				
Diverter valve	Y N	Y N	Y N	Y N	Y N				
Filter gasket and seal	Y N	Y N	Y N	Y N	Y N				
Cartridge filter housing	Y N	Y N	Y N	Y N	Y N				
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N	Y N				
Evaporator / Mister	Y N	Y N	Y N	Y N	Y N				
Method of Inspection (**S** = Feel, Sight or Smell: **D** = Detector)	S D	S D	S D	S D	S D				
Carbon Adsorber – Perc Less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N	Y N				

Refrigerated Condenser Temperature

Date	Temperature
Oct 2, 2020	
Oct 9, 2020	
Oct 16, 2020	
Oct 23, 2020	
Oct 30, 2020	

If temperature is above 45° F (7.2°C), document what is done to correct the problem.

Perc Consumption Running Total

12-month total from last month =	
Subtract perc purchased October 2019 =	
Subtotal =	

This month's perc purchases*

Purchase Date	Gallons

October perc total =	
Current 12-month running total (Subtotal + October total) =	

***Keep Receipts**

Missouri Department of Natural Resources

October 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 Date for compliance reports for air program's Part 70 compliance report. (Most dry cleaners are not Part 70 sources.)	2 Inspection ☐ Condenser Temperature ☐	3
4	5	6	7	8	9 Inspection ☐ Condenser Temperature ☐	10
11	12	13	14	15	16 Inspection ☐ Condenser Temperature ☐	17
18	19	20	21	22	23 Inspection ☐ Condenser Temperature ☐	24
25	26	27	28	29	30 Advanced Leak Detection ☐ Condenser Temperature ☐	31

Notes:

Missouri Department of Natural Resources

November 2020

Weekly Inspection

Are the following items leaking? Staff Initials	**Nov 6, 2020** _____	**Nov 13, 2020** _____	**Nov 20, 2020** _____	**Nov 27, 2020** _____		**Date Parts Ordered**	**Date Parts Received**	**Date Repaired**	**Description of Repair***
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N					
Door gasket and seal	Y N	Y N	Y N	Y N					
Pump	Y N	Y N	Y N	Y N					
Solvent tanks and containers	Y N	Y N	Y N	Y N					
Water separator	Y N	Y N	Y N	Y N					
Muck cooker	Y N	Y N	Y N	Y N					
Still	Y N	Y N	Y N	Y N					
Exhaust damper	Y N	Y N	Y N	Y N					
Diverter valve	Y N	Y N	Y N	Y N					
Filter gasket and seal	Y N	Y N	Y N	Y N					
Cartridge filter housing	Y N	Y N	Y N	Y N					
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N					
Evaporator / Mister	Y N	Y N	Y N	Y N					
Method of Inspection (**S** = Feel, Sight or Smell: **D** = Detector)	S D	S D	S D	S D					
Carbon Adsorber – Perc Less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N					

Refrigerated Condenser Temperature

Date	**Temperature**
Nov 6, 2020	
Nov 13, 2020	
Nov 20, 2020	
Nov 27, 2020	

If temperature is above 45° F (7.2°C), document what is done to correct the problem.

Perc Consumption Running Total

12-month total from last month =	
Subtract perc purchased November 2019 =	
Subtotal =	

This month's perc purchases*

Purchase Date	Gallons

November perc total =	
Current 12-month running total (Subtotal + November total) =	

***Keep Receipts**

Missouri Department of Natural Resources

November 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6 Inspection ☐ Condenser Temperature ☐	7
8	9	10	11	12	13 Inspection ☐ Condenser Temperature ☐	14
15	16	17	18	19	20 Inspection ☐ Condenser Temperature ☐	21
22	23	24	25	26	27 Advanced Leak Detection ☐ Condenser Temperature ☐	28
29	30					

Notes:

**If mailed, must be postmarked by the due date.

Missouri Department of Natural Resources

December 2020

Weekly Inspection

Are the following items leaking? Staff Initials	Dec 4, 2020 _____	Dec 11, 2020 _____	Dec 18, 2020 _____	Dec 25, 2020 _____		Date Parts Ordered	Date Parts Received	Date Repaired	Description of Repair*
Hose and pipe connections, fittings, couplings and valves	Y N	Y N	Y N	Y N					
Door gasket and seal	Y N	Y N	Y N	Y N					
Pump	Y N	Y N	Y N	Y N					
Solvent tanks and containers	Y N	Y N	Y N	Y N					
Water separator	Y N	Y N	Y N	Y N					
Muck cooker	Y N	Y N	Y N	Y N					
Still	Y N	Y N	Y N	Y N					
Exhaust damper	Y N	Y N	Y N	Y N					
Diverter valve	Y N	Y N	Y N	Y N					
Filter gasket and seal	Y N	Y N	Y N	Y N					
Cartridge filter housing	Y N	Y N	Y N	Y N					
If gauges present - high/low pressure within range	Y N	Y N	Y N	Y N					
Evaporator / Mister	Y N	Y N	Y N	Y N					
Method of Inspection (**S** = Feel, Sight or Smell: **D** = Detector)	S D	S D	S D	S D					
Carbon Adsorber – Perc Less than 100 PPMV (as needed)	Y N	Y N	Y N	Y N					

Refrigerated Condenser Temperature

Date	Temperature
Dec 4, 2020	
Dec 11, 2020	
Dec 18, 2020	
Dec 25, 2020	

If temperature is above 45° F (7.2°C), document what is done to correct the problem.

Perc Consumption Running Total

12-month total from last month =	
Subtract perc purchased December 2019 =	
Subtotal =	

This month's perc purchases*

Purchase Date	Gallons

December perc total =	
Current 12-month running total (Subtotal + December total) =	

***Keep Receipts**

Missouri Department of Natural Resources

December 2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4 Inspection ☐ Condenser Temperature ☐	5
6	7	8	9	10	11 Inspection ☐ Condenser Temperature ☐	12
13	14	15	16	17	18 Inspection ☐ Condenser Temperature ☐	19
20	21	22	23	24	25 Advanced Leak Detection ☐ Condenser Temperature ☐	26
27	28	29	30	31 ERP registration renewals and fees due.**		

Notes:

** Must be postmarked by this date to avoid a late fee.

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Perc Cleaners Pollution Prevention Guidelines

- Close machine doors immediately after transferring articles to or from the machines.
- Keep machine doors closed between transfers.
- Follow the manufacturer's instructions for operating and maintaining machines and equipment.
- Drain cartridge filters in a closed container for at least 24 hours before disposing.
- Store all perc and wastes in sealed containers that do not leak.
- Inspect all dry cleaning equipment at least bi-weekly for any leaks that are obvious by sight, smell or touch. Leaks include instances where drops of perc are visible on the outside of a machine or where air can be felt coming from a machine. (Large area sources and major sources must be inspected weekly!) Dry cleaning equipment includes hoses, pipes, fittings, couplings, valves, gaskets, seals, pumps, solvent tanks and containers, water separators, muck cookers, stills, diverter valves and cartridge filter housings.
- Repair any leaks within 24 hours or, if repair parts must be ordered, within five days of receiving the parts. Order parts within two working days of finding the leak.
- Keep copies of design specifications and operating manuals for each dry cleaning machine.
- All new perc dry cleaners, commencing construction or reconstruction after Dec. 21, 2005, must add carbon adsorbers to non-vented, dry-to-dry machines with refrigerated condensers, according to federal rules.
- For more information, see the Dry Cleaners and The Clean Air Act fact sheet – PUB2201 on the department's website at https://dnr.mo.gov/pubs/pub2201.htm

MISSOURI
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Print your 2020 Dry Cleaning Compliance Calendar.

Download a free copy at dnr.mo.gov/pubs/pub1310.pdf.

(The Missouri Department of Natural Resources anticipates having the 2021 calendar available for download by 12/31/2020.)

For answers to questions, please contact:

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Air Pollution Control Program
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800-361-4827
573-751-4817