ANNUAL INVENTORY SHEET - SOLVENT MANAGEMENT PLAN - SINGLE MACHINE

Site: MEBRO DRY CLEANERS **Year: 07/08**

Month and Year	Monthly weight of work processed	Monthly weight of solvent used	Monthly solvent emitted per kg of work processed	Estimated still residue
	a	b	l = b × 1000 ÷ a	(Use this to check the total for each method of still cleaning against your waste collection notes, adjust the final months figure as necessary to correspond)
	(kg)	(kg)	(g/kg)	(litres)
OCT 2007	1000	15.60	15.60	15.0
NOV 2007	779	11.52	14.79	12.0
DEC 2007	770	14.72	19.12	12.0
JAN 2008	890	15.60	17.52	15.0
FEB 2008	810	13.12	16.21	12.0
MAR 2008	932	18.80	20.17	15.0
APR 2008	872	16.32	18.71	12.0
MAY 2008	883	13.12	14.86	12.0
JUNE 2008	960	16.32	17.00	12.0
JULY 2008	700	12.24	17.48	9.0
AUGUST 2008	0	0.00		
SEPT 2008	0	0.00		
Annual totals	8596	147.36		126.0
	n	= Total b		

Annual Spot Cleaning Correction Factor (see Note 2):	Total annual weight of solvent used		Annual total of solvent emitted per kg of work processed
m	p = Total b + m		q = p × 1000 ÷ n
(kg)	(kg)		(g/kg)
	147.36	Annual result	17.14

Weight of work required to comply with regulations (kg):	7368	Complies with Regulations?	YES

1. Refer to written explanation of regulations for more details.
2. If solvent borne spot cleaners are used, enter either 10kg in the 'Annual Spot Cleaning Factor' or the total weight of the solvent content used, as advised by your Supplier.
3. The centre column provides the weight of solvent in grams emitted per kg of work processed (g/kg), this is needed to satisfy the legal requirement.

MONTHLY INVENTORY SHEET

Site: **MEBRO DRY CLEANERS** **Month and year:** **OCT 2007**

Machine: ***MITO 22***

Week ending / Week No.

06/10/2007	13/10/2007	20/10/2007	27/10/2007	03/11/2007

Weight of work processed (kg)

					Monthly Total Weight (kg)
					a
198.5	177.8	209.2	234.2	180.5	1000.2

Solvent used (litres)

					Monthly Total (litres)
					c
2	3	4	3	0	12

Estimated still residue for month (litres)

d	15

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor	Total	Allowance
		e	**d**	**f** = e × d
Manual rake out	m	0.15	15	2.25
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**9.75**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent	**Weight of work / litre of solvent**	Solvent emitted (should be 20g/kg or less)	**Weight of solvent used**
		(g/l)	(kg / l)	g / kg	(kg)
		h	**j** = a ÷ g	**k** = h ÷ j	**b** = g × (h ÷ 1000)
Perc	P	1600	**102.58**	**15.60**	**15.60**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site: MEBRO DRY CLEANERS **Month and year:** NOV 2007

Machine: *MITO 22*

Week ending / Week No.

10/11/2007	17/11/2007	24/11/2007	01/12/2007	

Weight of work processed (kg)

243.4	186.1	151.1	198.1		Monthly Total Weight (kg) **a** 778.7

Solvent used (litres)

3	2	2	2		Monthly Total (litres) **c** 9

Estimated still residue for month (litres)

d	12

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor **e**	Total **d**	Allowance **f** = e × d
Manual rake out	m	0.15	12	1.8
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	7.2

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent (g/l) **h**	**Weight of work / litre of solvent** (kg / l) **j** = a ÷ g	Solvent emitted (should be 20g/kg or less) g / kg **k** = h ÷ j	**Weight of solvent used** (kg) **b** = g × (h ÷ 1000)
Perc	P	1600	**108.15**	**14.79**	**11.52**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site: MEBRO DRY CLEANERS **Month and year:** DEC 2007

Machine: *MITO 22*

Week ending / Week No.

08/12/2007	15/12/2007	22/12/2007	29/12/2007	

Weight of work processed (kg)

229.5	171.6	240.8	127.8		Monthly Total Weight (kg) **a** 769.7

Solvent used (litres)

3	3	3	2		Monthly Total (litres) **c** 11

Estimated still residue for month (litres)

d	12

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor **e**	Total **d**	Allowance **f** = e × d
Manual rake out	m	0.15	12	1.8
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**9.2**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent	**Weight of work / litre of solvent**	Solvent emitted (should be 20g/kg or less)	**Weight of solvent used**
		(g/l)	(kg / l)	g / kg	(kg)
		h	**j** = a ÷ g	**k** = h ÷ j	**b** = g × (h ÷ 1000)
Perc	P	1600	**83.66**	**19.12**	**14.72**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site: **MEBRO DRY CLEANERS** **Month and year:** **JAN 2008**

Machine: ***MITO 22***

Week ending / Week No.

05/01/2008	12/01/2008	19/01/2008	26/01/2008	02/02/2008

Weight of work processed (kg)

					Monthly Total Weight (kg)
					a
171.1	209.9	163.8	185.6	159.8	890.2

Solvent used (litres)

					Monthly Total (litres)
					c
2	3	2	2.5	2.5	12

Estimated still residue for month (litres)

d	15

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor	Total	Allowance
		e	**d**	**f** = e × d
Manual rake out	m	0.15	15	2.25
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**9.75**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent	**Weight of work / litre of solvent**	Solvent emitted (should be 20g/kg or less)	**Weight of solvent used**
		(g/l)	(kg / l)	g / kg	(kg)
		h	**j** = a ÷ g	**k** = h ÷ j	**b** = g × (h ÷ 1000)
Perc	P	1600	**91.30**	**17.52**	**15.60**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site: MEBRO DRY CLEANERS **Month and year:** FEB 2008

Machine: *MITO 22*

Week ending / Week No.

09/02/2008	16/02/2008	23/02/2008	01/03/2008	

Weight of work processed (kg)

					Monthly Total Weight (kg)
					a
173	222.6	191.4	222.6		809.6

Solvent used (litres)

					Monthly Total (litres)
					c
2	2.5	2.5	3		10

Estimated still residue for month (litres)

d	12

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor	Total	Allowance
		e	**d**	**f** = e × d
Manual rake out	m	0.15	12	1.8
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**8.2**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent	**Weight of work / litre of solvent**	Solvent emitted (should be 20g/kg or less)	**Weight of solvent used**
		(g/l)	(kg / l)	g / kg	(kg)
		h	**j** = a ÷ g	**k** = h ÷ j	**b** = g × (h ÷ 1000)
Perc	P	1600	**98.73**	**16.21**	**13.12**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site: MEBRO DRY CLEANERS **Month and year:** MAR 2008

Machine: *MITO 22*

Week ending / Week No.

08/03/2008	15/03/2008	22/03/2008	29/03/2008	05/04/2008

Weight of work processed (kg)

171.7	155.2	181	173	251.1	Monthly Total Weight (kg) **a** 932

Solvent used (litres)

2.5	1.5	2	7	1	Monthly Total (litres) **c** 14

Estimated still residue for month (litres)

d	15

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor **e**	Total **d**	Allowance **f** = e × d
Manual rake out	m	0.15	15	2.25
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**11.75**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent (g/l) **h**	**Weight of work / litre of solvent** (kg / l) **j** = a ÷ g	Solvent emitted (should be 20g/kg or less) g / kg **k** = h ÷ j	**Weight of solvent used** (kg) **b** = g × (h ÷ 1000)
Perc	P	1600	**79.32**	**20.17**	**18.80**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **PROBLEM**

MONTHLY INVENTORY SHEET

Site: MEBRO DRY CLEANERS **Month and year:** APR 2008

Machine: *MITO 22*

Week ending / Week No.

12/04/2008	19/04/2008	26/04/2008	03/05/2008	

Weight of work processed (kg)

					Monthly Total Weight (kg)
					a
184.3	261.2	190	236.6		872.1

Solvent used (litres)

					Monthly Total (litres)
					c
2	4	2	4		12

Estimated still residue for month (litres)

d	12

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor **e**	Total **d**	Allowance **f** = e × d
Manual rake out	m	0.15	12	1.8
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**10.2**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent (g/l) **h**	**Weight of work / litre of solvent** (kg / l) **j** = a ÷ g	Solvent emitted (should be 20g/kg or less) g / kg **k** = h ÷ j	**Weight of solvent used** (kg) **b** = g × (h ÷ 1000)
Perc	P	1600	**85.50**	**18.71**	**16.32**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site: **MEBRO DRY CLEANERS** **Month and year:** **MAY 2008**

Machine: ***MITO 22***

Week ending / Week No.

10/05/2008	17/05/2008	24/05/2008	31/05/2008	

Weight of work processed (kg)

206.6	227.2	240.6	208.8		Monthly Total Weight (kg) **a** 883.2

Solvent used (litres)

2	3	3	2		Monthly Total (litres) **c** 10

Estimated still residue for month (litres)

d	12

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor **e**	Total **d**	Allowance **f** = e × d
Manual rake out	m	0.15	12	1.8
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**8.2**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent (g/l) **h**	**Weight of work / litre of solvent** (kg / l) **j** = a ÷ g	Solvent emitted (should be 20g/kg or less) g / kg **k** = h ÷ j	**Weight of solvent used** (kg) **b** = g × (h ÷ 1000)
Perc	P	1600	**107.71**	**14.86**	**13.12**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site: **MEBRO DRY CLEANERS** **Month and year:** **JUNE 2008**

Machine: ***MITO 22***

Week ending / Week No.

07/06/2008	14/06/2008	21/06/2008	28/06/2008	

Weight of work processed (kg)

242.8	245.5	229.7	242		Monthly Total Weight (kg) **a** 960

Solvent used (litres)

3	3	3	3		Monthly Total (litres) **c** 12

Estimated still residue for month (litres)

d	12

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor **e**	Total **d**	Allowance **f** = e × d
Manual rake out	m	0.15	12	1.8
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**10.2**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent (g/l) **h**	**Weight of work / litre of solvent** (kg / l) **j** = a ÷ g	Solvent emitted (should be 20g/kg or less) g / kg **k** = h ÷ j	**Weight of solvent used** (kg) **b** = g × (h ÷ 1000)
Perc	P	1600	**94.12**	**17.00**	**16.32**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site: MEBRO DRY CLEANERS **Month and year:** JULY 2008

Machine: *MITO 22*

Week ending / Week No.

05/07/2008	12/07/2008	19/07/2008		

Weight of work processed (kg)

					Monthly Total Weight (kg)
					a
233.9	239.8	226.5			700.2

Solvent used (litres)

					Monthly Total (litres)
					c
3	3	3			9

Estimated still residue for month (litres)

d	9

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor	Total	Allowance
		e	**d**	**f** = e × d
Manual rake out	m	0.15	9	1.35
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**7.65**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent	**Weight of work / litre of solvent**	Solvent emitted (should be 20g/kg or less)	**Weight of solvent used**
		(g/l)	(kg / l)	g / kg	(kg)
		h	**j** = a ÷ g	**k** = h ÷ j	**b** = g × (h ÷ 1000)
Perc	P	1600	**91.53**	**17.48**	**12.24**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site: MEBRO DRY CLEANERS **Month and year:** AUGUST 2008

Machine: *MITO 22*

Week ending / Week No.

Weight of work processed (kg)

					Monthly Total Weight (kg)
					a
					0

Solvent used (litres)

					Monthly Total (litres)
					c
					0

Estimated still residue for month (litres)

d	

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor **e**	Total **d**	Allowance **f** = e × d
Manual rake out	m	0.15	0	0
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**0**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent	**Weight of work / litre of solvent**	Solvent emitted (should be 20g/kg or less)	**Weight of solvent used**
		(g/l)	(kg / l)	g / kg	(kg)
		h	**j** = a ÷ g	**k** = h ÷ j	**b** = g × (h ÷ 1000)
Perc	P	1600			
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site: MEBRO DRY CLEANERS **Month and year:** SEPT 2008

Machine: *MITO 22*

Week ending / Week No.

Weight of work processed (kg)

					Monthly Total Weight (kg)
					a
					0

Solvent used (litres)

					Monthly Total (litres)
					c
					0

Estimated still residue for month (litres)

d	

Note: Estimate the amount of residue collected so that a draft solvent usage figure can be obtained. You will need to adjust this figure from time to time so that the total for the year corresponds to your waste collection transfer notes.

Still type / Allowance factor

Method of still cleaning		Waste Allowance Factor	Total	Allowance
		e	**d**	**f** = e × d
Manual rake out	m	0.15	0	0
Pumped out		0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**0**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent	**Weight of work / litre of solvent**	Solvent emitted (should be 20g/kg or less)	**Weight of solvent used**
		(g/l)	(kg / l)	g / kg	(kg)
		h	**j** = a ÷ g	**k** = h ÷ j	**b** = g × (h ÷ 1000)
Perc	P	1600			
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**