ANNUAL INVENTORY SHEET - SOLVENT MANAGEMENT PLAN - SINGLE MACHINE

Site: **Year: 09/10**

Month and Year	Monthly weight of work processed	Monthly weight of solvent used	Monthly solvent emitted per kg of work processed	Estimated still residue
				(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)
	a	b	l = b × 1000 ÷ a	
	(kg)	(kg)	(g/kg)	(litres)
May '09	320	0.00		13.0
June '09	443	11.52	26.00	13.0
July '09	405	0.00		13.0
August '09	602	11.52	19.15	13.0
September '09	302	0.00		13.0
October '09	303	3.52	11.62	13.0
November '09	555	11.52	20.76	13.0
December '09	229	0.00		13.0
January '10	239	3.52	14.76	13.0
February '10	247	3.52	14.28	13.0
March '10	579	11.52	19.90	13.0
April '10	281	3.52	12.53	13.0
Annual totals	4503	60.16		156.0
	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		q
	= Total b + m		= p × 1000 ÷ n
(kg)	(kg)		(g/kg)
10	70.16	**Annual result**	**15.58**

Weight of work required to comply with regulations (kg):	3508	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:

Machine:

Month and year: **May '09**

Week ending / Week No.

4th	11th	18th	25th	

Weight of work processed (kg)

78	70	82	90		Monthly Total Weight (kg) **a**
					320

Solvent used (litres)

					Monthly Total (litres) **c**
					0

Estimated still residue for month (litres)

d	13

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		0.15	0	0
Pumped out	x	0.6	13	7.8

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

Solvent emission calculation

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

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site:

Machine:

Month and year: **July '09**

Week ending / Week No.

6th	13th	20th	27th	

Weight of work processed (kg)

84	108	110	103		Monthly Total Weight (kg) **a**
					405

Solvent used (litres)

					Monthly Total (litres) **c**
					0

Estimated still residue for month (litres)

d	13

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		0.15	0	0
Pumped out	x	0.6	13	7.8

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

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	x	1600			
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site:

Machine:

Month and year: **August '09**

Week ending / Week No.

3rd	10th	17th	24th	31st

Weight of work processed (kg)

125	118.5	124	119	115	Monthly Total Weight (kg) **a** 601.5

Solvent used (litres)

10		5			Monthly Total (litres) **c** 15

Estimated still residue for month (litres)

d	13

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		0.15	0	0
Pumped out	x	0.6	13	7.8

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	x	1600	**83.54**	**19.15**	**11.52**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site:

Machine:

Month and year: **September '09**

Week ending / Week No.

7th	14th	21st	28th	

Weight of work processed (kg)

61	90	77	73.5		Monthly Total Weight (kg) **a** 301.5

Solvent used (litres)

					Monthly Total (litres) **c** 0

Estimated still residue for month (litres)

d	13

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		0.15	0	0
Pumped out	x	0.6	13	7.8

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

Solvent emission calculation

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

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site:

Machine:

Month and year: **October '09**

Week ending / Week No.

5th	12th	19th	26th	

Weight of work processed (kg)

92	56	82	73		Monthly Total Weight (kg) **a** = 303

Solvent used (litres)

10					Monthly Total (litres) **c** = 10

Estimated still residue for month (litres)

d	13

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		0.15	0	0
Pumped out	x	0.6	13	7.8

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**2.2**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent **h** (g/l)	**Weight of work / litre of solvent** **j** = a ÷ g (kg / l)	Solvent emitted (should be 20g/kg or less) **k** = h ÷ j g / kg	**Weight of solvent used** **b** = g × (h ÷ 1000) (kg)
Perc	x	1600	**137.73**	**11.62**	**3.52**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site:

Machine:

Month and year: **November '09**

Week ending / Week No.

2nd	9th	16th	23rd	30th

Weight of work processed (kg)

125	105	103	107	115	Monthly Total Weight (kg) **a** 555

Solvent used (litres)

	15				Monthly Total (litres) **c** 15

Estimated still residue for month (litres)

d	13

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		0.15	0	0
Pumped out	x	0.6	13	7.8

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	x	1600	**77.08**	**20.76**	**11.52**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **PROBLEM**

MONTHLY INVENTORY SHEET

Site:

Machine:

Month and year: **December '09**

Week ending / Week No.

7th	14th	21st	28th	

Weight of work processed (kg)

68.5	89	34	37.5		Monthly Total Weight (kg) **a** 229

Solvent used (litres)

					Monthly Total (litres) **c** 0

Estimated still residue for month (litres)

d	13

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		0.15	0	0
Pumped out	x	0.6	13	7.8

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

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	x	1600			
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site:

Machine:

Month and year: **January '10**

Week ending / Week No.

4th	11th	18th	25th	

Weight of work processed (kg)

46	48	84.5	60		Monthly Total Weight (kg) **a**
					238.5

Solvent used (litres)

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

Estimated still residue for month (litres)

d	13

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		0.15	0	0
Pumped out	x	0.6	13	7.8

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**2.2**

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	x	1600	**108.41**	**14.76**	**3.52**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site: [redacted]

Machine:

Month and year: **February '10**

Week ending / Week No.

1st	8th	15th	22nd	

Weight of work processed (kg)

					Monthly Total Weight (kg)
					a
67	52.5	70	57		246.5

Solvent used (litres)

					Monthly Total (litres)
					c
	10				10

Estimated still residue for month (litres)

d	13

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		0.15	0	0
Pumped out	x	0.6	13	7.8

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**2.2**

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	x	1600	**112.05**	**14.28**	**3.52**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site:

Machine:

Month and year: **March '10**

Week ending / Week No.

1st	7th	15th	22	29th

Weight of work processed (kg)

105	125	107	115	127	Monthly Total Weight (kg) **a** 579

Solvent used (litres)

	5		10		Monthly Total (litres) **c** 15

Estimated still residue for month (litres)

d	13

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		0.15	0	0
Pumped out	x	0.6	13	7.8

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	x	1600	**80.42**	**19.90**	**11.52**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site:

Machine:

Month and year: **April '10**

Week ending / Week No.

5th	12th	19th	26th	

Weight of work processed (kg)

81	85	40	75		Monthly Total Weight (kg) **a**
					281

Solvent used (litres)

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

Estimated still residue for month (litres)

d	13

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		0.15	0	0
Pumped out	x	0.6	13	7.8

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**2.2**

Solvent emission calculation

Type of Solvent		Factor: specific gravity of solvent **h** (g/l)	**Weight of work / litre of solvent** **j** = a ÷ g (kg / l)	Solvent emitted (should be 20g/kg or less) **k** = h ÷ j g / kg	**Weight of solvent used** **b** = g × (h ÷ 1000) (kg)
Perc	x	1600	**127.73**	**12.53**	**3.52**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**