ANNUAL INVENTORY SHEET - SOLVENT MANAGEMENT PLAN - SINGLE MACHINE

Site:

Year: May 2011 / JAN 2012

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)
May 11	586	3.52	6.01	13.0
Jun 11	291	0.00		13.0
July 11	465	0.00		13.0
Aug 11	350	0.00		13.0
Sep 11	338	0.00		13.0
Oct 11	571	0.00		13.0
Nov 11	469	3.52	7.51	13.0
Dec 11	340	0.00		13.0
Jan 12	216	8.00	37.04	
	0	0.00		
	0	0.00		
	0	0.00		
Annual totals	3626	15.04		104.0
	n	= Total b		

Annual Spot Cleaning Correction Factor (see Note 2):
m
(kg)

Total annual weight of solvent used
p
= Total b + m
(kg)
15.04

Annual total of solvent emitted per kg of work processed	
q	
= p × 1000 ÷ n	
(g/kg)	
Annual result	**4.15**

Weight of work required to comply with regulations (kg):	752

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 11**

Week ending / Week No.

1	8	15	22	29

Weight of work processed (kg)

100	134	117	70	165	Monthly Total Weight (kg) **a** 586

Solvent used (litres)

	5		5		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	**266.36**	**6.01**	**3.52**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site:

Machine:

Month and year: **Aug 11**

Week ending / Week No.

7	14	21	28	

Weight of work processed (kg)

93	89	77	91		Monthly Total Weight (kg) **a**
					350

Solvent used (litres)

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

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	**-2.8**

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: **Sep 11**

Week ending / Week No.

4	11	18	25	

Weight of work processed (kg)

93	66	98	81		Monthly Total Weight (kg) **a**
					338

Solvent used (litres)

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

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	**-2.8**

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: **Oct 11**

Week ending / Week No.

2	9	16	23	30

Weight of work processed (kg)

105	115	94	124	133	Monthly Total Weight (kg) **a** 571

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: **Nov 11**

Week ending / Week No.

6	13	20	27	

Weight of work processed (kg)

151	77	93	148		Monthly Total Weight (kg) **a** 469

Solvent used (litres)

5		5			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	**213.18**	**7.51**	**3.52**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site:

Machine:

Month and year: **Dec 11**

Week ending / Week No.

4	11	18	25	

Weight of work processed (kg)

97	100	84	59		Monthly Total Weight (kg) **a**
					340

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: **Jan 12**

Week ending / Week No.

1	8	15	22	29

Weight of work processed (kg)

22	75	119			Monthly Total Weight (kg) **a** 216

Solvent used (litres)

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

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		0.15	0	0
Pumped out	X	0.6	0	0

Nominal Monthly Solvent Use	(litres)	**g** = c - f	**5**

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	**43.20**	**37.04**	**8.00**
Siloxane		970			
Hydrocarbon		970			
Other					

Solvent Usage Check : **PROBLEM**