



Lennox Business
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14/11/2016

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Climate levy reports and Year end

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Lennox Business

ANNUAL INVENTORY SHEET - SOLVENT MANAGEMENT PLAN - SINGLE MACHINE

Site: Lennox Belstead

Year:

2015/2016

Month and Year	Monthly weight of work processed a (kg)	Monthly weight of solvent used b (kg)	Monthly solvent emitted per kg of work processed $l = b \times 1000 / a$ (g / kg)	Estimated still residue (litres)
Nov-15	1,499.30	19.21	12.81	15.00
Dec-15	1,032.60	17.85	17.29	12.00
Jan-16	1,172.50	16.92	14.43	15.00
Feb-16	1,034.00	17.83	17.24	12.00
Mar-16	1,093.00	19.21	17.58	12.00
Apr-16	1,360.60	19.57	14.38	14.00
May-16	1,574.90	19.67	12.49	16.00
Jun-16	1,342.20	19.45	14.49	12.00
Jul-16	1,162.81	16.95	14.58	12.00
Aug-16	1,332.70	19.59	14.70	12.00
Sep-16	995.40	18.52	18.61	12.00
Oct-16	1,121.40	17.58	15.68	12.00
Annual totals	14,721.41	222.35		156.00
	n	= Total b		

Annual Spot Cleaning Correction Factor (see Note 2):
m
(kg)
3.33

Total annual weight of solvent used
p
= Total b + m
(kg)
225.68

Annual total of solvent emitted per kg of work processed
q
= p x 1000 / a
(g / kg)
15.33

Weight of work required to comply with regulations (kg):
= p x 50
11,284.00

For compliance the "Annual result" should be 20 or less

- a. Refer to written explanation of regulations for more details
- b. 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.
- c. 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

Month and year: Oct-16

Site: Lennox Belstead

Machine:

Week ending/Week No:

01/10/2016	08/10/2016	15/10/2016	22/10/2016
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Weight of work processed (kg)

234.10	294.40	304.00	288.90	Monthly Total Weight (kg) a
				1,121.40

Solvent used (litres)

2.00	2.50	2.50	2.50	Monthly Total (Litres) c
				9.50

Estimated still residue for month (litres)

d	12.00
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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

		Waste Allowance factor e	d	f = e x d
Manual rake out		0.15	12.00	1.80
Pumped out		0.6		0.00

Nominal Monthly Solvent Use	(litres)	g = c - f	7.70
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Solvent emission calculation

Type of solvent	Factor: Specific gravity of solvent (g/l)	Weight of work / litre of solvent (kg / l)	Solvent emitted g / kg	Weight of solvent used (kg)
	h	j = a / g	k = h / j	b = g x (h / 1000)
Perc	1600	145.64	10.99	17.58
Siolocane	970	0.00	0.00	0.00
Hydrocarbon	970	0.00	0.00	0.00
Other		0.00	0.00	0.00

Note: To comply with the regulations the "Solvent emitted" should be 20g / kg or less

Monthly Inventory Sheet

Site: Lennox Belstead

Month and year: Sep-16

Machine:

Week ending/Week No:

03/09/2016	10/09/2016	17/09/2016	24/09/2016
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Weight of work processed (kg)				Monthly Total Weight (kg)
				a
213.30	239.70	259.40	283.00	995.40

Solvent used (litres)				Monthly Total (Litres)
				c
2.00	2.00	2.50	2.50	9.00

Estimated still residue for month (litres)				d	12.00
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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

		Waste Allowance factor	d	f = e x d
		e		
Manual rake out		0.15	12.00	1.80
Pumped out		0.6		0.00

Nominal Monthly Solvent Use	(litres)	g = c - f	7.20
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Solvent emission calculation

Type of solvent	Factor: Specific gravity of solvent	Weight of work / litre of solvent	Solvent emitted	Weight of solvent used
	(g/l)	(kg / l)	g / kg	(kg)
	h	j = a / g	k = h / j	b = g x (h / 1000)
Perc	1600	138.25	11.57	18.52
Siolocane	970	0.00	0.00	0.00
Hydrocarbon	970	0.00	0.00	0.00
Other		0.00	0.00	0.00

Note: To comply with the regulations the "Solvent emitted" should be 20g / kg or less

Monthly Inventory Sheet

Month and year: Aug-16

Site: Lennox Belstead

Machine:

Week ending/Week No:

30/07/2016	06/08/2016	13/08/2016	20/08/2016	27/08/2016
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Weight of work processed (kg)

213.60	327.60	244.00	257.50	290.00	Monthly Total Weight (kg) a 1,332.70
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Solvent used (litres)

2.00	2.50	2.50	2.50	2.50	Monthly Total (Litres) c 12.00
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Estimated still residue for month (litres)

d	12.00
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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

		Waste Allowance factor	d	f = e x d
		e		
Manual rake out		0.15	12.00	1.80
Pumped out		0.6		0.00

Nominal Monthly Solvent Use	(litres)	g = c - f	10.20
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Solvent emission calculation

Type of solvent	Factor: Specific gravity of solvent	Weight of work / litre of solvent	Solvent emitted	Weight of solvent used
	(g/l)	(kg / l)	g / kg	(kg)
	h	j = a / g	k = h / j	b = g x (h / 1000)
Perc	1600	130.66	12.25	19.59
Siolocane	970	0.00	0.00	0.00
Hydrocarbon	970	0.00	0.00	0.00
Other		0.00	0.00	0.00

Note: To comply with the regulations the "Solvent emitted" should be 20g / kg or less

Monthly Inventory Sheet

Month and year: Jul-16

Site: Lennox Belstead

Machine:

Week ending/Week No:

02/07/2016	09/07/2016	16/07/2016	23/07/2016
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Weight of work processed (kg)

				Monthly Total Weight (kg)
				a
314.90	307.20	273.01	267.70	1,162.81

Solvent used (litres)

				Monthly Total (Litres)
				c
2.50	2.50	2.50	2.00	9.50

Estimated still residue for month (litres)

d	12.00
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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

		Waste Allowance factor		
		e	d	f = e x d
Manual rake out		0.15	12.00	1.80
Pumped out		0.6		0.00

Nominal Monthly Solvent Use	(litres)	g = c - f	7.70
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Solvent emission calculation

Type of solvent	Factor: Specific gravity of solvent	Weight of work / litre of solvent	Solvent emitted	Weight of solvent used
	(g/l)	(kg / l)	g / kg	(kg)
	h	j = a / g	k = h / j	b = g x (h / 1000)
Perc	1600	151.01	10.60	16.95
Siolocane	970	0.00	0.00	0.00
Hydrocarbon	970	0.00	0.00	0.00
Other		0.00	0.00	0.00

Note: To comply with the regulations the "Solvent emitted" should be 20g / kg or less

Monthly Inventory Sheet

Site: Lennox Belstead

Month and year: Jun-16

Machine:

Week ending/Week No:

04/06/2016	11/06/2016	18/06/2016	25/06/2016
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Weight of work processed (kg)				Monthly Total Weight (kg)
				a
349.00	324.90	331.40	336.90	1,342.20

Solvent used (litres)				Monthly Total (Litres)
				c
3.00	3.00	3.00	3.00	12.00

Estimated still residue for month (litres)	d	12.00
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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

		Waste Allowance factor	d	f = e x d
		e		
Manual rake out		0.15	12.00	1.80
Pumped out		0.6		0.00

Nominal Monthly Solvent Use	(litres)	g = c - f	10.20
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Solvent emission calculation

Type of solvent	Factor: Specific gravity of solvent	Weight of work / litre of solvent	Solvent emitted	Weight of solvent used
	(g/l)	(kg / l)	g / kg	(kg)
	h	j = a / g	k = h / j	b = g x (h / 1000)
Perc	1600	131.59	12.16	19.45
Siolocane	970	0.00	0.00	0.00
Hydrocarbon	970	0.00	0.00	0.00
Other		0.00	0.00	0.00

Note: To comply with the regulations the "Solvent emitted" should be 20g / kg or less