

ANNUAL INVENTORY SHEET - SOLVENT MANAGEMENT PLAN - SINGLE MACHINE

Site: _____

Year: *05/09*.

| 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 (kg) | b (kg) | l $= b \times 1000 \div a$ (g/kg) | |
| Aug 08 | 384 | 0.00 | | 18.0 |
| Sep 08 | 415 | 16.32 | 39.33 | 18.0 |
| Oct 08 | 367 | 11.52 | 31.39 | 18.0 |
| Nov 08 | 386 | 0.00 | | 18.0 |
| Dec 08 | 337 | 0.00 | | 18.0 |
| Jan 09 | 333 | 0.00 | | 18.0 |
| Feb 09 | 255 | 0.00 | | 18.0 |
| Mar 09 | 458 | 0.00 | | 18.0 |
| Apr 09 | 377 | 0.00 | | 18.0 |
| May 09 | 313 | 0.00 | | 18.0 |
| Jun 09 | 345 | 14.72 | 42.67 | 18.0 |
| July 09 | 395 | 0.00 | | 18.0 |
| Annual totals | 4365 | 42.56 | | 216.0 |
| | 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 |
| (kg) | | $= \text{Total b} + m$ | $= p \times 1000 \div n$ |
| | | 42.56 | 9.75 |
| | | | (g/kg) |
| Weight of work required to comply with regulations (kg): | 2128 | | |
| | | 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: Mito _____ Month and year: Aug 08

Week ending / Week No.

| | | | |
|----|----|----|----|
| 10 | 17 | 24 | 31 |
|----|----|----|----|

Weight of work processed (kg)

| | | | | | | |
|---------------|-------------|----|-----|----|----|-----|
| Monthly Total | Weight (kg) | 83 | 144 | 65 | 92 | 384 |
| a | | | | | | |

Solvent used (litres)

| | | | | | |
|---------------|----------|----------|---|--|--|
| Monthly Total | (litres) | c | 6 | | |
| | | | | | |

Estimated still residue for month (litres)

| | |
|----------|----|
| d | 18 |
|----------|----|

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 | e | d | f |
| Waste Allowance Factor | Total | Allowance | |
| Manual rake out | 0.15 | 0 | 0 |
| Pumped out | 0.6 | 18 | 10.8 |

Solvent emission calculation

| | | | |
|-----------------------------|----------|------------------|------|
| Nominal Monthly Solvent Use | (litres) | g = c - f | -4.8 |
|-----------------------------|----------|------------------|------|

| | | | | | | | | | | | | | | |
|---|----------|--|----------|--|----------|-----------------------------|----------|-----------------|----------|---|------|--|--|-------|
| Factor: specific gravity of solvent (g/l) | h | Weight of work / litre of solvent (kg/l) | j | Solvent emitted (should be 20g/kg or less) | k | Weight of solvent used (kg) | b | Type of Solvent | Perc | X | 1600 | | | |
| | | | | | | | | | Siloxane | | 970 | | | |
| | | | | | | | | | | | 970 | | | |
| | | | | | | | | | | | 970 | | | |
| | | | | | | | | | | | | | | Other |

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site: _____ Machine: _____ Mito _____
 Month and year: _____ Sep 08

Week ending / Week No.

| | | | |
|---|----|----|----|
| 7 | 14 | 21 | 28 |
|---|----|----|----|

Weight of work processed (kg)

| | | | | | |
|---------------|----------|-----|-----|-----|-----|
| Monthly Total | 80 | 101 | 115 | 119 | 415 |
| Weight (kg) | a | | | | |

Solvent used (litres)

| | | | | |
|---------------|----------|---|---|----|
| Monthly Total | 3 | 9 | 9 | 21 |
| (litres) | c | | | |

Estimated still residue for month (litres)

| | |
|----------|----|
| d | 18 |
|----------|----|

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 | e | d | f |
| Manual rake out | 0.15 | 0 | 0 |
| Pumped out | X | 0.6 | 10.8 |
| Waste Allowance Factor | Total | Allowance | |

Solvent emission calculation

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

| | | | | | | | | |
|-----------------|---|----------|--|----------|---|----------|-----------------------------|----------|
| Type of Solvent | Factor: specific gravity of solvent (g/l) | h | Weight of work / litre of solvent (kg/l) | j | Solvent emitted (should be 20g/kg or less) g / kg | k | Weight of solvent used (kg) | b |
| | | | | | | | | |
| Perc | X | 1600 | 40.69 | 39.33 | 16.32 | | | |
| Siloxane | | 970 | | | | | | |
| Hydrocarbon | | 970 | | | | | | |
| Other | | | | | | | | |

Solvent Usage Check : PROBLEM

MONTHLY INVENTORY SHEET

Site:

Mito

Machine:

Month and year:

Nov 08

Week ending / Week No.

| | | | | |
|---|---|----|----|-----|
| 2 | 9 | 16 | 23 | 103 |
|---|---|----|----|-----|

Weight of work processed (kg)

| | | | | | | | | |
|---------------|-------------|----------|-----|---|-----|-----|----|-----|
| Monthly Total | Weight (kg) | a | 101 | 4 | 113 | 107 | 61 | 386 |
|---------------|-------------|----------|-----|---|-----|-----|----|-----|

Solvent used (litres)

| | | | |
|---------------|----------|---|---|
| Monthly Total | c | 5 | 5 |
|---------------|----------|---|---|

Estimated still residue for month (litres)

| | |
|----------|----|
| d | 18 |
|----------|----|

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 |
| | Manual rake out | 0 | 0 |
| Pumped out | X | 0.6 | 10.8 |

Solvent emission calculation

| | | | |
|-----------------------------|----------|-------------|------|
| Nominal Monthly Solvent Use | (litres) | $g = c - f$ | -5.8 |
|-----------------------------|----------|-------------|------|

| | | | | | | | | | |
|--|---|----------|-------|---|------|----------|-----|-------------|-------|
| Type of Solvent | Factor: specific gravity of solvent (g/l) | h | Perce | X | 1600 | Siloxane | 970 | Hydrocarbon | Other |
| | Weight of work / litre of solvent (kg/l) | j | | | | | | | |
| Weight of solvent emitted (should be 20g/kg or less) | g/kg | k | Perce | X | 1600 | Siloxane | 970 | Hydrocarbon | Other |
| Weight of solvent used (kg) | b | | | | | | | | |

Solvent Usage Check : **OK**

MONTHLY INVENTORY SHEET

Site:

Mito

Machine:

Month and year:

Dec 08

Week ending / Week No.

| | | | |
|---|----|----|----|
| 7 | 14 | 21 | 28 |
|---|----|----|----|

Weight of work processed (kg)

| | | | | | | | |
|---------------|-------------|----------|----|-----|-----|----|-----|
| Monthly Total | Weight (kg) | a | 97 | 104 | 100 | 36 | 337 |
|---------------|-------------|----------|----|-----|-----|----|-----|

Solvent used (litres)

| | | | | | |
|---------------|----------|----------|---|---|---|
| Monthly Total | (litres) | c | 5 | 5 | 5 |
|---------------|----------|----------|---|---|---|

Estimated still residue for month (litres)

| | |
|----------|----|
| d | 18 |
|----------|----|

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 | 0.15 | 0.6 |
| | Total | d | 0 | 18 |
| Manual rake out | | | 0 | 0 |
| Pumped out | X | | 10.8 | 10.8 |

Nominal Monthly Solvent Use

| | | |
|----------|------------------|------|
| (litres) | g = c - f | -5.8 |
|----------|------------------|------|

Solvent emission calculation

| | | | | | | | |
|------------------------|--|----------|----------|----------------|----------------------------|-----|-----|
| Type of Solvent | Factor: specific gravity of solvent | h | (g/l) | 1600 | X | 970 | 970 |
| | Weight of work / litre of solvent | j | (kg / l) | 20g/kg or less | | | |
| Weight of solvent used | Solvent emitted (should be 20g/kg or less) | k | g / kg | b | $= g \times (h \div 1000)$ | | |
| | | | | | | | |
| Other | | | | | | | |
| Hydrocarbon | | | | | | | |
| Siloxane | | | | | | | |
| Perc | | | | | | | |

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site:

Mito

Machine:

Month and year:

Jan 09

Week ending / Week No.

| | | | |
|---|----|----|----|
| 4 | 11 | 18 | 25 |
|---|----|----|----|

Weight of work processed (kg)

| | | | |
|---------------|-------------|-----|----|
| Monthly Total | Weight (kg) | 333 | a |
| 52 | 105 | 105 | 71 |

Solvent used (litres)

| | | | |
|---------------|----------|---|---|
| Monthly Total | (litres) | c | 9 |
| 9 | | | |

Estimated still residue for month (litres)

| | |
|---|----|
| d | 18 |
|---|----|

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 | e | d | f = e × d |
| Manual rake out | 0.15 | 0 | 0 |
| Pumped out | X | 0.6 | 10.8 |
| Waste Allowance Factor | Total | Allowance | |

Solvent emission calculation

| | | | |
|-----------------------------|----------|-----------|------|
| Nominal Monthly Solvent Use | (litres) | g = c - f | -1.8 |
|-----------------------------|----------|-----------|------|

| | | | | | |
|---|---|--|-----------|--|-----------------------------|
| 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) | Weight of solvent used (kg) |
| Type of Solvent | | | | | |
| Peric | X | 1600 | | | |
| Siloxane | | 970 | | | |
| Hydrocarbon | | 970 | | | |
| Other | | | | | |

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site: _____ Machine: Mito
 Month and year: Mar 09

Week ending / Week No.

| | | | | |
|---|---|----|----|----|
| 1 | 8 | 15 | 22 | 29 |
|---|---|----|----|----|

Weight of work processed (kg)

| | | | | | | |
|---------------------------|-----|-----|----|-----|----|-----|
| Monthly Total Weight (kg) | 101 | 108 | 65 | 117 | 67 | 458 |
| a | | | | | | |

Solvent used (litres)

| | | | | | | |
|------------------------|---|--|--|--|--|---|
| Monthly Total (litres) | 9 | | | | | 9 |
| c | | | | | | |

Estimated still residue for month (litres)

| | |
|----------|----|
| d | 18 |
|----------|----|

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 | e | d | f = e × d |
| Manual rake out | | | |
| Pumped out | X | | |
| | 0.15 | 0 | 0 |
| | 0.6 | 18 | 10.8 |

Solvent emission calculation

| | | |
|--------------------------------------|------------------|------|
| Nominal Monthly Solvent Use (litres) | g = c - f | -1.8 |
|--------------------------------------|------------------|------|

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

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site:

Machine:

Mito

Month and year:

May 09

Week ending / Week No.

| | | | | |
|---|----|----|----|----|
| 3 | 10 | 17 | 24 | 31 |
|---|----|----|----|----|

Weight of work processed (kg)

| | | | | | |
|---------------------------|----------|----|----|----|----|
| Monthly Total Weight (kg) | a | | | | |
| | 313 | 82 | 70 | 78 | 83 |

Solvent used (litres)

| | | | | | |
|------------------------|----------|--|--|--|--|
| Monthly Total (litres) | c | | | | |
| | 0 | | | | |

Estimated still residue for month (litres)

| | |
|----------|----|
| d | 18 |
|----------|----|

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 | | |
| Manual rake out | | 0.15 | 0 | 0 |
| Pumped out | X | 0.6 | 18 | 10.8 |

Nominal Monthly Solvent Use (litres)

| | |
|------------------|---|
| g = c - f | 0 |
|------------------|---|

Solvent emission calculation

| | | | | |
|--|-------------------------------------|----------------|--|--|
| Type of Solvent | Factor: specific gravity of solvent | h | | |
| | (g/l) | (g/l) | | |
| Weight of work / litre of solvent (should be 20g/kg or less) | j | k | | |
| | (kg/l) | g/kg | | |
| Weight of solvent used | b | l | | |
| | (kg) | $l = h \div j$ | | |
| Perc | X | 1600 | | |
| Siloxane | | 970 | | |
| Hydrocarbon | | 970 | | |
| Other | | | | |

Solvent Usage Check : OK

MONTHLY INVENTORY SHEET

Site: _____ Machine: Mito
 Month and year: Jun 09

Week ending / Week No.

| | | | |
|---|----|----|----|
| 7 | 14 | 21 | 28 |
|---|----|----|----|

Weight of work processed (kg)

| | | | | | | | |
|---------------|-------------|----------|----|----|----|----|-----|
| Monthly Total | Weight (kg) | a | 90 | 79 | 99 | 77 | 345 |
|---------------|-------------|----------|----|----|----|----|-----|

Solvent used (litres)

| | | | | |
|---------------|----------|----------|----|----|
| Monthly Total | (litres) | c | 20 | 20 |
|---------------|----------|----------|----|----|

Estimated still residue for month (litres)

| | |
|----------|----|
| d | 18 |
|----------|----|

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 | e | d | f |
| Manual rake out | 0.15 | 0 | 0 |
| Pumped out | 0.6 | 18 | 10.8 |
| | | | $= e \times d$ |
| Waste Allowance Factor | Total | Allowance | |

Solvent emission calculation

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

| | | | | |
|-----------------|-------------------------------------|-----------------------------------|--|------------------------|
| 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 | k | b |
| | $= a \div g$ | $= h \div j$ | $= g \times (h \div 1000)$ | |
| Perc | X | 1600 | 37.50 | 42.67 |
| Siloxane | | 970 | | 14.72 |
| Hydrocarbon | | 970 | | |
| Other | | | | |

Solvent Usage Check : **PROBLEM**

MONTHLY INVENTORY SHEET

Site: _____ Machine: _____ Mito _____
 Month and year: July 09

Week ending / Week No.

| | | | |
|---|----|----|----|
| 5 | 12 | 19 | 26 |
|---|----|----|----|

Weight of work processed (kg)

| | | | | | | |
|---------------|-------------|----|----|-----|-----|-----|
| Monthly Total | Weight (kg) | 93 | 84 | 108 | 110 | 395 |
| a | | | | | | |

Solvent used (litres)

| | | | | | | |
|---------------|----------|--|--|--|--|---|
| Monthly Total | (litres) | | | | | |
| c | | | | | | |
| | | | | | | 0 |

Estimated still residue for month (litres)

| | |
|----------|----|
| d | 18 |
|----------|----|

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 | e | d | f |
| Waste Allowance Factor | Total | Allowance | |
| Manual rake out | 0.15 | 0 | 0 |
| Pumped out | 0.6 | 18 | 10.8 |

Solvent emission calculation

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

| | | | | | | | | |
|-----------------|---|----------|---|----------|--|-----------------|------------------------|----------|
| Type of Solvent | Factor: specific gravity of solvent (g/l) | h | Factor: specific weight of work / litre of solvent (kg/l) | j | Solvent emitted (should be 20g/kg or less) | k | Weight of solvent used | b |
| | | (g/l) | | (kg/l) | | (kg/kg or less) | | (kg) |
| Perc | X | 1600 | | | | | | |
| Siloxane | | 970 | | | | | | |
| Hydrocarbon | | 970 | | | | | | |
| Other | | | | | | | | |

Solvent Usage Check : OK