

**Sims Group UK Limited
Northside, South Dock
Alexandra Dock
Newport**

EPR/KP3195FW_EAWML30264

Environmental Performance Report 2016

Condition 4.2.2 of EPR/KP3195FW requires the periodic reporting of environmental performance as follows;

- a) A review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data.

Samples of compressor oil, metals, plastic, polyurethane foam and emissions to air are taken in accordance with permit requirements. Results obtained during 2016 are presented in Appendix 1.

Review of data versus permit limits.

CFC results for all samples taken of compressor oil and polyurethane foam were well below the permit limits.

Foam content of metal samples; results were all compliant with the permit limit.

Foam content of plastic samples; January, February and September Plant 1 results were elevated. Investigations were carried out to determine the cause of the elevations. No operational issues were identified however general equipment maintenance was carried out as a precautionary measure.

Emissions to air; Plants were not always operational at times of testing by independent laboratory due to breakdowns or maintenance periods. An issue was identified with Fridge plant 2 cryogenic system in late Q1 which resulted in a management decision to shut the plant for 3 months whilst investigation and major capital investment carried out to replace critical components. Operations were then restarted at a reduced level while further work continued over the following 3 months. Emission results have been slightly elevated. Investigations are carried out to investigate any potential reasons. Recovery levels of blowing agent have remained stable and in line with expectations during the period. It should be noted that emissions in general have been <0.4% of recovery levels.

End of Report

Appendix 1

Compressor Oil Analysis Results	
CFC Limit Value <0.9% w/w	
Date	Result
26/01/2016	0.34% w/w
24/02/2016	0.14% w/w
30/03/2016	0.3% w/w
22/04/2016	0.21% w/w
19/05/2016	0.20% w/w
28/06/2016	0.16% w/w
28/07/2016	0.16% w/w
23/08/2016	0.094% w/w
27/09/2016	0.11% w/w
17/10/2016	0.15% w/w
28/11/2016	0.17% w/w
20/12/2016	0.16% w/w

Metal Analysis Results Plant 1	
Foam Limit Value 0.5% w/w	
Date	Result
26/01/2016	<0.5% w/w
24/02/2016	0.5% w/w

30/03/2016	<0.5% w/w
22/04/2016	<0.5% w/w
19/05/2016	<0.5% w/w
28/06/2016	<0.5% w/w
28/07/2016	<0.5% w/w
23/08/2016	0.4% w/w
27/09/2016	0.2% w/w
17/10/2016	<0.5% w/w
28/11/2016	<0.5% w/w
20/12/2016	Plant not operational

Metal Analysis Results Plant 2	
Foam Limit Value 0.5% w/w	
Date	Result
26/01/2016	<0.5% w/w
24/02/2016	<0.5% w/w
30/03/2016	<0.5% w/w
22/04/2016	<0.5% w/w
19/05/2016	N/A
28/06/2016	<0.5% w/w
28/07/2016	<0.5% w/w
23/08/2016	0.4% w/w
27/09/2016	0.3% w/w
17/10/2016	<0.5% w/w
28/11/2016	<0.5% w/w
20/12/2016	<0.5% w/w

Plastic Analysis Results Plant 1**Foam Limit Value 1.0% w/w**

Date	Result
26/01/2016	1.3% w/w
24/02/2016	3.3% w/w
30/03/2016	<1.0% w/w
22/04/2016	<1.0% w/w
19/05/2016	<1.0% w/w
28/06/2016	<1.0% w/w
28/07/2016	<1.0% w/w
23/08/2016	0.4% w/w
27/09/2016	2.4% w/w
17/10/2016	<1.0% w/w
28/11/2016	<1.0% w/w
20/12/2016	Plant not operational

Plastic Analysis Results Plant 2**Foam Limit Value 1.0% w/w**

Date	Result
26/01/2016	<1.0% w/w
24/02/2016	<1.0% w/w
30/03/2016	<1.0% w/w
22/04/2016	<1.0% w/w
19/05/2016	N/A
28/06/2016	<1.0% w/w
28/07/2016	<1.0% w/w
23/08/2016	0.3% w/w

27/09/2016	0.2% w/w
17/10/2016	<1.0% w/w
28/11/2016	<1.0% w/w
20/12/2016	<1.0% w/w

Foam Analysis Results Plant 1	
CFC Limit Value 0.2% w/w	
Date	Result
26/01/2016	0.0051% w/w
24/02/2016	0.0015% w/w
30/03/2016	0.0033% w/w
22/04/2016	0.0028% w/w
19/05/2016	<0.0010% w/w
28/06/2016	0.0061% w/w
28/07/2016	<0.0010% w/w
23/08/2016	0.0010% w/w
27/09/2016	<0.0010% w/w
17/10/2016	<0.0010% w/w
28/11/2016	0.014% w/w
20/12/2016	Plant not operational

Foam Analysis Results Plant 2	
CFC Limit Value 0.2% w/w	
Date	Result

26/01/2016	0.0074% w/w
24/02/2016	0.0016% w/w
30/03/2016	0.0042% w/w
22/04/2016	0.0052% w/w
19/05/2016	N/A
28/06/2016	<0.0010% w/w
28/07/2016	<0.0010% w/w
23/08/2016	<0.0010% w/w
27/09/2016	<0.0020% w/w
17/10/2016	<0.0060% w/w
28/11/2016	0.014% w/w
20/12/2016	0.03%

Emissions to air: Chlorofluorocarbons Analysis Results Plant 1

CFC Limit Values:

<100 units: 5g per hour

>100 units but <200 units: 10g per hour

>200 units but <300 units: 15g per hour

>300 units but <400 units: 20g per hour

>400 units: 30g per hour

Date	Result
26/01/2016	4.1g/hr
24/02/2016	4.4g/hr
30/03/2016	Plant not operational
22/04/2016	14.7g/hr
19/05/2016	31.7g/hr

28/06/2016	2.8g/hr
28/07/2016	96g/hr
23/08/2016	11.2g/hr
27/09/2016	1.5g/hr
17/10/2016	125g/hr
28/11/2016	68g/hr
20/12/2016	Plant not operational

Emissions to air: Chlorofluorocarbons Analysis Results Plant 2

CFC Limit Values:

<100 units: 5g per hour

>100 units but <200 units: 10g per hour

>200 units but <300 units: 15g per hour

>300 units but <400 units: 20g per hour

>400 units: 30g per hour

Date	Result
26/01/2016	Plant not operational
24/02/2016	Plant not operational
30/03/2016	Plant not operational
22/04/2016	Plant not operational
19/05/2016	Plant not operational
28/06/2016	17g/hr
28/07/2016	88g/hr
23/08/2016	Plant not operational
27/09/2016	17g/hr
17/10/2016	750g/hr
28/11/2016	Plant not operational

20/12/2016	20g/hr
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