

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

EPR/KP3195FW_EAWML30264

Environmental Performance Report 2017

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 2017 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 compliant with the permit limit with the exception of plant 2 for January 2017. Foam content of plastic samples; April and July plant 1 results and January results for plant 2 were slightly elevated. Investigations were undertaken and a new filter system subsequently installed.

Emissions to air: Plant 2 results were compliant with the permit limit with the exception of July 2017; investigations were undertaken and no operational issues were identified, hence it is possible that the result was erroneous. Emission results for plant 1 were elevated. Investigations were undertaken to determine the cause of the elevations. Subsequently the condensation temperature control for the process gas has been adjusted; this has reduced CFC emissions to below 5g/hr and readings are being closely monitored by site. Plant 1 is currently only intermittently operating due to reduced volumes of fridges.

End of Report

Appendix 1

Compressor Oil Analysis Results	
CFC Limit Value <0.9% w/w	
Date	Result
25/01/2017	0.1% w/w
14/02/2017	0.13% w/w
-	-
25/04/2017	0.2% w/w
25/05/2017	0.17% w/w
15/06/2017	0.11% w/w
11/07/2017	0.11% w/w
15/08/2017	0.1% w/w
05/09/2017	0.09% w/w
24/10/2017	0.12% w/w
28/11/2017	0.13% w/w
14/12/2017	0.19% w/w

Metal Analysis Results Plant 1	
Foam Limit Value 0.5% w/w	
Date	Result
25/01/2017	<0.5% w/w
14/02/2017	<0.5% w/w
Plant down	Plant down
25/04/2017	<0.5% w/w
25/05/2017	<0.5% w/w
15/06/2017	<0.5% w/w
11/07/2017	<0.5% w/w

15/08/2017	<0.5% w/w
05/09/2017	<0.5% w/w
24/10/2017	<0.5% w/w
Plant down	Plant down
Plant down	Plant down

Metal Analysis Results Plant 2	
Foam Limit Value 0.5% w/w	
Date	Result
25/01/2017	0.6% w/w
14/02/2017	<0.5% w/w
24/03/2017	<0.5% w/w
25/04/2017	<0.5% w/w
25/05/2017	<0.5% w/w
15/06/2017	<0.5% w/w
11/07/2017	<0.5% w/w
15/08/2017	<0.5% w/w
05/09/2017	<0.5% w/w
24/10/2017	<0.5% w/w
28/11/2017	<0.5% w/w
14/12/2017	<0.5% w/w

Plastic Analysis Results Plant 1	
Foam Limit Value 1.0% w/w	
Date	Result
25/01/2017	<1.0% w/w
14/02/2017	<1.0% w/w

Plant down	Plant down
25/04/2017	4.6% w/w
25/05/2017	<1.0% w/w
16/06/2017	<1.0% w/w
11/07/2017	1.8% w/w
15/08/2017	<1.0% w/w
05/09/2017	0.9% w/w
24/10/2017	<1.0% w/w
28/11/2017	Plant down
Plant down	Plant down

Plastic Analysis Results Plant 2	
Foam Limit Value 1.0% w/w	
Date	Result
25/01/2017	2.3% w/w
14/02/2017	<1.0% w/w
24/03/2017	<1.0% w/w
25/04/2017	<1.0% w/w
25/05/2017	<1.0% w/w
15/06/2017	<1.0% w/w
11/07/2017	<1% w/w
15/08/2017	<1% w/w
05/09/2017	<0.5% w/w
24/10/2017	<1.0% w/w
28/11/2017	<1.0% w/w
14/12/2017	<1.0% w/w

Foam Analysis Results Plant 1	
CFC Limit Value 0.2% w/w	
Date	Result
25/01/2017	<0.001% w/w
14/02/2017	0.0046% w/w
Plant down	Plant down
25/04/2017	0.0048% w/w
25/05/2017	0.0083% w/w
15/06/2017	<0.001% w/w
11/07/2017	0.0034% w/w
15/08/2017	0.0115% w/w
05/09/2017	0.0019% w/w
24/10/2017	0.0060% w/w
28/11/2017	Plant down
Plant down	Plant down

Foam Analysis Results Plant 2	
CFC Limit Value 0.2% w/w	
Date	Result
25/01/2017	0.0095% w/w
14/02/2017	0.0134% w/w
24/03/2017	0.0028% w/w
25/04/2017	0.0079% w/w
25/05/2017	0.0144% w/w

15/06/2017	<0.001% w/w
11/07/2017	0.0058% w/w
15/08/2017	0.0140% w/w
05/09/2017	0.0030% w/w
24/10/2017	0.0040% w/w
28/11/2017	0.029% w/w
14/12/2017	<0.001% w/w

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
25/01/2017	2.7g/hr
14/02/2017	11g/hr
Plant down	Plant down
25/04/2017	3.2g/hr
25/05/2017	26g/hr
15/06/2017	12g/hr
11/07/2017	225g/hr
15/08/2017	33g/hr
05/09/2017	16g/hr
Plant down	Plant down

Plant down	Plant down
Plant down	Plant down

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
25/01/2017	2.4g/hr
14/02/2017	0.5g/hr
24/03/2017	0.5g/hr
25/04/2017	1.1g/hr
25/05/2017	0.5g/hr
15/06/2017	1g/hr
11/07/2017	16g/hr
15/08/2017	1.5g/hr
05/09/2017	1.5g/hr
24/10/2017	2g/hr
28/11/2017	1.35g/hr
14/12/2017	0.5g/hr