

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

EPR/KP3195FW_EAWML30264

Environmental Performance Report 2022

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 2022 are presented in Appendix 1.

Review of data versus permit limits:

CFC results for all samples taken of compressor oil were within permit limits.

Foam content of plastic samples were all less than the permit limit with the exception of the Plant 2 result for the sample taken on 20/01/2022. An investigation was carried out to determine the cause of the elevation. A build-up of foam was identified, caused by a catch point that had developed due to screen wear. The build up caused carry over of the foam to the plastic. The catch point was cleared to resolve the issue. Maintenance schedules have been updated to include more frequent screen changes in order to prevent the issue happening again.

Foam content of metal samples were all less than the permit limit.

Emissions to air: CFC and TVOC results were within permit limit with the exception of the CFC results for March 2022. An investigation was carried out to determine the cause of the elevation. The online plant readings were within normal parameters. No operational issues were identified.

End of Report

Appendix 1

Compressor Oil Analysis Results	
CFC Limit Value <0.9% w/w	
Date	Result
Q1 2022	0.01% w/w
Q2 2022	0.01% w/w
Q3 2022	0.01% w/w
Q4 2022	0.01% w/w

Metal Analysis Results	
Foam Limit Value 0.5% w/w	
Date	Result
Q1 2022	<0.5% w/w
Q2 2022	<0.5% w/w
Q3 2022	<0.5% w/w
Q4 2022	<0.5% w/w

Plastic Analysis Results	
Foam Limit Value 1.0% w/w	
Date	Result
Q1 2022	<1% w/w with the exception of Plant 2 result 20/01/2022 which was 4% w/w
Q2 2022	<1% w/w
Q3 2022	<1% w/w
Q4 2022	<1% w/w

Quantity of residual blowing agent in the polyurethane foam after processing	
Limit Value 0.2% w/w	
Date	Result
Q1 2022	0.15% w/w
Q2 2022	0.13% w/w
Q3 2022	0.05% w/w
Q4 2022	0.02% w/w

Emissions to air: Chlorofluorocarbons Analysis Results Plant 1	
CFC Limit Values up to 16/08/2022:	
<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
20/01/2022	Plant 1 not operational
17/02/2022	<0.05 g/hr
18/03/2022	25.2g/hr
14/04/2022	0.85 g/hr
09/05/2022	0.65 g/hr
14/06/2022	<0.5 g/hr
20/07/2022	<0.5 g/hr

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
20/01/2022	3.85 g/hr
17/02/2022	<0.05 g/hr
18/03/2022	27.9 g/hr
14/04/2022	0.95 g/hr
09/05/2022	0.6 g/hr
14/06/2022	<0.5 g/hr
20/07/2022	<0.5 g/hr

Combined Emissions to air results

TVOC Limit Values: 15mg/m3

Date	Result
26/09/2022	<10mg/m3
25/10/2022	<10mg/m3
November 2022	Samples taken incorrectly
19/12/2022	<10mg/m3

Combined Emissions to air results

CFC Limit Values: 10mg/m3

Date	Result
19/08/2022	<10mg/m3
23/09/2022	<10mg/m3
25/10/2022	<10mg/m3
November 2022	Samples taken incorrectly
19/12/2022	<10mg/m3