

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

EPR/KP3195FW_EAWML30264

Environmental Performance Report 2020

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 2020 are presented in Appendix 1. No samples were taken from March – June 2020 as the site was not operational. Our contractor was unable to visit site during December.

Review of data versus permit limits.

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

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

Foam content of metal samples were all less than the permit limit with the exception of the plant 1 sample taken on 29/07/2020. An investigation was undertaken following receipt of the lab results in order to try to determine the cause of the slight elevation of foam remaining on metal from plant 1 (result 0.7%, permit limit 0.5%). No obvious operational issues were identified at the time of the initial investigation, however the screens and filter units were cleaned and subsequent visual monitoring of the metal produced undertaken. The sample taken in September was within permit limits.

Emissions to air: Plant 2 results were compliant with the permit limit. Emission results for plant 1 were elevated in September 2020. 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, however additional maintenance was subsequently undertaken. Subsequent samples were within permit limits.

End of Report

Appendix 1

Compressor Oil Analysis Results	
CFC Limit Value <0.9% w/w	
Date	Result
29/01/2020	0.039% w/w
28/02/2020	0.083% w/w
March – June 2020: Site not operational	
29/07/2020	0.031% w/w
28/08/2020	0.011% w/w
28/09/2020	0.035% w/w
28/10/2020	0.022% w/w
26/11/2020	0.026% w/w
December 2020 – Contractor issue.	

Metal Analysis Results Plant 1	
Foam Limit Value 0.5% w/w	
Date	Result
29/01/2020	<0.5% w/w
28/02/2020	Plant not operational
March – June 2020: Site not operational	
29/07/2020	0.7% w/w
28/08/2020	Not Operational
28/09/2020	<0.5% w/w
28/10/2020	<0.5% w/w
26/11/2020	<0.5% w/w
December 2020 – Contractor issue.	

Metal Analysis Results Plant 2**Foam Limit Value 0.5% w/w**

Date	Result
29/01/2020	<0.5% w/w
28/02/2020	<0.5% w/w
March – June 2020: Site not operational	
29/07/2020	<0.5% w/w
28/08/2020	<0.5% w/w
28/09/2020	<0.5% w/w
28/10/2020	<0.5% w/w
26/11/2020	<0.5% w/w
December 2020 – Contractor issue.	

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

Date	Result
29/01/2020	<1.0% w/w
28/02/2020	Plant not operational
March – June 2020: Site not operational	
29/07/2020	<1.0% w/w
28/08/2020	Not Operational
28/09/2020	<1.0% w/w
28/10/2020	<1.0% w/w
26/11/2020	<1.0% w/w
December 2020 – Contractor issue.	

Plastic Analysis Results Plant 2

Foam Limit Value 1.0% w/w	
Date	Result
29/01/2020	<1.0% w/w
28/02/2020	<1.0% w/w
March – June 2020: Site not operational	
29/07/2020	<1.0% w/w
28/08/2020	<1.0% w/w
28/09/2020	<1.0% w/w
28/10/2020	<1.0% w/w
26/11/2020	<1.0% w/w
December 2020 – Contractor issue.	

Foam Analysis Results Plant 1	
CFC Limit Value 0.2% w/w	
Date	Result
29/01/2020	CFC only 0.0089% w/w With CFCs and pentane/ cyclopentane combined – 0.053% w/w
28/02/2020	Plant not operational
March – June 2020: Site not operational	
29/07/2020	CFC only 0.0013% w/w With CFCs and pentane/ cyclopentane combined – 0.023% w/w
28/08/2020	Not Operational
28/09/2020	CFC only 0.0013% w/w

	With CFCs and pentane/ cyclopentane combined – 0.034% w/w
28/10/2020	CFC only 0.0061% w/w With CFCs and pentane/ cyclopentane combined – 0.12% w/w
26/11/2020	CFC only 0.0019% w/w With CFCs and pentane/ cyclopentane combined – 0.054% w/w
December 2020 – Contractor issue.	

Foam Analysis Results Plant 2	
CFC Limit Value 0.2% w/w	
Date	Result
29/01/2020	CFC only 0.01% w/w With CFCs and pentane/ cyclopentane combined – 0.05% w/w
28/02/2020	CFC only 0.02% w/w With CFCs and pentane/ cyclopentane combined – 0.12% w/w
March – June 2020: Site not operational	
29/07/2020	CFC only 0.001% w/w With CFCs and pentane/ cyclopentane combined – 0.034% w/w
28/08/2020	CFC only 0.006% w/w With CFCs and pentane/ cyclopentane combined – 0.2% w/w
29/09/2020	CFC only 0.001% w/w With CFCs and pentane/ cyclopentane combined - 0.037% w/w
28/10/2020	CFC only 0.006% w/w

	With CFCs and pentane/ cyclopentane combined – 0.1% w/w
26/11/2020	CFC only 0.001% w/w With CFCs and pentane/ cyclopentane combined – 0.07% w/w
December 2020 – Contractor issue.	

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
29/01/2020	1.95g/hr
28/02/2020	Plant not operational
March – June 2020: Site not operational	
29/07/2020	<0.5g/hr
28/08/2020	Not Operational
28/09/2020	8.8g/hr
28/10/2020	1.3g/hr
26/11/2020	<0.5g/hr
December 2020 – Contractor issue.	

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
29/01/2020	0.9g/hr
28/02/2020	0.8g/hr
March – June 2020: Site not operational	
29/07/2020	<0.5g/hr
28/08/2020	0.6g/hr
28/09/2020	4.3g/hr
28/10/2020	1.2g/hr
26/11/2020	1.1g/hr
December 2020 – Contractor issue.	