

Schedule 3 - Form Number: A2

Operator: KEPAK Group Limited

Permit Number: AP3433ES

Installation: Dowlais Slaughterhouse

Release to Air

NIL RETURNED

Release Point: A1

Release for Calendar Year ending: **December 2021**

Reporting Form A2			
Parameter	Limit Value	Measured Value	Date of Sampling
Sulphur dioxide (as 20 minute average) mg/m ³	300		
Volatile Organic Compounds (as carbon) mg/m ³	20		
Gaseous Chlorides (as HCl) mg/m ³	100		
Oxides of Nitrogen (as NO _x) mg/m ³	-		
Particulate Matter mg/m ³	100		
Dioxins and Furans** (expressed as ITEQ equivalent) ng/m ³	1		
Polycyclic Aromatic Hydrocarbons (as benzo-a-pyrene) mg/m ³	-		

Signed on behalf of the Operator ...

Date ...24/01/2022



Schedule 3 - Form Number: A4

Operator: KEPAK Group Limited

Permit number: AP3433ES

Installation: Dowlais Slaughterhouse

Release to Air

Release Points: A3, A4

Release for Calendar Year ending: **December 2021**

Reporting Form A4				
Parameter	Limit value	Release Point A3	Release Point A4	Date of sampling
Oxides of Nitrogen mg/m ³	-	82.14 Low 90.36 High	59.55 Low 61.60 High	04/03/2021
Carbon Monoxide mg/m ³	-	30 Low 42.5 High	25 Low 30 High	04/03/2021

Signed on behalf of the Operator ...

Date ...24/01/2022



Note:

Release Point A3 = No 1 Boiler

Release Point A4 = No 2 Boiler

Mg/m³ for NO_x and CO calculated using:

$$\text{NO}_x \text{ (mg/m}^3\text{)} = \frac{\text{ppm (NO}_x\text{)} * 46}{22.4}$$

$$\text{CO (mg/m}^3\text{)} = \text{ppm} \times 28.01/22.41$$

Schedule 3 - Form Number: A5

Operator: KEPAK Group Limited

Permit Number: AP3433ES

NIL RETURNED

Installation: Dowlais Slaughterhouse

Release to Air

Release Points: A1, Incinerator Bottom Ash

Release for Calendar Year ending: **December 2021**

Reporting Form A5				
Parameter	Limit Value	Value	Release Point	Date of sampling
Total organic carbon content %	-		A1	
Protein Content mg/100g	-			
Total organic carbon content %	-		Incinerator bottom ash	
Protein Content mg/100g	-			
Total organic carbon content %	-		Incinerator bottom ash	
Protein Content mg/100g	-			

Signed on behalf of the Operator

Date ...24/01/2022



Schedule 3 - Form Number: S2

Operator: KEPAK Group Limited

Permit Number: AP3433ES

Installation: Dowlais Slaughterhouse

Release to Sewer and Water

Release Point: S1

Release for Calendar Year ending: [December 2021](#)

Reporting Form S2		
Release point	Date of Sampling	Organophosphorus content mg/l
S1	26/10/2021	See attached results

Signed on behalf of the Operator ...

Date ...24/01/2022



NOTES:

Schedule 3 - Form Number: R1

Operator: KEPAK Group Limited

Permit Number: AP3433ES

Installation: Dowlais Slaughterhouse

Energy and Water Consumption

Release for Calendar Year ending: [December 2021](#)

Reporting Form R1

Parameter	Quantity
Delivered Electricity MWh	16,525
Primary electricity (delivered electricity x 2.6) MWh	42,965
Primary carbon dioxide (delivered electricity x 0.2556kg CO ₂ e)	4,223 tonnes
Delivered gas MWh	18,313
Process water used m ³	212,274

Signed on behalf of the Operator ...

Date ...24/01/2022



Schedule 3 - Form Number: R2**Operator: KEPAK Group Limited****Permit Number: AP3433ES**

Installation: Dowlais Slaughterhouse

Waste Return

Release for Calendar Year ending: **December 2021**

Reporting Form R2				
Parameter	Raw Materials Used tonnes	Quantity Used in Production tonnes	Quantity to Waste tonnes	Fate of Waste
Animal tissue - SRM	-		3404.48	Incineration
Animal tissue – Bones, Heads & Feet	-		16257.93	*Rendering
Blood - Ovine	-		1710.02	Anaerobic Digestion
Incinerator Bottom Ash	-		N/A	N/A
Packaging			**See notes	**See notes
Sanitiser/Hygiene Chemicals/Detergents/ETP Chemicals			90.136	Foul Sewer + Anaerobic Digestion
Refrigerants			0.350	Air emissions
Mixed Waste			62.25	Landfill
Metal			17.80	Recycled
Plastic			N/A	N/A
Cardboard/Paper			0.41	Recycled
Stomach Content, Lairage Waste & DAF Sludge			15334.59	Anaerobic Digestion

Signed on behalf of the Operator...

Date ...24/01/2022

**Notes:**

Sanitisers / hygiene chemicals, detergents and effluent treatment chemicals have been grouped as one category as they are all discharged to sewer or disposed of as effluent sludge.

** Packaging: Packaging waste data is not finalised for the previous calendar year until mid Mar when it is used for the Packaging Waste Regulations submission. Once this data is available it will be forwarded to NRW.