

Schedule 3 - Form Number: A2

Operator: 2 Sisters Red Meats Ltd

Permit Number: AP3433ES

Installation: Dowlais Slaughterhouse

Release to Air

NIL RETURNED

Release Point: A1

Release for Calendar Year ending: December 2015

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 28/1/2016

Schedule 3 - Form Number: A4

Operator: 2 Sisters Red Meats Ltd

Permit number: AP3433ES

Installation: Dowlais Slaughterhouse

Release to Air

Release Points: A3, A4

Release for Calendar Year ending: December 2015

Reporting Form A4				
Parameter	Limit value	Release Point A3	Release Point A4	Date of sampling
Oxides of Nitrogen mg/m ³	-	160 low 169 mid 135 high	125 low 158 mid 154 high	21/11/15
Carbon Monoxide mg/m ³	-	0 low 0 mid 0 high	0 low 0 mid 0 high	21/11/15

Signed on behalf of the Operator

Date ...28/1/2016...

Note:

Release Point A3 = No 1 Boiler

Release Point A4 = No 2 Boiler

Mg/m³ for NO_x calculated using:

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

Schedule 3 - Form Number: A5

Operator: 2 Sisters Red Meats Ltd

Permit Number: AP3433ES

NIL RETURNED

Installation: Dowlais Slaughterhouse

Release to Air

Release Points: A1, Incinerator Bottom Ash

Release for Calendar Year ending: December 2015

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 28/1/2016

Schedule 3 - Form Number: S2

Operator: 2 Sisters Red Meats Ltd

Permit Number: AP3433ES

Installation: Dowlais Slaughterhouse

Release to Sewer and Water

Release Point: S1, W1, W2

Release for Calendar Year ending: ...December 2015.

Reporting Form S2		
Release point	Date of Sampling	Organophosphorus content mg/l
S1	26/11/2015	See note below
W1	26/11/2015	See note below
W2	26/11/2015	See note below

Signed on behalf of the Operator 

Date 28/1/2016

NOTES:

27/01/2016: Analysis of Organophosphorus Pesticides has been delayed by the Laboratory (see letter COM 37 15). This is being pursued by 2SRM Merthyr as a priority and results shall be forwarded to NRW once they have been received.

Schedule 3 - Form Number: R1

Operator: 2 Sisters Red Meats Ltd

Permit Number: AP3433ES

Installation: Dowlais Slaughterhouse

Energy and Water Consumption

Release for Calendar Year ending: December 2015

Reporting Form R1

Parameter	Quantity
Delivered Electricity MWh	18588
Primary electricity (delivered x 2.4) MWh	44611
Primary carbon dioxide (primary electricity x 0.166) te	7405
Delivered gas MWh	16833
Process water used m ³	220945

Signed on behalf of the Operator 

Date 28/1/2016

Schedule 3 - Form Number: R2

Operator: 2 Sisters Red Meats Ltd

Permit Number: AP3433ES

Installation: Dowlais Slaughterhouse

Waste Return

Release for Calendar Year ending: ... December 2015

Reporting Form R2				
Parameter	Raw Materials Used tonnes	Quantity Used in Production tonnes	Quantity to Waste tonnes	Fate of Waste
Animal tissue - SRM	-	-	15633.14	Incineration
Animal tissue - Bones	-	-	5618	Rendering
Blood - Ovine	-		3882	Anaerobic Digestion
Incinerator Bottom Ash	-	-	N/A	N/A
Packaging			*See notes	*See notes
Sanitiser/Hygiene Chemicals/Detergents/ETP Chemicals			304	Foul Sewer
Refrigerants			1.25	Air emissions
Mixed Waste			850	Landfill
Metal			15	Recycled
Plastic			46	Recycled
Cardboard/Paper			141	Recycled
Stomach Content, Lairage Waste & DAF Sludge			12353	Anaerobic Digestion

Signed on behalf of the Operator

Date ..28/1/2016.....

Notes:

Sanitisers / hygiene chemicals, detergents and effluent treatment have been grouped as one category as they all go down the drain.

2014: Some bovine blood is now sold for pet food and is not classified as waste.

2015: Some bones have been sold for further processing and have not been classified as waste.

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