

Reporting of Energy Usage for year 2024

Permit Number: LP3731SU

Operator: BAE Systems Land Systems (Munitions & Ordnance) Ltd

Installation: Glascoed Munitions Factory

Form Number: Energy 1
Form Issue Date: 03/11/2006

Energy Source	Energy Usage Quantity	Primary Energy	Specific Usage
Electricity (1)	MWh	700.56	0.0137 MWh/tonne of steam produced (29.83MJ/tonne of steam)
Natural Gas (2)	MJ	219,934,446	4296 MJ/tonne of steam produced
Gas Oil (boilers) (3)	MJ	428,465	8.37 MJ/tonne of steam produced
Diesel usage(Back-up generator)(4)	MJ	43,772	0.85 MJ/tonne of steam produced
TOTAL	MJ	220,407,384	4305 MJ/tonne of steam produced

Operator's comments	
Note 1	Conversion factor for delivered electricity to primary energy (x2.4)
Note 2	5,415,182m ³ of natural gas consumed, (conversion factors from Department of Energy and Climate Change - Digest of UK Energy Statistics 2011 Natural gas = 11.3kWh/m ³ and 1MJ = (1kWh/0.2778)).
Note 3	10,930 litres of gas oil consumed in boilers, diesel/gas oil = 10.89kWh/litre (source: Department of Energy and Climate Change - Digest of UK Energy Statistics 2011) and 1MJ = (1kWh/0.2778)
Note 4	1,116.6 litres of gas oil (generator) consumed, diesel/gas oil = 10.89kWh/litre (source: Department of Energy and Climate Change - Digest of UK Energy Statistics 2011) and 1MJ = (1kWh/0.2778)

Signed 
BAE Systems

(authorised to sign as representative of Operator)

Date 31/01/2025

Reporting of Water Usage for year 2024

Permit Number: LP3731SU

Operator: BAE Systems Land Systems
(Munitions& Ordnance) Ltd

Installation: Glascoed Munitions Factory

Form Number: Water Usage1
Form Issue Date: 03/11/2006

Water Source	Usage m ³ /year	Specific Usage
River Abstraction	651,794	
Boiler House Use	31,193	0.61 m ³ /tonne of steam produced

Operator's comments

31,193 m³ of water was used in the Boiler house representing 5 % of the total water abstracted given above

Signed


BAE Systems

Date 31/01/2025

(authorised to sign as representative of Operator)

Releases to Air

PPC Reporting

Operational Summary for the year January to December 2024

Operator: BAE Systems Land Systems
(Munitions & Ordnance)Ltd

Site Location: Glascoed, Usk

Form Number: Air - 8 (Discontinuous Monitoring)
Form Issue Date: 03/11/2006

Permit/Variation number: LP3731SU

Release point: A1 & A2

Measurement frequency: 12monthly

Date of sampling : A1 Boiler 2 Left: 03/10/2024
A1 Boiler 2 Right: 03/10/2024
A2 Boiler 3: 03/10/2024
A2 Boiler 4 Left: 04/10/2024
A2 Boiler 4 Right: 04/10/2024

Release Point	Flue	ELV mg/m ³	Measured value mg/m ³	Sampling method	Unit load	Fuel usage
					or %MCR	during sampling
A1	Boiler 1	140	*	*	*	*
	Boiler 2 Left	140	96.99	BS EN 14792:2017	90-100%	Natural Gas
	Boiler 2 Right	140	89.86	BS EN 14792:2017	90-100%	Natural Gas
A2	Boiler 3	140	93.33	BS EN 14792:2017	90-100%	Natural Gas
	Boiler 4 Left	140	88.08	BS EN 14792:2017	90-100%	Natural Gas
	Boiler 4 Right	140	83.38	BS EN 14792:2017	90-100%	Natural Gas

Notes: * denotes that the process was not operational so sampling could not be undertaken.

Signed on behalf of the Operator


BAE Systems

Date 31/01/2025

Reporting of other performance indicators for the period 01/01/2024 to 31/12/2024

Permit Number:	LP3731SU	Operator:	BAE Systems Land systems (Munitions& Ordnance) Ltd
Installation:	Glascoed Munitions Factory	Form Number:	Performance 1
		Form Issue Date:	03/11/2006

Parameter	Units
Steam Generated	51,200 tonnes per annum
Annual waste production	1.261 tonnes per annum

Environmental Performance Indicators	
Electricity	0.0137 MWh/tonne of steam produced (29.93MJ/tonne of steam)
Natural Gas	4296 MJ/tonne of steam produced
Gas Oil (boilers)	8.37 MJ/tonne of steam produced
Diesel usage(Back-up generator)	0.85 MJ/tonne of steam produced
Total Energy	4305 MJ/tonne of steam produced
Waste Production	0.0246 kg/tonne of stream produced

Operator's comments

Signed [Redacted Signature]
BAE Systems

(authorised to sign as representative of Operator)

Date 31/01/2025

Reporting of Waste Disposal for year 2024

Permit Number: LP3731SU

Operator: BAE Systems Land Systems
(Munitions& Ordnance) Ltd


Installation: Glascoed Munitions Factory

Form Number: Waste 1
Form Issue Date: 03/11/2006

Waste Description	Units	Quantity Disposed	Disposal Route
Refractory Waste	kg	1,250.0	Landfill
Boiler Soot	kg	0.0	Landfill
Boiler Sludge	kg	11.0	Landfill
TOTAL	kg	1,261.0	

Operator's comments

Signed


BAE Systems
(authorised to sign as representative of Operator)

Date 31/01/2025

Reporting of Waste Disposal for Quarter 1 (Jan/Feb/Mar 2024)

Permit Number: LP3731SU

Operator: BAE Systems Land Systems
(Munitions& Ordnance) Ltd


Installation: Glascoed Munitions Factory

Form Number: Waste Q1
Form Issue Date: 03/11/2006

Waste Description	Quantity Disposed (kg)	Disposal Route
Refractory Waste	0.0	n/a
Boiler Soot	0.0	n/a
Boiler Sludge	0.0	n/a
TOTAL	0.0	

Operator's comments

Signed


BAE Systems
(authorised to sign as representative of Operator)

Date 31/01/2025

Reporting of Waste Disposal for Quarter 2 (Apr/May/Jun 2024)

Permit Number: LP3731SU

Operator: BAE Systems Land Systems
(Munitions& Ordnance) Ltd


Installation: Glascoed Munitions Factory

Form Number: Waste Q2
Form Issue Date: 03/11/2006

Waste Description	Quantity Disposed (kg)	Disposal Route
Refractory Waste	0.0	n/a
Boiler Soot	0.0	n/a
Boiler Sludge	4.0	landfill
TOTAL	4.0	

Operator's comments

Signed


BAE Systems
(authorised to sign as representative of Operator)

Date 31/01/2025

Reporting of Waste Disposal for Quarter 3 (Jul/Aug/Sept 2024)

Permit Number: LP3731SU


Operator: BAE Systems Land Systems
(Munitions& Ordnance) Ltd

Installation: Glascoed Munitions Factory

Form Number: Waste Q3
Form Issue Date: 03/11/2006

Waste Description	Quantity Disposed (kg)	Disposal Route
Refractory Waste	1,250.0	n/a
Boiler Soot	0.0	n/a
Boiler Sludge	7.0	landfill
TOTAL	1,257.0	

Operator's comments

Signed 
BAE Systems
(authorised to sign as representative of Operator)

Date 31/01/2025

Reporting of Waste Disposal for Quarter 4 (Oct/Nov/Dec 2024)

Permit Number: LP3731SU

Operator: BAE Systems Land Systems
(Munitions& Ordnance) Ltd


Installation: Glascoed Munitions Factory

Form Number: Waste Q4
Form Issue Date: 03/11/2006

Waste Description	Quantity Disposed (kg)	Disposal Route
Refractory Waste	0.0	n/a
Boiler Soot	0.0	n/a
Boiler Sludge	0.0	n/a
TOTAL	0.0	

Operator's comments

Signed


BAE Systems
(authorised to sign as representative of Operator)

Date 31/01/2025