Permit Reference Number: EPR/NP3030BJ **Operator:** EnerSys Ltd

Facility: EnerSys Newport **Form Number:** A1

Reporting of Emissions to Air for the period from: 01/01/2024 – 31/12/2024

Emission Point	Substance / Parameter	Emission Limit Values	Reference Period	Result	Test Method [2]	Sample Date and Times [3]	Uncertainty [4]
A1	• Lead	• 1.0 mg /m^3	Spot Sample	0.15	BS EN 14385:2004	02/12/2024 10:15-11:15	<0.01
A2	• Lead	• 1.0 mg /m^3		0.07		20/12/2024 11:40-12:40	<0.01
A3	• Lead	• 1.0 mg /m^3		0.14		02/05/2024 10:21-11:20	±0.03
A63	• Lead	• 1.0 mg /m^3		0.62		02/10/2024 10:23-11:23	±0.02
A4	• Lead	• 0.75 mg /m^3		0.32		05/08/2024 13:35-14:07	±0.01
A6	• Lead	1.0 mg/m^3		0.10		01/08/2024 13:02-13:42	<0.01
A8	• Lead	1.0 mg/m^3		0.13		01/08/2024 14:07-14:47	<0.01
A9	Lead	0.75 mg/m^3		0.07		04/06/2024 10:49-11:29	<0.01
A10	• Lead	1.0 mg/m^3		0.02		02/08/2024 12:52-13:40	<0.01
A11	Lead	1.0 mg/m^3		0.07		02/05/2024 14:44-15:26	±0.01
A12	Lead	0.75 mg/m^3		0.07		05/08/2024 10:02-10:50	<0.01
A13	• Lead	1.0 mg/m^3		0.05		03/05/2024 10:11-10:51	±0.01

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases, the principal technique is stated, for example gas chromatography.

[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed [redacted] ……...…(authorised to sign as representative of the Operator)… Date…27/01/2025……..

Permit Reference Number: EPR/NP3030BJ

Operator: EnerSys Ltd

Facility: EnerSys Newport

Form Number: A1

Reporting of Emissions to Air for the period from: 01/01/2024 – 31/12/2024

Emission Point	Substance / Parameter	Emission Limit Values	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
A1	• Particulates	• 5.00 mg/m^3	Hourly Average	0.55	BS EN 13284-1	04/11/2024	±0.08
A2	• Particulates	• 5.00 mg/m^3	Hourly Average	0.24	BS EN 13284-1	20/12/2024	±0.09
A3	• Particulates	• 5.00 mg/m^3	Hourly Average	0.24	BS EN 13284-1	05/11/2024	±0.09

A4	• Particulates	• 5.000mg/m^3	Hourly Average	0.46	BS EN 13284-1	12/11/2024	±0.11
A6	• Particulates	• 5.000mg/m^3	Hourly Average	0.73	BS EN 13284-1	12/11/2024	±0.13
A8	• Particulates	• 5.000mg/m^3	Hourly Average	0.75	BS EN 13284-1	04/11/2024	±0.11
A9	• Particulates	5.00 mg/m^3	Hourly Average	0.47	BS EN 13284-1	07/11/2024	±0.10
A10	• Particulates	5.00 mg/m^3	Hourly Average	0.31	BS EN 13284-1	06/11/2024	±0.10
A11	Particulates	5.00 mg/m^3	Hourly Average	0.53	BS EN 13284-1	11/11/2024	±0.12
A12	• Particulates	5.00 mg/m^3	Hourly Average	0.29	BS EN 13284-1	08/11/2024	±0.10
A13	Particulates	5.00 mg/m^3	Hourly Average	0.70	BS EN 13284-1	07/11/2024	±0.11
A63	Particulates	5.00 mg/m^3	Hourly Average	0.65	BS EN 13284-1	11/11/2024	±0.10
	•						

Signed [redacted]……. …….. Date 27/01/2025……

(authorised to sign as representative of the Operator)

Permit Reference Number: ERP/NP3030BJ **Operator:** Enersys Ltd

Facility: Enersys Newport **Form Number:** W1

Reporting of Emissions to Water (other than to Sewer) for the period from: 01/01/2024 – 31/12/2024

Emissions to Water							
Emission Point	**Substance / Parameter**	**Emission Limit Value**	**Result [1]**	**Test Method [2]**	**Sample Date and Times [3]**	**Accreditation/ Certification [4]**	**Uncertainty [5]**
W1	Lead and its compounds	2.0mg/l [6]	34.8mg/l	WAS049	16/10/2024	ISO/IEC 17025:2005 UKAS1314	22.26%
W1	Flow	Not applicable					

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases, the principal technique is stated, for example gas chromatography.
[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
[4] The accreditation status of the equipment and/or monitoring organisation, as appropriate, for the methods used for both sampling and analysis
[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.
[6] The emission limit value is expressed as a maximum individual value and corrected to 273K, 101.3kPa.

Signed [redacted] Date…27/01/25……..(authorised to sign as representative of the Operator)

Permit Reference Number: ERP/NP3030BJ

Operator: Enersys Ltd

Facility: Enersys Newport

Form Number: S1

Reporting of Emissions to Sewer for the period from: 01/01/2024 – 31/12/2024

Emissions to Sewer							
Emission Point	**Substance / Parameter**	**Emission Limit Value**	**Result [1]**	**Test Method [2]**	**Sample Date and Times [3]**	**Accreditation/ Certification [4]**	**Uncertainty [5]**
S1	Lead and its compounds.	2mg/l [6]	1.76 mg/l	WAS049	24/01/2024	ISO/IEC 17025:2005 UKAS1314	22.26%
S1	pH	6-11 [7]	Min – 7.16 Max – 10.93	BS EN ISO 11885	07/02/2024 16/09/2024	N/A	
S1	Sulphates	Not applicable	474	WAS036	30/10/2024	ISO/IEC 17025:2005 UKAS1314	6.61%
S1	Suspended solids	Not applicable	47	WAS006	21/08/2024	ISO/IEC 17025:2005 UKAS1314	11.39%
S1	Flow	150,000 l/day	3,062,621	Continuous and bulk release	01/01/2024 – 31/12/2024	N/A	

[1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.
[2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with Natural Resources Wales is used, then the appropriate identifier is given. In other cases, the principal technique is stated, for example gas chromatography.
[3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
[4] The accreditation status of the equipment and/or monitoring organisation, as appropriate, for the methods used for both sampling and analysis
[5] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.
[6] The emission limit value is expressed as a maximum individual value and corrected to 273K, 101.3kPa.
[7] The emission limit values for pH are expressed as a maximum and minimum

Signed [redacted]..... Date…27/01/25.....(authorised to sign as representative of the Operator)

Permit Reference Number: ERP/NP3030BJ

Operator: Enersys Ltd

Facility: Enersys Newport

Form Number: R1

Reporting of Waste Disposal and Recovery for the year **01/01/2024 – 31/12/2024**

Waste Disposal & Recovery			
Waste Description	Disposal Route	Tonnes	Recovery Tonnes
1) Hazardous Wastes			
Lead Waste Streams	Smelting		1,974
Mixed Hazardous Load	D15 Storage pending D	14.73	
Oil and Water	D09 Physio-chemical treatment	117	
Acid	D09 Physio-chemical treatment	63.5	
Lead Contaminated PPE	R13 Storage pending R	68.52	
Chemical Waste	R03 and R13	6	
Total hazardous waste		269.75	1,974
2) Non-Hazardous Wastes			
Plastic Cases	Recycled		28.04
General Waste	Energy from waste		28.07
Cardboard	Recycled		48.65
Wood	Recycled		10.40
Metal	Recycled		29.21
Paper	Recycled	11.42	
Polythene	Recycled		7.74
Total non-hazardous waste		11.42	152.11
TOTAL WASTE		281.17	2,126.11

Trends in Waste Disposal and Recovery			
Year	Parameter		
	Named Waste	Total Waste	Waste per unit output
2019	ALL	4,751.15	0.182T/T
	RECOVERED	3,525.74	0.13T/T
	DISPOSAL	1,225.41	0.047T/T
2020	ALL	2,858.9	0.161T/T
	RECOVERED	2,423.04	0.137T/T
	DISPOSAL	435.86	0.025T/T
2021	ALL	3469.1	0.163T/T
	RECOVERED	3200.9	0.151T/T
	DISPOSAL	268.2	0.013T/T
2022	ALL	3122.37	0.14T/T
	RECOVERED	2806.53	0.13T/T
	DISPOSAL	315.84	0.014T/T
2023	ALL	2500.37	0.14T/T
	RECOVERED	2266.99	0.13T/T
	DISPOSAL	233.38	0.012T/T
2024	ALL	2407.28	0.12T/T
	RECOVERED	2126.11	0.10T/T
	DISPOSAL	281.17	0.013T/T

Operator's comments :
PRODUCTION OUTPUT IS 20,540.15 TONNES

Signed ..[redacted]..... **Date**...27/01/25.....**(authorised to sign as representative of the Operator)**

Permit Reference Number: NP3030BJ **Operator: Enersys Ltd**

Facility: Enersys Newport **Form Number:** WU1

Reporting of Water Usage for the year **01/01/2024 – 31/12/2024**

Water Usage		
Water Source	**Usage (m^3)**	**Specific Usage (m^3/t)**
Mains water	**30,626**	**1.49**
TOTAL WATER USAGE	30626	**1.49**

Trends in Water Usage			
Year	**Parameter**		
	Named Water source	**Total Water usage**	**Water per unit output**
2019		12230	0.47m^3/t
2020		21719	1.22 m^3/t
2021		35298	1.67 m^3/t
2022		35702	1.61 m^3/t
2023		45,479	2.5 m^3/t
2024		30,626	1.49 m^3/t

Operator's comments :

PRODUCTION OUTPUT IS 20,540.15 TONNES

Signed [redacted] ..... **Date**...27/01/2025.....**(authorised to sign as representative of the Operator)**

Permit Reference Number: ERP/NP3030BJ **Operator: Enersys Ltd**

Facility: Enersys Newport **Form Number:** E1

Reporting of Energy Usage for the year **01/01/2024 – 31/12/2024**

Energy Usage			
Energy Source	Energy Usage		CO_2 Produced (tonnes)
	Quantity (MWh)	Primary Energy (MWh)	
Electricity *	23,033.78	55,281.07	9182.90
Natural Gas	11,718.09	11,718.09	2227.77
Gas Oil	0	0	0
Heavy Fuel Oil	0	0	0
TOTAL	34,751.87	66,999.16	11,410.67

*** Conversion factor for delivered electricity to primary energy = Q x 2.4**

Trends in Energy Usage			
Year	Parameter		
	Primary Energy usage	CO_2 produced	CO_2 per unit output
2019	79403.7	13523.6	0.5186T/T
2020	63766.84	10871.4	0.6141T/T
2021	73565.93	12598.1	0.5947T/T
2022	70683.28	12038.66	0.5414T/T
2023	65,724.95	11241.28	0.6202T/T
2024	66,999.16	11410.67	0.5555T/T

Operator's comments :

ELECTRICITY CO2 PRODUCED = 55281.07 / 6.02
GAS CO2 PRODUCED = 11718.09 / 5.26
PRODUCTION TONNAGE = 20,540.15

Signed [redacted] **Date**...27/01/25..... **(authorised to sign as representative of the Operator)**

Permit Reference Number: ERP/NP3030BJ **Operator: Enersys Ltd**

Facility: Enersys Newport **Form Number:** PI1

Reporting of Performance Indicators for the year **01/01/2024 – 31/12/2024**

Annual Production/Treatment	
Production of Battery Products	**20,540.15** Tonnes

Environmental Performance Indicators

Performance Indicators		
Parameter	**Annual Average**	**Units**
Energy Use	**1691**	**kWh/tonne**
Potable water use	**1.49**	**m3/tonne**
Waste disposed	**0.013**	**T/tonne**
Waste recovered	**0.10**	**T/tonne**
Mass lead released	**0.003**	**Kg/tonne**

Trends in Environmental Performance

Year	**Parameter**				
	Potable water use	**Energy Use**	**Waste Disposed**	**Waste recovered**	**Mass lead released**
2019	0.47m³/t	1579kWh/T	1225.41 Tonnes	3525.74Tonnes	95.5Kg
2020	1.22 m³/t	1884kWh/T	435.86 Tonnes	2423.04 Tonnes	79.02Kg
2021	1.67 m³/t	1880kWh/T	268.2 Tonnes	3200.90 Tonnes	36.29Kg
2022	1.61 m³/t	1650kWh/T	315.84 Tonnes	2806.53 Tonnes	89.35Kg
2023	2.5 m³/t	1945kWh/T	233.38 Tonnes	2266.99 Tonnes	95.15Kg
2024	1.49 m³/t	1691kWh/T	281.17 Tonnes	2126.11 Tonnes	73.16Kg

Operator's comments :

Production Tonnage is 20,540.15

Signed [redacted]..... **Date**...27/01/2025.....**(authorised to sign as representative of the Operator)**