

Operator: EnerSys Limited

Form Number: R1

Waste Disposal & Recovery				
Waste Description	Route	Disposal		Recovery Tonnes
			Tonnes	
1) Hazardous Wastes				
Lead Waste Stream	Smelting			2600
Mixed Hazardous Load	D15 Storage pending D	27.03		
Oil and Water	D09 Physico-chemical treatment	35		
Acid	D09 Physico-chemical treatment	88.26		
Lead contaminated PPE	R13 Storage pending R	45.3		
Chemical Waste	R03 and R13	34.51		
Total hazardous waste		230.1		2600
2) Non-Hazardous Wastes				
Plastic Cases	Recycled			21.4
General Waste	Energy from waste			18.8
Cardboard	Recycled			86.6
Wood	Recycled	27.39		37.3
Metal	Recycled			33.3
Separator Paper	Recycled			13.2
Polythene	Recycled			14.0
Total non-hazardous waste		27.39		224.6
TOTAL WASTE	3082.09	257.49		2824.6

Operator's comments: PRODUCTION OUTPUT IS 24637 TONNES

Date.....24/01/2019.....

[illegible]

Operator: EnerSys Limited

Form Number: WU1

Reporting of Water Usage for the year....2018....

Water Usage		
Water Source	Usage (m ³)	Specific Usage (m ³ /t)
Mains Water	24892	1.01m ³
TOTAL WATER USAGE	24892	

Trends in Water Usage				
Year	Parameter			Water per unit output
	Named Source	Water	Total Usage	
2012			68640	3.4 m ³ /t
2013			60532	2.86 m ³ /t
2014			47225	1.93 m ³ /t
2015			37463	1.80m ³ /t
2016			22460	1.15m ³ /t
2017			19056	0.82m ³ /t
2018			24892	1.01m ³ /t

Operator's comments:

PRODUCTION OUTPUT IS 24637 TONNES

Signed _____

Date.....24/01/2019.....

Permit Number: EPR/NP3030BJ

Operator: EnerSys Limited

Facility: EnerSys Newport

Form Number: E1

Reporting of Energy Usage for the year.....2018....

Energy Source	Energy Usage		CO ₂ Produced (tonnes)
	Quantity	Primary (MWh)	
Electricity*	26401.8MWh	63364.3MWh	10525.6
Natural Gas	14292.1MWh	14292.1MWh	2717.1
Gas Oil	0 tonnes		
Heavy Fuel Oil	0 tonnes		
TOTAL	40693.9MWh	77656.4MWh	13242.7Tonnes

Trends in Energy Usage			
Year	Parameter	Energy Usage	CO ₂ produced
2011	Primary Usage	79334.97	13533
2012		87673.58	14037.67
2013		77719.43	13258.59
2014		84830.98	14441.93
2015		77982.9	13282.0
2016		73253.6	12522.5
2017		74500.3	12712.6
2018		77656.4	13242.7

* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments :

ELECTRICITY CO₂ PRODUCED = 63364.3/6.02 = 10525.6

GAS CO₂ PRODUCED = 14292.1/5.26 = 2717.1

PRODUCTION TONNAGE = 24637 TONNES

Signed

Date.....24/01/2019.....

Permit Number: EPR/NP3030BJ

Operator: EnerSys Limited

Facility: EnerSys Newport

Form Number: PI1

Reporting of Performance Indicators for the year....2018....

Annual Production/Treatment	
Production of battery Products	24637 Tonnes

Environmental Performance Indicators

Performance Indicators		
Parameter	Annual Average	Units
Energy Use	1652	kWh/tonne
Potable water use	1.01	m ³ /tonne
Waste disposed	0.010	T/tonne
Waste recovered	0.115	T/tonne
Mass lead released	0.009	T/tonne

Trends in Environmental Performance					
Year	Parameter	Potable water use	Energy use	Waste Disposed	Waste recovered
2011		3.5 m ³ /t	2208 kWh/T	205.04 Tonnes	4553.77 Tonnes
2012		3.4 m ³ /t	2189 kWh/T	179.95 Tonnes	4907.54 Tonnes
2013		2.88m ³ /t	1926 kWh/T	118.72Tonnes	5046.69 Tonnes
2014		1.93m ³ /t	1789 kWh/T	37.85Tonnes	3707.63 Tonnes
2015		1.80m ³ /t	1962kWh/T	202Tonnes	3078.20Tonnes
2016		1.15m ³ /t	2005kWh/T	163Tonnes	2527.43Tonnes
2017		0.82m ³ /t	1697kWh/T	147.6Tonnes	2929.68Tonnes
2018		1.01m ³ /t	1652kWh/T	257.5Tonnes	2824.60Tonnes

Operator's comments:

2018 higher result of mass lead released accredited to higher overall production and lower overall performance of the stacks.

Signed

Date.....24/01/2019.....