



REVIEW OF MONITORING AND ASSESSMENT AT POETON CARDIFF 2023

This review is undertaken to comply with condition 4.2.2(a) of our environmental permit no. BP1772IZ.

Throughout 2023 we have seen a major upturn in work, and we are exceeding pre-covid levels (38.79% increase in number of parts processed & 51.28% increase in turnover for site, based against 2022 figures). This is expected to continue throughout 2024. The increased workload has enabled us to continue recruiting and increase staff levels, again as input of work increases further staff levels will increase in line with this.

Year	Employees
2022	72
2023	74

Water Use:

Year	Total water use	Operational Hours	M3 water /op. hour
2022	27081	6400	4.23
2023	29007	6400	4.53

Our water consumption has increased on the previous year, we believe this is in line with the major increase in production seen throughout 2023. We are remaining vigilant with regards to staff training, and we undertook a few energy saving projects in 2023 (addition of croffles to heated process tanks). Without the projects we would have seen a greater increase in water usage.

Waste:

Waste	Haz waste (tonnes)	Recycled (Tonnes)
2022	48.9	17.0
2023	49.44	28.99

Waste consigned has slightly increased in 2023, but we have continued with a high level of waste being recycled. The high level of hazardous waste is a continuation of us removing waste that had built up, major increase in production and processing solutions that have had to be changed in order to adhere to customer specifications / requirements. The senior special projects engineer running our lab has been tasked with managing this more effectively by control of stock and reducing / limiting where possible waste generated. Recycled Solvents were approx. 1.75 tonnes, recycled scrap and empty drums were approx. 2.274 tonnes, recycling consigned through Biffa 20.49 tonnes, and Haz waste recycling consigned through CSG 4.47 tonnes.

We continue to reuse packaging where possible and we are encouraging customers to use bespoke packaging for their parts, so they can be sent back in the packaging they came in. There will be a further

drive in 2024 to further segregate recycling waste and general waste in line with Welsh Government requirements.

Energy Use:

Year	Primary Energy (MWh)	Energy/op hour	Co2	Co2/op hour
2022	3292.0	0.51	559.8	0.087
2023	3366.6	0.52	572.4	0.089

More efficient equipment and lighting continues to be installed when upgrades take place in line with continual improvement projects, along with ensuring equipment that is not being used is turned off. This is having a positive impact on our energy usage. Energy usage has increased slightly again this year, but this is to be expected when taken into context with the increased production throughout 2023. Energy saving projects will be rolled out in 2024 dependant on successful trial at our Gloucester site.

Mass Release:

Year	Cadmium (Kg)	Mercury (mg)
2022	5.99	0.002
2023	8.40	0.002

Phase 1 upgrades to the ETP are underway, this will enable us to continue to comply with our permit and increase controls around our effluent. An application for permit variation is being drawn up and is due to be submitted in the next few weeks. Phase 2 work on the ETP will follow on straight after phase 1 finishes.


(HSE & Facilities Manager)