



REVIEW OF MONITORING AND ASSESSMENT AT POETON CARDIFF 2024

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

Throughout 2024 we have seen a change in the type of work being processed, and we have still managed to improve on turnover. (25.0% decrease overall in number of parts processed, due to a transfer of large batches of small part work to our Poland site for one of our customers. This work has been replaced by larger parts which require similar energy consumption with less quantity. Even with this reduction in overall parts we have still managed a 4.3% increase in turnover for site, based against 2023 figures). This is expected to continue throughout 2024. Despite the decrease in the number of parts processed, the increased turnover has allowed us to carry on recruiting.

Year	Employees
2023	74
2024	82

Water Use:

Year	Total water use	Operational Hours	M3 water /op. hour
2023	29007	6400	4.53
2024	23763	6400	3.71

Our water consumption has decreased on the previous year, this is due to increased awareness of operators managing the water use better (i.e. switching off rinses when not needed). The energy saving projects undertaken over the last two years have also helped with this (addition of croffles to heated process tanks). We are looking to expand on this over the next year by adding in water control systems.

Waste:

Waste	Haz waste (tonnes)	Recycled (Tonnes)
2023	49.44	28.99
2024	31.63	21.9

Waste consigned has decreased in 2024, and we have continued with a high level of waste being recycled. The reduction of hazardous waste is because of better management by the senior special projects engineer, whilst adhering to customer specifications / requirements. The senior special projects engineer is effectively controlling stock and reducing / limiting where possible waste generated. We do have some waste build up in the bund that will be disposed of in 2025. Recycled Solvents were approx. 1.80 tonnes, recycled scrap and

empty drums were approx. 2.19 tonnes, recycling consigned through Biffa 14.49 tonnes, and Haz waste recycling consigned through CSG 3.42 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.

Energy Use:

Year	Primary Energy (MWh)	Energy/op hour	Co2	Co2/op hour
2023	3366.6	0.52	572.4	0.089
2024	3510.9	0.54	597.0	0.093

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 turnover. A wet and gloomy summer season didn't help with as we had to use the heaters in the paint areas to control humidity, along with extra energy usage from lighting and heating across site for safety and staff comfort. Energy saving projects continue to be looked at and will be rolled out throughout 2025.

Mass Release:

Year	Cadmium (Kg)	Mercury (mg)
2023	8.40	0.002
2024	4.76	0.002

Phase 1 upgrades to the ETP are near completion with Phase 2 imminent, this will enable us to continue to comply with our permit and increase controls around our effluent. A major plus for 2024 is that we seem to have cd under far better control, as results show we are at around half of 2023 release levels and better than 2022 levels. Application for permit variation is being drawn up and is due to be submitted in the next few weeks.


(HSE & Facilities Manager)