Performance Report

Company Name:	Tradebe (Gwent) Ltd
Facility Name:	Bridgend Waste Management Centre
Facility Address:	Factory Lane Bridgend South Wales CF35 5BQ
Permit Number:	NP3233XX
Activity Performance Report:	01/01/22 – 31/12/22

c. Review of Monitoring Results

The following measures are monitored on a routine basis as a requirement of the permit. (These do not constitute a complete list of all the monitoring carried out as part of management of the site).

i. Trade Effluent Discharges

Final effluent discharges pass through flow meters, which record the instantaneous flow rate (ls^{-1}), and the cumulative total flow (m^3) and a GLS auto sampler which takes a time-proportional composite sample over the discharge period. The composite sample is analysed in the site laboratory and is also taken to our Gwent site laboratory for further analysis using an ICP. Quarterly composite samples from all our final effluent discharge samples are produced and analysed in house, both on site and again at Gwent, and also send a to an outside accredited Lab for further cross reference. These results are recorded on site and used for monitoring and reporting purposes. The trade effluent discharge is also sampled on a regular and random basis by Welsh Water, both for compliance and charging purposes.

NRW report S1 is completed and has been submitted to NRW through 2022.

The effluent discharge monitoring and management systems achieved MCerts recertification 22nd March 2021, with renewal required March 2026. The flow meters are included in our site PPM system and undergo external verification annually. These are up to date with records on our shared drive and available for audit.

ii. Waste Inputs and Outputs

Waste inputs and outputs are monitored on a daily and item by item basis. The SAP system run by Tradebe across all facilities in all countries is fully integrated and controls waste enquiries, inputs, stock, financial data and analysis from cradle to grave. Reports of waste inputs and outputs are compiled and submitted to NRW as the site returns on a quarterly basis.

b. Improvement Targets (from Management System)

The installation of solar panels was reviewed and considered in 2022, however at the time was not considered to be economically viable, with continued energy price increases this will be reviewed again in 2023. A H1 assessment was carried at in 2022 which has highlighted the need for further modelling, this work has been commissioned for Q1 2023.

c. Annual Production / Treatment Data

The data required by table S5.2 of the site Permit has been reported to NRW on a quarterly basis via the waste returns. The data submitted therein was:

Total waste received approximately	26,631te
Recovered Oil approximately	97.0te
Sludge Produced and disposed off site approximately	189.2te
Effluent Discharged to sewer	26,175te

d. Performance Parameters

Energy usage is reported using form Energy 1 and emailed to NRW.

Water usage is reported using WaterUsage1 form and emailed to NRW.

Performance Indicators are reported using the supplied form and email to NRW.

Raw materials: The site purchases two different raw materials which are used as treatment reagents: ferric chloride solution, for both pH adjustment and grey water treatment in the DAF plant, and a polyelectrolyte to aid with clarification.

Polyelectrolyte usage is minimal, with 1 x 1000 litre IBC lasting the site in excess of 12 months.
Ferric chloride & Polyelectrolyte usage is below:

Raw Material	**Usage 2022 (kg)**	**Specific Usage (kg / tonne)**
Ferric chloride	25,632	0.96
Polyelectrolyte	450	0.017

e. Site Contamination / Decontamination Notes

No contamination events occurred within 2022.

Alex Morris
Site Manager
Bridgend WMC
Tradebe Ltd
17/02/2023