Company Name:	Tradebe (Gwent) Ltd		
Facility Name:	Gwent Waste Management Centre		
Facility Address:	Corporation Road Newport South Wales NP19 4RD		
Permit Number:	SP3531SK	Issue Date:	26/06/06
Variation Notice:	EA/EPR/SP3531SK/V009	Issue Date:	28/06/21
Activity Performance Report:	01/01/24 – 31/12/24		

a. 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

Trade Effluent generated by the treatment process is directed into two settlement tanks prior to overflow into the onsite drain for discharge into the local sewer. The Trade Effluent is discharged through a Siemens Magflo meter, which records the instantaneous flow rate (m^3/hr^{-1}), the cumulative total flow (m^3) and an Aquamatic auto sampler which takes a flow-proportional composite sample over the discharge period (24 hrs). The composite sample is analysed in house once per weekday when effluent is discharged. The composite sample is also sampled weekly by Welsh Water.

NRW report S1 records the high/low analytical results in each quarter and have been submitted to NRW through 2024.

Total effluent produced: 76,393 m^3
Effluent produced per unit: 0.992m^3 / te

The effluent discharge monitoring and management systems achieved MCERTs re-certification on May 2022 with most recent audit undertaken Mar 2024, re-certification is due May 2027. The Magflo meter is included in our site PPMS system and receives an annual third-party verification and annual service from an outside contractor.

ii. Site Scrubber Monitoring

The site has three scrubbers that are checked on a daily basis for both alkalinity/acidity and pH and this is used to monitor performance. The results are reported for review at the daily morning meetings and also reported to NRW every six months as a permit requirement via form SC1.

iii. Waste Inputs and Outputs

Waste inputs and outputs are monitored and tracked using SAP which is the system of choice used by Tradebe across all facilities in all countries. It is a fully integrated system 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. In summary:

Inputs	**Hazardous (te)**	**Non-Hazardous (te)**
Treatment Plant	46,335.00	24,912.55
Transfer Station	7,098.88	3744.73
Outputs		
Third Party Disposal	1,459	14,023
Landfill	0	12,752

Quantities are measured by means of the site weighbridge, which is calibrated annually by an external contractor. In 2024 this was carried out in September.

iv. Filtercake Outputs

Filtercake is produced in batches from the treatment process, which is the site's single largest solid output. The ratio of tonnes filtercake produced per tonne of waste treated is a good indicator of both operational and environmental efficiency but is variable dependent upon the types of waste being treated e.g. metal salt, sulphate, phosphate rich wastes will produce more filtercake when compared to landfill leachates or other less-contaminated effluents. The ratio for the last few years is given in the table below and 0.25 is considered an ideal figure:

Year	2016	2017	2018	2019	2020	2021	2022	2023	2024
te filtercake/tonne waste	0.22	0.16	0.14	0.14	0.17	0.17	0.18	0.17	0.17

2024 continued with the trend of the previous 3 years with increases in the volume of wastes that had low solids coupled with more caustic waste streams that required less lime for neutralisation and stricter controls on coagulant usage, resulting in proportionally less filter cake produced per tonne of waste. This accounts for the ongoing reduction of te filtercake/tonne waste through 2024.

b. Annual Improvement Targets (from Management System)

The site upgraded a 20-year-old air compressor with a new more energy efficient compressor pushing forward with the sites energy reduction plan.

Over 90% of all lighting on site has been changed to LED with LUX or PIR control where appropriate.

The site also invested in an AOX analyser to allow testing of effluent and carried out first round of air emission monitoring in line with the waste treatment BreF.

c. Annual Production / Treatment Data

The data required by table S5.2 of the site Permit has been reported to NRW on form PI1 in Jan 23. In addition, waste returns are submitted to NRW on a quarterly basis in an electronic format. The data submitted therein was:

Total waste received	71,247te
Treatment residues disposed to non-hazardous landfill	12,752 te
Treatment residues disposed to hazardous landfill	0 te

d. Performance Parameters

As stated in section (c) above, form PI1 was submitted to NRW for the reporting period. The environmental performance indicators given on this form are:

Effluent discharged to sewer	76,393	m^3
Water used	9,196	m^3
Non-hazardous waste sent out	14,023	te
Hazardous waste sent out	1,459	te

e. Site Contamination / Decontamination Notes

No contamination events occurred within 2024

[redacted]
GWMC Site Manager
04 Feb 25