**United Utilities Water Limited**
Haweswater House
Lingley Mere Business Park
Lingley Green Avenue
Great Sankey
Warrington WA5 3LP

Telephone: 01925 237000

unitedutilities.com

**Our ref:** EIR/ID1019
**Date:** 27/10/2026
**Email:** EIRRequests@uuplc.co.uk

Dear [redacted]

Thank you for your request for environmental information. We appreciate your interest, and we want to let you know that your request has been carefully considered in accordance with the Environmental Information Regulations (EIR).

**Your request**

I am looking for odour source locations, areas and emissions for the Widnes Wastewater Treatment works please.

**Our response**

Please find attached a map of Widnes Wastewater Treatment Works (WwTW) with labelled process stages, this can be found in Appendix A. We have provided the key information required for an odour dispersion model for Widnes WwTW in the tables below. This includes the treatment processes that are considered potential odour sources, together with representative odour emission rates and indicative source dimensions or surface areas. Please note that the dimensions provided should be considered indicative.

**UU database emission rates**

| **Asset** | ***Average*** $OU_E/m^2/s$ | ***85%ile*** $OU_E/m^2/s$ |
|---|---|---|
| Preliminary Treatment Area | 8.49 | 11.96 |
| Primary Settlement | 10.02 | 15.27 |
| Selector Tank (anoxic) | 2.3 | 4.38 |
| Secondary Treatment (Orbals) | 1.47 | 1.9 |
| Secondary Treatment (FBDA) AX 1 | 2.3 | 4.38 |
| Secondary Treatment (FBDA) AE1-AE2 | 1.9 | 3.00 |
| Secondary Treatment (FBDA) AE3-AE4 | 0.9 | 1.00 |
| Final Settlement Tanks | 1.17 | 1.8 |

| | | |
|---|---|---|
| OCU | 8,015m3/hr ~11,000 OUe/$m^3$ | ~4.0.m stack 14m/s efflux |

**Process Unit sizing**

| Process unit | Indicative size |
|---|---|
| Preliminary Treatment Area Inlet works | ~562$m^2$ |
| PST feed channels | ~66$m^2$ |
| PSTs 2No. each | 19m*57m |
| Orbals | ~2,100$m^2$ each |
| FBDA ASP | See Appendix B* |
| FSTs | 3no. 31m diameter |

*indicative sizes for the FDBA activated sludge plant can be found in Appendix B.

We hope that this response answers your request. However, if you're not satisfied with how we've handled it, you can request an internal review. To do this, please write to us at Environmental Information Office, Haweswater House, Lingley Mere, Warrington, WA5 3LP or email us at EIRRequests@uuplc.co.uk, addressing your request to [redacted], and explaining why you're unhappy with our response. We'll be very happy to review your request and ensure we've done everything we can to assist you.

Any request for an internal review should be made within 40 working days of receipt of this response, and we will reply within 40 working days from receipt of the request for internal review.

Many thanks