

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). As your request contained a number of specific questions, this response, restates each part of the request (in bold) and then follows this with our response:

We understand that our site's wastewater is managed by United Utilities, and we require confirmation of several key points as part of our ongoing environmental compliance.

This request has been made by our Principal Environmental Consultant in support of our Environmental Permit application, so it is vital that we obtain accurate and complete information from you.

For reference, our Trade Reference Number is: [REDACTED]

Could you please provide the following information for our site:

1. Wastewater Routing- Destination Treatment Works

- **Which wastewater treatment works (WWTW) does our site discharge to?**

Your site discharges to Liverpool Wastewater Treatment Works (WwTW).

- **If multiple networks, intermediate pumping stations, or catchments are involved, please confirm the routing pathway where possible.**

Flows for the catchment go into the network known as the Mersey Estuary Pollution Alleviation System (MEPAS) before arriving at the works. This takes waste from the whole of the Liverpool region.

2. Treatment Works Details

For the WWTW that receives our wastewater, please confirm:

- **The full name and address of the facility**

Liverpool WwTW, Sandon Dock, Regent Road, Liverpool, Merseyside, L3 0BE.

- **Any relevant reference codes, catchment names, or site identifiers**

The site does not have any reference codes, catchment names or site identifiers.

3. Treatment Process Information

We also require a high-level overview of:

- **How our wastewater is treated at that site (e.g. screening, primary settlement, biological/secondary treatment, tertiary processes, sludge handling, etc.)**

I have included a high-level overview of the treatment process below, which I hope you will find useful.

1. **Inlet** – All flows on the inlet enter the works from the MEPAS. Flows are captured in the North and South approach channels, where they are pumped through eight inlet pumps (This is dependent on received flows, not all eight will run simultaneously in most cases).
2. **Preliminary Treatment** – From the inlet pumps, flows are pumped into the screening building. There are eight screens, dedicated to each inlet pump (the channels are interchangeable to move flows through different screens). The effluent off the screens is then passed through four detritors for grit removal. From here, the flows are then received in the flow split pumping station, where flows are lifted with three screw pumps. Flows are then split into two channels. This pumping station (PS) is where we will spill to storm tanks if required. The removals from both the screenings and grit removal are dewatered via compactors/classifiers. The remaining is then removed from site via skips.
3. **Primary Treatment** – We have six primary settlement tanks (PST) on site. Sludge will settle and is de-sludged over to the unscreened sludge tank. Effluent flows are pumped over to the next stage of treatment.
4. **Secondary Treatment** – We have 16 sequencing batch reactor (SBR) basins on site. These aerate, settle and remove sludge via sludge pumps. The sludge is pumped over to the thickening Process. This is where our final effluent is decanted.
5. **Storm** – We have 2 x storm tanks.
6. **Sludge Treatment** – Primary sludge is moved from the unscreened sludge tank through 3 sludge screens. The sludge is screened and then taken for thickening. We have three rotating drum thickeners (RDTs) which thicken the sludge with polyelectrolyte. This is then pumped over to blending tanks ready to be moved to the digestors. The sludge is removed from the SBR is thickened using six RDTs. This again is moved over to the blending tanks to mix with the primary sludge, ready for digestion. We have four primary digesters and four secondary digesters at Liverpool WwTW. Sludge is treated in the digesters before being pumped over to Shell Green.
7. **Odour Control** – All of site is covered by three odour control units. Two of these are carbon filters, the other is a trickling filter system

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



We'd love to hear your feedback on how we handled your request! If you have a moment, please complete our short survey [here](#) – your input helps us improve our service.