

# Northern Line Extension

## QUARTERLY UPDATE

January-March 2018

### Battersea Power Station

Thank you for your patience whilst we continue with the Northern Line Extension (NLE) works near you. We would like to update you on where we are and what is planned over the next couple of months.

#### What has been completed:

In December 2017 we completed the primary works (installation of structural beams) at basement level -2 in the station box area, which will be the future ticket hall.

All excavation works in the station box have been completed and we are three quarters of the way through the base slab construction. Due to the scale of this concrete work, we will continue with early morning concrete pours that can potentially run late into the night. For each of these pours, we will notify residents beforehand. We anticipate completing this phase of work by the end of February

Following the completion of tunnelling and the dismantling process of the tunnel boring machines (TBM's), the tunnel engineers handed the cross over box back to the station team. Construction has now recommenced which consists of installing the permanent columns, beams and concrete slabs that will eventually turn the box into a water tight structure.

We have removed the tower crane located in the cross over box as well as the high angle conveyor that was used to remove muck from the tunnels to the barges where it was transported along the river. We finished removing muck by river in early January when the final barge left the site; See Fig 1. below. Transporting by river has removed 46, 957 lorry movements from London's roads, this adds up to 10,262,029 miles or 21 trips to the moon, with a total CO2 emission saving of 2,640 tonnes.

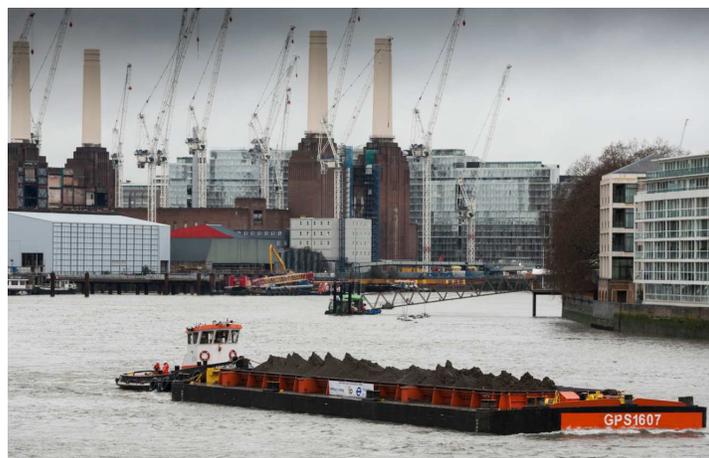


Fig. 1 Final Barge leaving the Battersea NLE site

Please see overleaf

## What is planned:

We continue with construction work throughout the station box which includes building the station platform using pre-cast concrete elements as well as working on the secondary structures such as the columns, floors and walls. You will notice a large tower crane on site that is used for lifting materials to facilitate these works. A second similar crane will be installed at the opposite end of the station box in two weeks' time. These machines will only be in operation during core working hours.

Heading east to the cross over box area, we will continue with the column construction. See Fig 2. below.



Fig 2.



Fig 3.

To the far east of the crossover box towards Kirtling Street, 20 m below ground level, we continue with the installation of secondary lining within the launch tunnels. This activity involves fitting a waterproof membrane (as seen in Fig 3 above) to the tunnel walls which is then coated with a second layer of concrete, sealing the tunnel from potential water intrusion.

Our core working hours are **08:00 to 18:00** Monday to Friday and **08:00 to 13:00** Saturdays on the surface.  
For deliveries we may also use shoulder hours of **07:00 to 08:00** and **18:00 to 19:00**.

Working hours are **24/7** for all tunnel works.

Should you have any queries or concerns regarding the NLE project, please do not hesitate to contact us at [nle@tfl.gov.uk](mailto:nle@tfl.gov.uk) or call:

**NLE 24/7 Helpline on 0343 222 2424 (Option 1)**