

KIRTLING STREET & HEATHWALL PUMPING STATION COMMUNITY LIAISON WORKING GROUP

25 January 2021



Tideway



Virtual CLWG

Welcome to our third virtual CLWG meeting for Kirtling Street and Heathwall Pumping Station. To help this meeting run smoothly:

- Please can you mute your microphone while the team are presenting, there will be opportunities for questions after each site update.
- If you have a question, please select 'raise your hand' in the tool bar (see below) in the middle of your screen, or comment in the 'conversation' box and we'll ask you to unmute yourself to ask the team your question.



- These meetings are generally clearer if you're wearing headphones or earphones.

Enjoy the meeting

Agenda

- Welcome, Apologies and Minutes 10 mins
- Heathwall Pumping Station site progress and environmental update 10 mins
Community Feedback 10 mins
- Kirtling Street site progress and environmental update 10 mins
Community Feedback 10 mins
- Community relations 10 mins
- Q&A – Open Discussion 30 mins

HEATHWALL PUMPING STATION UPDATE

Rob Cleary
Site Agent

Heathwall Pumping Station Overview

Nine Elms Lane

Site Offices

Combined Sewer
Outlet (CSO)
Shaft

Cofferdam

Heathwall Pumping
Station (HPS) Shaft



Shaft & Tunnels Progress

Tunnels

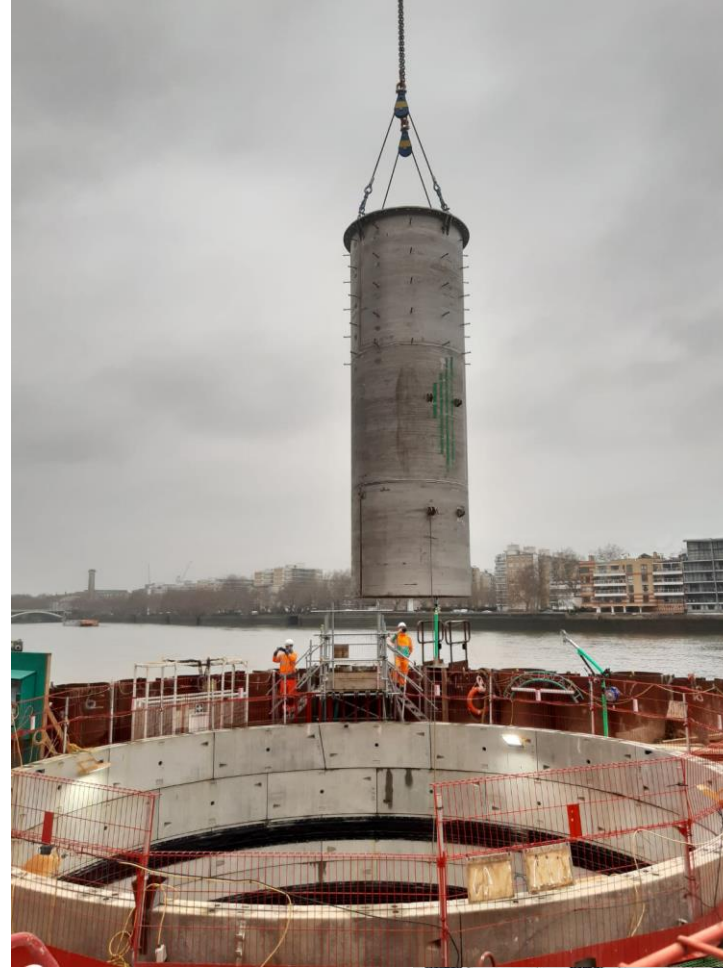
- Both the connection culvert and connection tunnel are now completed. Secondary lining of both were completed end of 2020.

Shafts

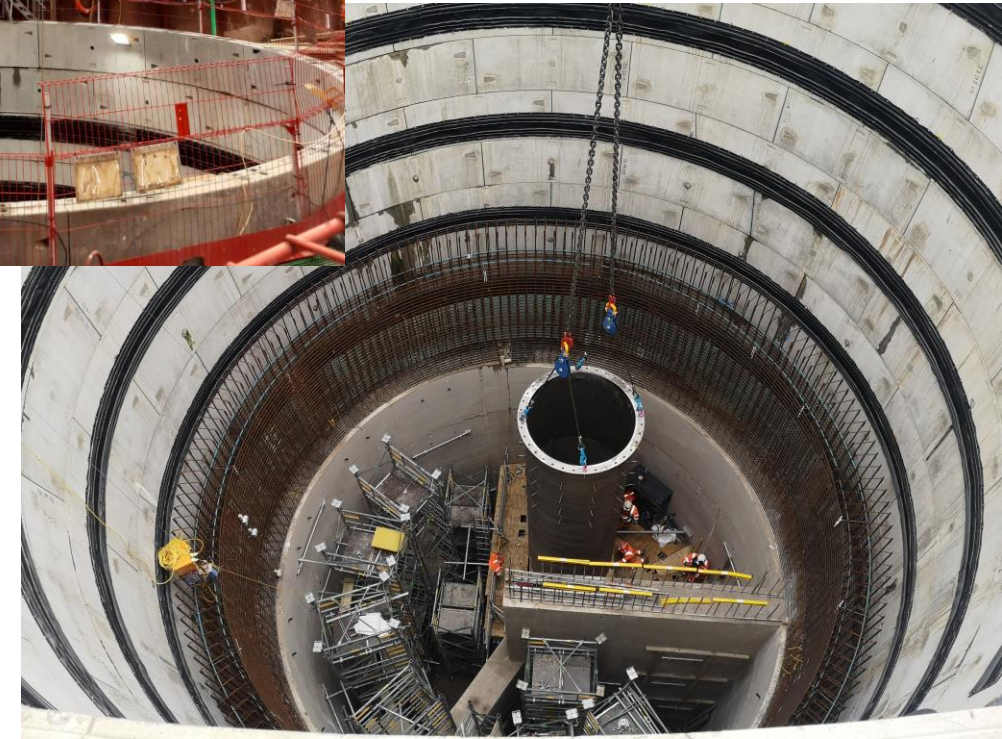
- Secondary lining and internal works progressing within the Heathwall Pumping Station (HPS) shaft.
- The first installation of a stainless steel vortex element across central section of the project has been completed.
- The combined sewer overflow (CSO) shaft waterproofing is nearing completion (night works). The secondary lining around the tunnel portal is complete. We are now progressing with the secondary lining jump-form works.

Battersea Barge

- Battersea Barge modification works are completed and the asset has been handed over to the Client



Heathwall Pumping Station (HPS) shaft Vortex installation



Heathwall Pumping 3-month lookahead

- HPS shaft secondary lining & internals works to continue
- CSO shaft secondary lining jump-form works to continue
- South West Storm Relief (SWSR) sewer modification works. These will be tidal and therefore shifts will vary

Working Hours

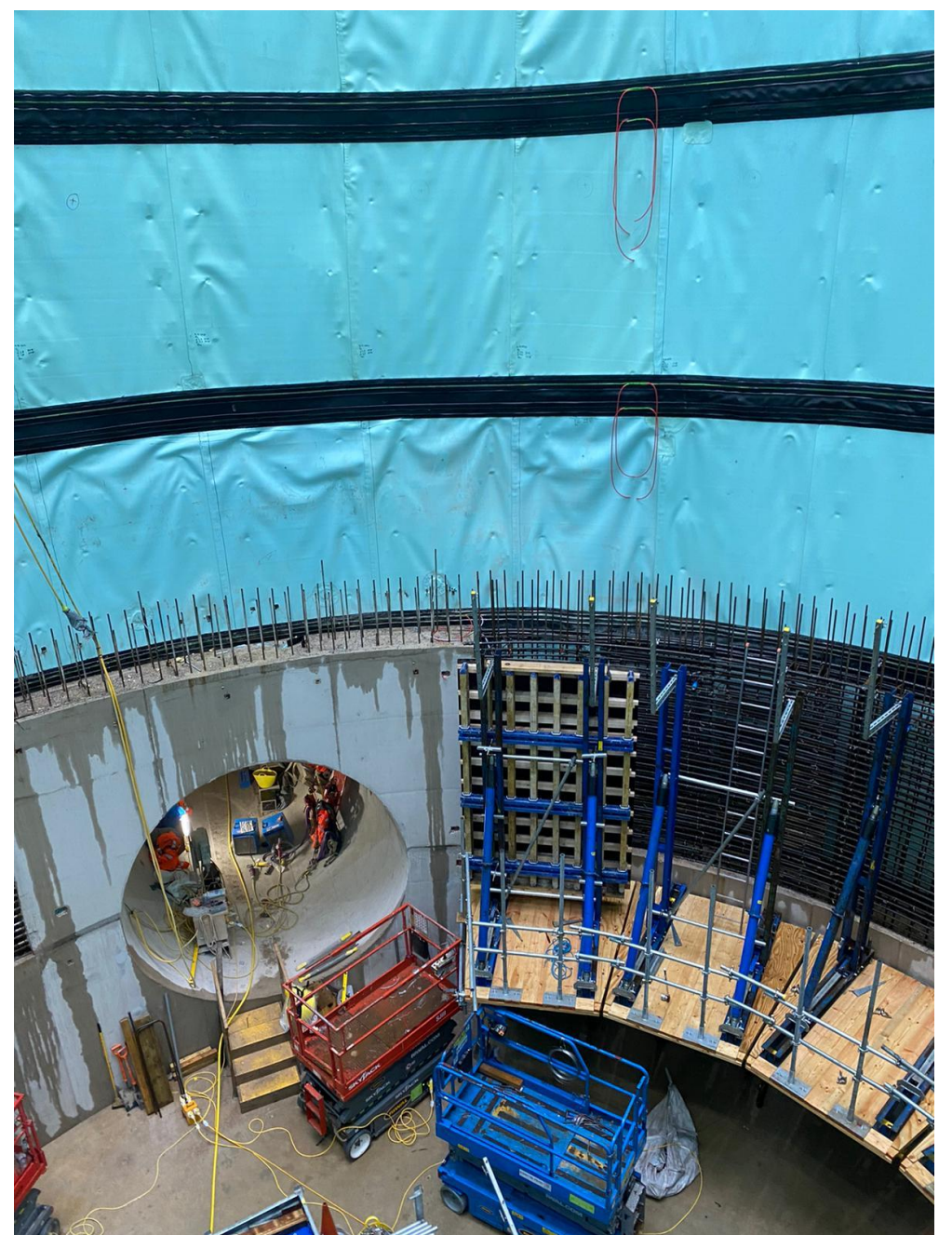
Standard hours will be;

Monday to Friday: Day shifts - 7am to 6pm

Monday to Friday: Night shifts - 7pm to 7am*

Saturday 07:00 – 17:00

**Note: SWSR modification works may differ slightly*



CSO shaft – start of secondary lining jumpform

Target Programme

[illegible]

HEATHWALL PUMPING STATION ENVIRONMENT UPDATE

Iram Mirza
Site Environmental Lead

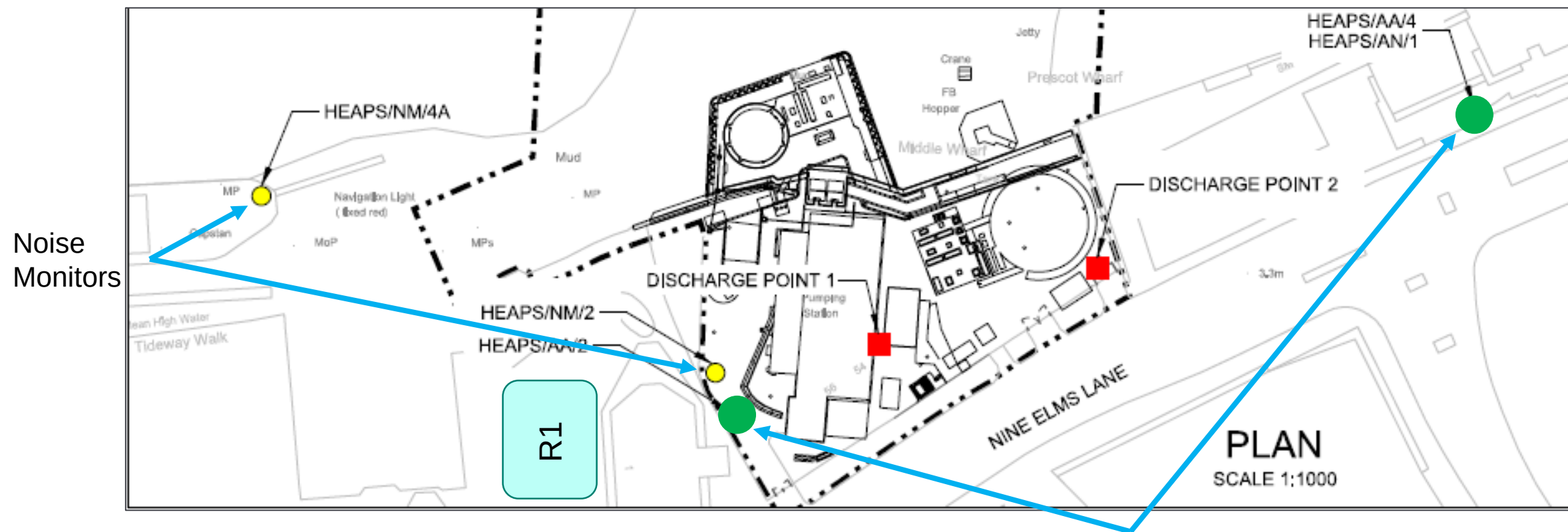
How we are managing the site

- West crane replaced with EU emissions stage 4 crane, resulting in lower emissions
- EU emissions stage V mini-crane with better emission controls
- Tower Crane replaced diesel crane
- New Electric jet wash used on site
- Noise from ventilation minimised
- Radio headsets used by key operatives
- Acoustic blankets used on site
- Briefings with site team on being mindful of noise
- Dedicated road sweeper both in and out of site



HEAPS West crane

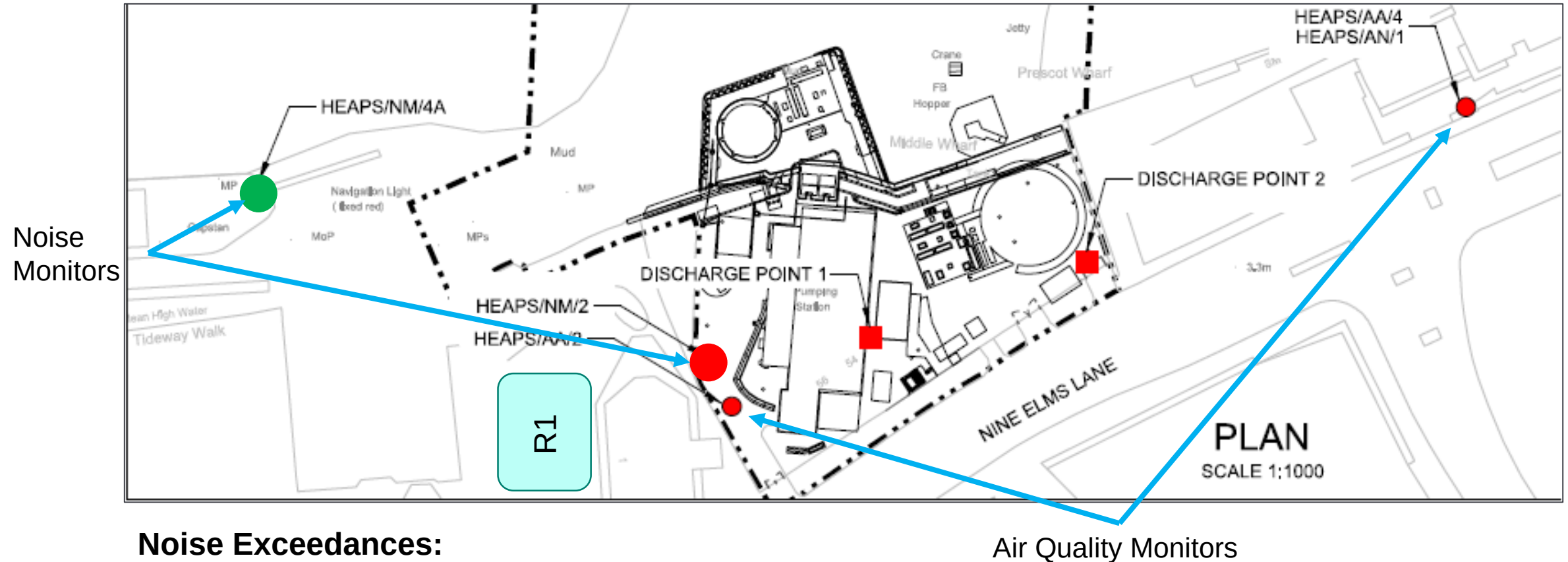
Heathwall Pumping Station Air Quality



Air Quality Exceedance:

- 2 on 21 Oct 20 – not related to Tideway works

Heathwall Pumping Station Noise



Noise Exceedances:

- 20 Nov 20 – caused by shuttering works close by
- 21 Nov 20 - caused by shuttering works close by

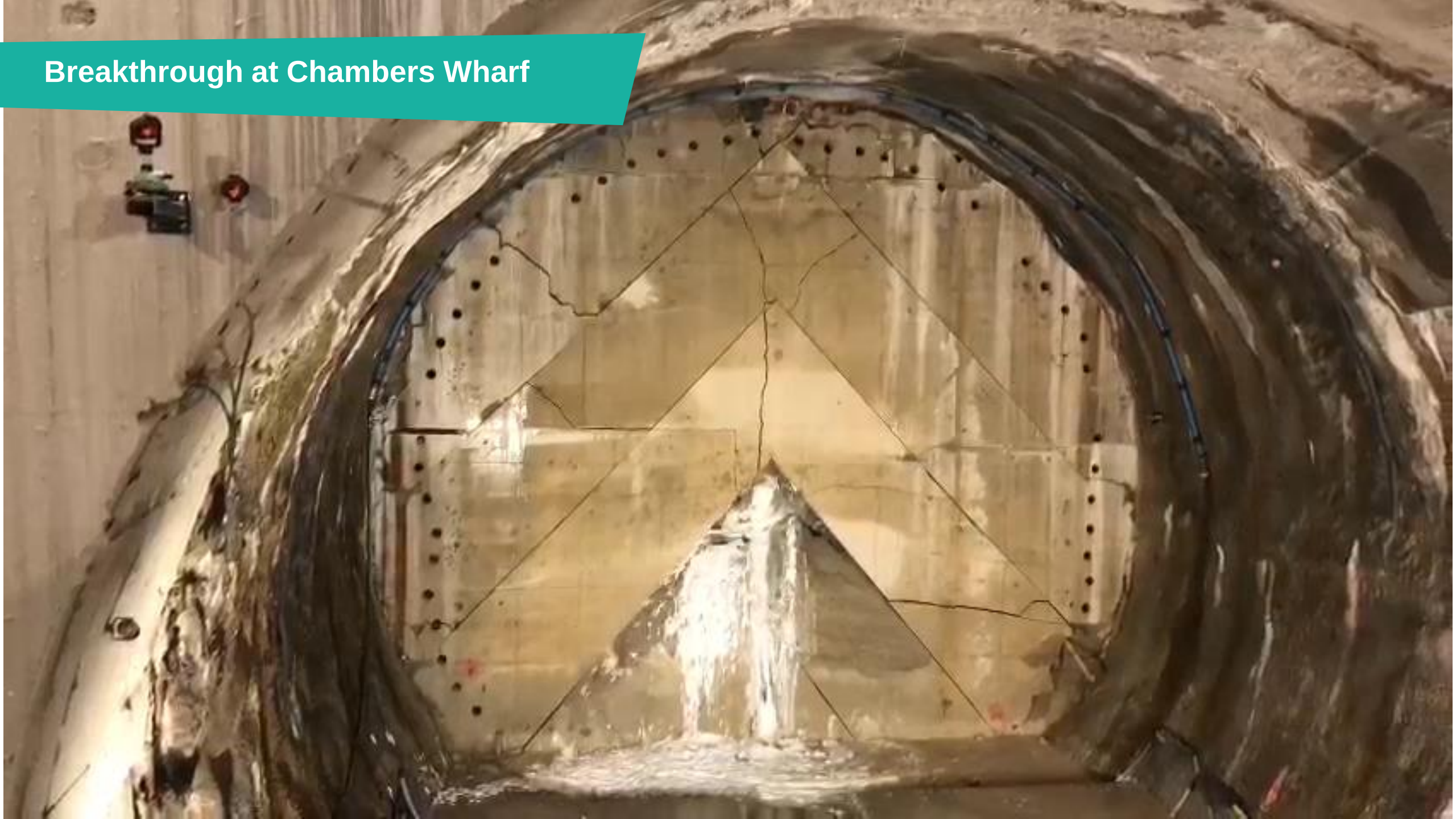
KIRTLING STREET UPDATE

Noel Cooper
Tunnel Project Manager

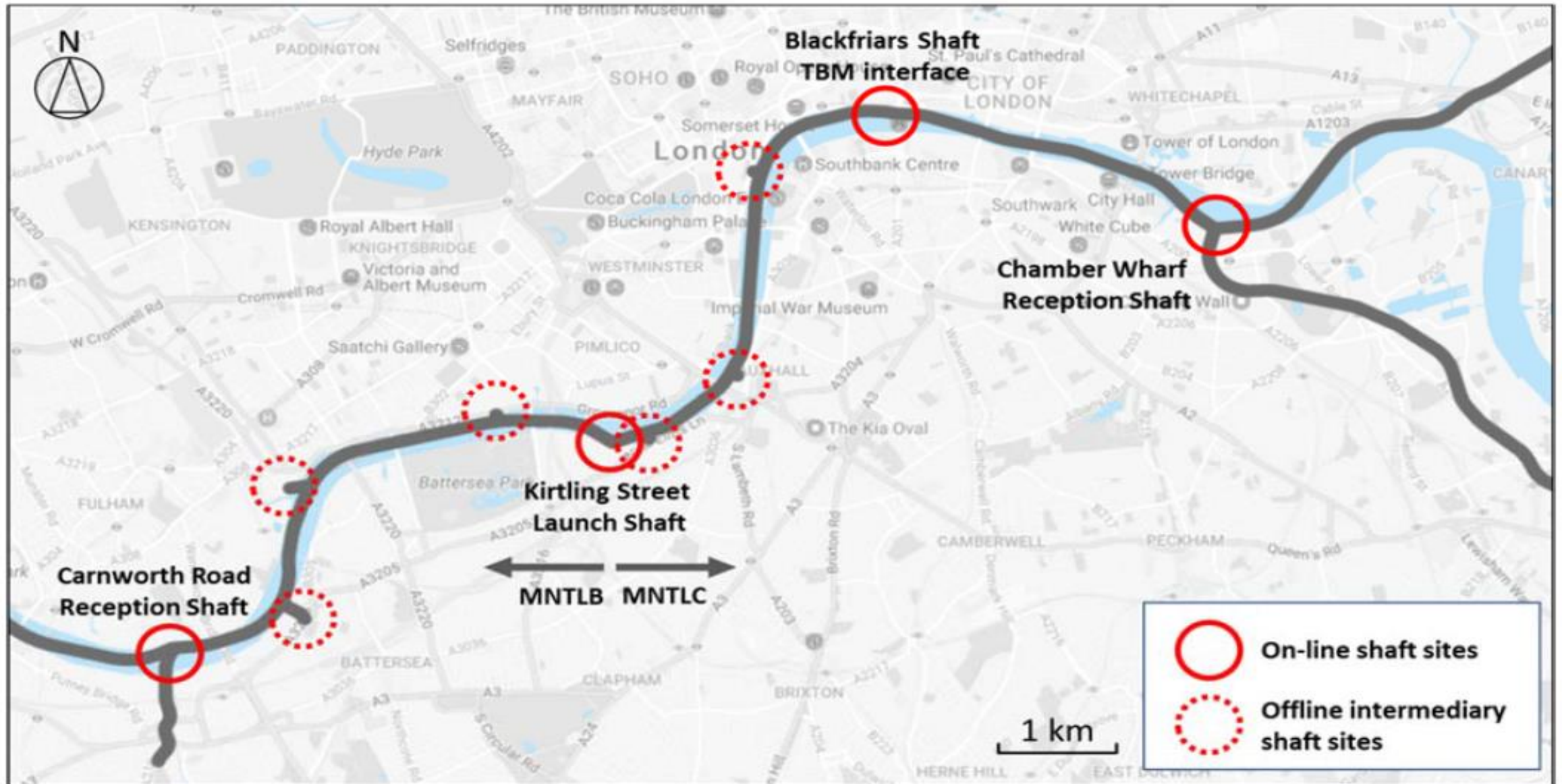
TBM Ursula Breakthrough – 30 Nov 20



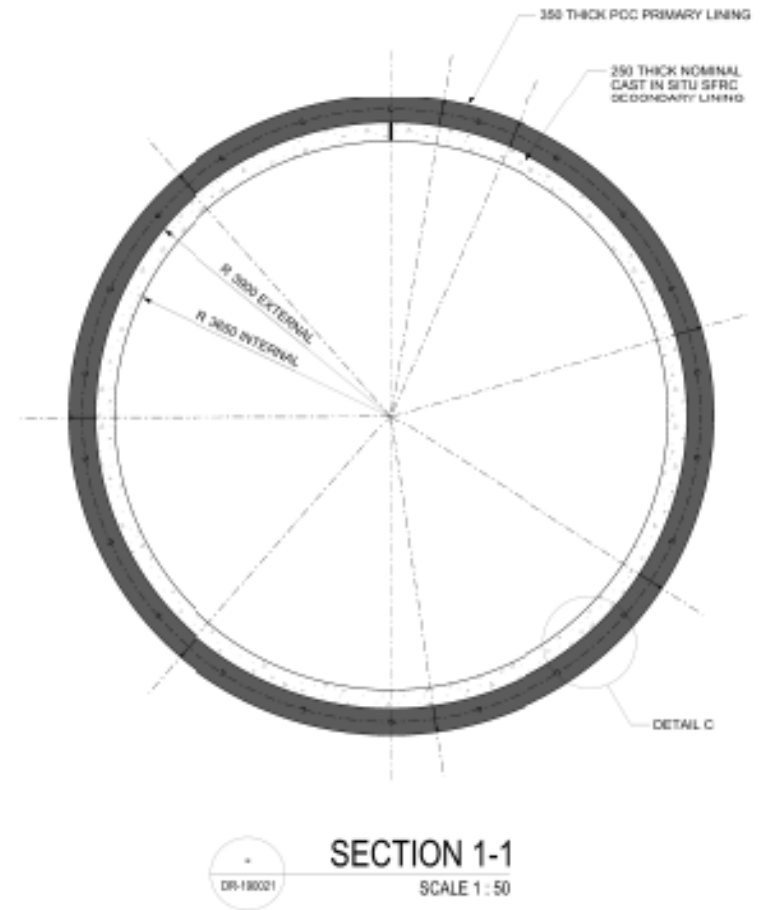
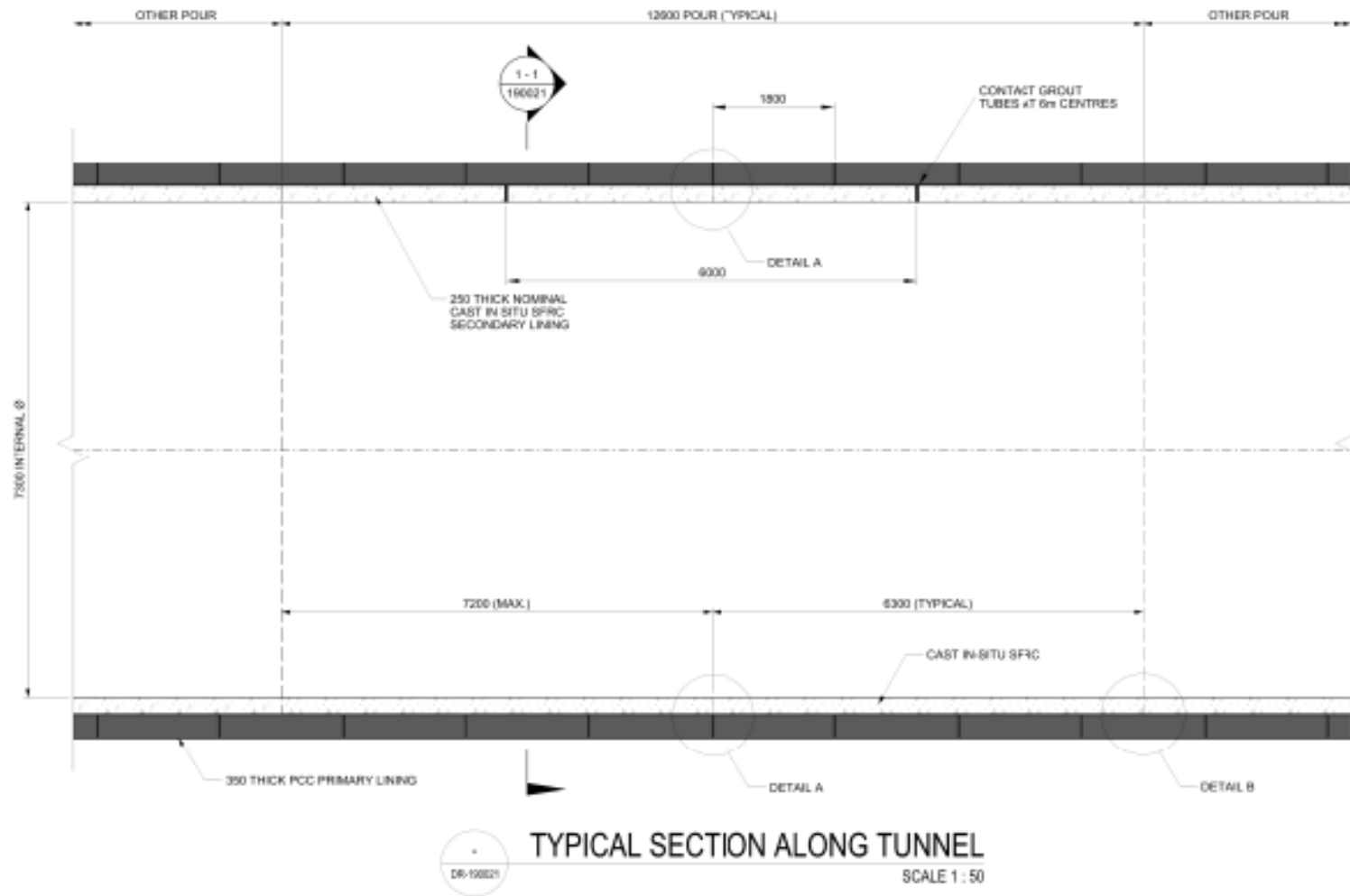
Breakthrough at Chambers Wharf



Secondary Lining Objective



Secondary Lining Objective

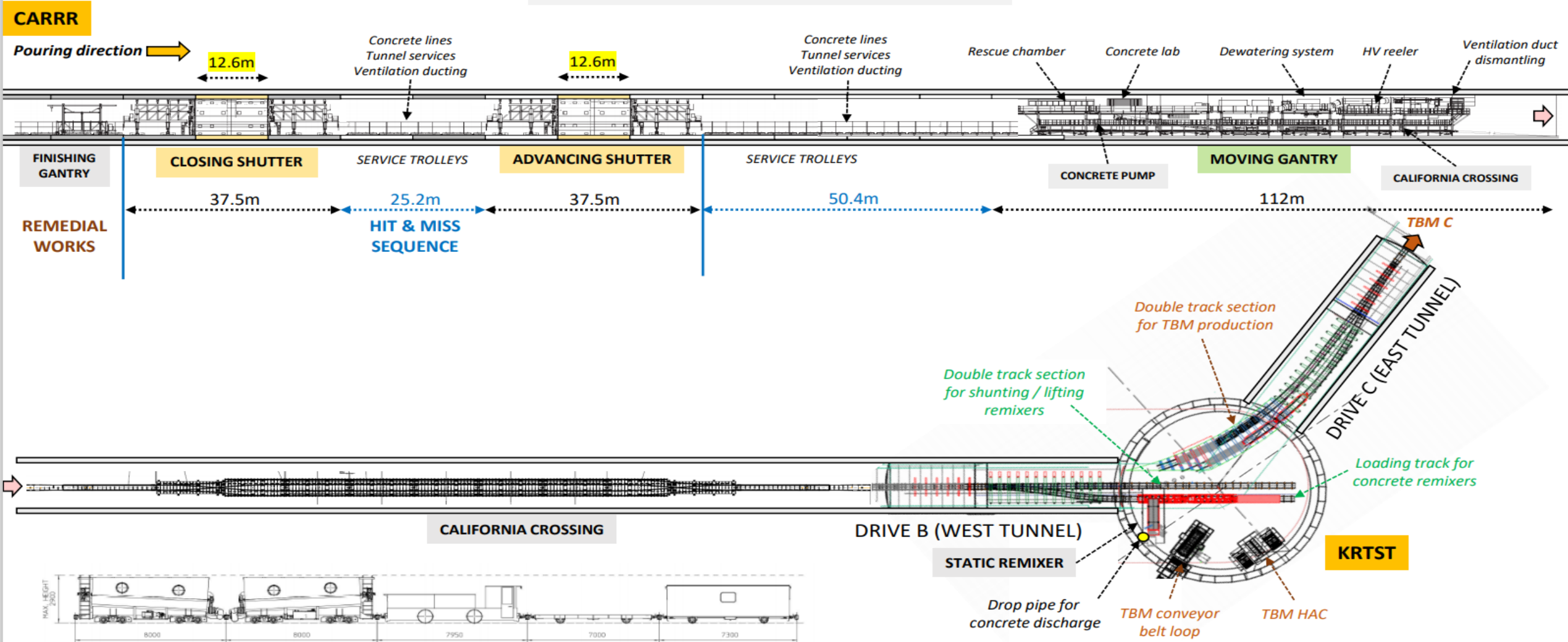


Key surface site activities – Sec Lining



Key underground activities – Sec Lining

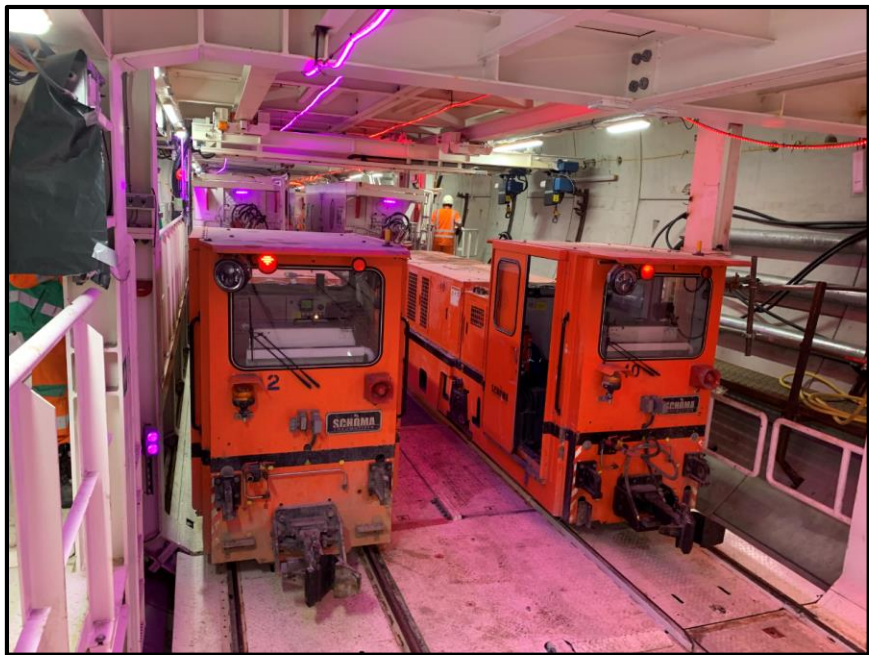
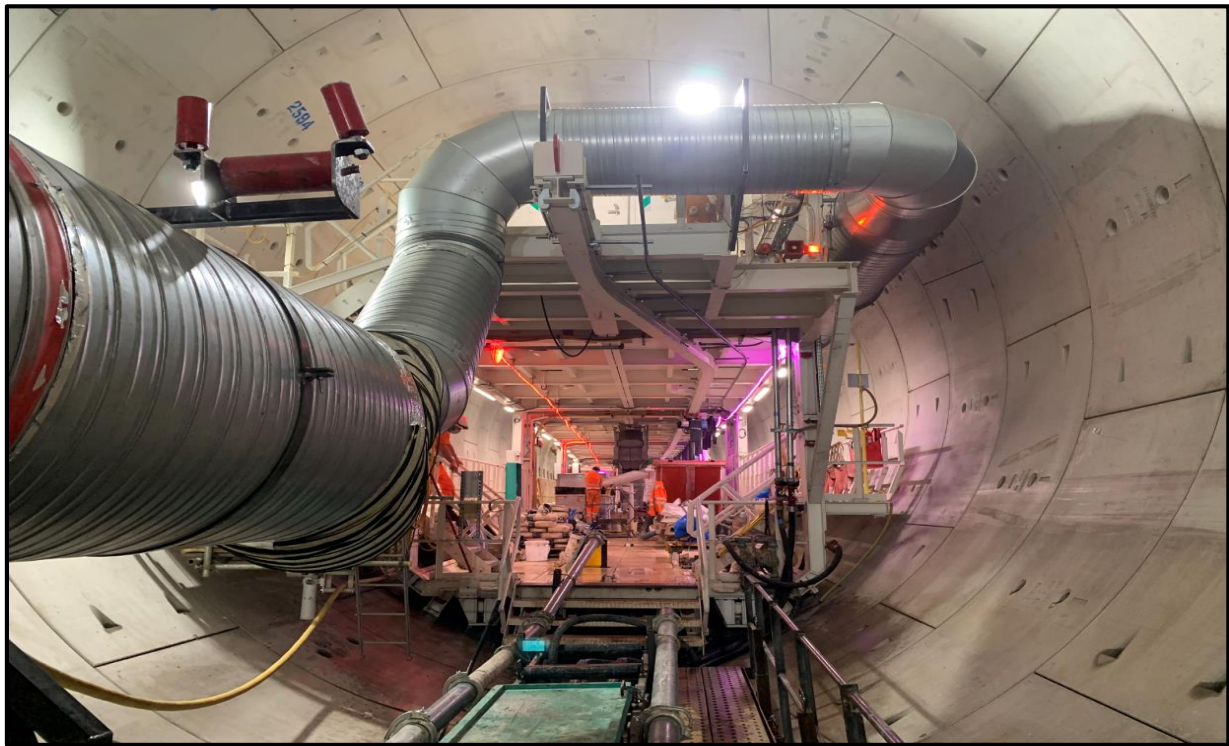
SECONDARY LINING CONFIGURATION - DRIVE B -



Secondary Lining Casting







Target Programme

[illegible]

KIRTLING STREET ENVIRONMENT UPDATE

Iram Mirza
Site Environmental Lead

How we are managing the site

- 100% of the tunnel's excavated material was sent by barge for beneficial reuse.
- Acoustically clad secondary lining concrete batching plant located away from nearest receptors.
- Aggregate barge deliveries restricted to dayshifts.
- Secondary lining thickness reduced in design stage, saving carbon and reducing the number of deliveries.
- Low emitting EU emissions stage 4 crane utilised to conduct secondary lining shutters' works.
- On site maintenance workshop; regular maintenance and servicing of plant internally and externally in line with guidance.
- Posters placed around site reminding all to be mindful of neighbours by keeping noise levels down.
- Dedicated road sweeper both inside and outside site.



Secondary Lining - Concrete Shutter

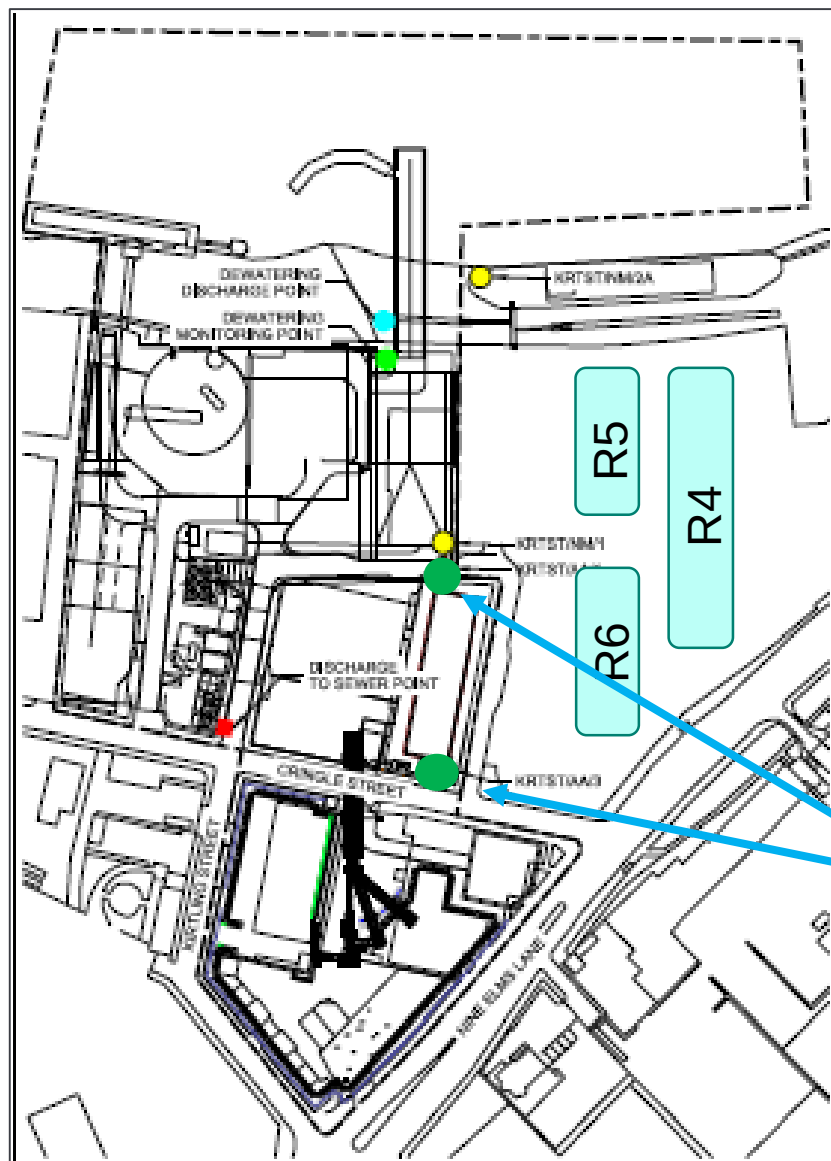
Protecting the Environment

The main tunnelling in the Central section took 2 years

- Our main tunnels are a combined 12.6km
- We removed 1.7 million tonnes of spoil from the tunnels
- We used 1,300 barges to take the spoil by river to a centre in Essex for beneficial reuse
- This took 94,000 lorries off the roads



Kirtling Street Air Quality Monitoring



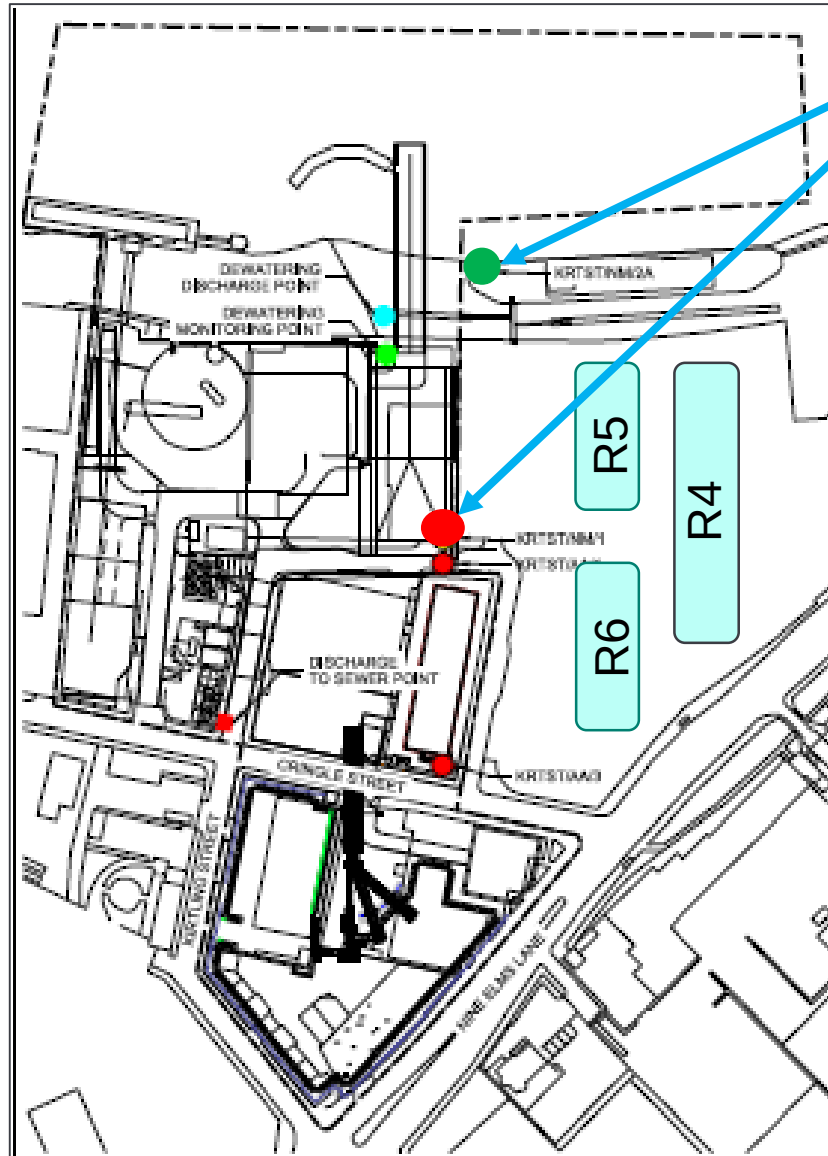
Noise Monitors

Air Quality Exceedances:

- None

Air Quality Monitors

Kirtling Street Noise Monitoring



Noise Monitors

Noise Exceedance:

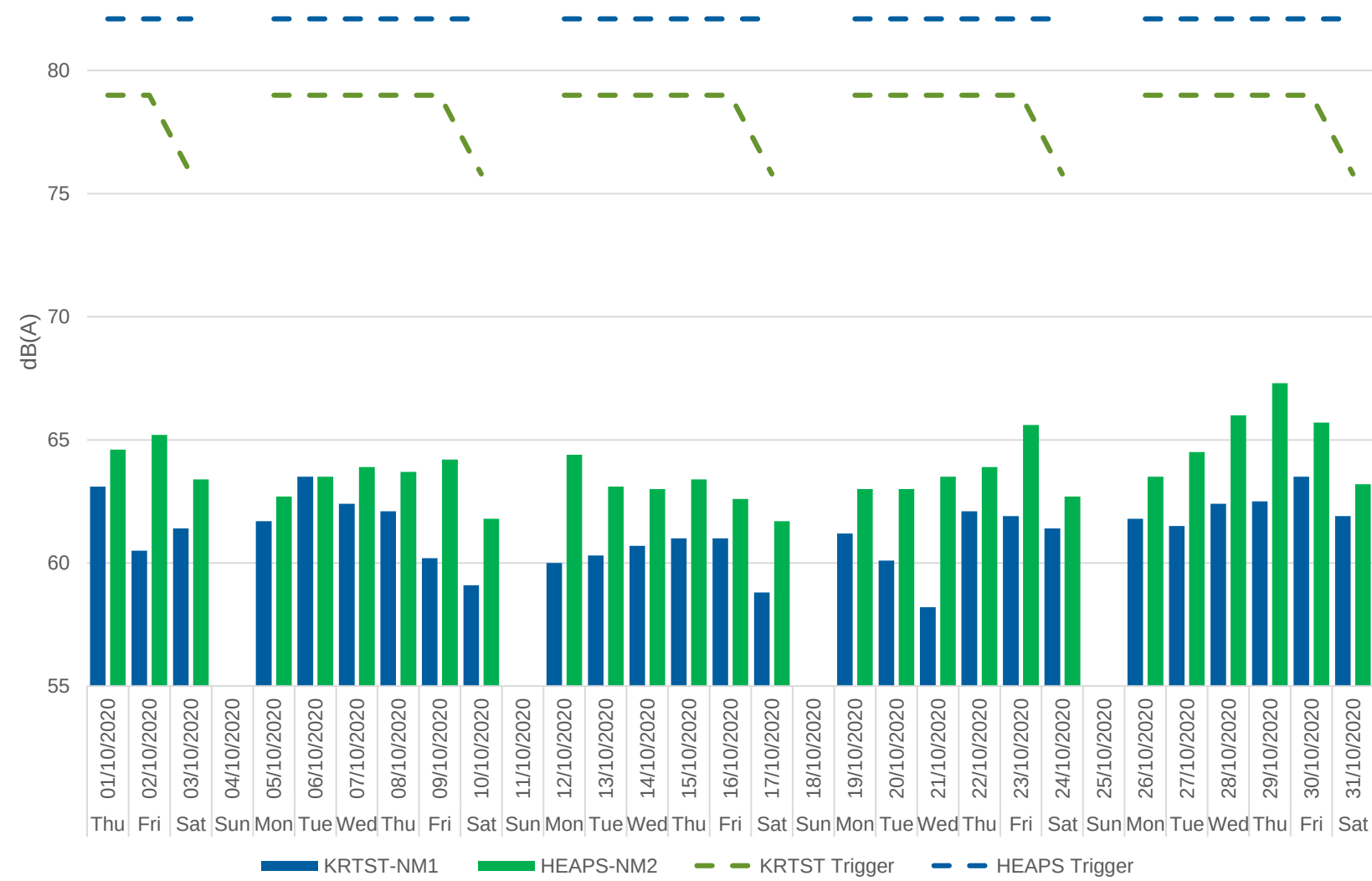
- 28 Nov 20 – dried conveyor caused screeching noise

Air Quality Monitors

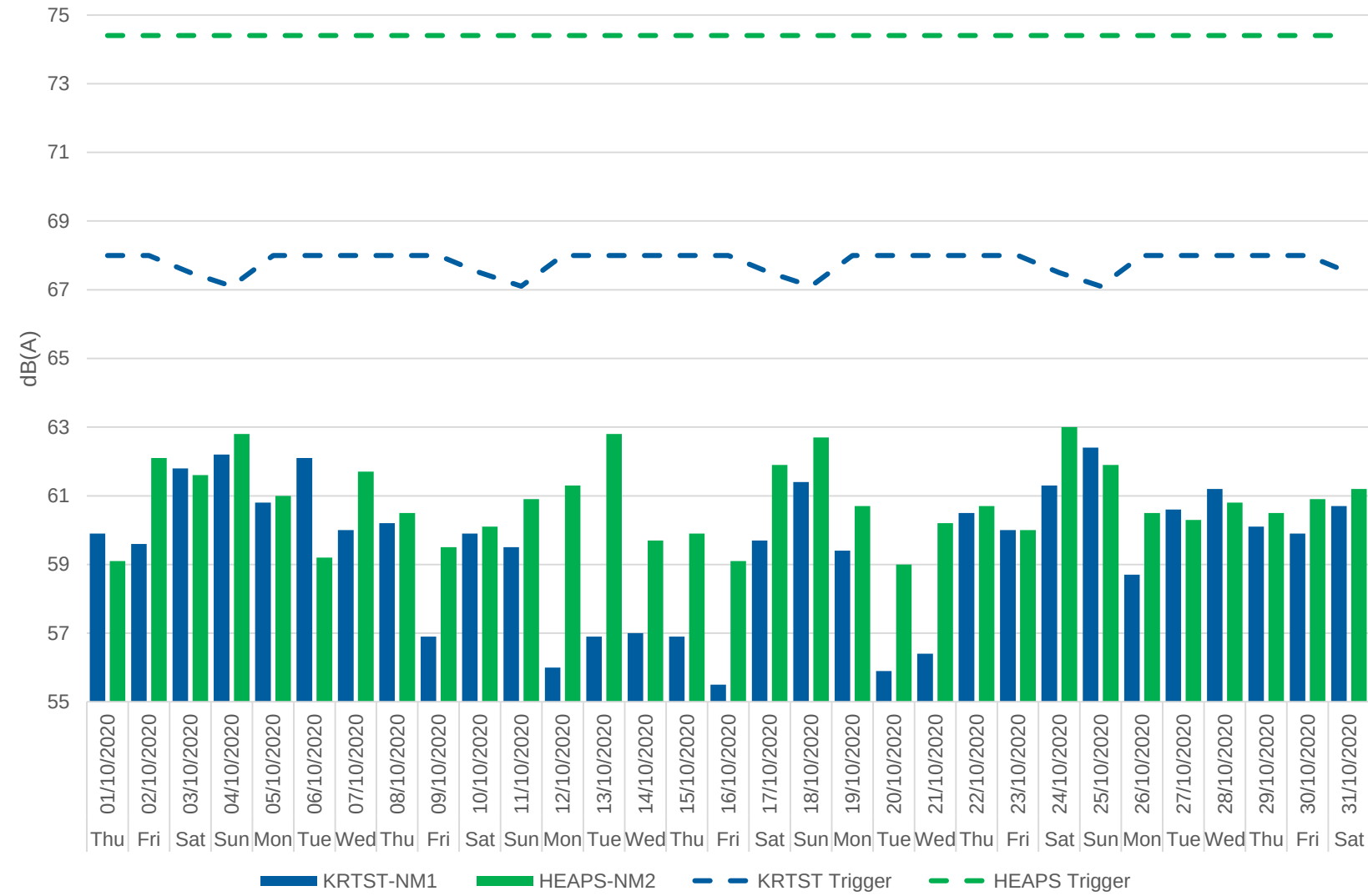
NOISE DATA
OCT-DEC 2020

Iram Mirza
Site Environmental Lead

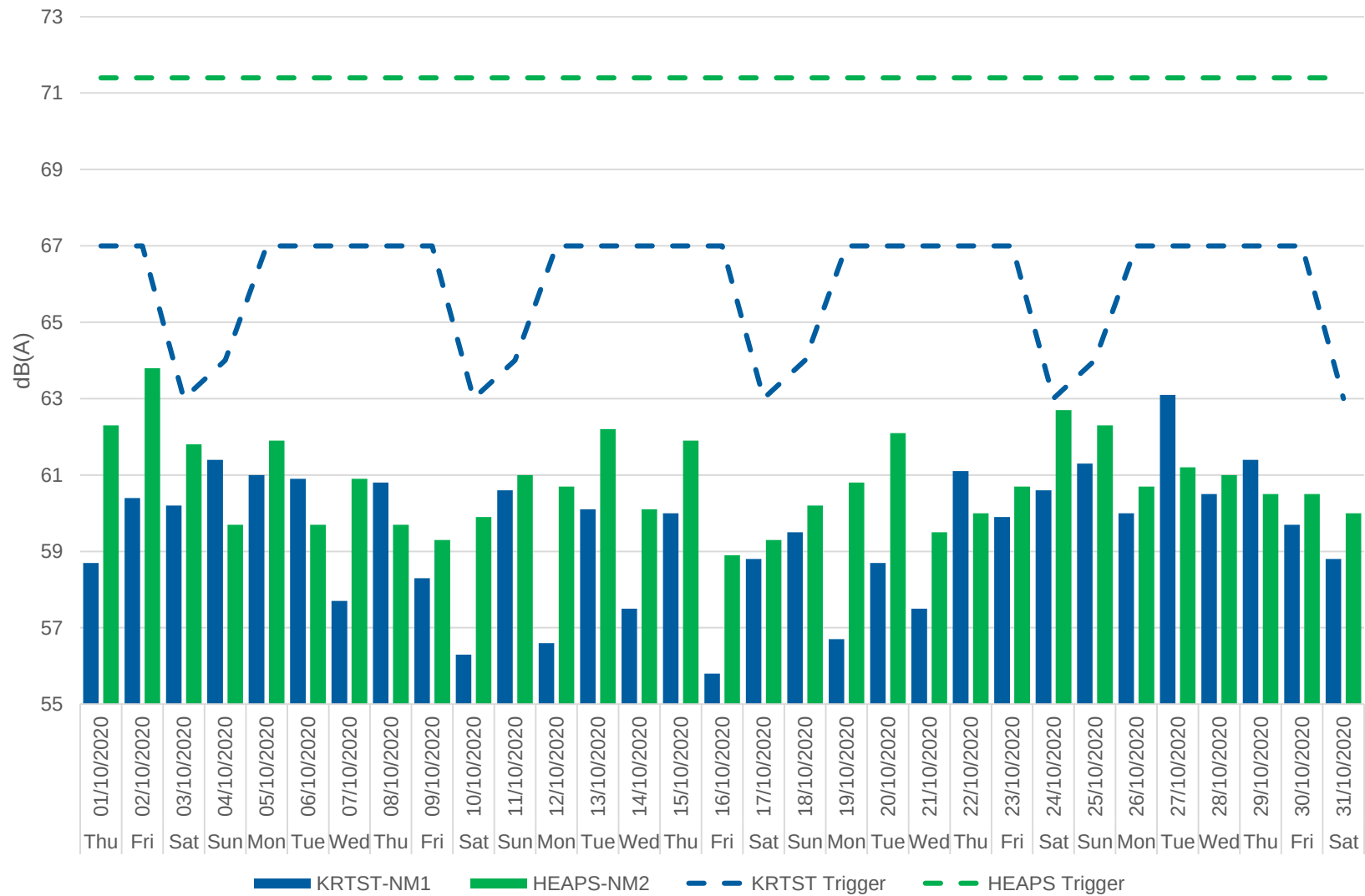
Daytime (Core) – October 2020



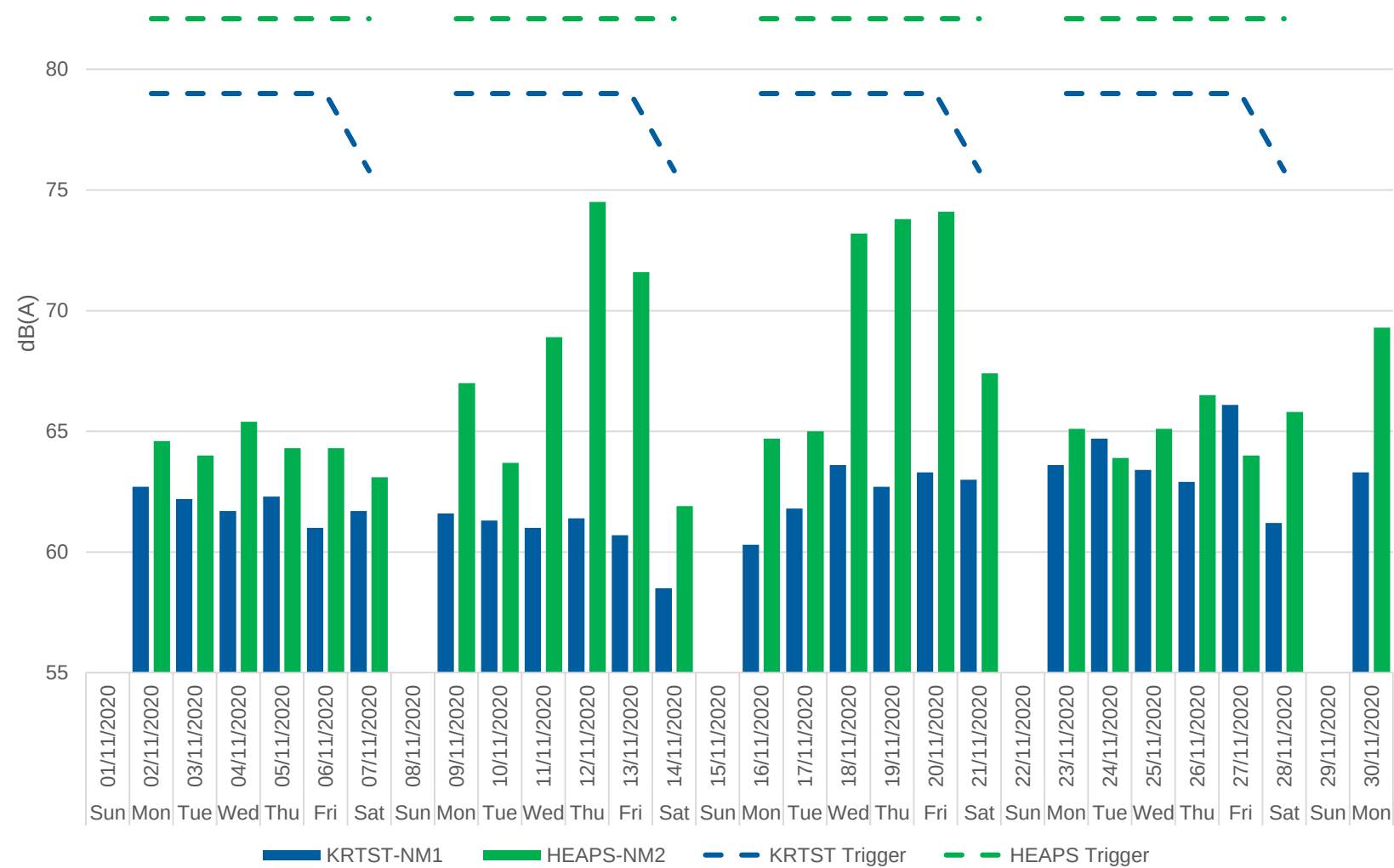
Evening (Extended) – October 2020



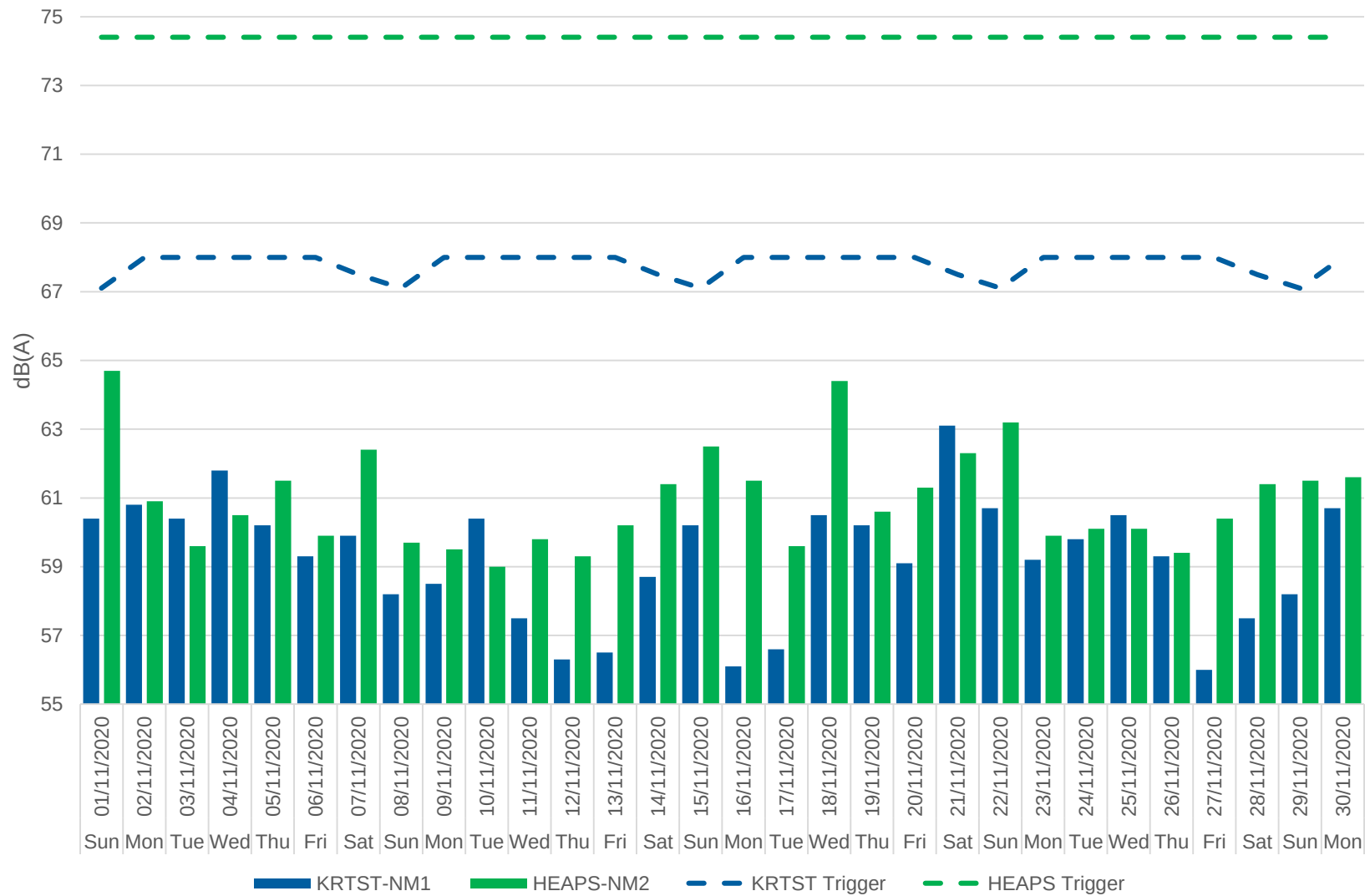
Night – October 2020



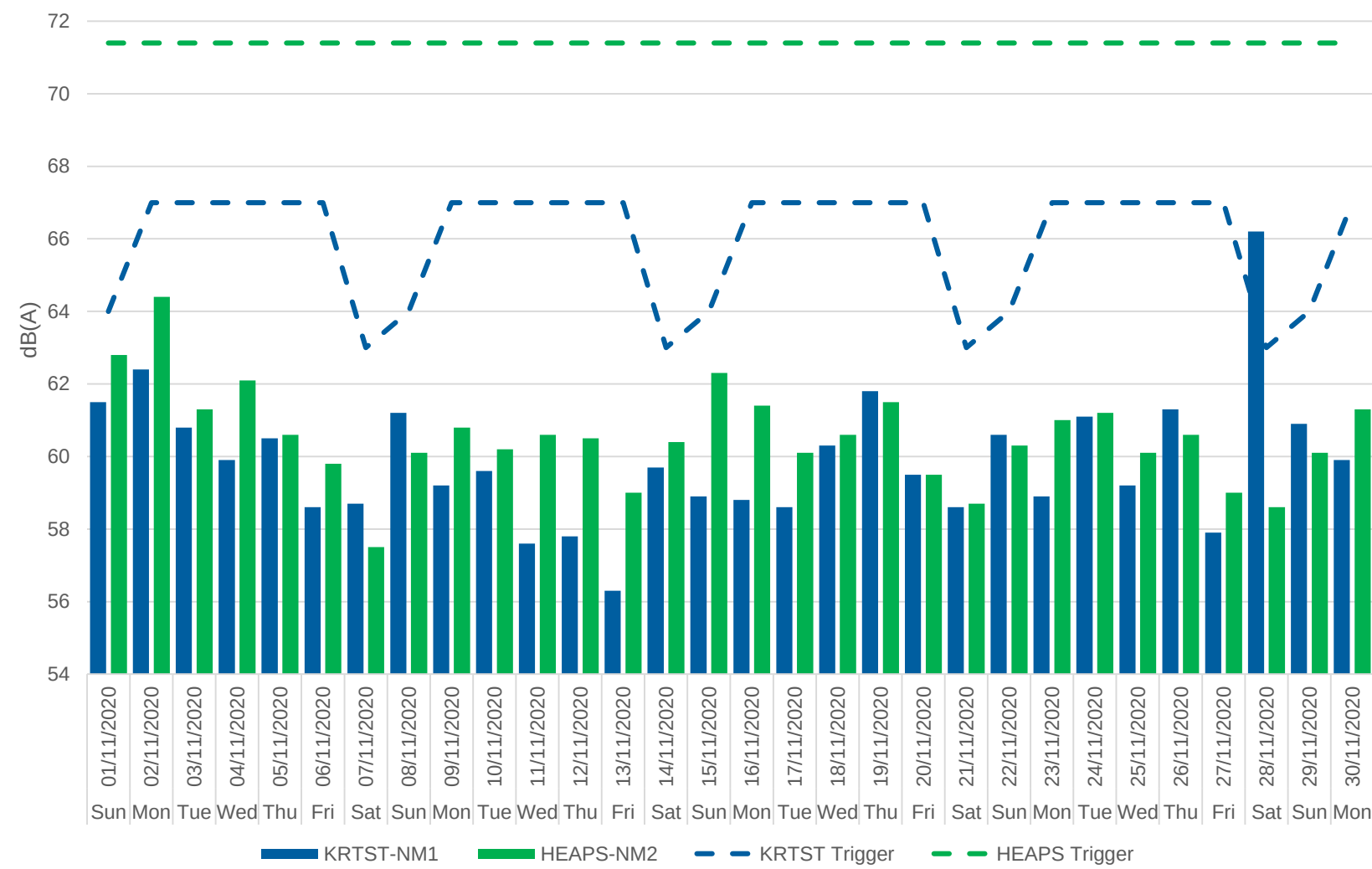
Evening (Extended) – October 2020



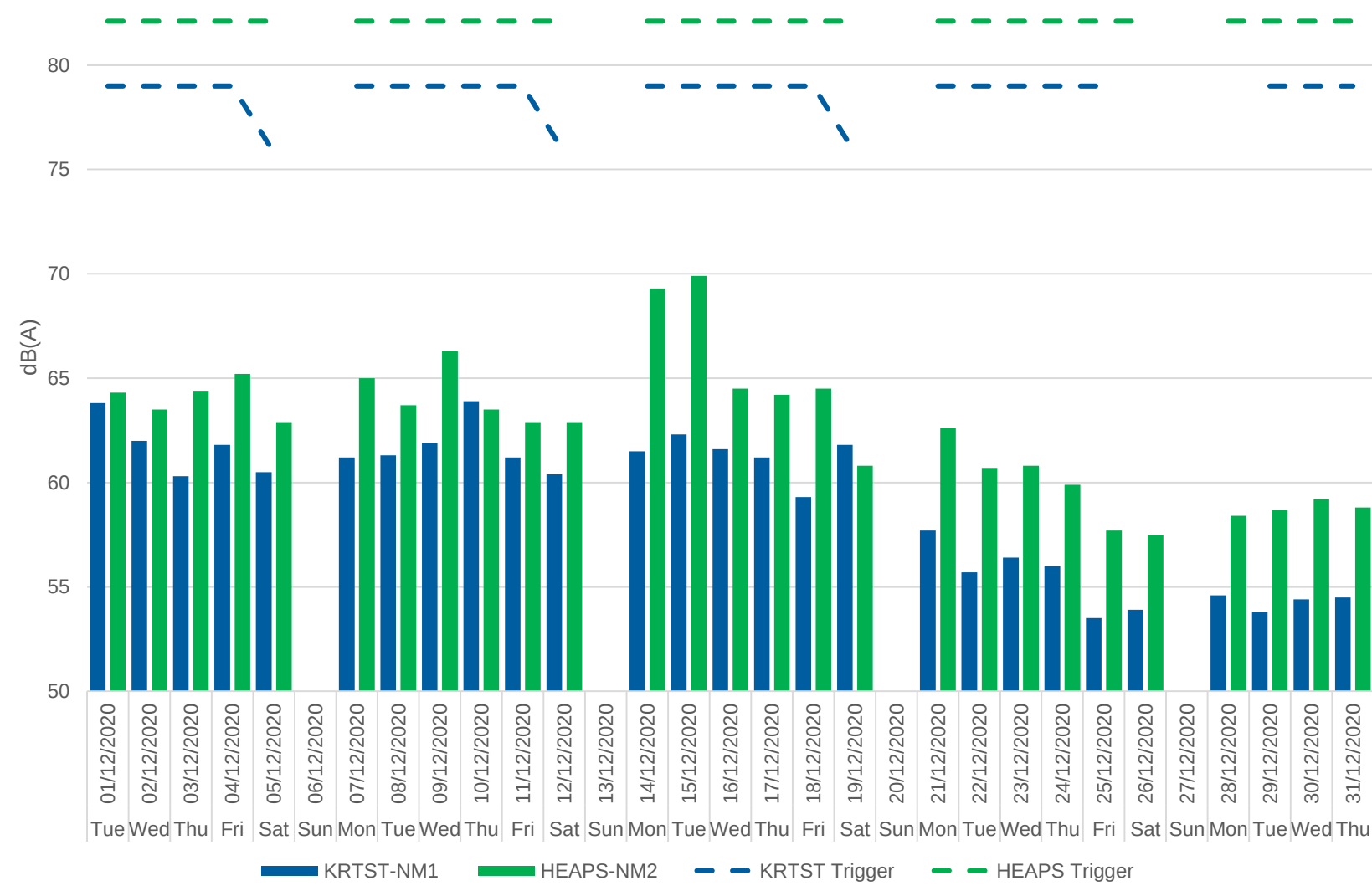
Evening (Extended) – November 2020



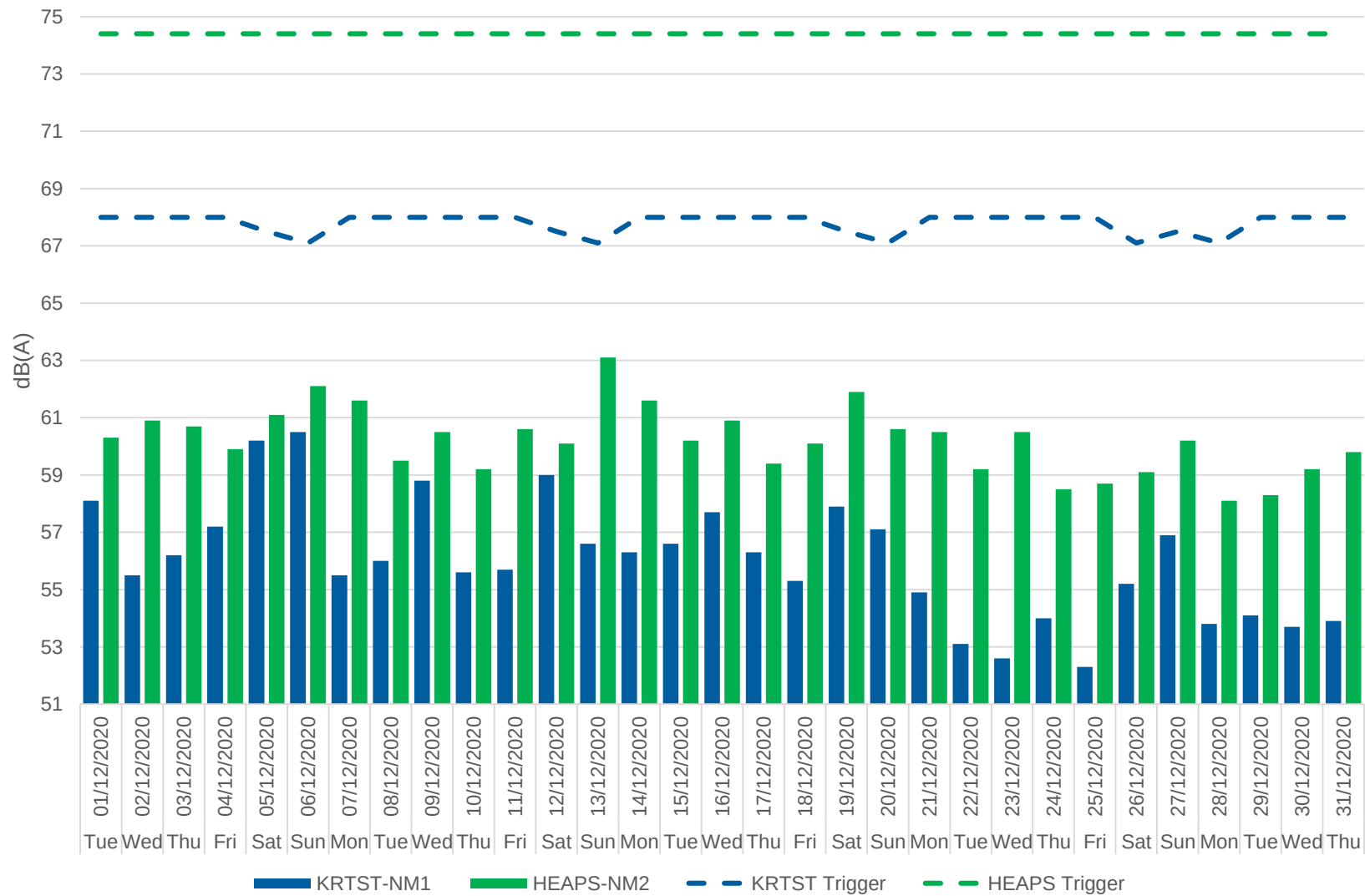
Night – November 2020



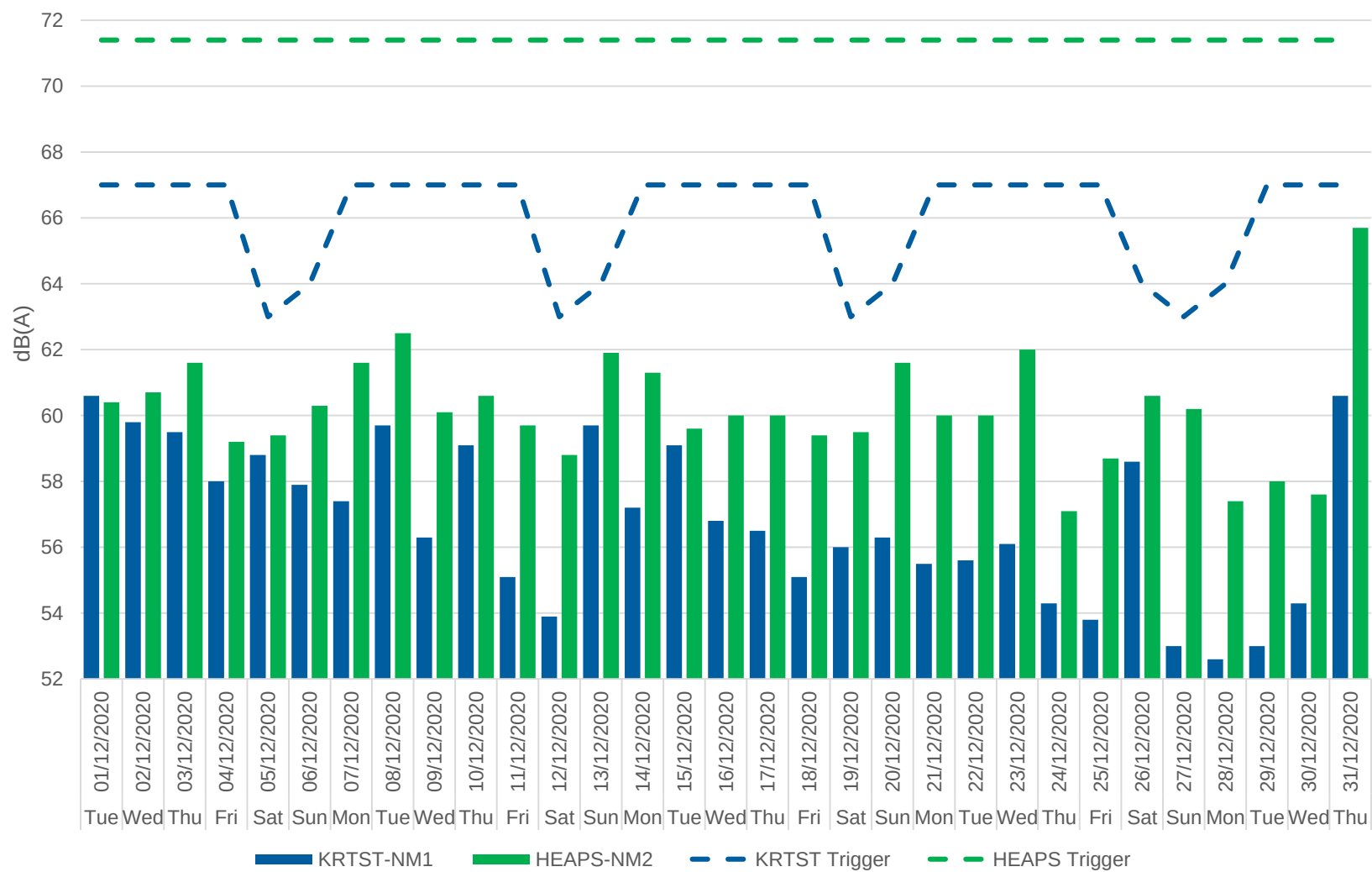
Daytime (Core) – December 2020



Evening (Extended) – December 2020



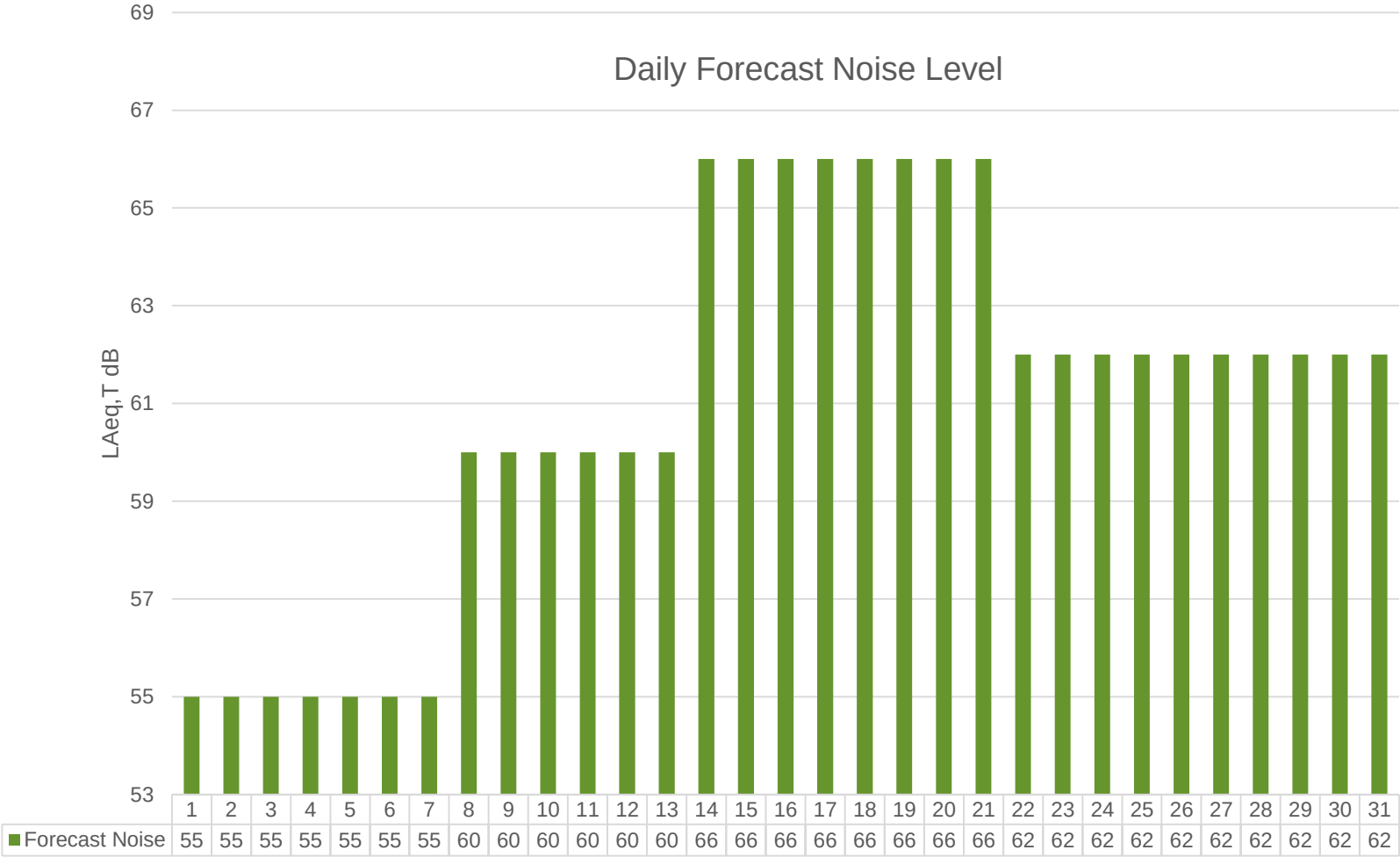
Night – December 2020



MONTHLY AVERAGE NOISE CALCULATIONS

Neil Anderson
Noise and Vibration Lead

Monthly Average Noise Calculations



Monthly Average Noise Calculations

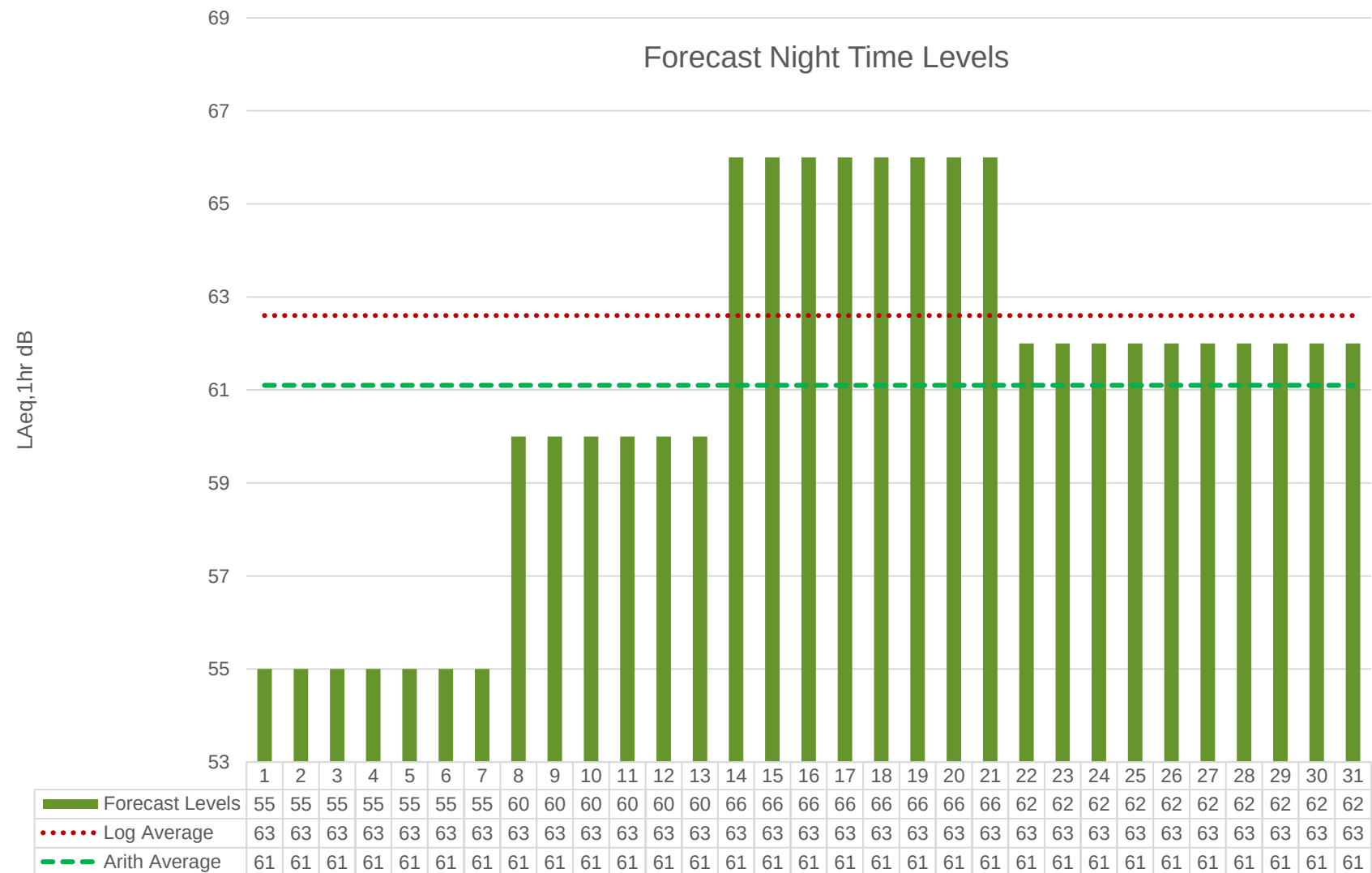
The average is calculated using the **Logarithmic** average of each of the daily forecast levels over the month

Example

Calculated night time levels of 55 dB, 60 dB, 65 dB...

Monthly Average = $10 \times \text{Log} (\text{average of } 10^{(55/10)}, 10^{(60/10)}, 10^{(65/10)} \dots)$

Monthly Average Noise Calculations



Monthly Average Noise Calculations

Unless the levels are all the same the log average is always higher than the normal arithmetic average

This monthly average is then compared to the third test **Category Levels** and if exceeded Noise Insulation, or if this is not possible, Temporary Rehousing is offered

For NEP Houseboats and Tideway Docks these **Category Levels** are the trigger levels for Noise Insulation/Temp Rehousing

For other properties these **Category Levels** are the Category C levels defined in the ES

Monthly average levels presented in all Section 61 Applications

COMPENSATION AND MITIGATION

Louise Walsh
Compensation and Mitigation Lead

Compensation and Mitigation

How to make a claim if you are affected by Tideway's work

Who do I go to for advice?

- Independent Advisory Service (IAS) Helpline for independent advice: **0800 917 8845** or info@tidewayias.co.uk
- Tideway's Compensation and Mitigation Lead, Louise Walsh.
- For personal assistance and advice contact Louise: via Tideway Helpdesk **08000 30 80 80** or helpdesk@tideway.london or direct **07971 077165** or louise.walsh@tideway.london

How do I submit my claim?

- Louise can submit your claim to the Independent Compensation Panel (ICP) on your behalf or
- You can submit your claim direct to the ICP: admin@tidewayicp.london
- The IAS can send you a claim form, or you can download a claim form off the Tideway website

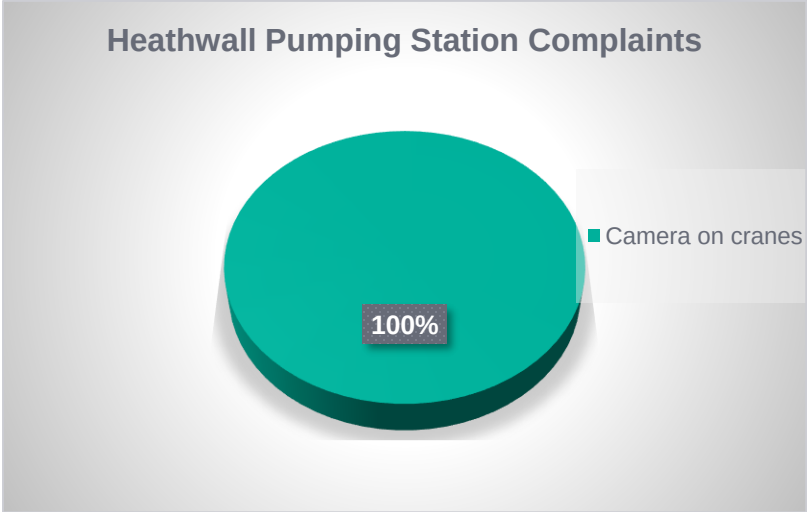
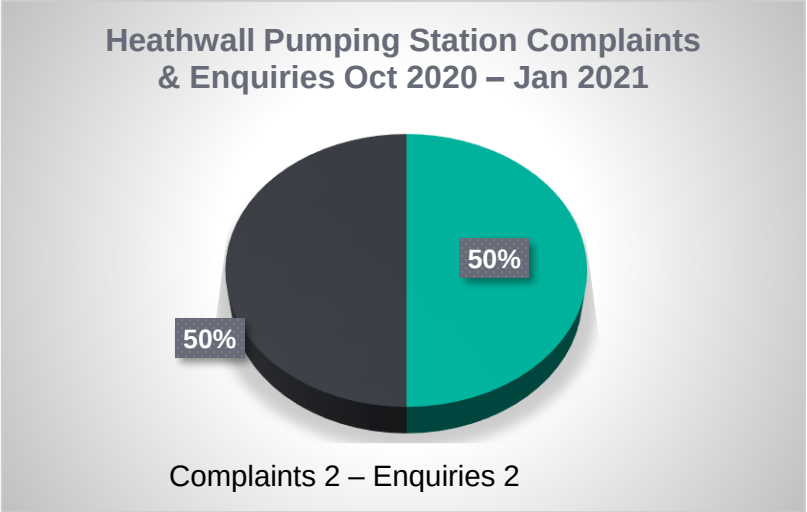
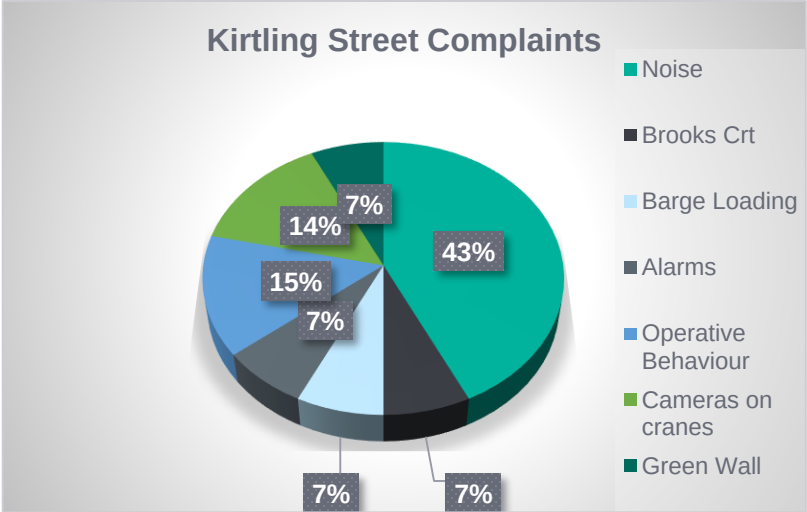
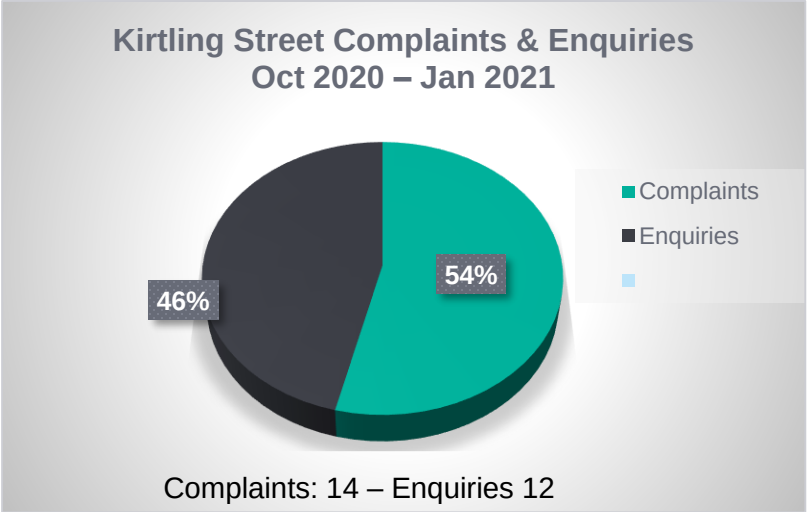


COMMUNITY ENGAGEMENT UPDATE

Alick Whitfield
Community Relations Manager

Caroline Brennan
Community Relations Officer

Complaints and Enquiries Oct 20 - Jan 21



Community Investment

St George's Primary School, Battersea: *Little Boxes of Hope 2020 Christmas Appeal*



Q&A Open Discussion

To get in touch with our 24/7 Helpdesk,
please call **08000 30 80 80** or email
helpdesk@tideway.london



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