

# KIRTLING STREET & HEATHWALL PUMPING STATION COMMUNITY LIAISON WORKING GROUP

16 November 2021



Tideway



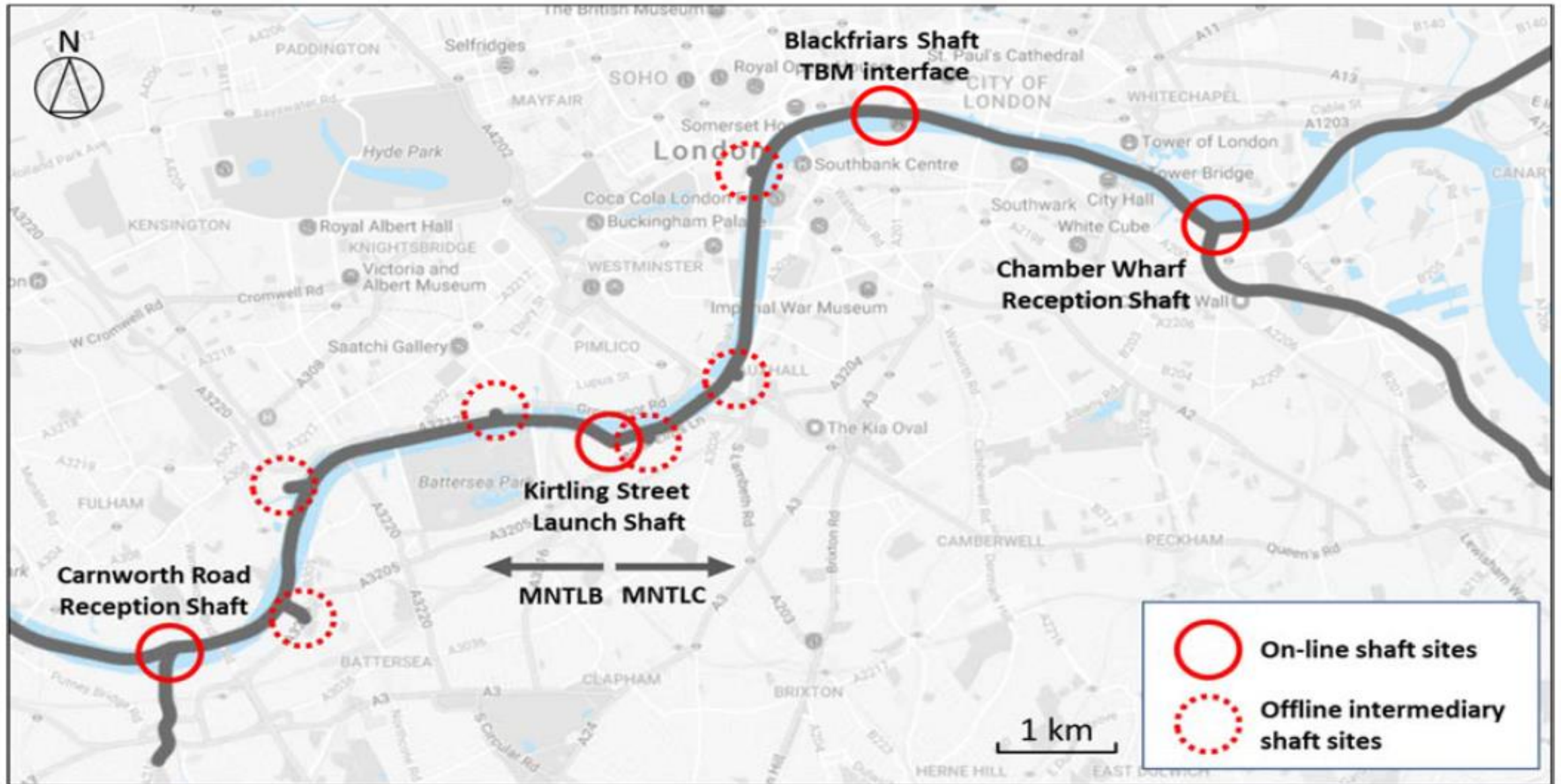


**WELCOME**

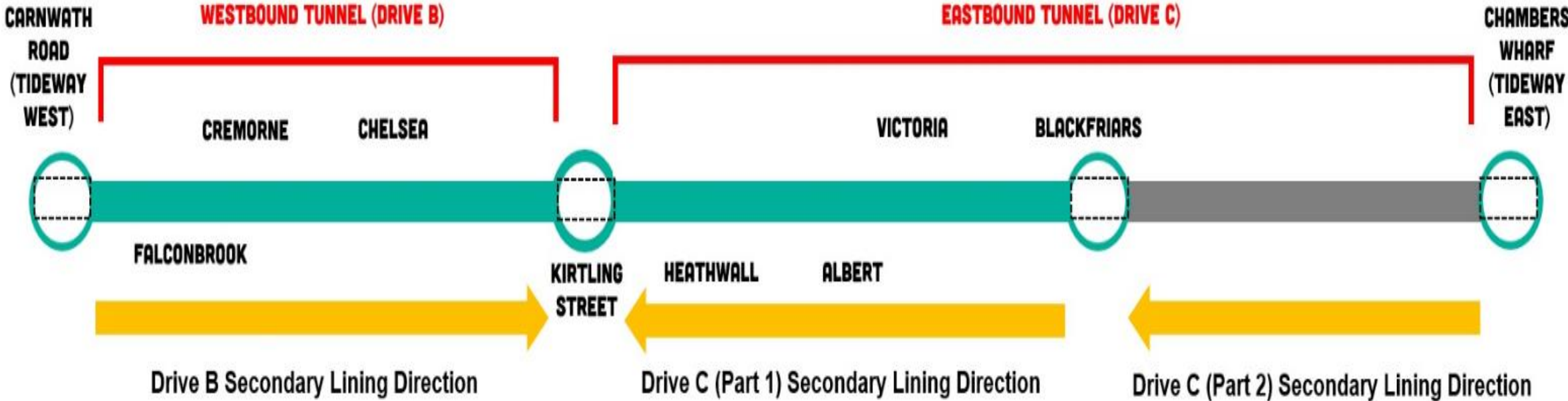
# **KIRTLING STREET UPDATE**

**Noel Cooper  
Tunnel Project Manager**

# Secondary Lining Objective



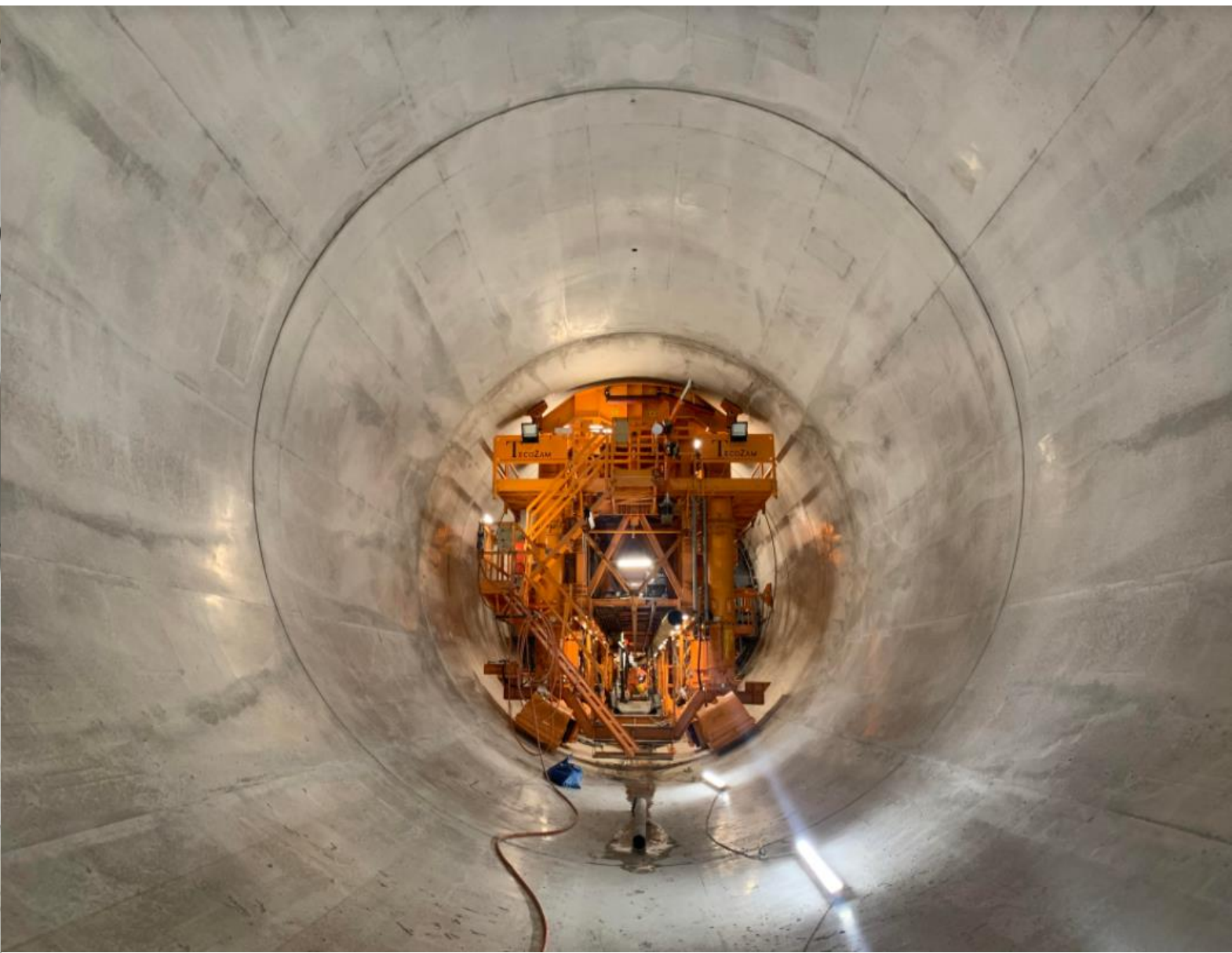
# TIDEWAY CENTRAL - 12.5KM \*Not to scale



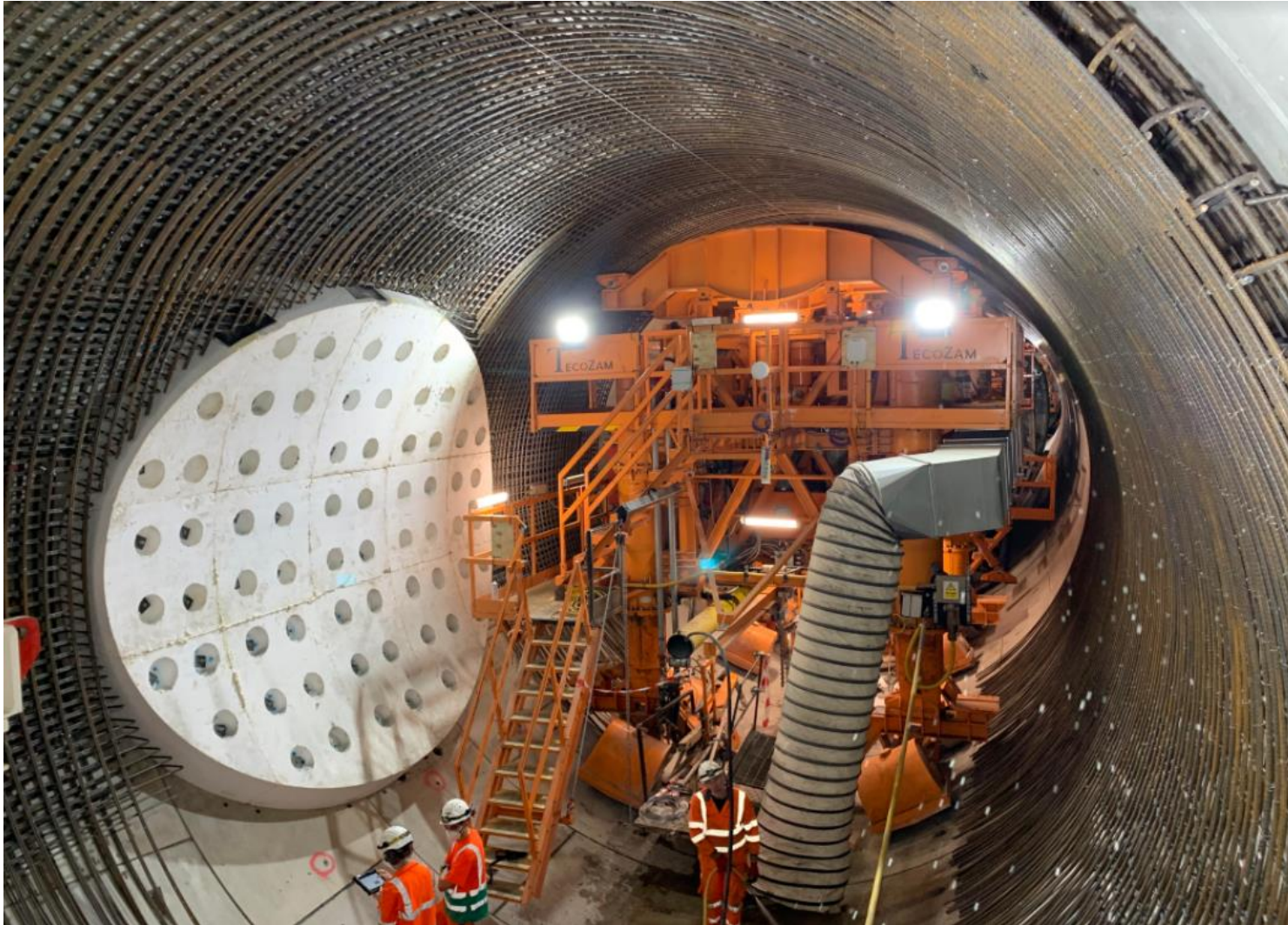
**SECONDARY LINING COMPLETE**

**SECONDARY LINING INCOMPLETE**

## Secondary Lining Casting



# Secondary Lining Casting



## Secondary Lining Casting







# **KIRTLING STREET ENVIRONMENT UPDATE**

**Iram Mirza**

**Site Environmental Lead**

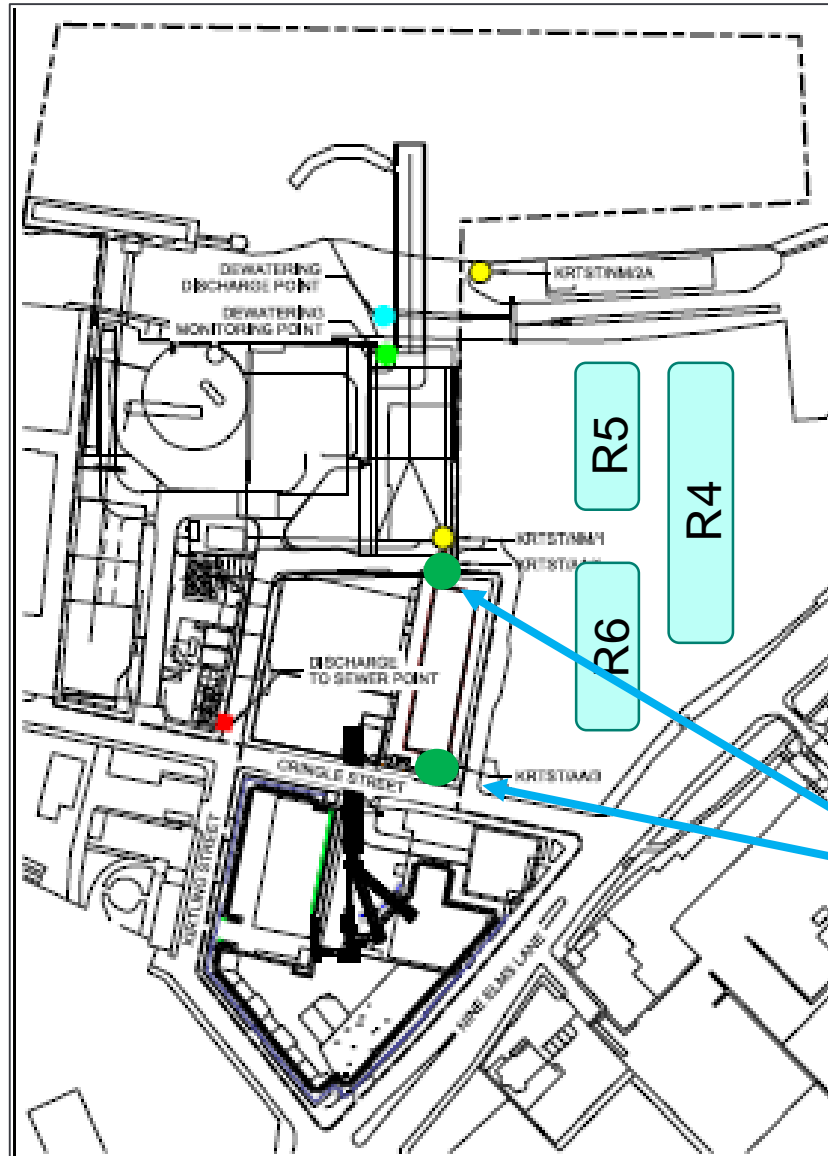
## How we are managing the site

- Low carbon delivery of the secondary lining, reducing 20,000 tonnes of carbon emissions on materials alone
- 2,500 LED lights installed in the main tunnel, saving ~1 million Kwh compared to traditional lighting
- Acoustically clad on site concrete batching plant
- Concrete batching plant's limestone and sand delivered via river, reducing HGVs on the road
- EU emissions stage V dumper; reduces direct plant emissions
- Waste concrete repurposed into usable concrete blocks, reducing the need for breaking on site
- Metal recycled on site, reducing product delivery and waste disposal vehicles
- Key suppliers using electric vans for transporting goods
- New irrigation system installed on the green wall



Low carbon cement delivery at the acoustically clad on site concrete batching plant

# Kirtling Street Air Quality Monitoring

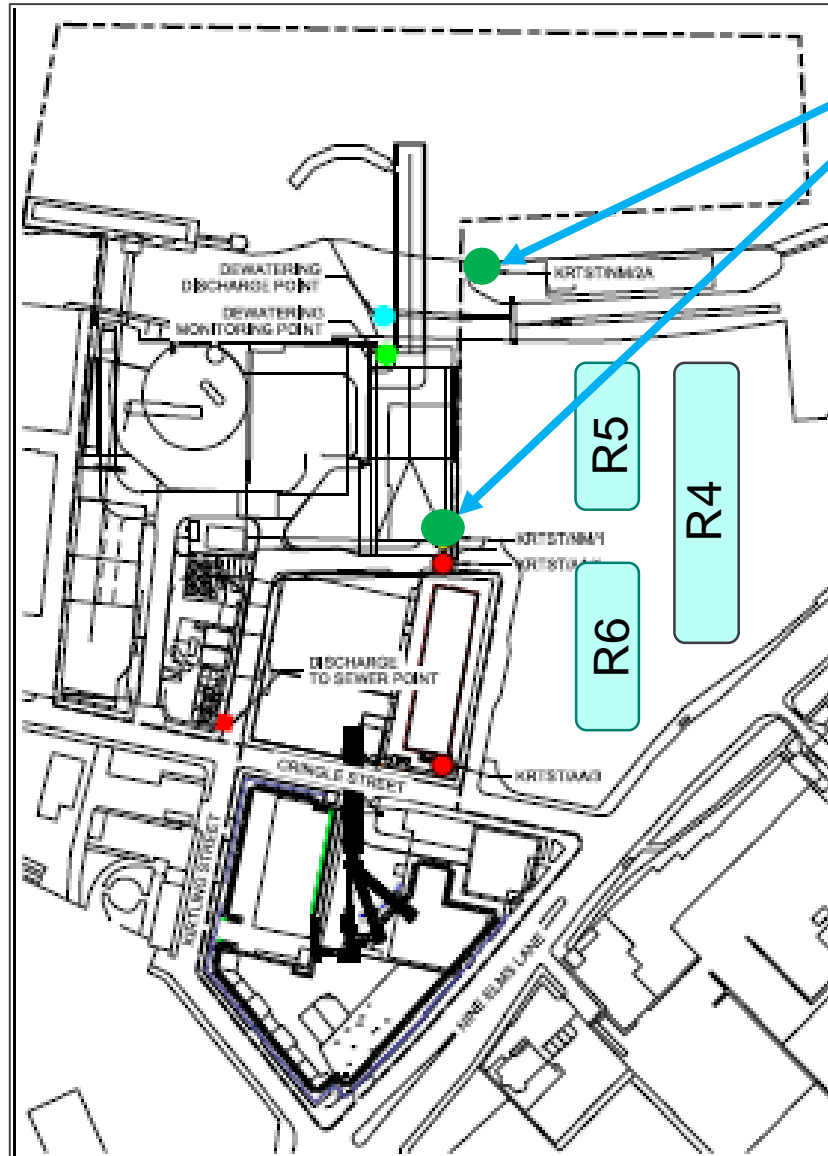


Noise Monitors

**16 Apr to 15 Nov 2021:  
No air quality exceedances  
caused by FLO JV activities**

Air Quality Monitors

# Kirtling Street Noise Monitoring



Noise Monitors

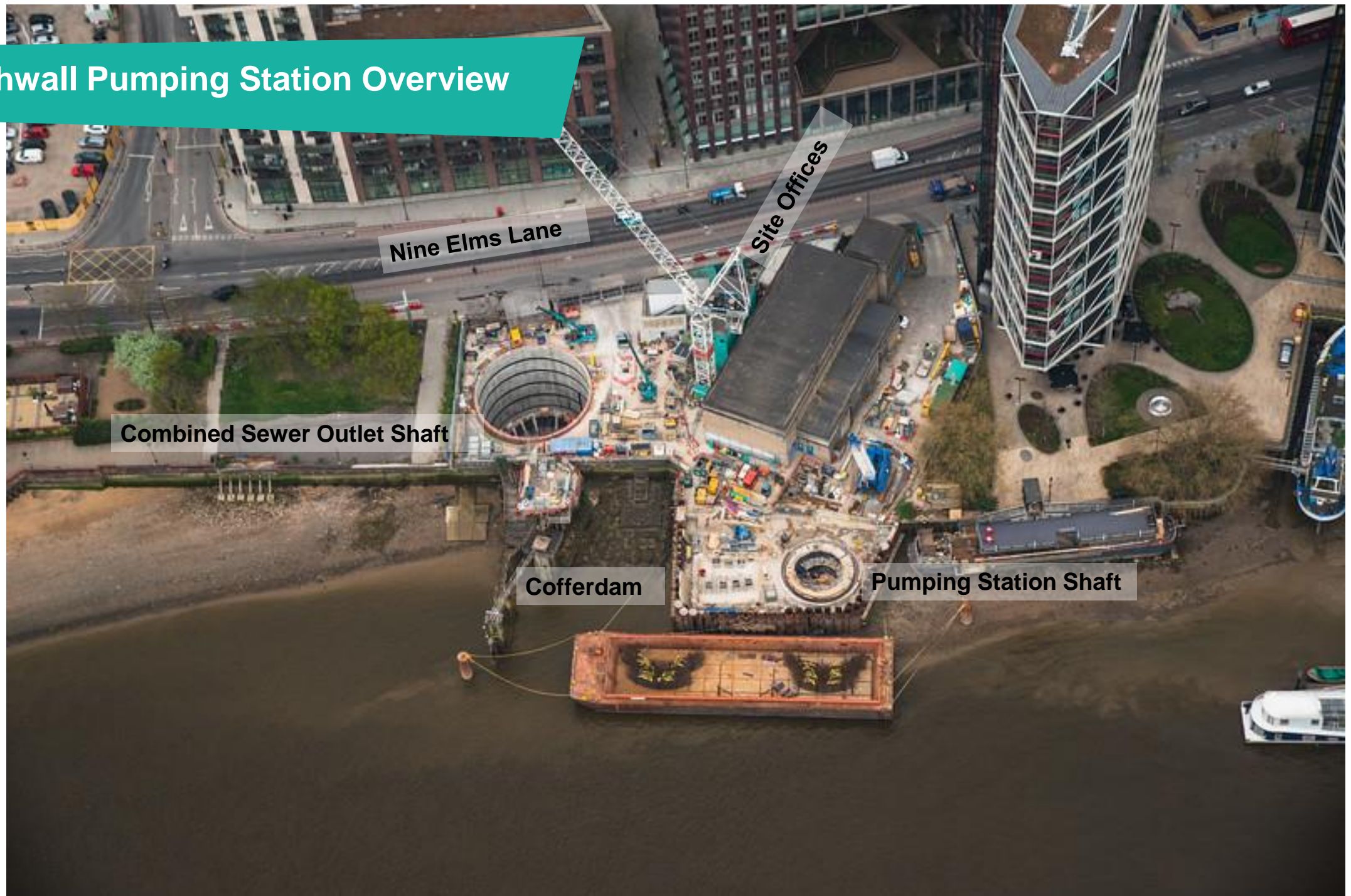
**16 Apr to 15 Nov 2021:**  
**1 x noise exceedances**  
**caused by FLO JV activities**  
19 Sep - the fire alarm in the shaft  
was accidentally triggered

Air Quality Monitors

# HEATHWALL PUMPING STATION UPDATE

**Francisco Pimentel**  
**Site Agent**

# Heathwall Pumping Station Overview



Nine Elms Lane

Site Offices

Combined Sewer Outlet Shaft

Cofferdam

Pumping Station Shaft

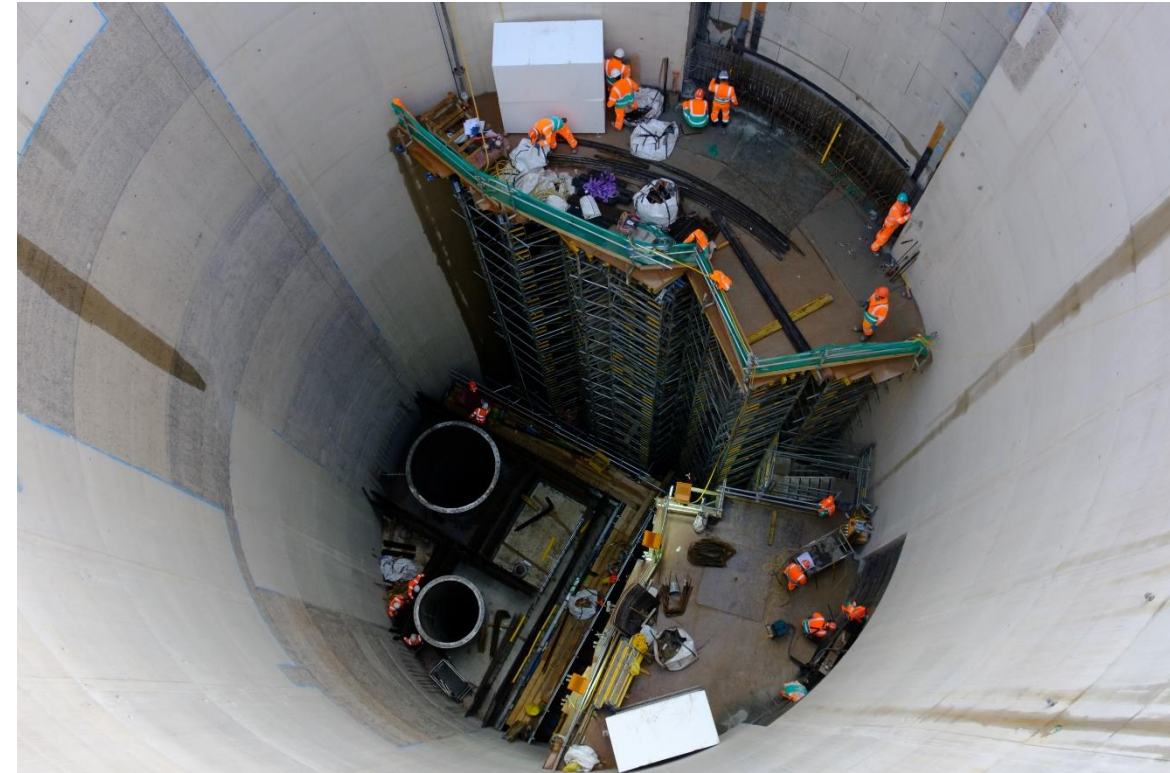
# Shaft & Tunnels Progress

## Progress

- CSO Shaft secondary lining completed
- CSO Shaft internals ongoing (inc vortex installation)
- Completed HPS internals (inc vortex structures) and benching pour
- 42m of connection culvert secondary lining and portal ongoing
- 43m of connection tunnel secondary lining now complete
- SWSR IC chamber excavation ongoing
- PS IC chamber internal structures ongoing
- Temporary cofferdam works ongoing



Barge Mobilised for Marine Works



CSO Shaft Internals (Inc Vortex Tubes, SWSR Portal and Culvert Portal)



# Heathwall Pumping 3-month lookahead

- SWSR IC breakthrough and internal rc structures
- PS IC Internal structures
- CSO Shaft rc internals and vortex installation
- Temporary Cofferdam Construction
- Mooring Piles removal
- Scour Protection installation

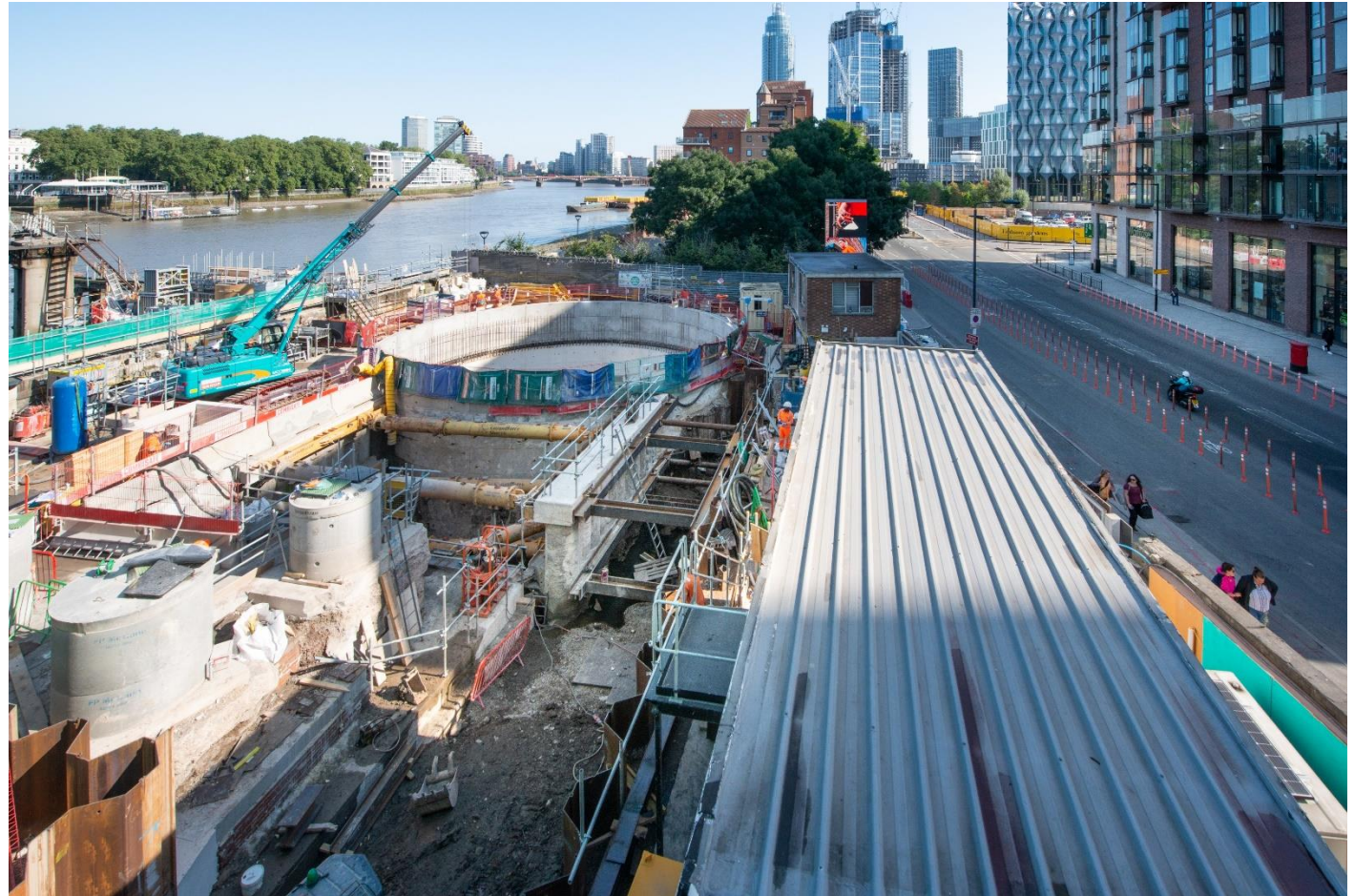
## Working Hours

**Standard hours will be;**

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

**Saturday 07:00 – 13:00**

*Note: SWSR works tidal so hours will vary over 24h period*



SWSR IC excavation



**HEATHWALL PUMPING  
STATION  
ENVIRONMENT  
UPDATE**

**Iram Mirza**

**Site Environmental Lead**

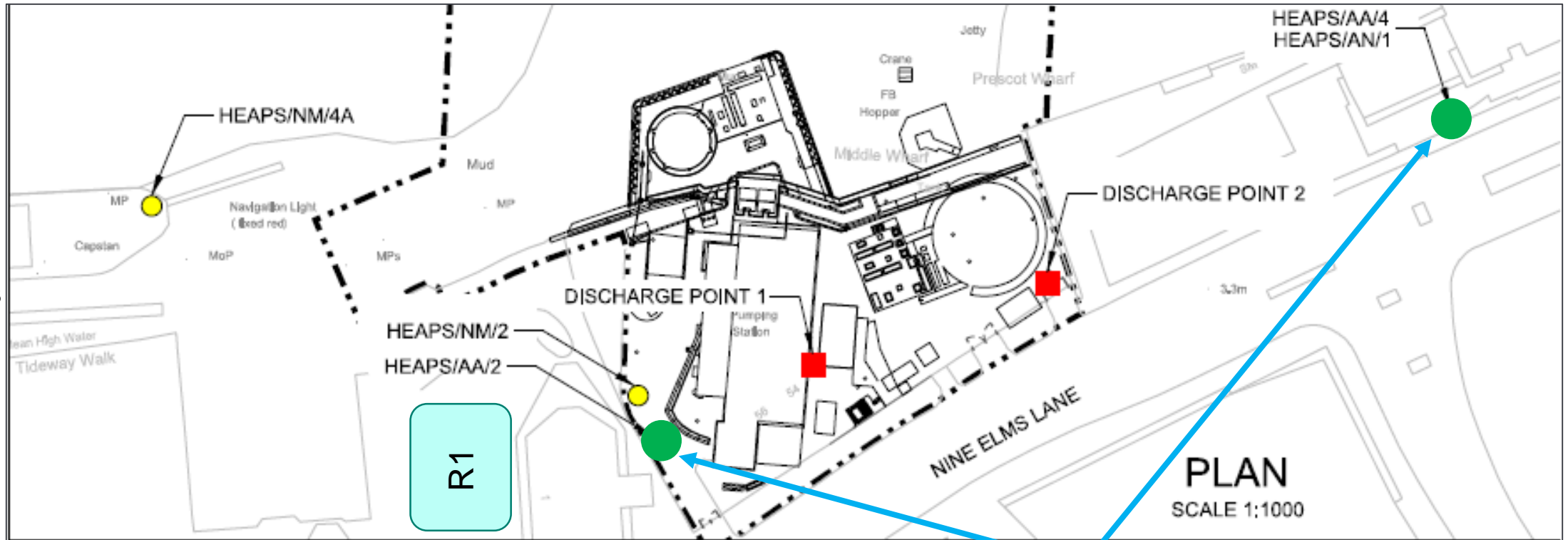
## How we are managing the site

- EU emissions stage V mini-crane; beyond compliance
- Electric powered tower crane resulting in zero emissions
- Mini electric excavator trialled
- Hydro-treated vegetable oil (HVO) will replace diesel, 85% reduction in plant emissions predicted
- Excavated material transported via river for beneficial reuse
- Energy efficient lighting towers used on FLO JACK (the jack-up barge)
- Key suppliers using electric vans for transporting goods



EU Emissions stage 5 crane used to lift the workforce into the CSO shaft

# Heathwall Pumping Station Air Quality

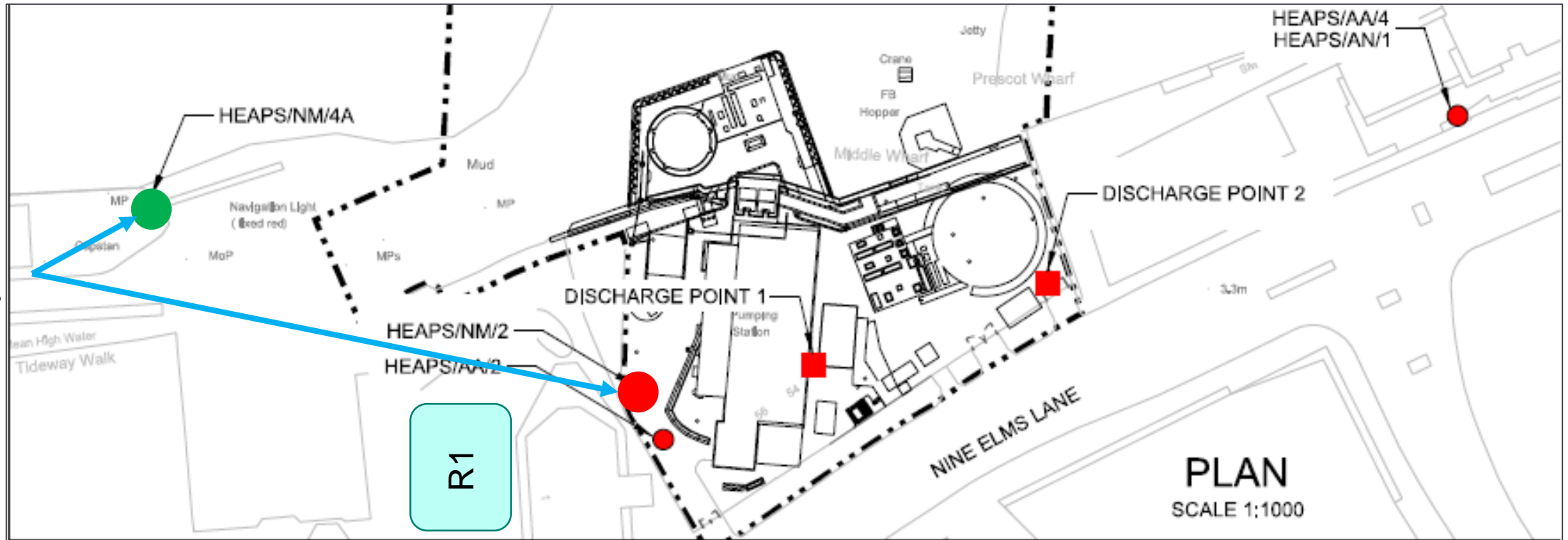


Noise Monitors

Air Quality Monitors

**16 Apr to 15 Nov 2021:  
No air quality exceedances caused by FLO JV activities**

# Heathwall Pumping Station Noise



Noise Monitors

Air Quality Monitors

**16 Apr to 15 Nov 2021:**

**3 x noise exceedances caused by FLO JV activities**

Mon 8 Nov – 16:15

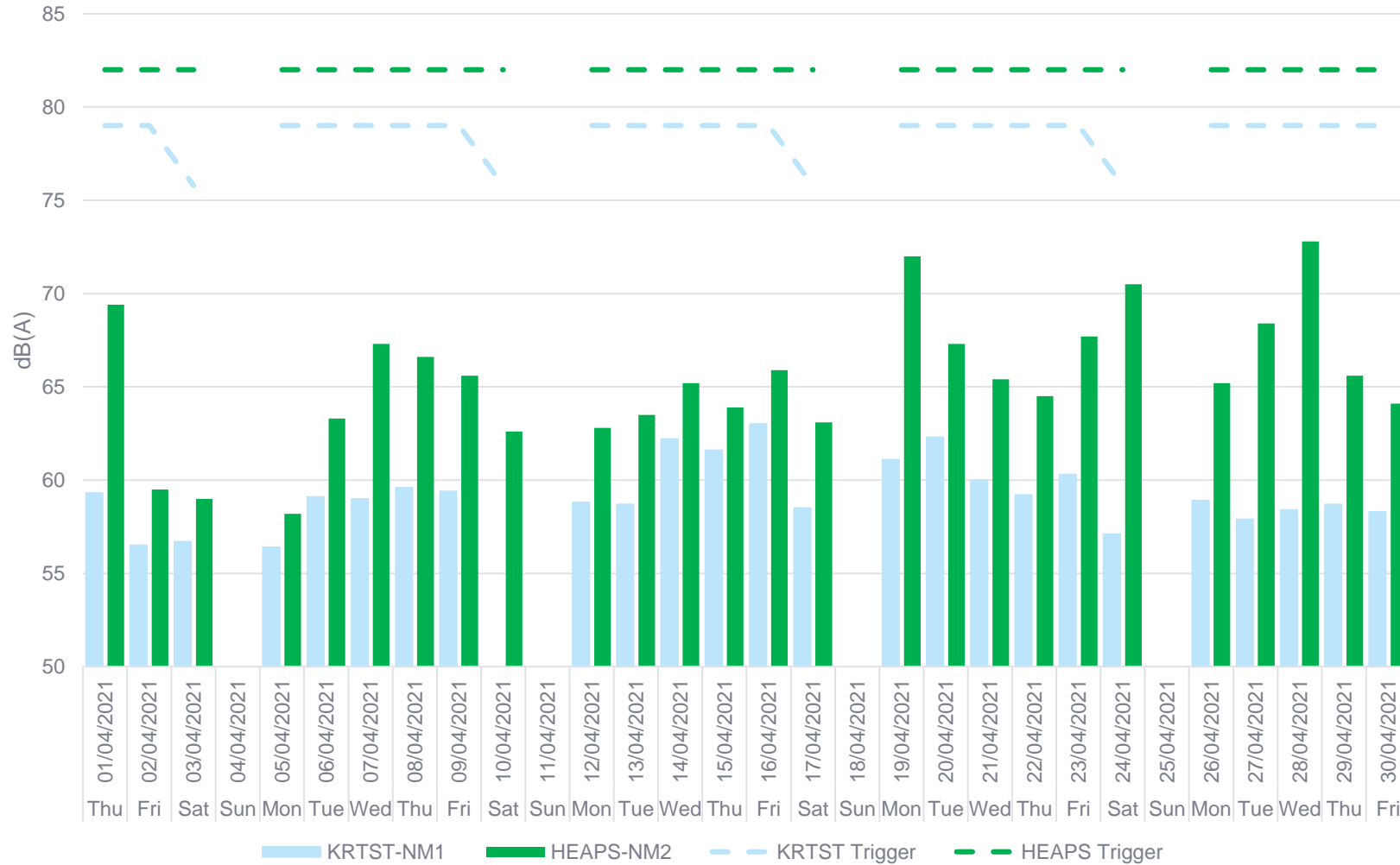
Mon 8 Nov – 19:15

Tue 9 Nov – 07:45

**NOISE DATA**  
**APR – OCT 2021**

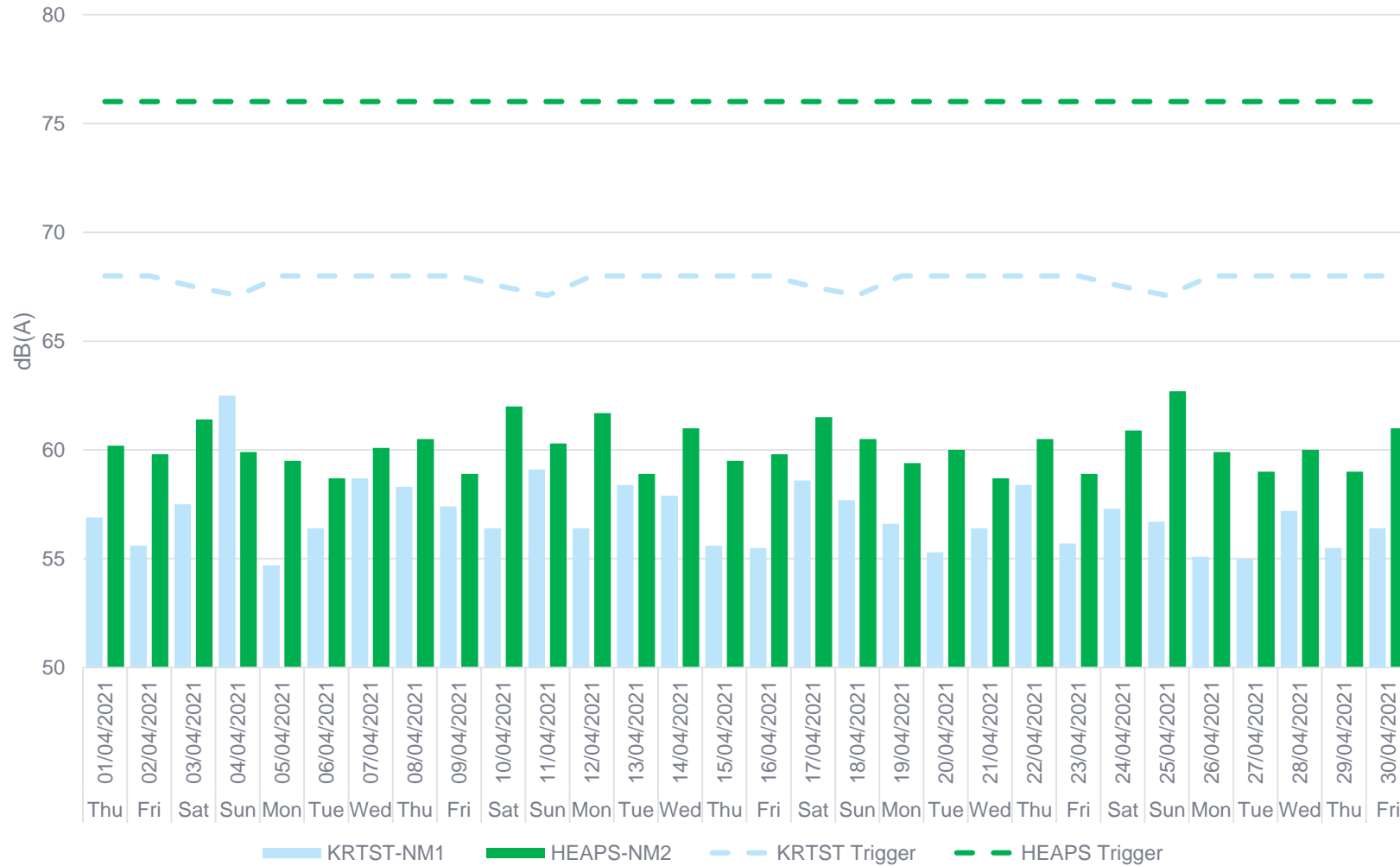
**Provided by Neil Anderson**  
**Noise Consultant**

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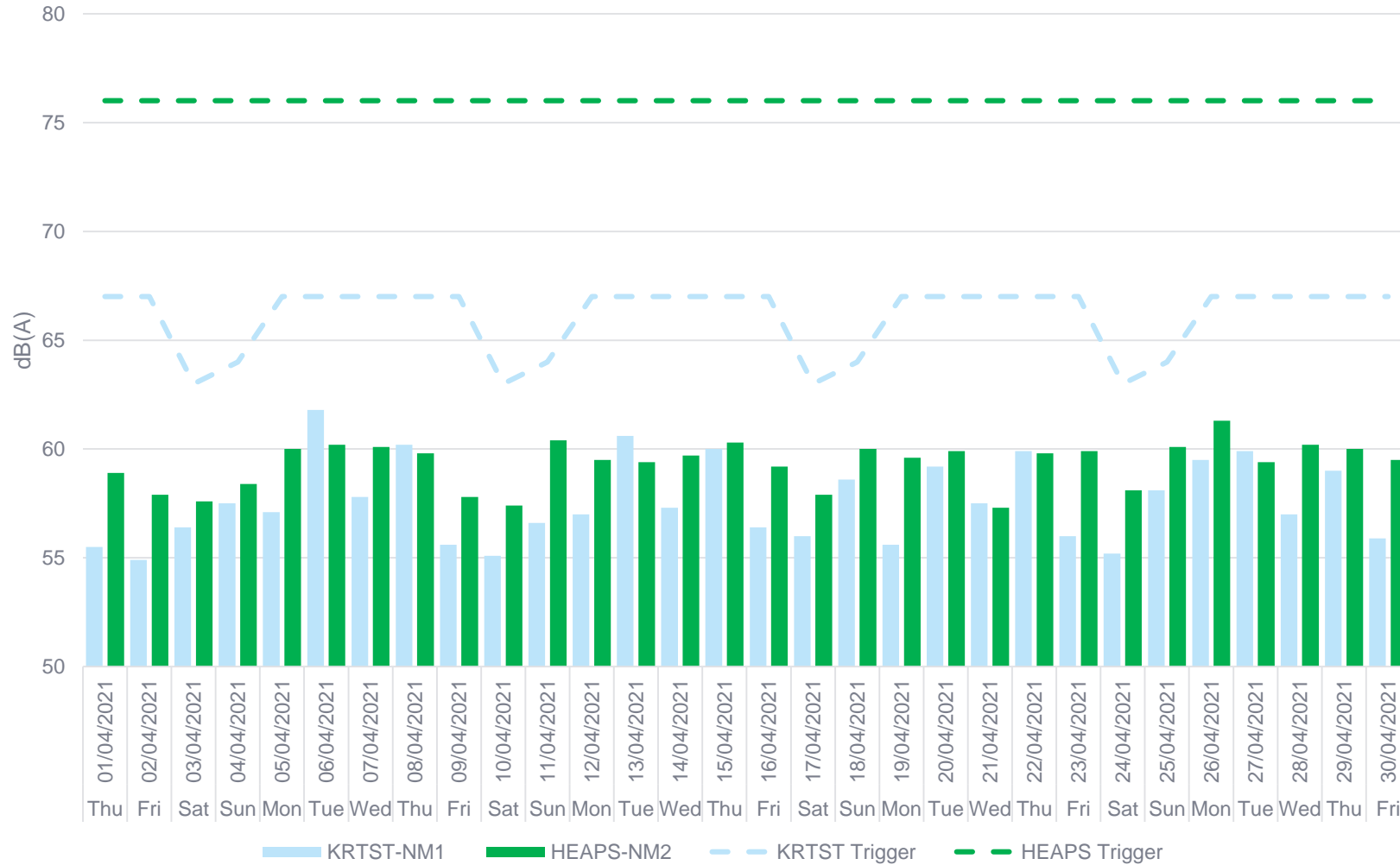




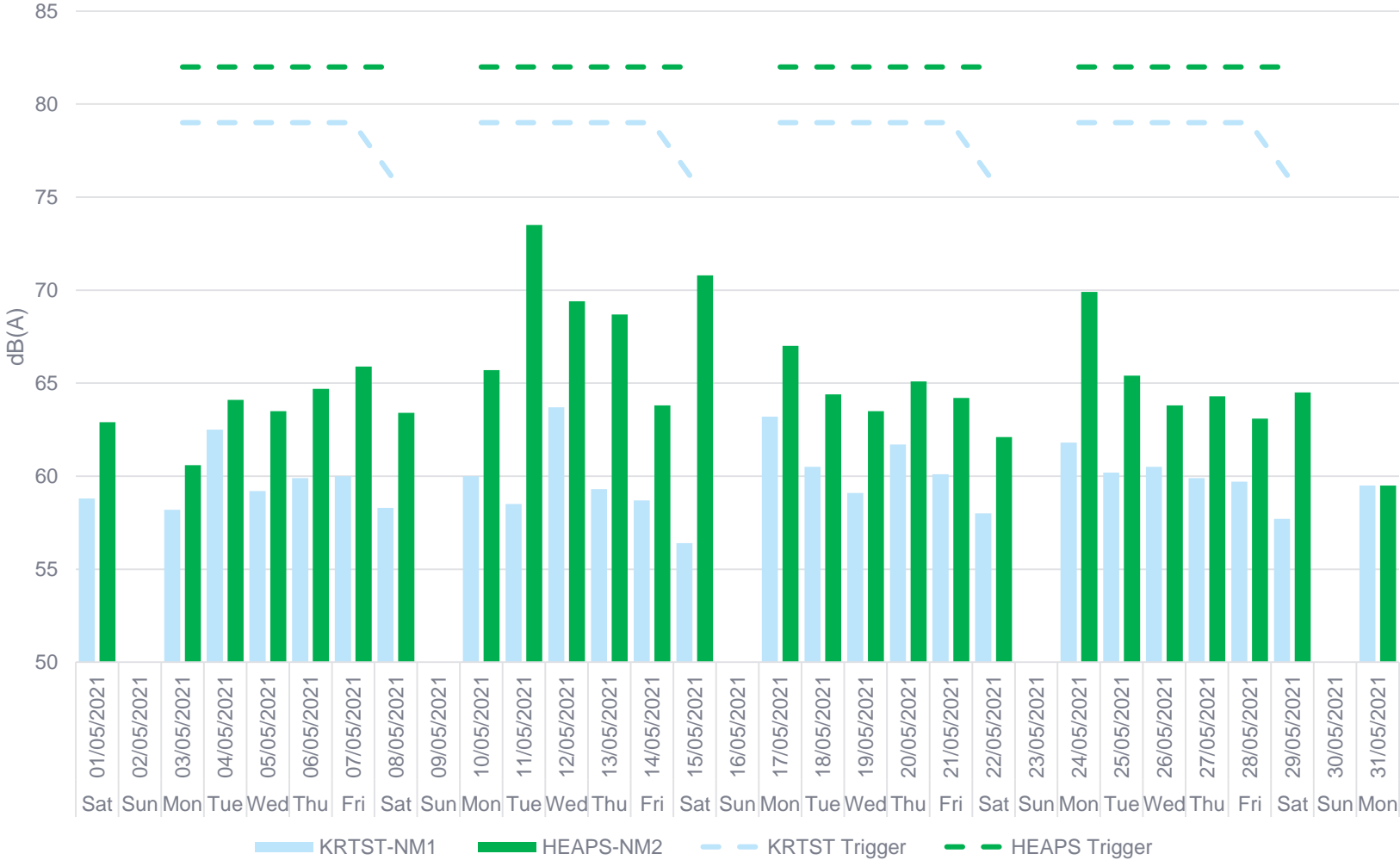
### Evening (Extended) - April'21



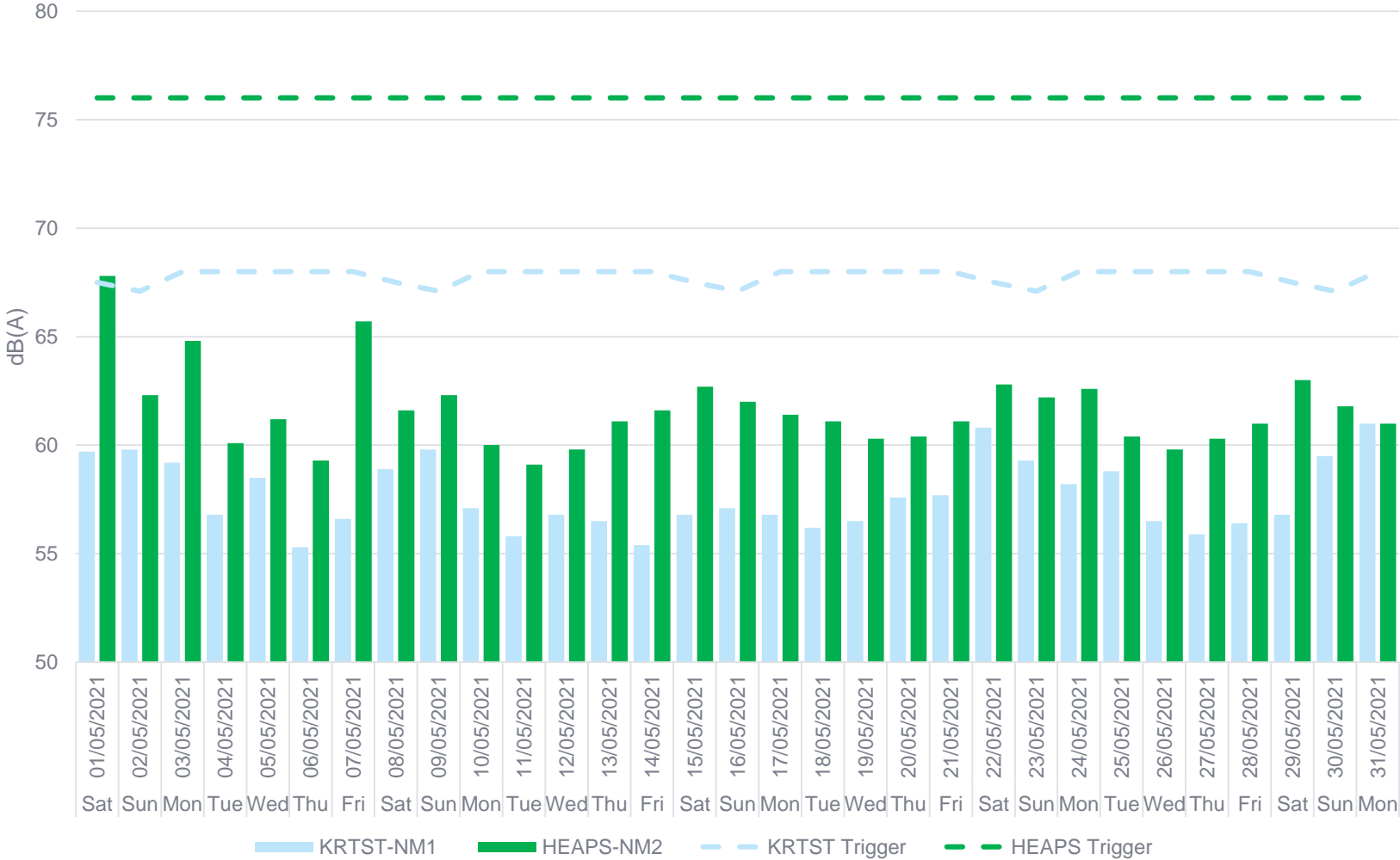
### Night - April'21



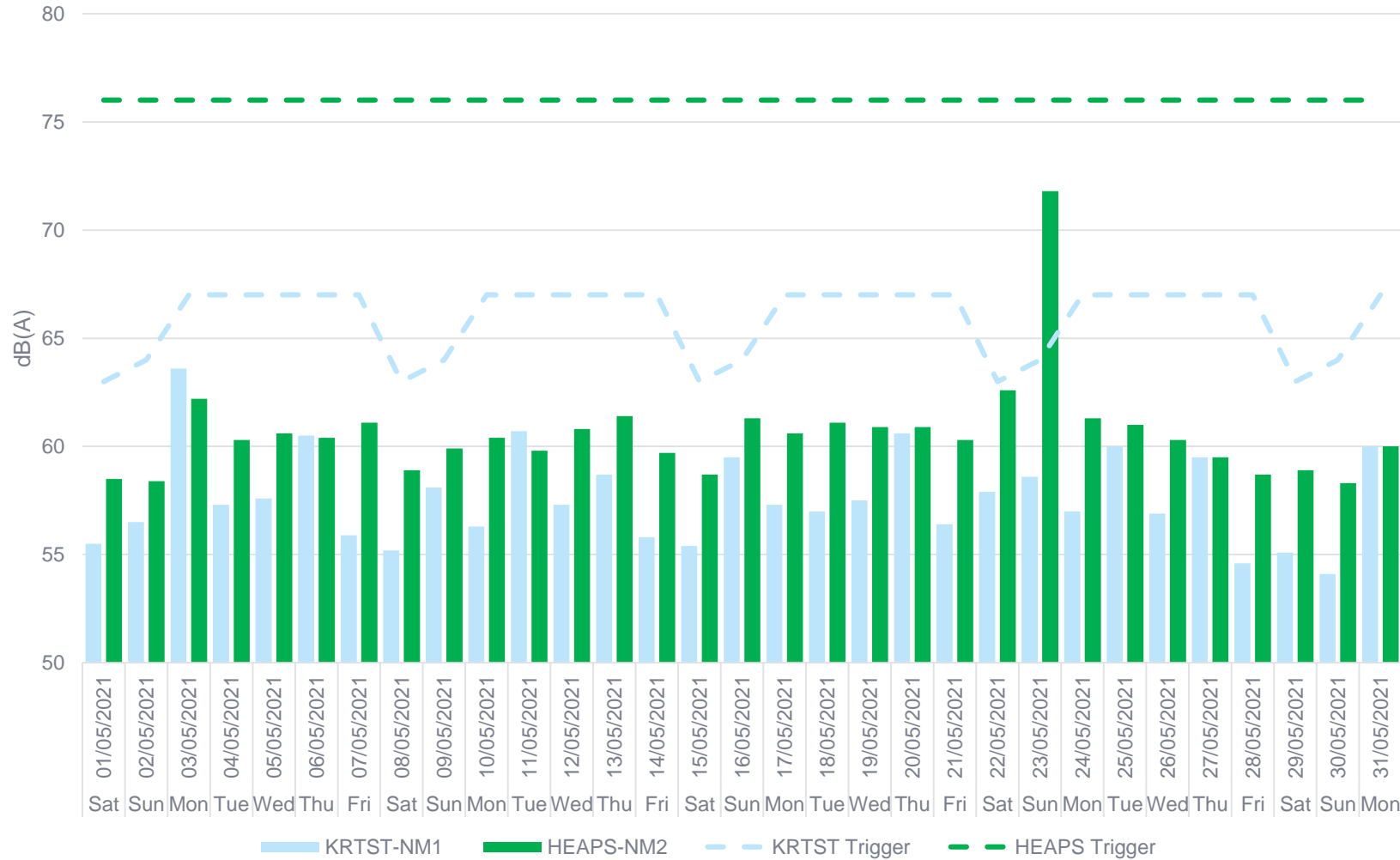
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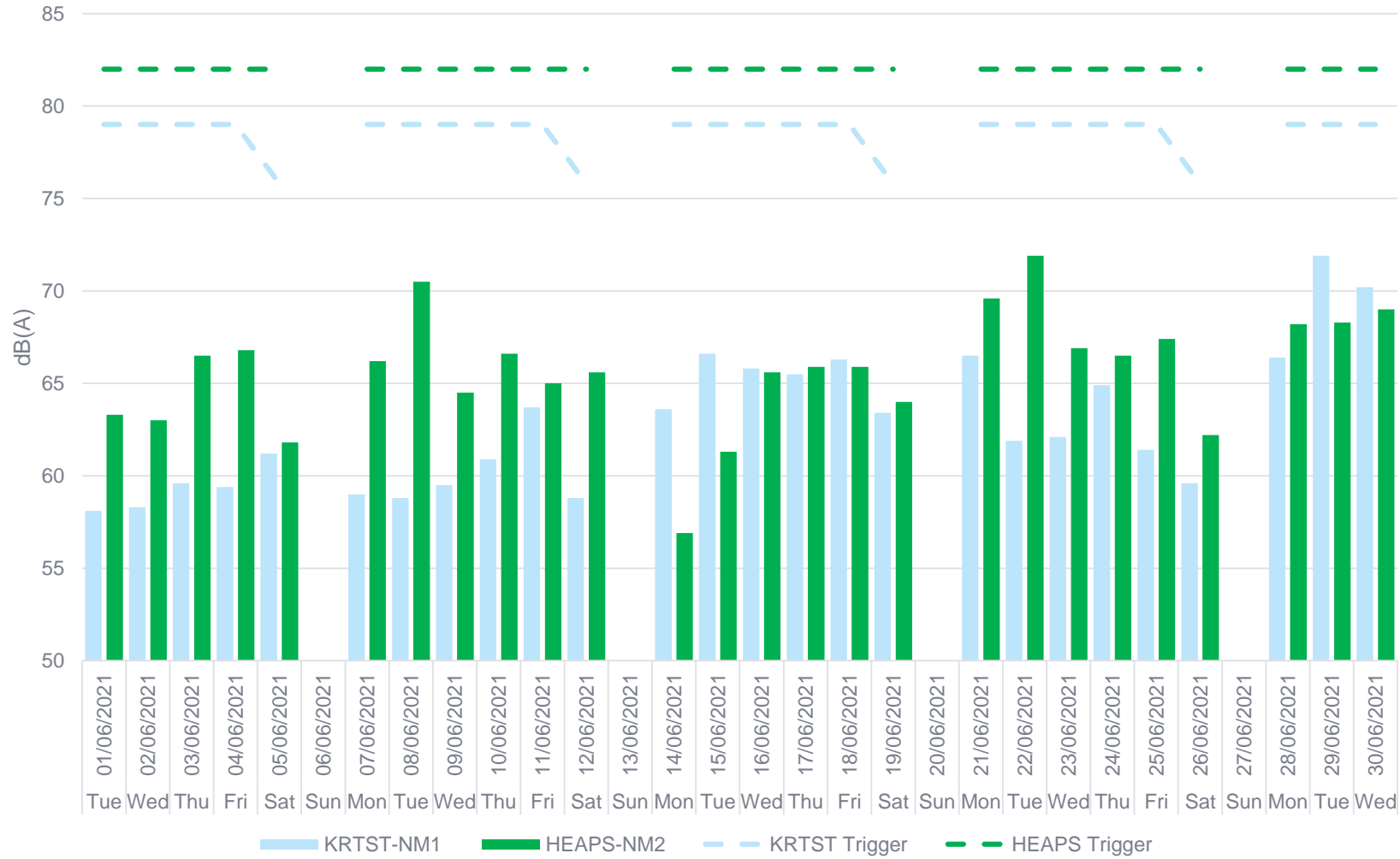
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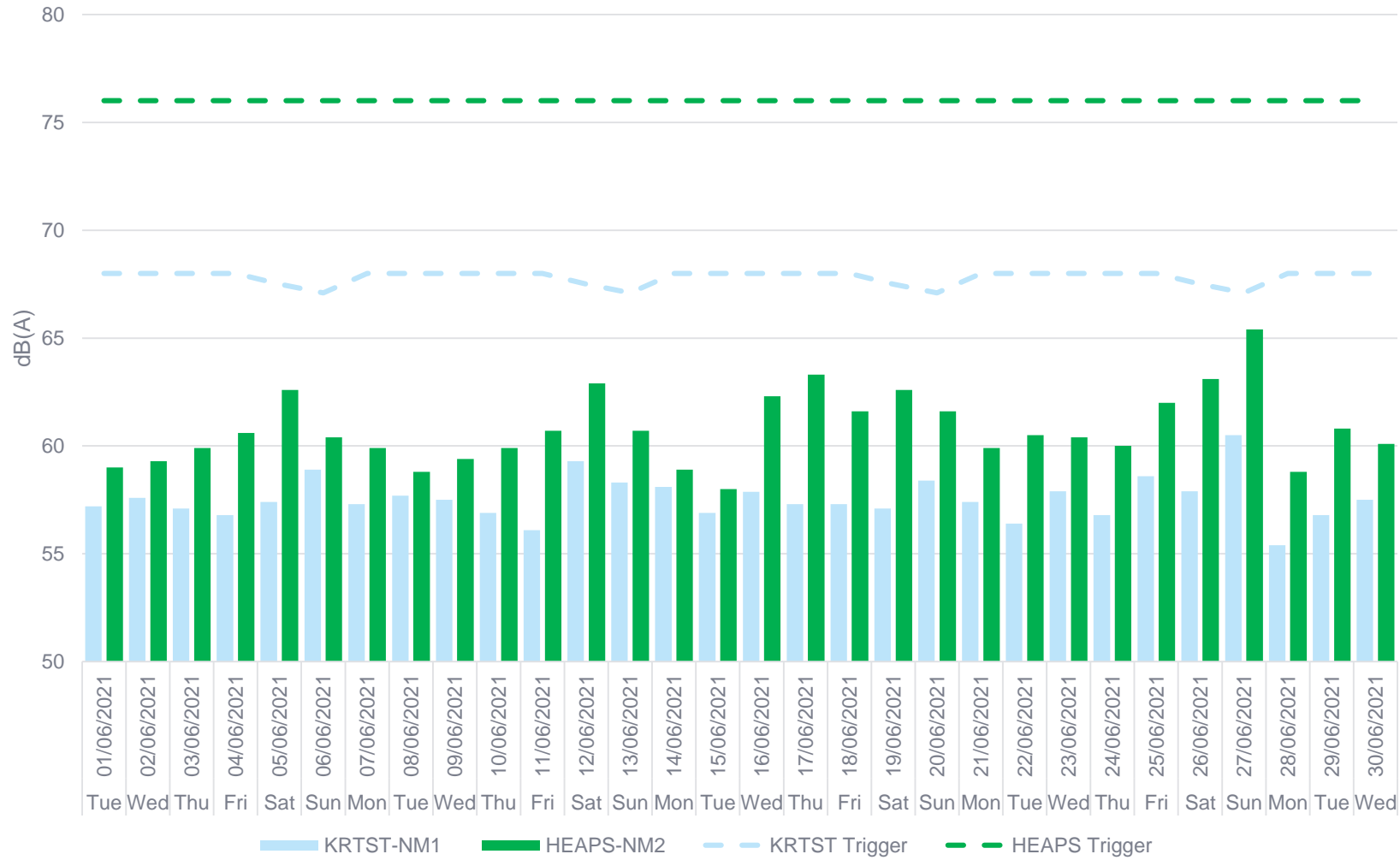
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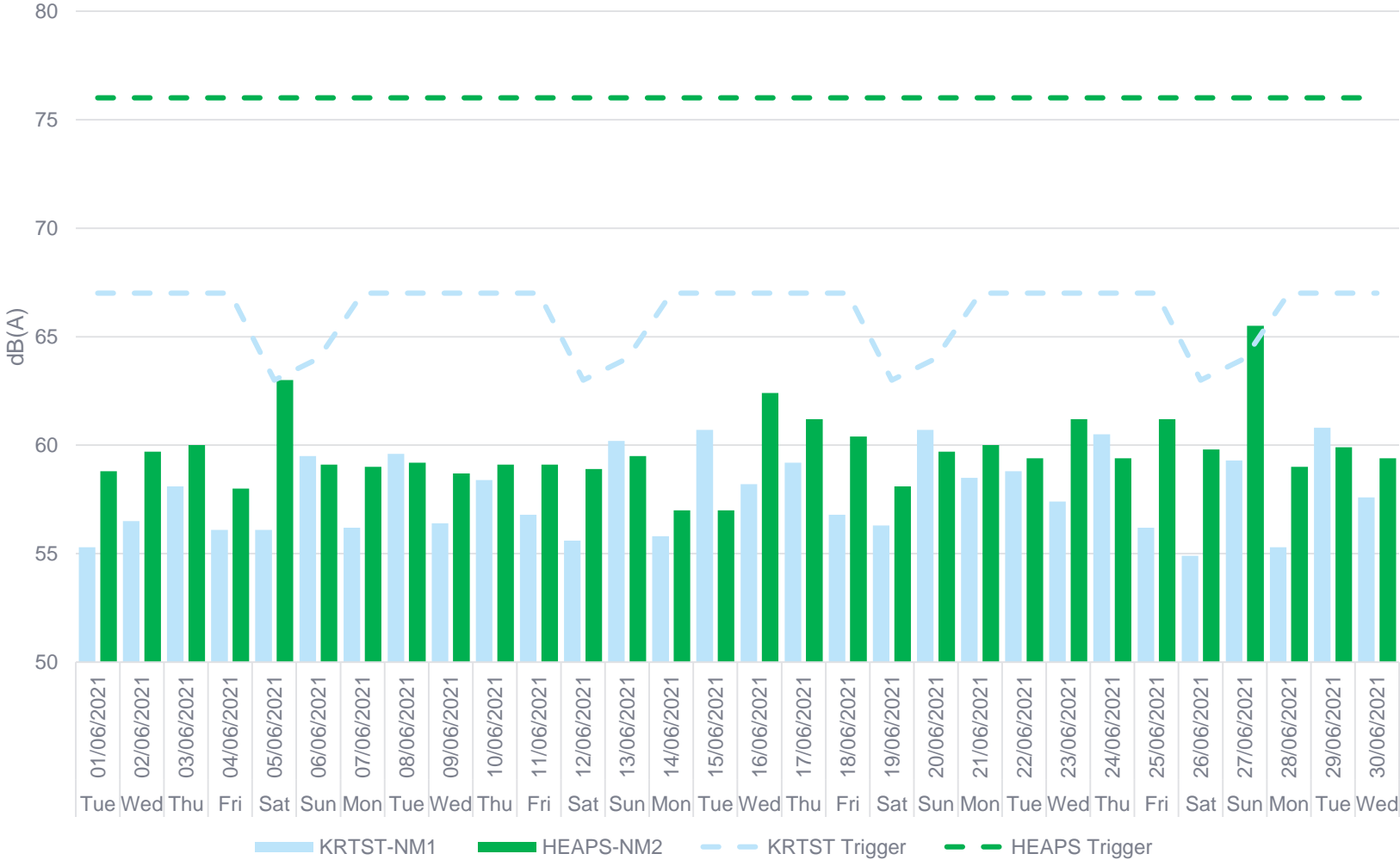
### Daytime (Core) - June'21



### Evening (Extended) - June'21

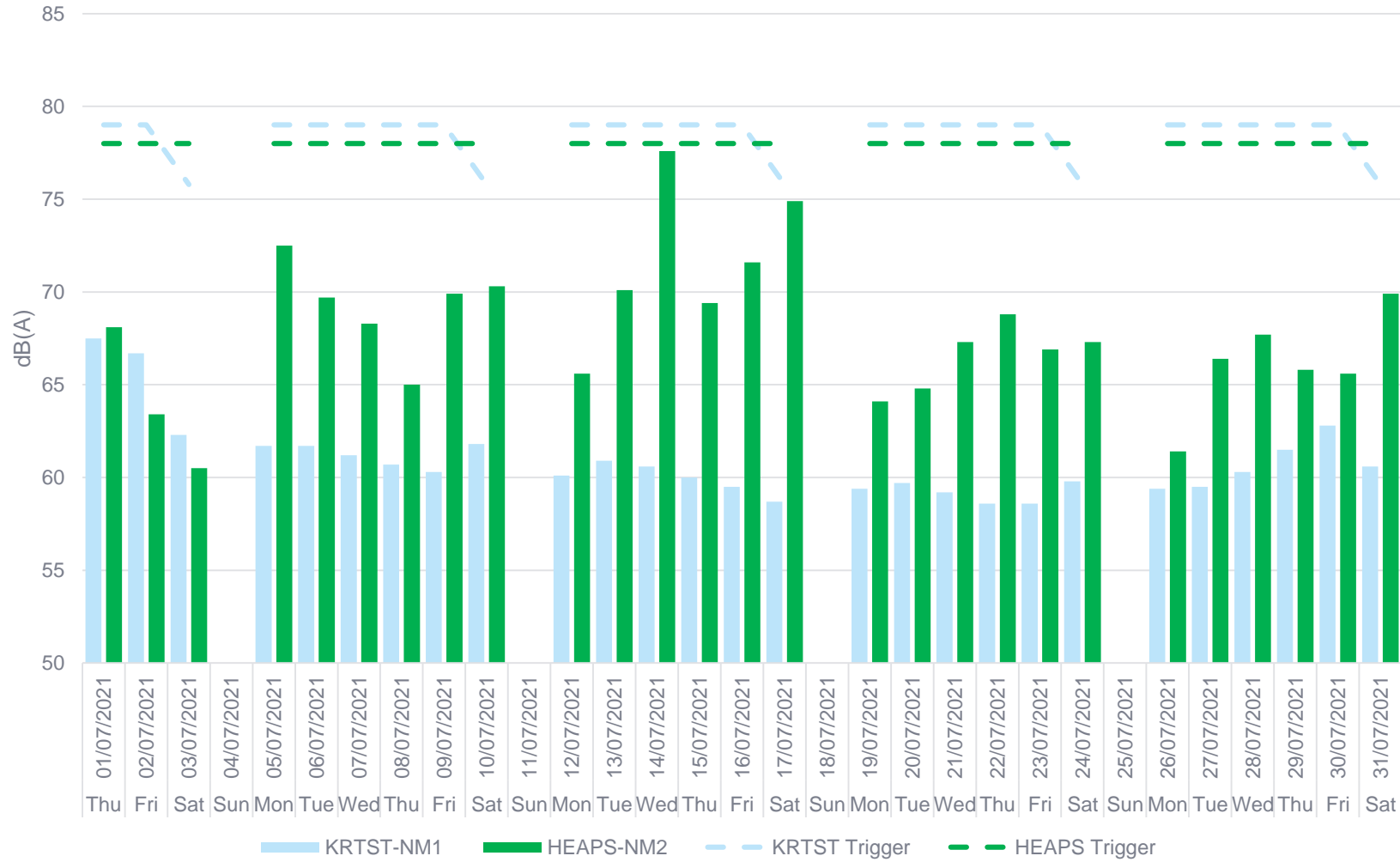


### Night - June'21

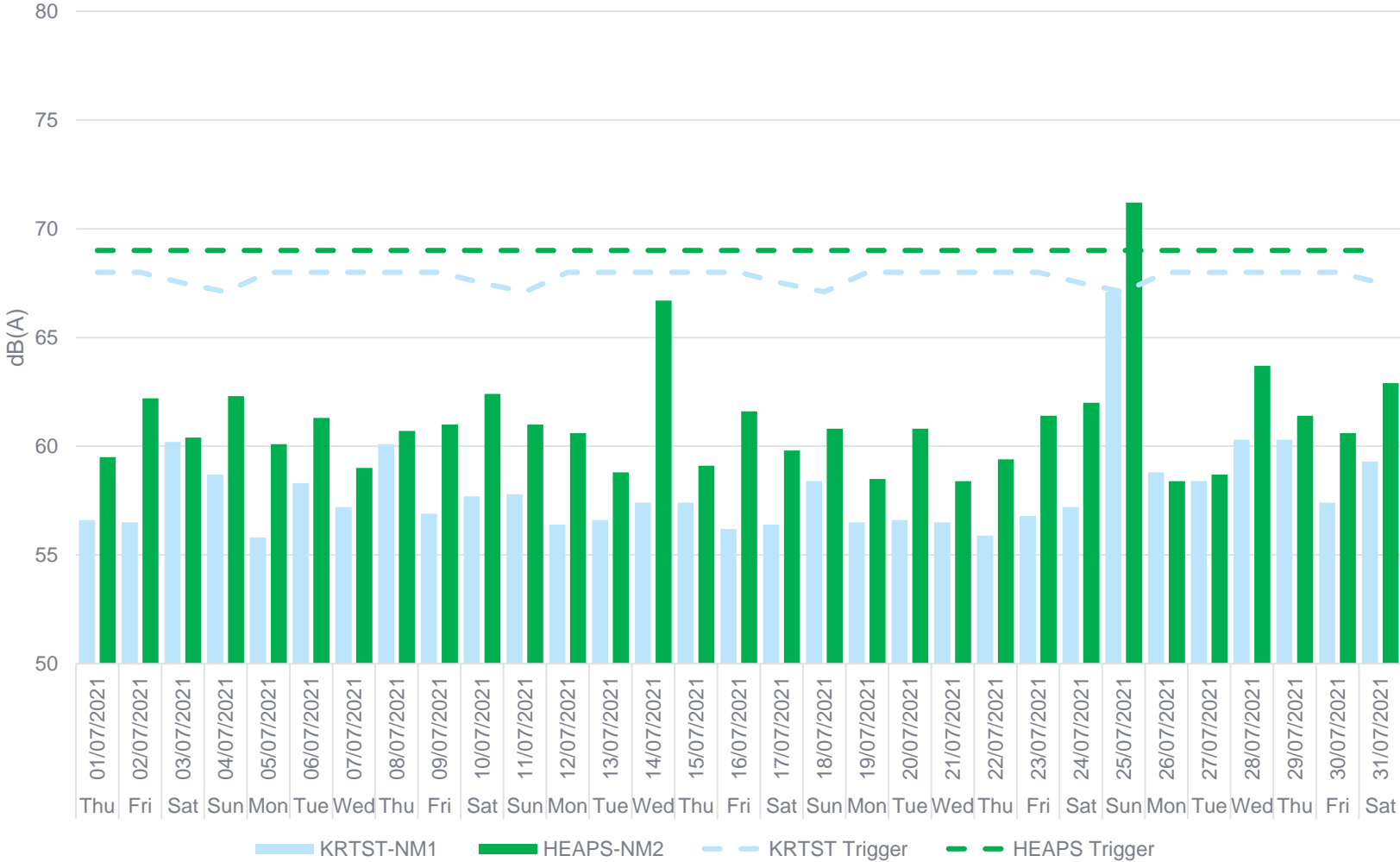




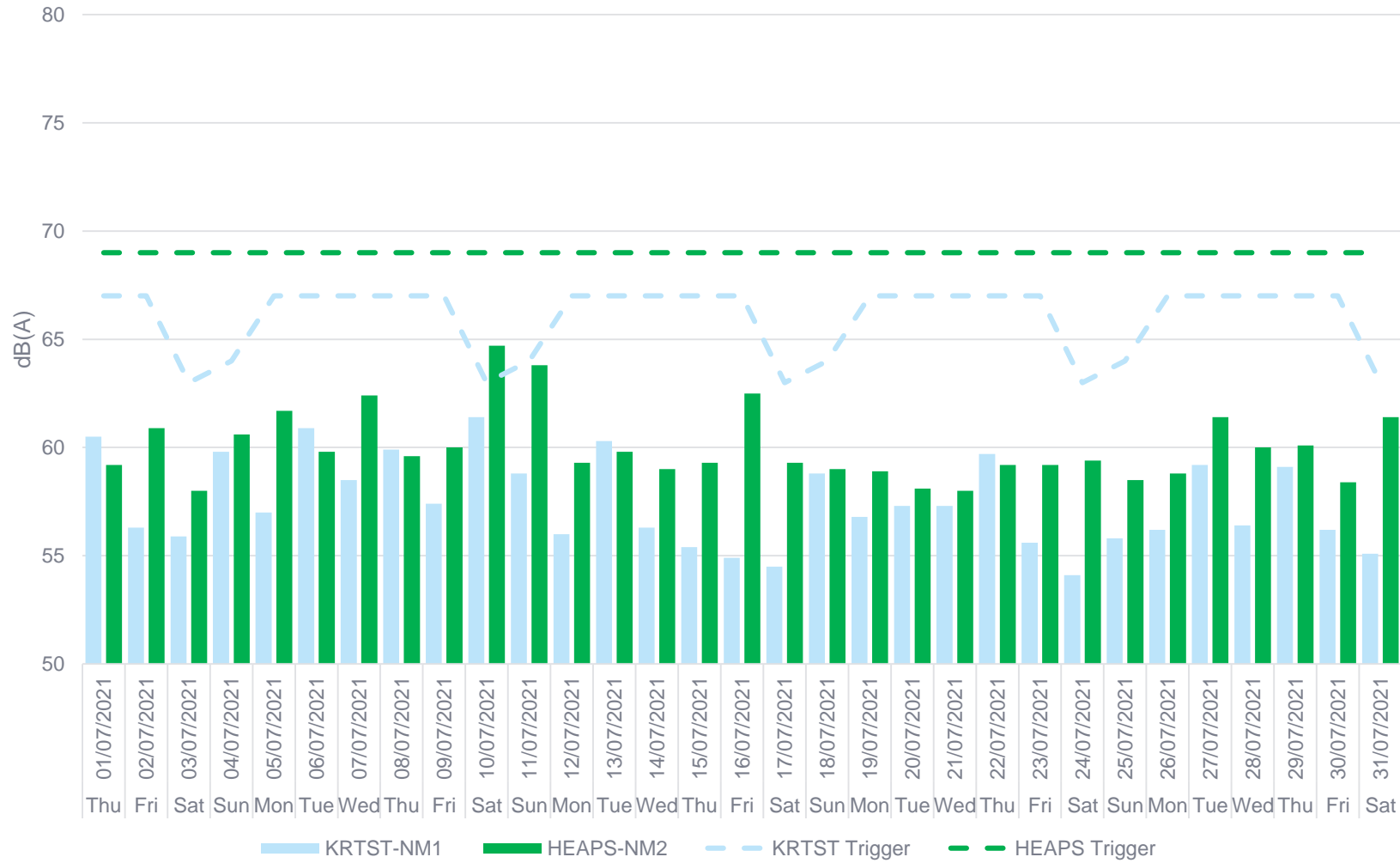
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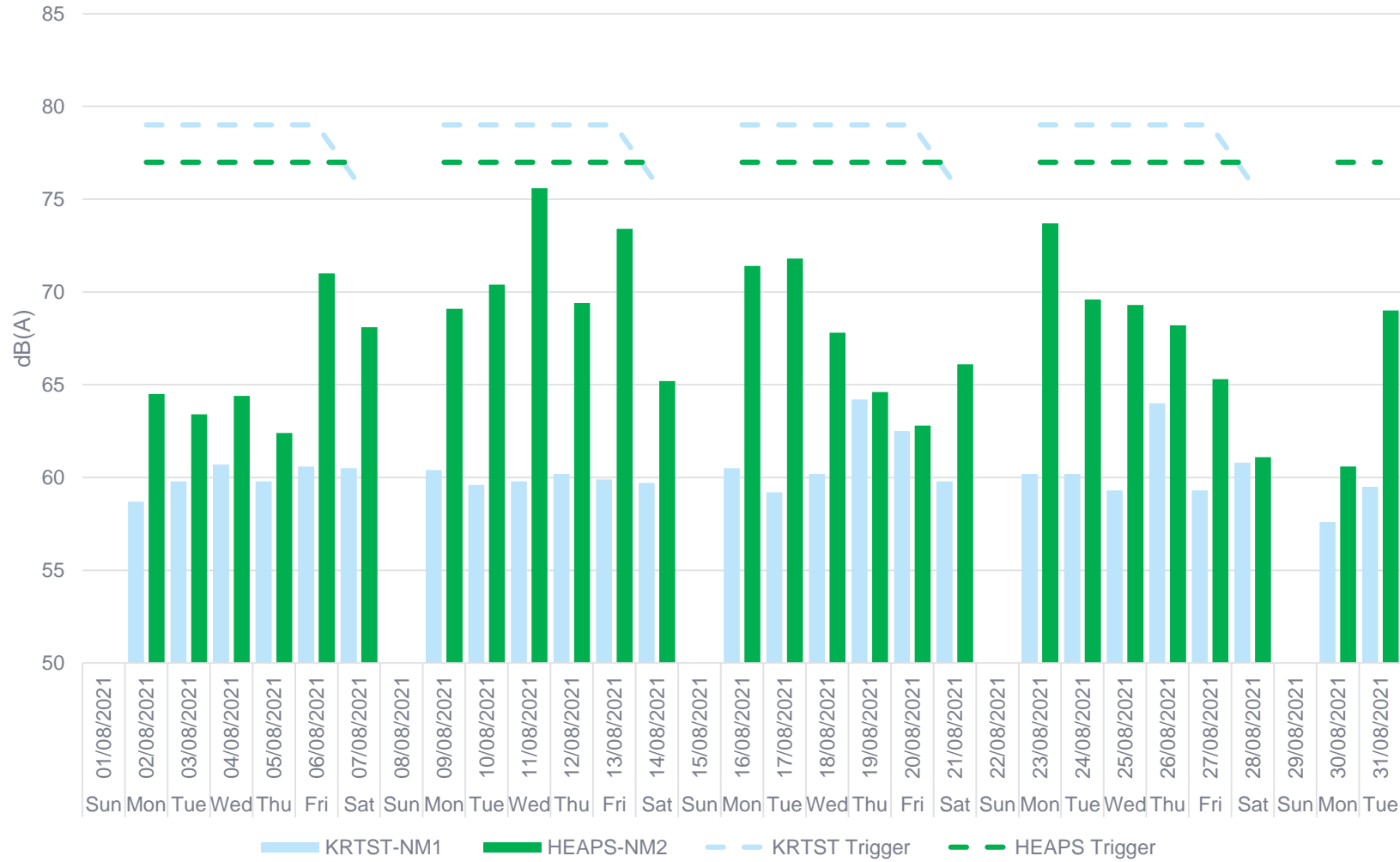
### Evening (Extended) - July'21



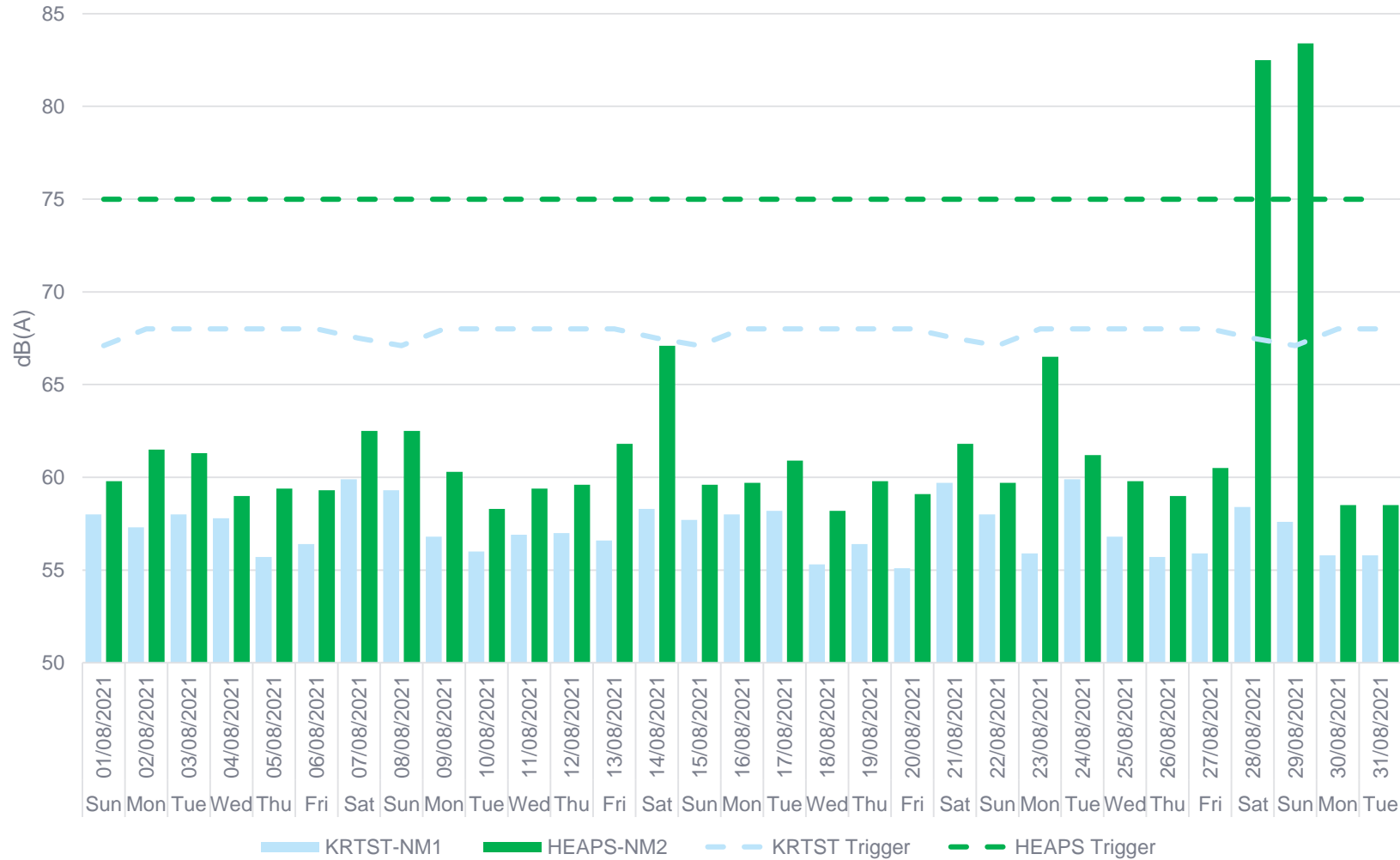
### Night - July'21



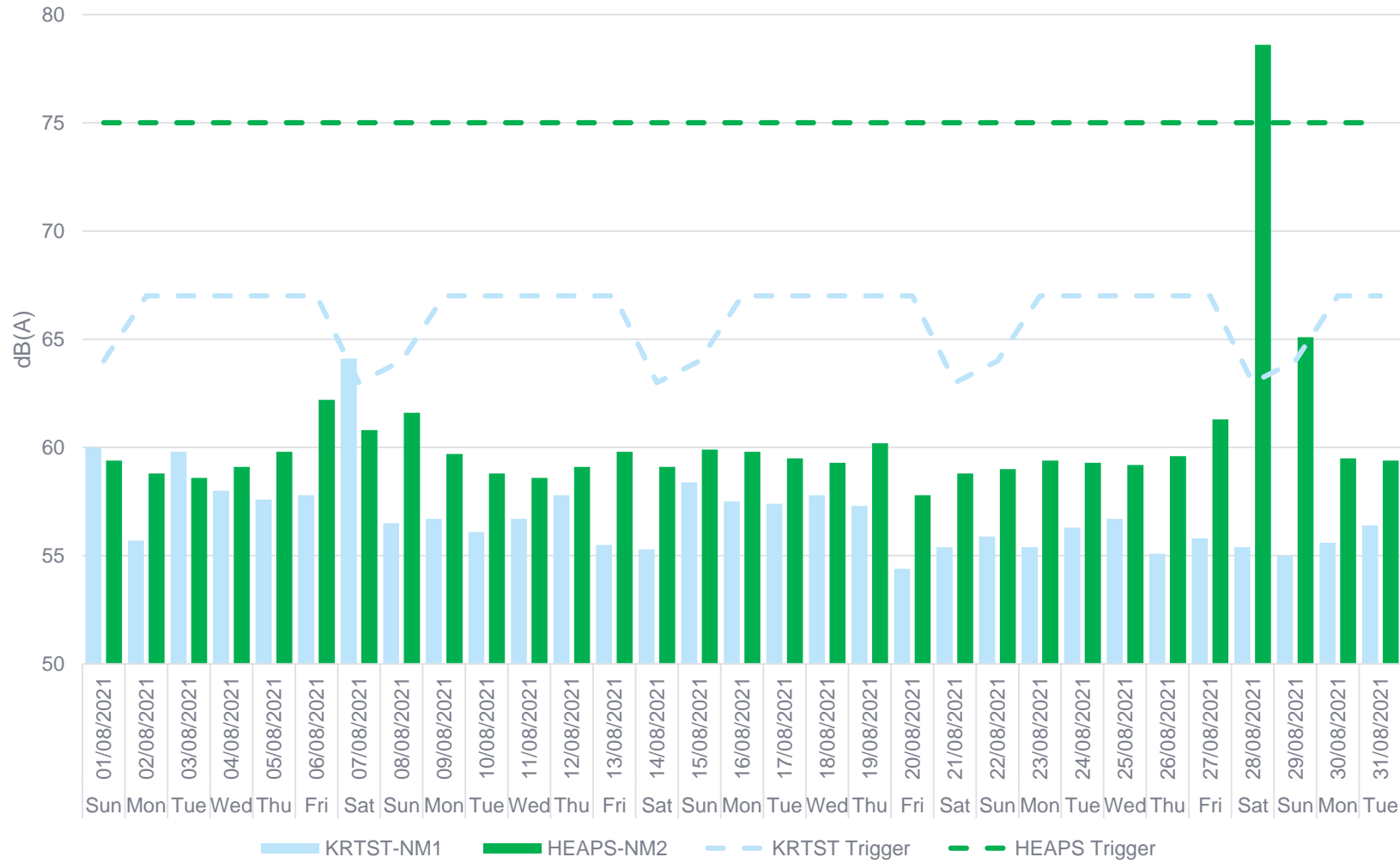
### Daytime (Core) - August'21



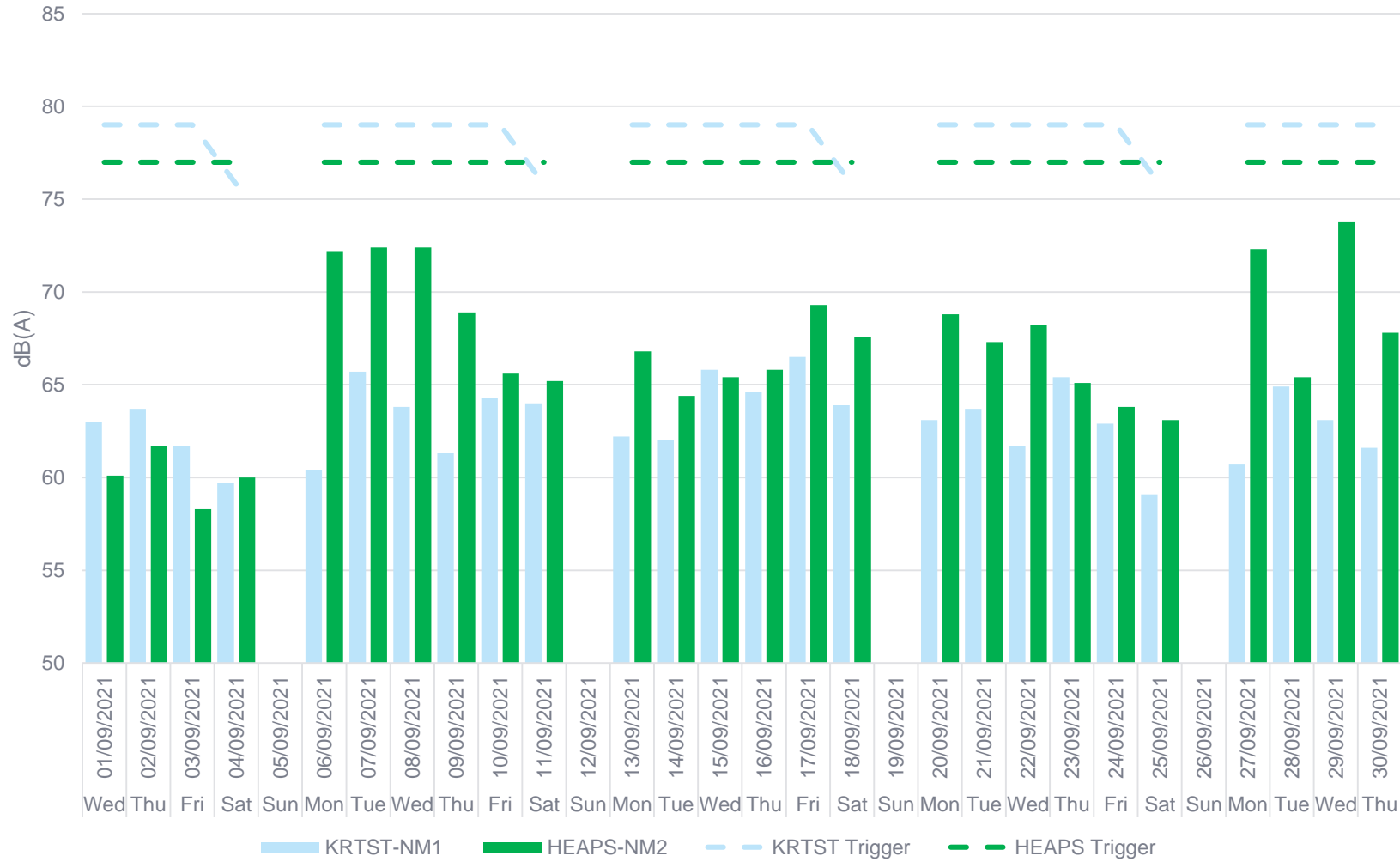
### Evening (Extended) - August'21



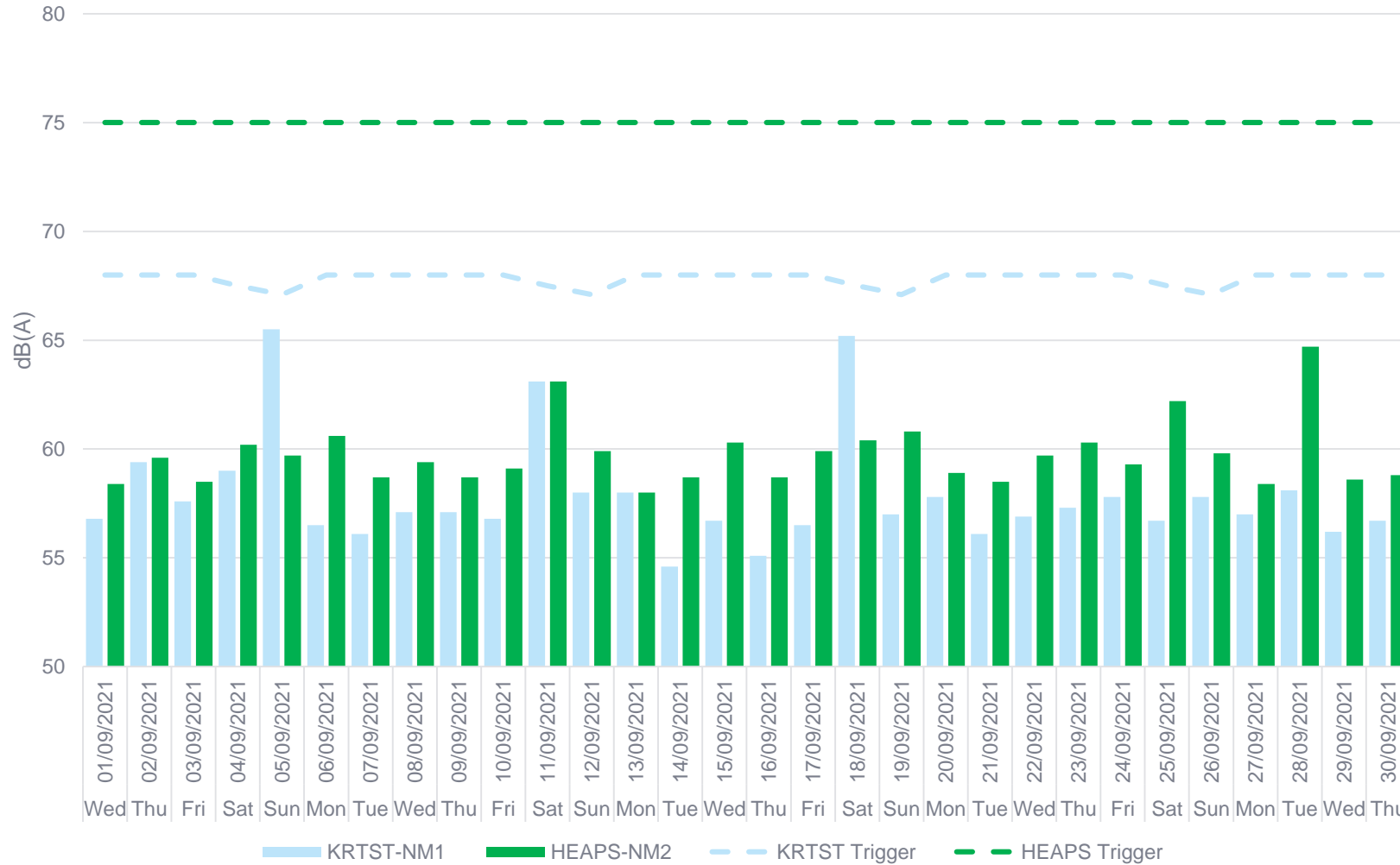
### Night - August'21



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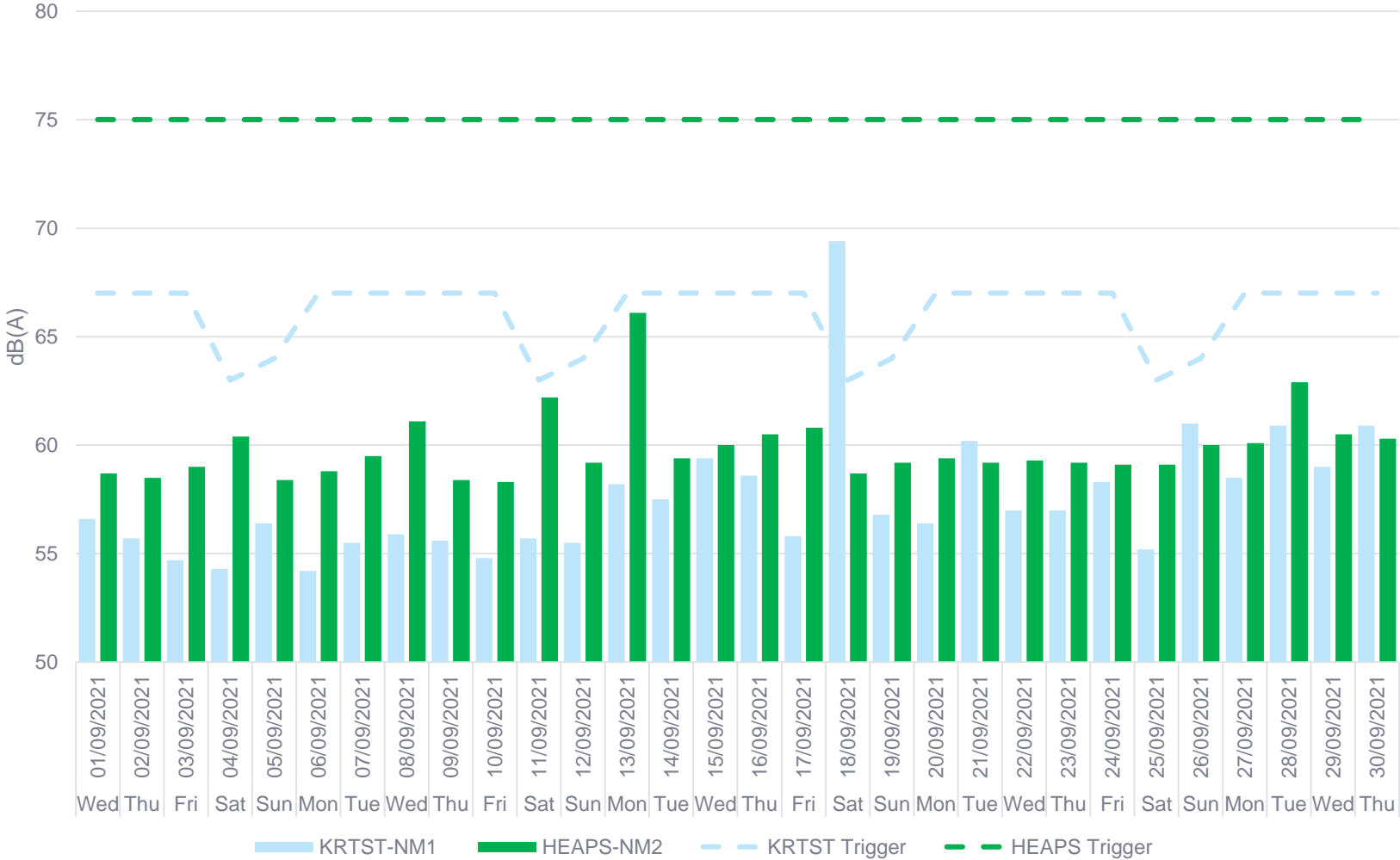


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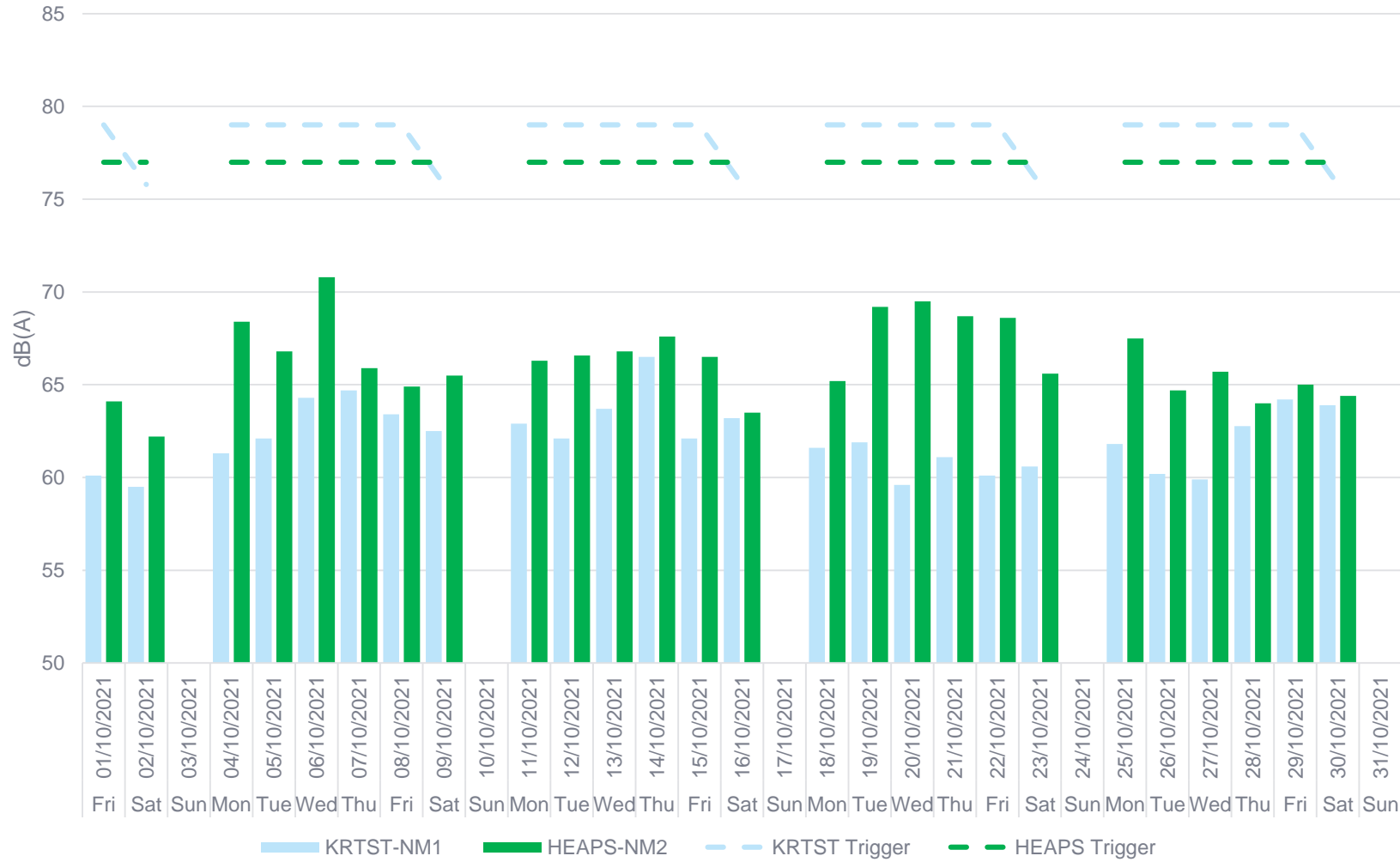




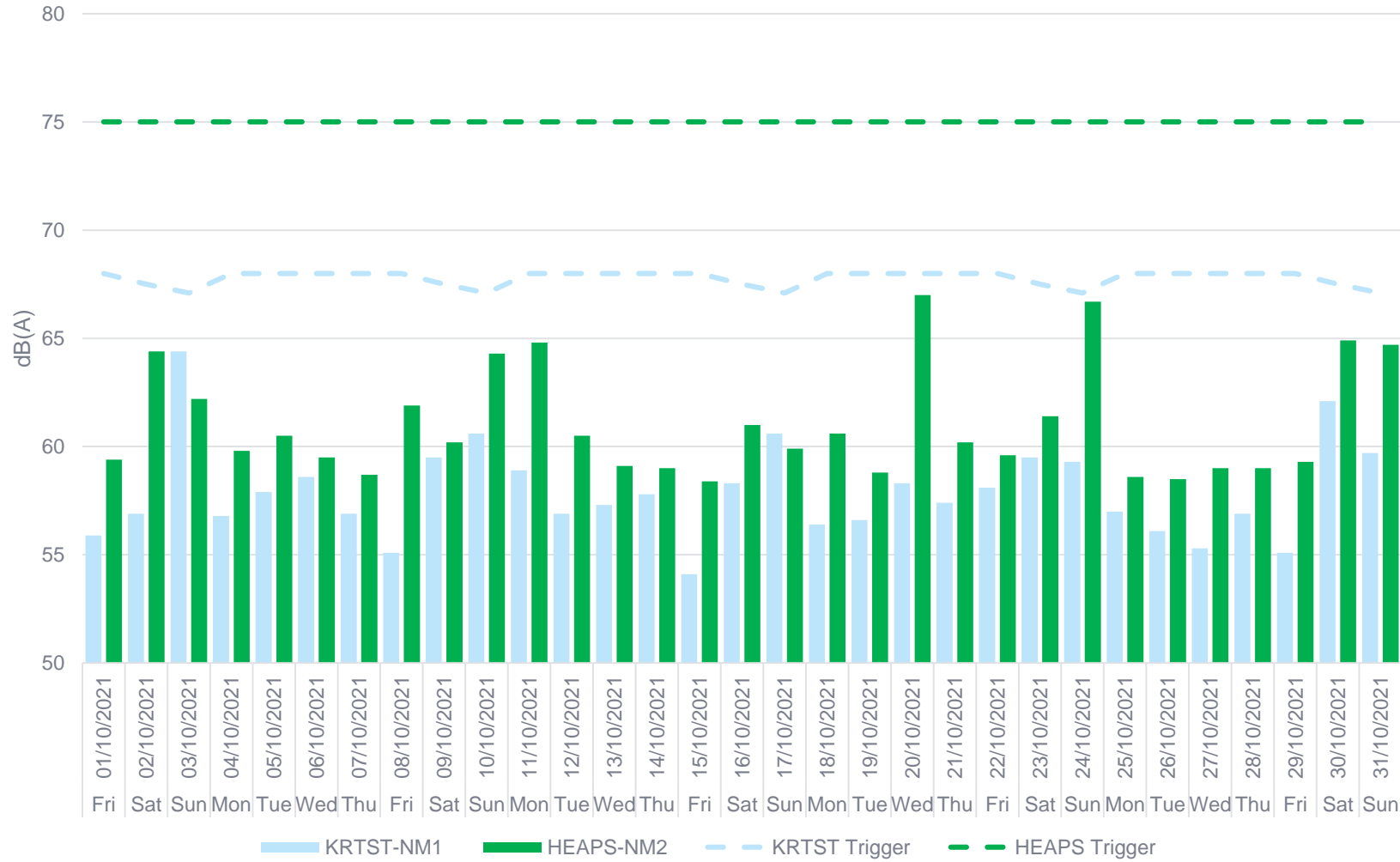
### Night - September'21



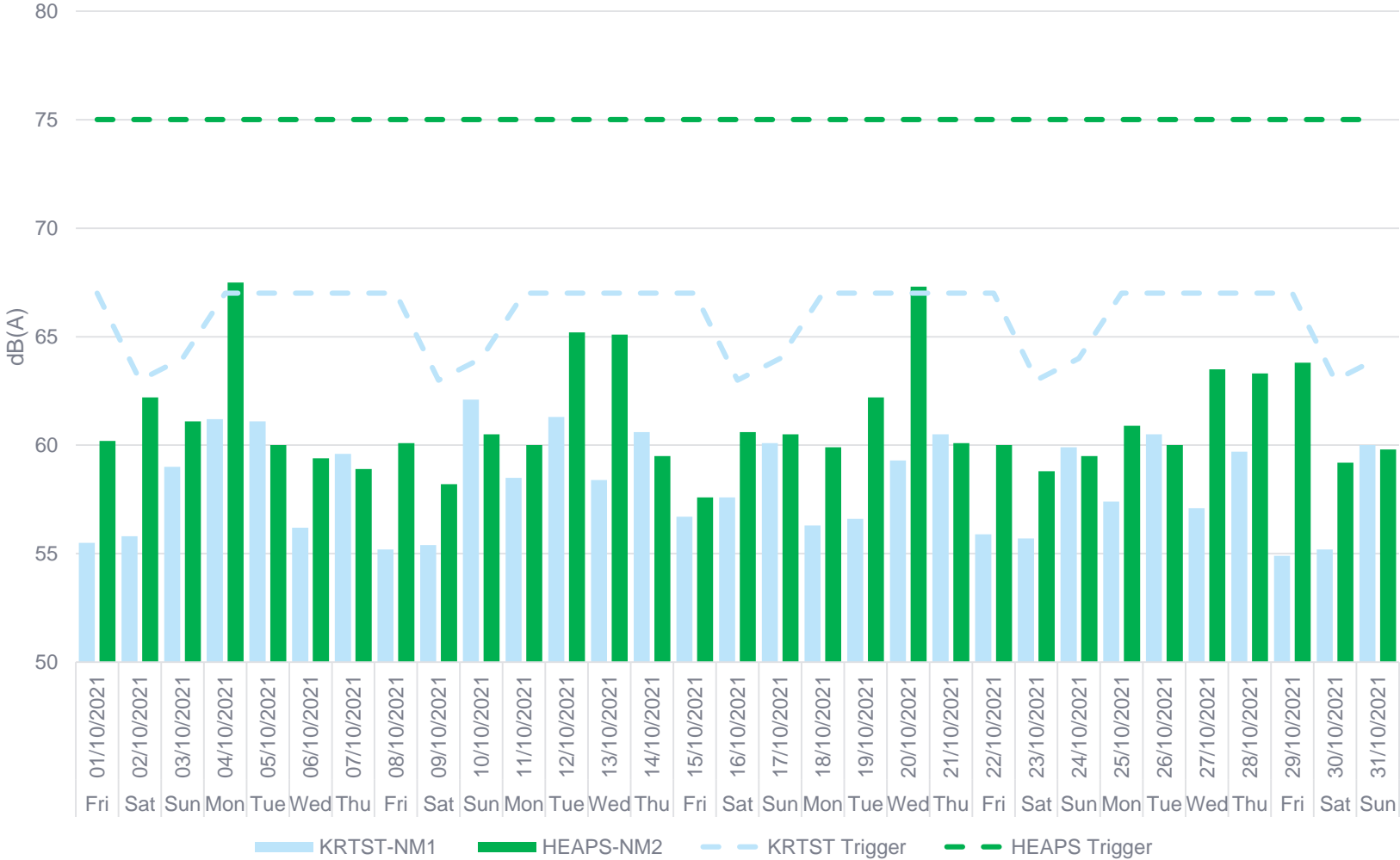
### Daytime (Core) - October'21



### Evening (Extended) - October'21



### Night - October'21

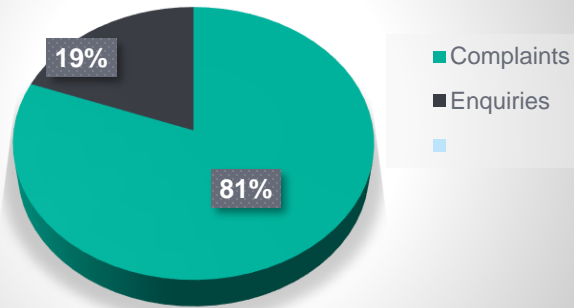


# **COMMUNITY ENGAGEMENT UPDATE**

**Alick Whitfield**  
**Community Relations Manager**

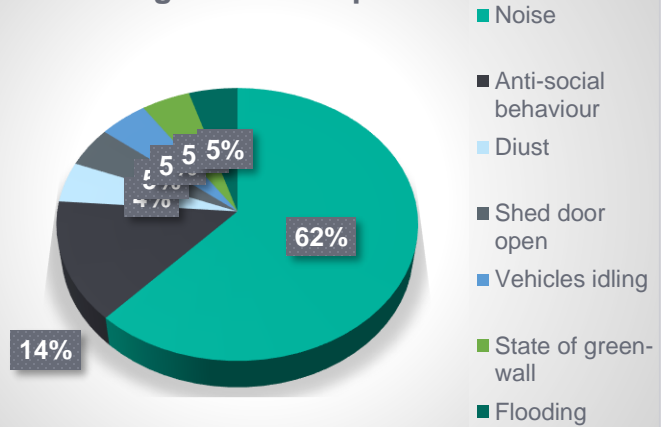
# Complaints and Enquiries May – November 2021

**Kirtling Street Complaints & Enquiries  
May – November 2021**

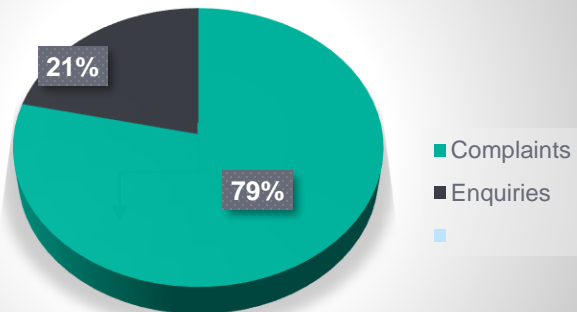


Complaints: 21 – Enquiries 5

**Kirtling Street Complaints**

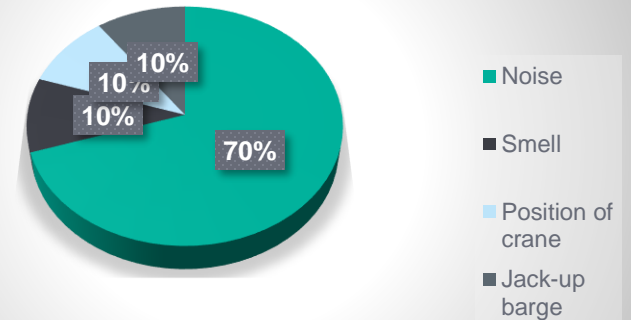


**Heathwall Complaints & Enquiries May -  
November 2021**



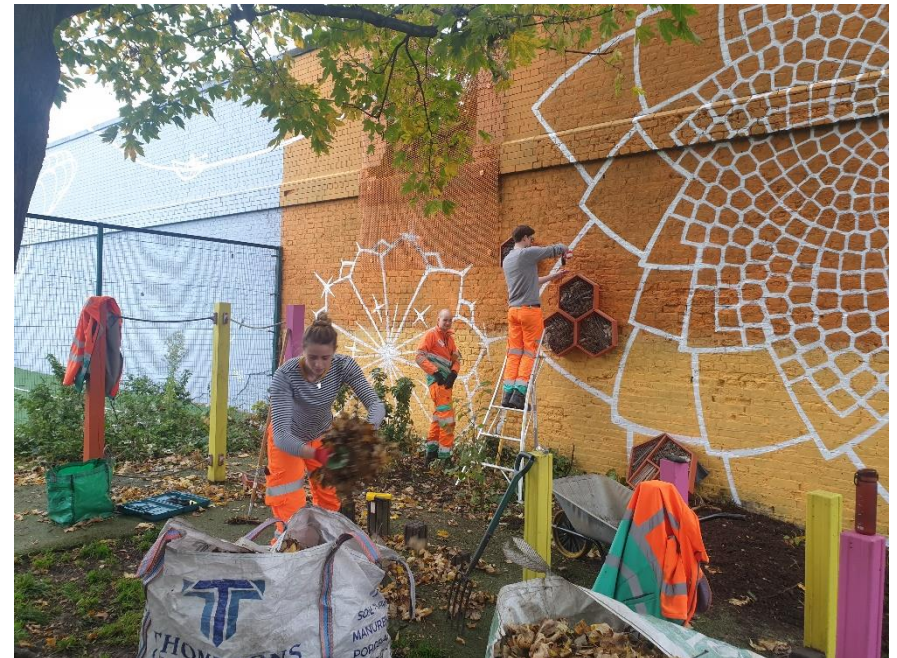
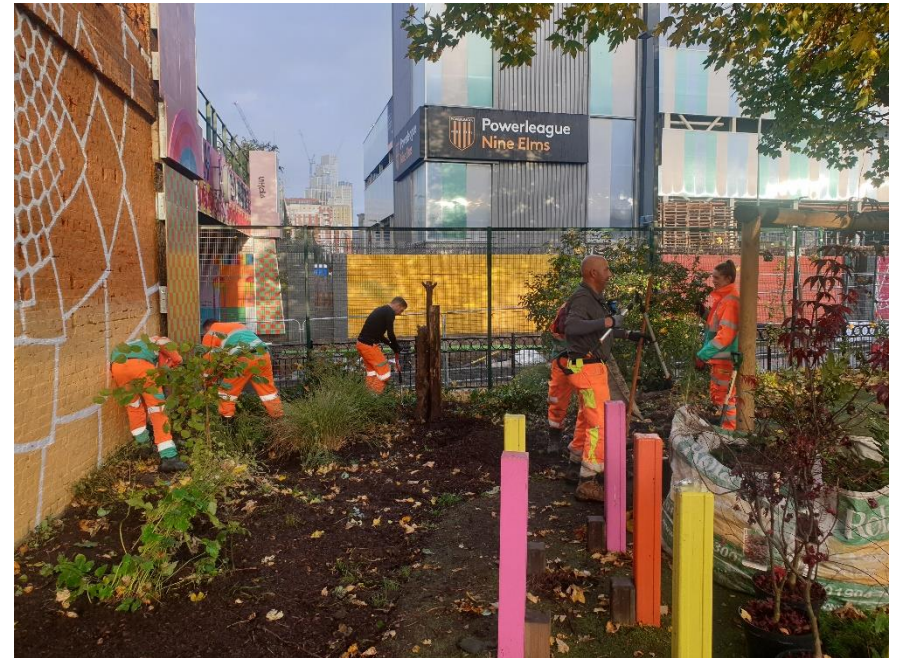
Complaints 11 – Enquiries 3

**Heathwall Complaints May - November  
2021**



# Community Engagement

- Kirtling Street Green Wall – new irrigation system installed to improve the condition
- St George’s Primary School – helped create a Happiness Garden for the children
- Working with partner organisations like Construction Youth Trust, the Katherine Low Settlement, Spiral, Urban Synergy and Uptree to deliver STEM sessions and work placements for school students
- Teams taking part in the South London Cares charity 5k run
- Christmas foodbank collection





**THANK YOU**