

KIRTLING STREET & HEATHWALL PUMPING STATION COMMUNITY LIAISON WORKING GROUP

24 January 2024



Tideway



WELCOME

Agenda

	Topic
1	Welcome, introductions and minutes
2	Project overview
3	Kirtling Street site update
3a	Q&A
4	Heathwall Pumping Station site update
4a	Q&A
5	Environmental and Noise update for both sites
6	Community Engagement update
7	Q&A

Project Overview

Georgia Boyd
Engagement Manager

Tideway Tunnel Overview



WEST SITES

- 1 Acton Storm Tanks
- 2 Hammersmith Pumping Station
- 3 Barn Elms
- 4 Putney Embankment Foreshore
- 5 Dormay Street
- 6 King George's Park
- 7 Carnwath Road Riverside

CENTRAL SITES

- 8 Falconbrook Pumping Station
- 9 Cremorne Wharf Depot
- 10 Chelsea Embankment Foreshore
- 11 Kirtling Street
- 12 Heathwall Pumping Station
- 13 Albert Embankment Foreshore
- 14 Victoria Embankment Foreshore
- 15 Blackfriars Bridge Foreshore
- 16 Shad Thames Pumping Station

EAST SITES

- 17 Chambers Wharf
- 18 Earf Pumping Station
- 19 Deptford Church Street
- 20 Greenwich Pumping Station
- 21 King Edward Memorial Park Foreshore
- 22 Bekesbourne Street
- 23 Abbey Mills Pumping Station
- 24 Beckton Sewage Treatment Works

SITE TYPES

- ○ ○ Main tunnel drive site
- ● ● CSO site
- Main tunnel reception site
- System modifications
- Main tunnel (West)
- Main tunnel (Central)
- Main tunnel (East)
- Connection tunnels
- Lee Tunnel
- ◀ Proposed drive direction

TIDEWAY ROUTE MAP

25
kilometres long

Travelling from west to east London, the main tunnel will be 25km long. Two connection tunnels will be 4.6km and 1.1km long.

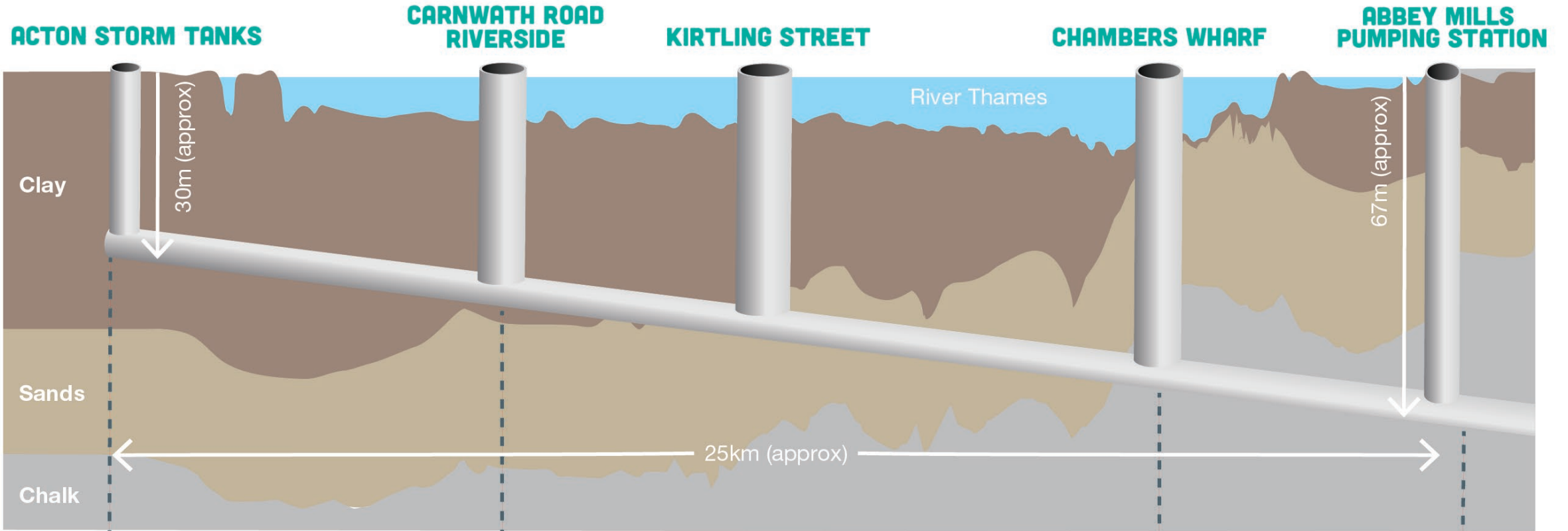
7.2
metres wide

The main tunnel will have an internal diameter of 6.5 metres between Acton Storm Tanks and Carnwath Road Riverside. It will have a 7.2 metre internal diameter at Abbey Mills Pumping Station. The Greenwich connection tunnel will have a 5 metre internal diameter and Frogmore connection tunnel will be 2.6 metres.

66
metres deep

The tunnel needs to fall one metre every 790 metres so it can be self-cleaning. Starting from 30 metres deep at Acton Storm Tanks, it will finish 66 metres deep at Abbey Mills Pumping Station.

Tunnelling through London



WEST

Tideway

bam nuttall MORGAN SINDALL Balfour Beatty

CENTRAL

Tideway

ferrovial agroman LAND O'ROURSE

EAST

Tideway

COSTAIN VINCI CONSTRUCTION GRANDS PROJETS BACHY SOLETANCHE

System Integration: **amey**

Progress highlights

- Out of tunnels and shafts in the west and almost out of tunnels and shafts in the central section
- Architecture and landscape is well underway at most of our West and Central sites
- Carnwath Road shaft lid has been completed
- Cofferdam removal is complete at Victoria – the picture to the right shows the final piles that have now been removed
- Cofferdam removal is progressing at Chelsea, Albert, King Edward Memorial Park. Blackfriars to recommence this month.
- Acoustic shed removal underway at Greenwich and started at Chambers Wharf last week



VICTORIA EMBANKMENT

Progress highlights in Central section



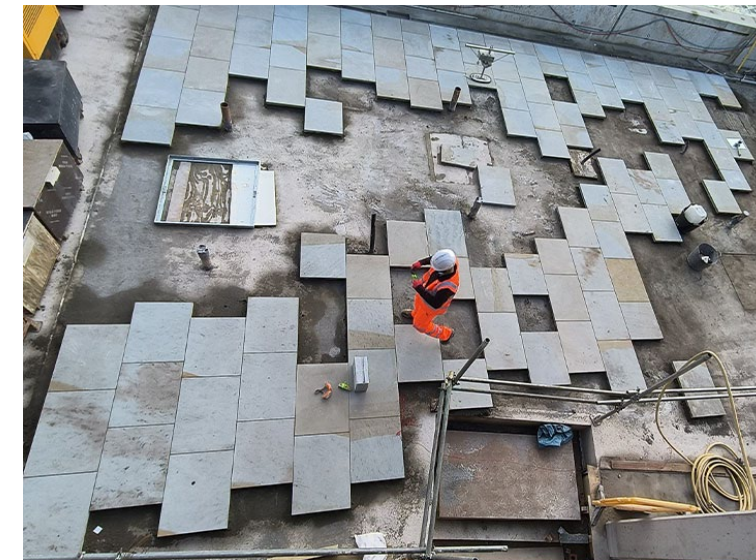
FALCONBROOK



**CHELSEA EMBANKMENT
FORESHORE**



VICTORIA EMBANKMENT



BLACKFRIARS

KIRTLING STREET UPDATE

Ignacio Tognaccini
Tunnel Project Manager

Aug 2023

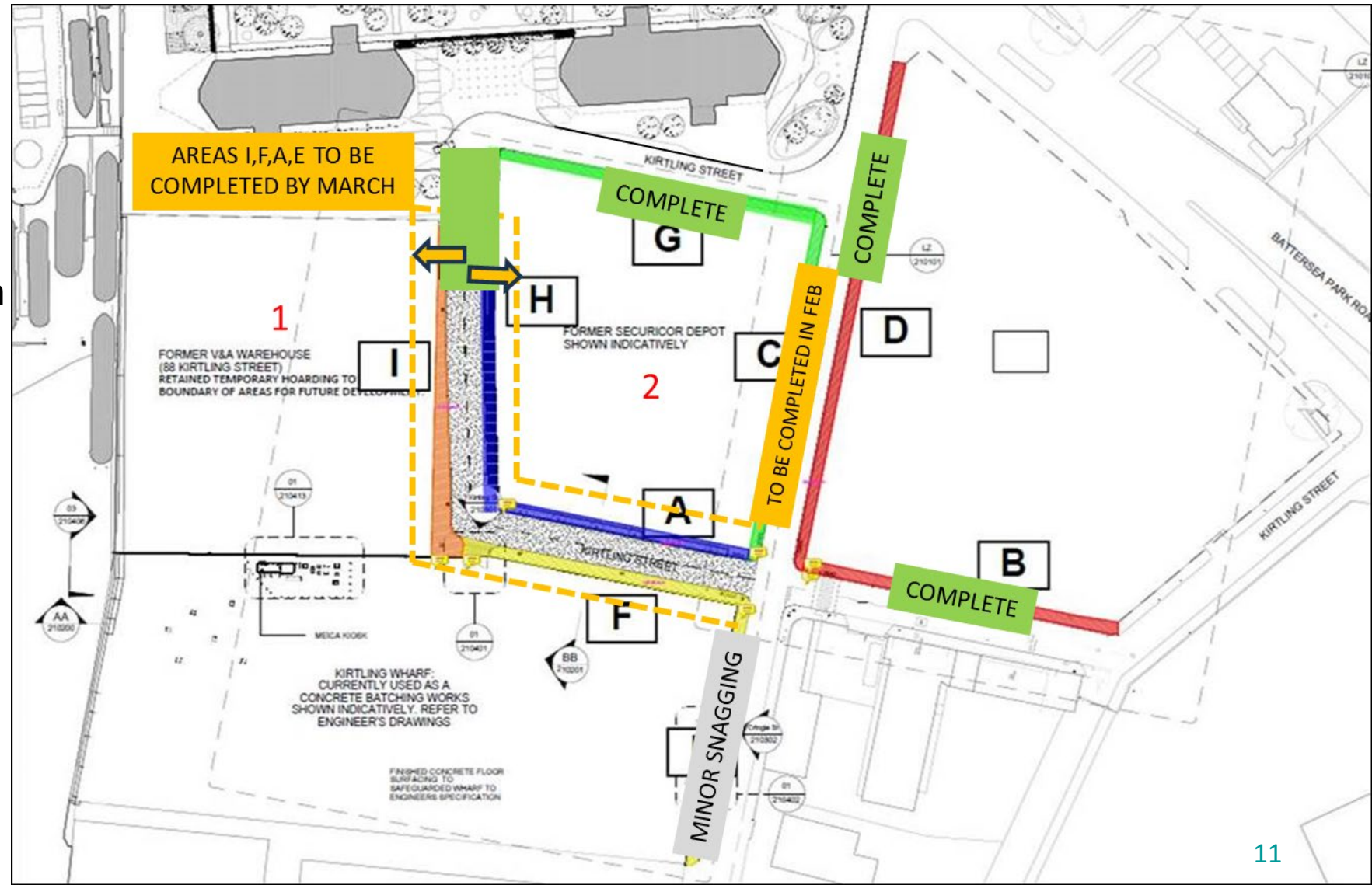


Jun 2019

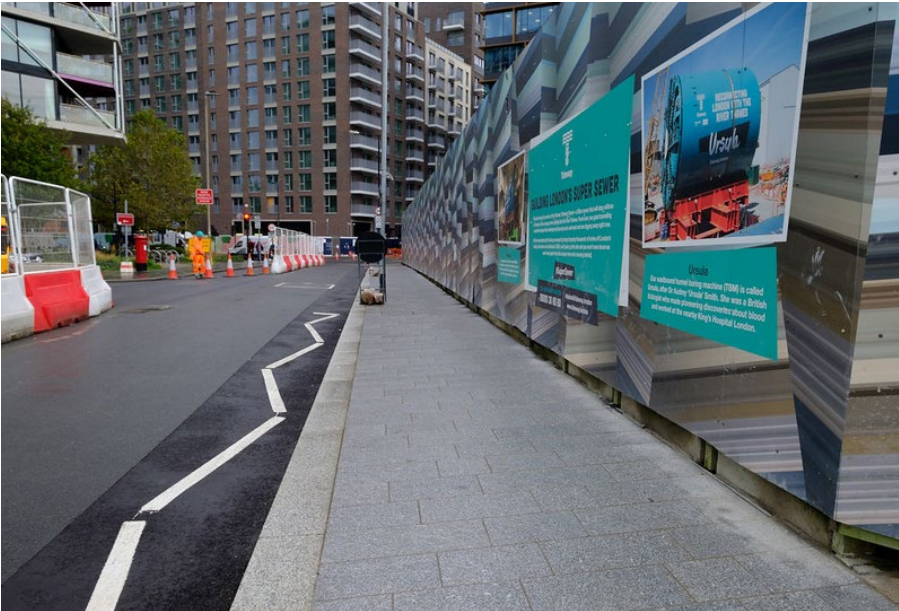


KRTST- Architecture and Landscaping Phase

- Footpath renovation works at Kirtling St and Cringle St - almost complete
- Kirtling St road reinstatement - Completion scheduled for March 2024.
- Kirtling St will be partially open to allow permitted access to areas 1 and 2. The rest of the road will remain closed.
- Outstanding items: lamp posts, bus stop signal and minor snagging on footpaths.



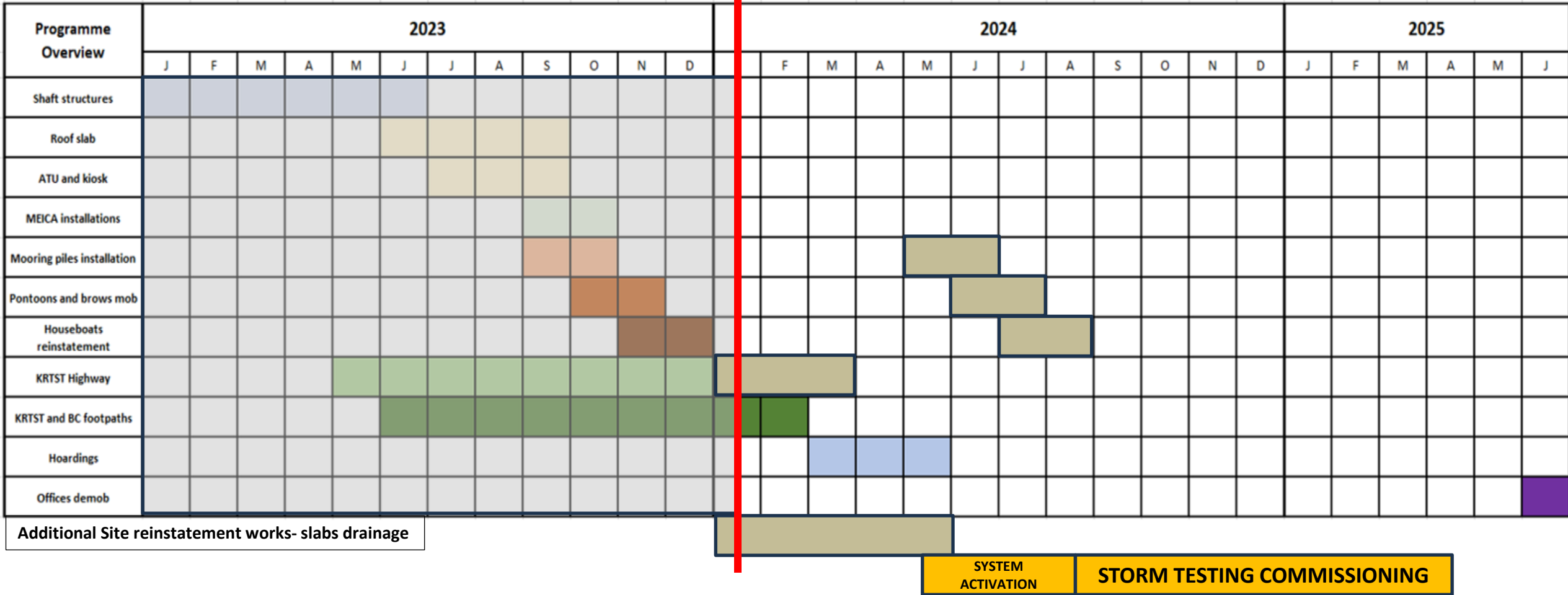
KRTST- Progress Pictures



KRTST- Progress Pictures



Kirtling Street Target Programme



Questions?



HEATHWALL PUMPING STATION UPDATE

Francisco Pimentel
Heathwall Project Manager

Heathwall Pumping Station Overview

Aug 2023



Jun 2019



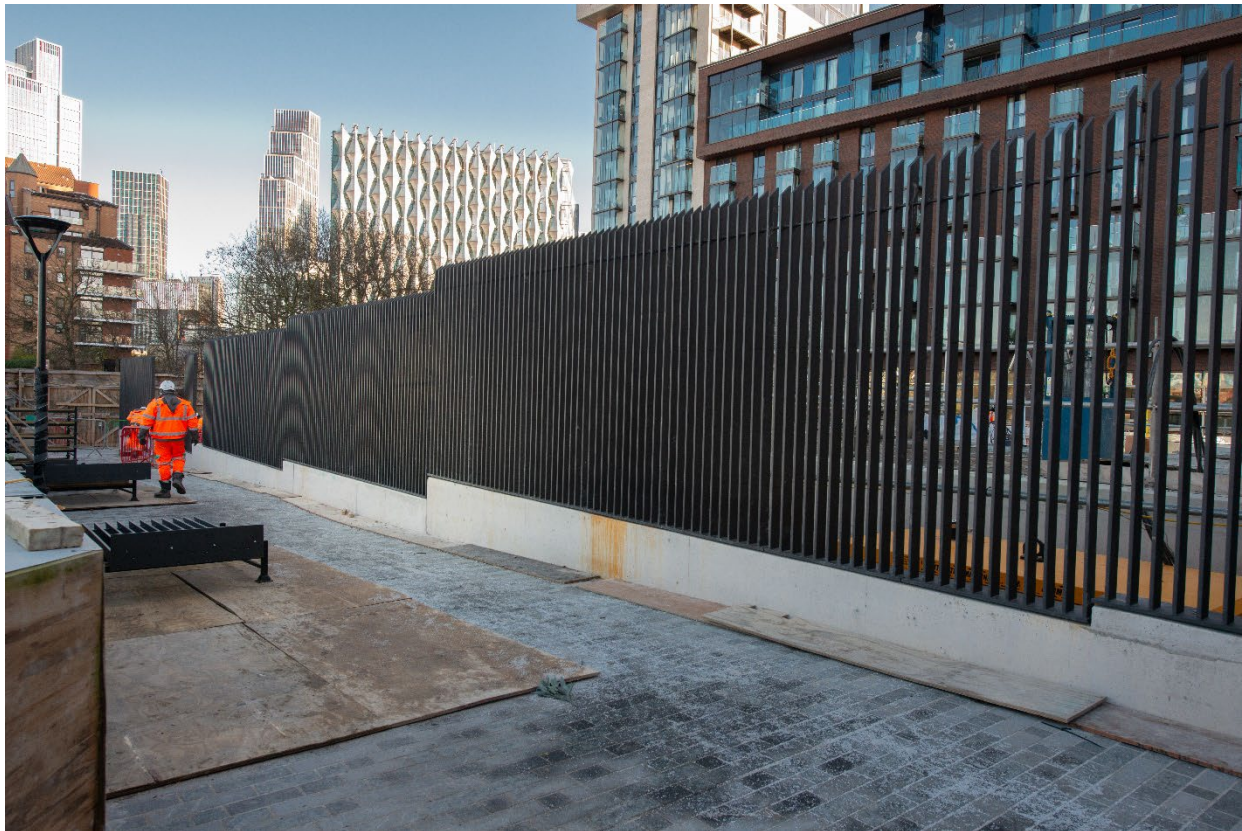
Heathwall Pumping Station Overview

Recent Progress



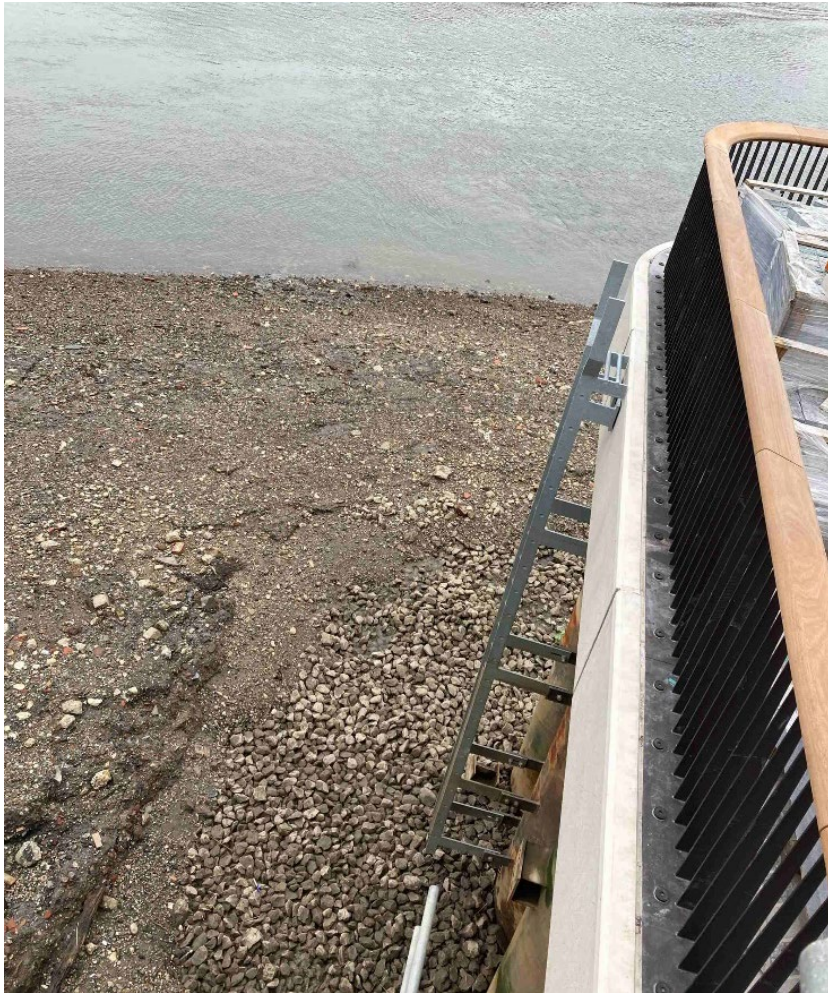
Heathwall Pumping Station Overview

Recent Progress



Heathwall Pumping Station Overview

Recent Progress

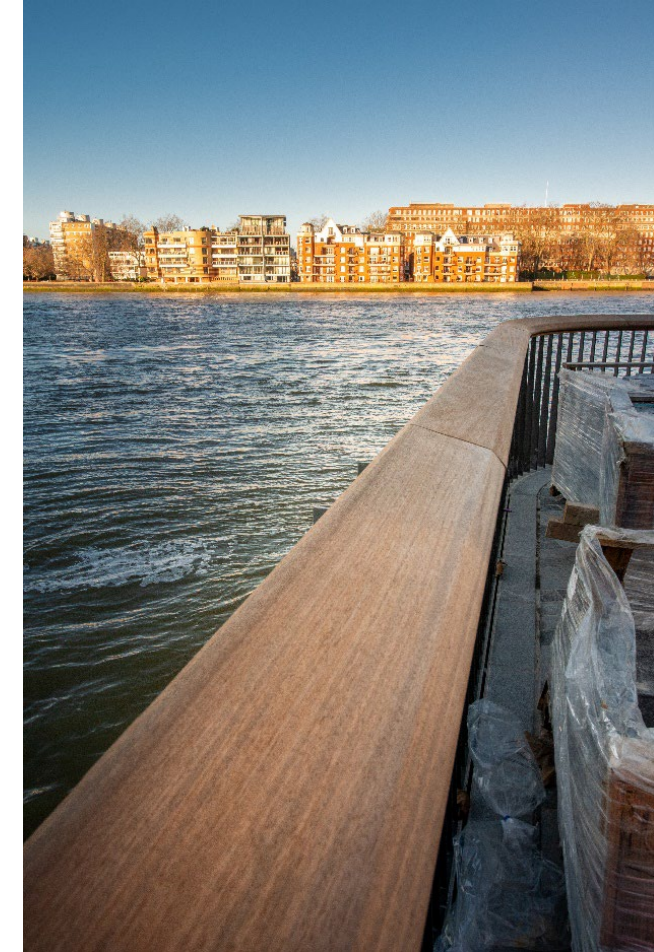


Heathwall Shaft & Tunnels Progress

- 3D scans of Chambers and Shafts
- All snags addressed inside chambers and shafts
- Completion of Scour Protection Phases I and II
- Testing of hydraulic systems
- Minor Civils including paving slabs, drainage, electrical and water supply, parapets, gate foundations etc is ongoing
- A&L Subcontractor – paving nearing completion. Brick wall, fence and gate installation is ongoing
- Marine furniture installation ongoing



Fence installation behind carbon filter and vent columns



Balustrade in the foreshore area

Heathwall Target Programme

Heathwall Target Programme 2023 - 2024

Programme overview	2023							2024											
	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Marine Scour protection Install	█	█	█	█	█	█	█	█				█	█	█	█				
Minor Civils works	█	█	█	█	█	█	█	█	█	█	█								
Decommissioning of Outfall Diversion													█	█	█				
Landscaping and site Reinstatement	█	█	█	█	█	█	█	█	█	█	█								
MEICA installation	█	█	█	█	█	█	█												
TFL reinstate footpath on nine elms lane													█	█	█				



Questions?

ENVIRONMENTAL UPDATE

Alick Whitfield
(on behalf of Anna - Site Environmental Lead)

How we are managing the sites

- EU emissions stage V and IV plant
- Implementing a Circular Economy approach – selling and reusing equipment, materials and products.
- Biofuel (Hydro-treated Vegetable Oil) used at Heathwall Pumping Station site, reducing around 85% of CO2e emissions
- Reduction in plant presence
- Diversion of waste from landfill
- Metal recycled on site, reducing product delivery and waste disposal vehicles

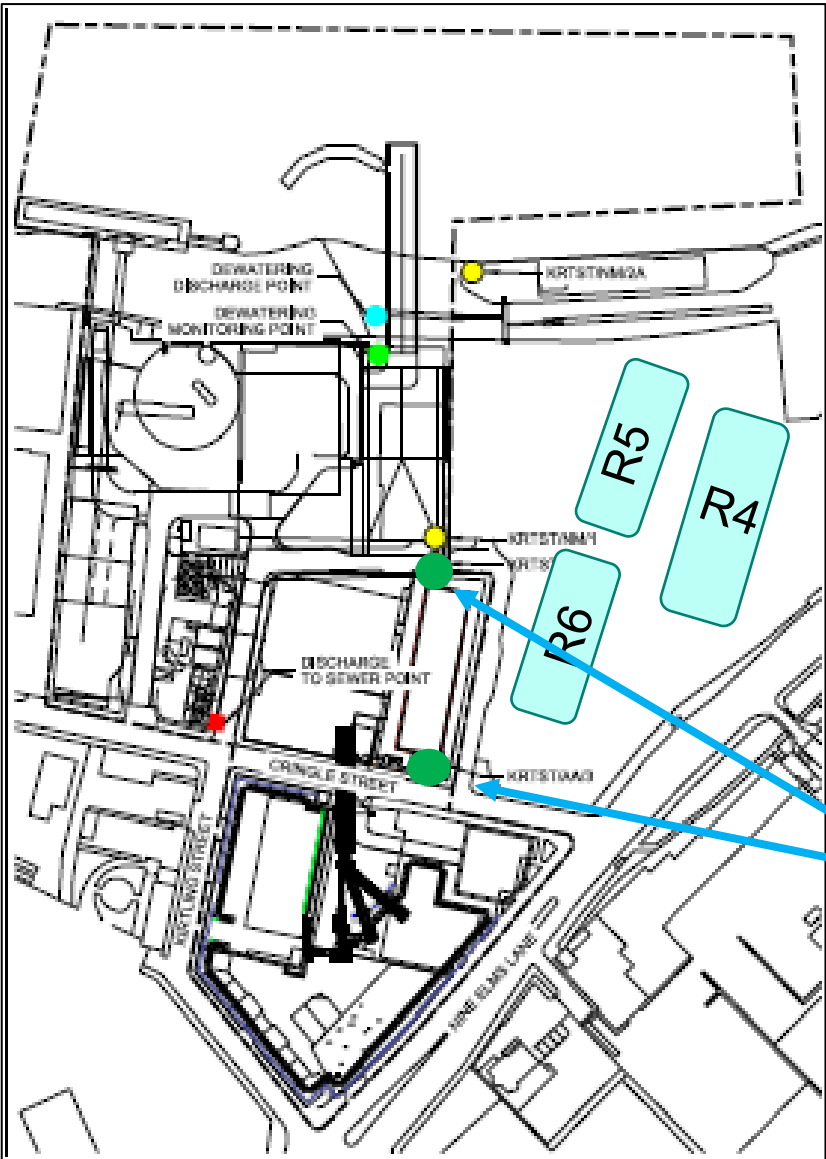


Rightway Award

- In September 2023, FLO team won Rightway Award – Environmental Initiative of the Year
- The award recognised our efforts towards Circular Economy and Waste Minimisation
- Thousands of tonnes of materials and equipment have been saved from waste disposal through donation, reuse on other projects, and reselling.



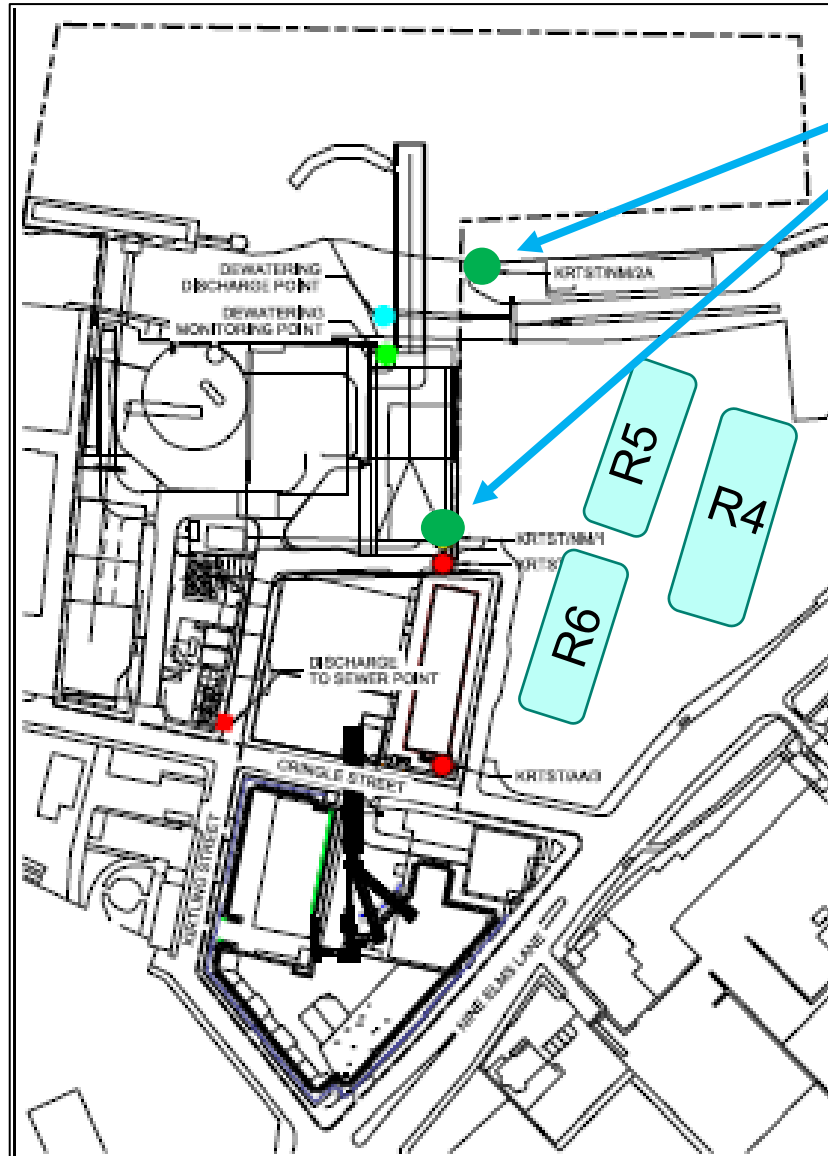
Kirtling Street Air Quality Monitoring



October-December 2023
1 exceedance 12/10/23 at 13:00

Air Quality Monitors

Kirtling Street Noise Monitoring

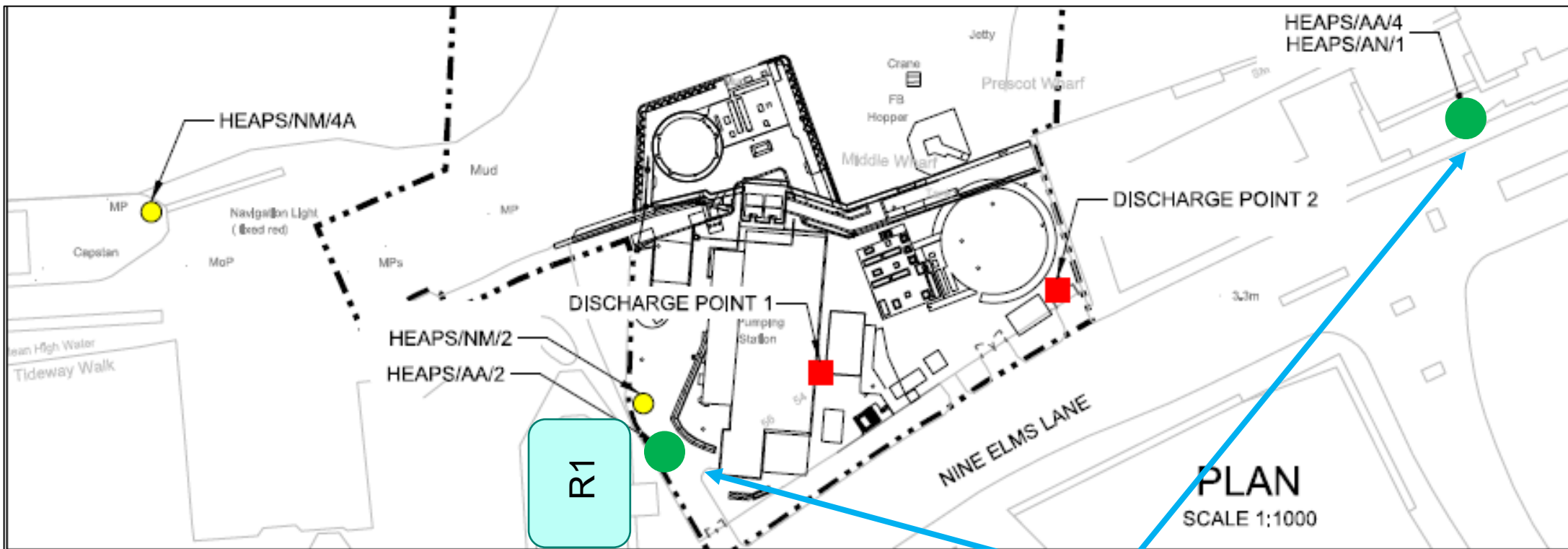


Noise Monitors

October-December 2023

1 exceedance: 31/10/23 Vac-Ex
for road reinstatement

Heathwall Pumping Station Air Quality

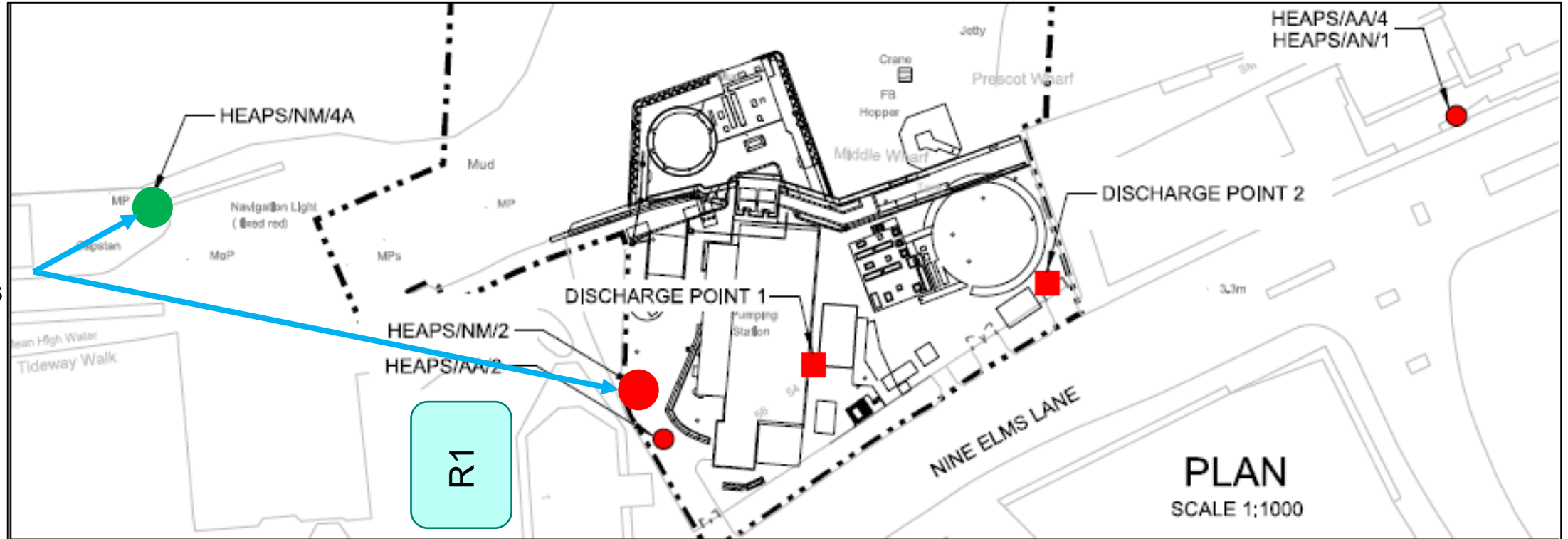


October-December 2023

3 exceedances:
13/11/23 at 08:00, 09:00
10/10/2023 at 09:00

Air Quality Monitors

Heathwall Pumping Station Noise

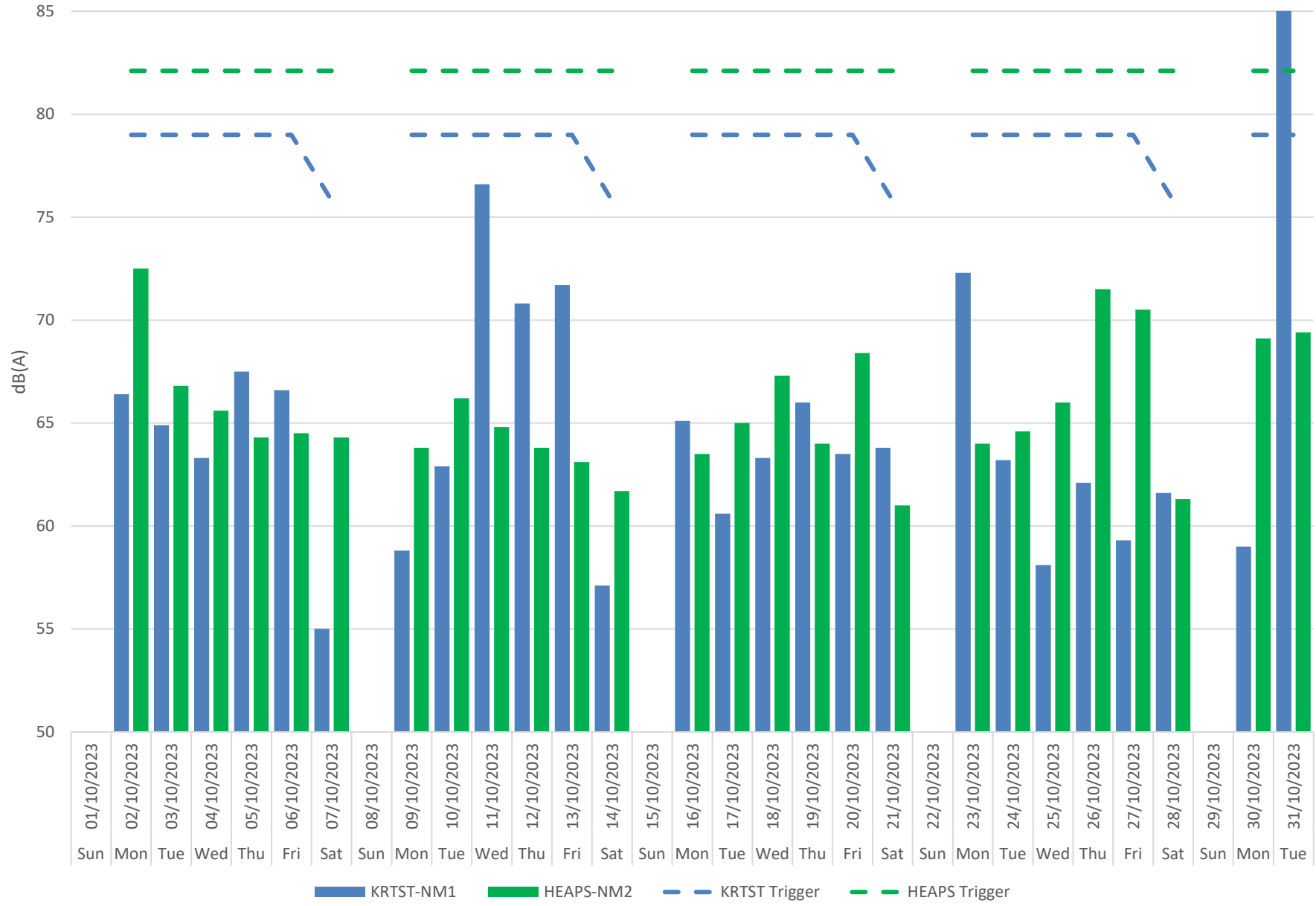


October-December 2023

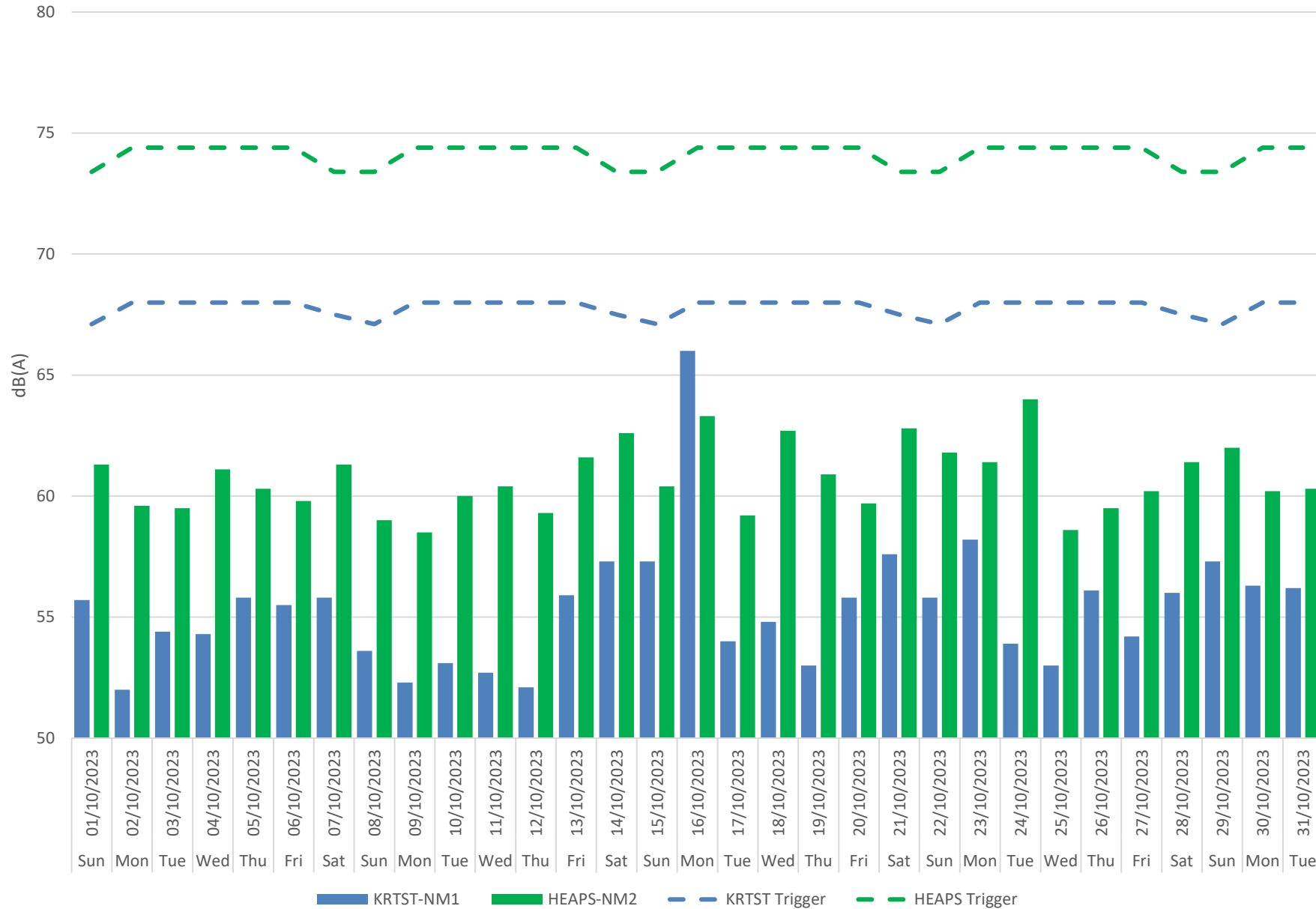
No exceedances in the period

NOISE DATA
October – December 2023

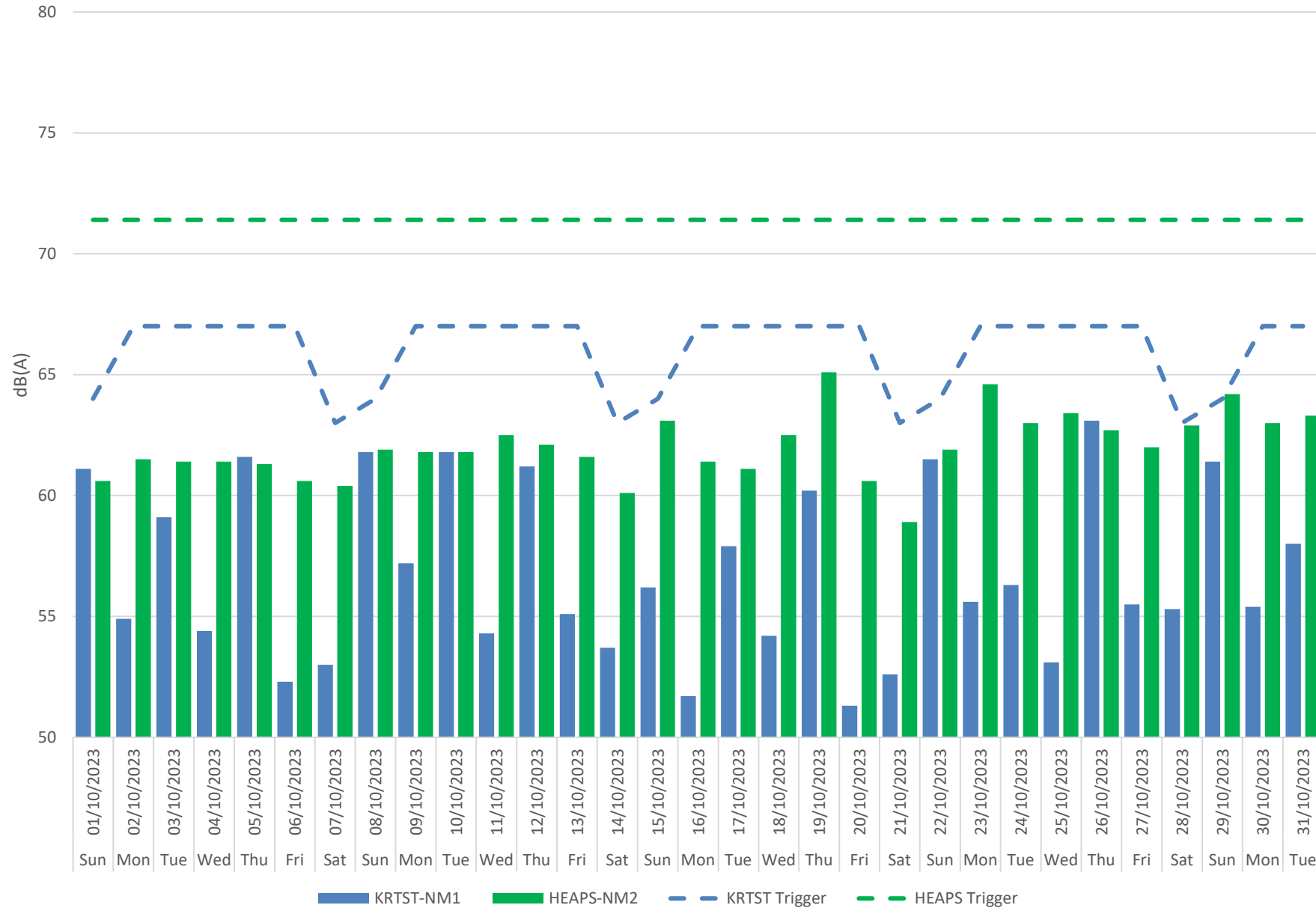
Daytime (Core) - October 2023



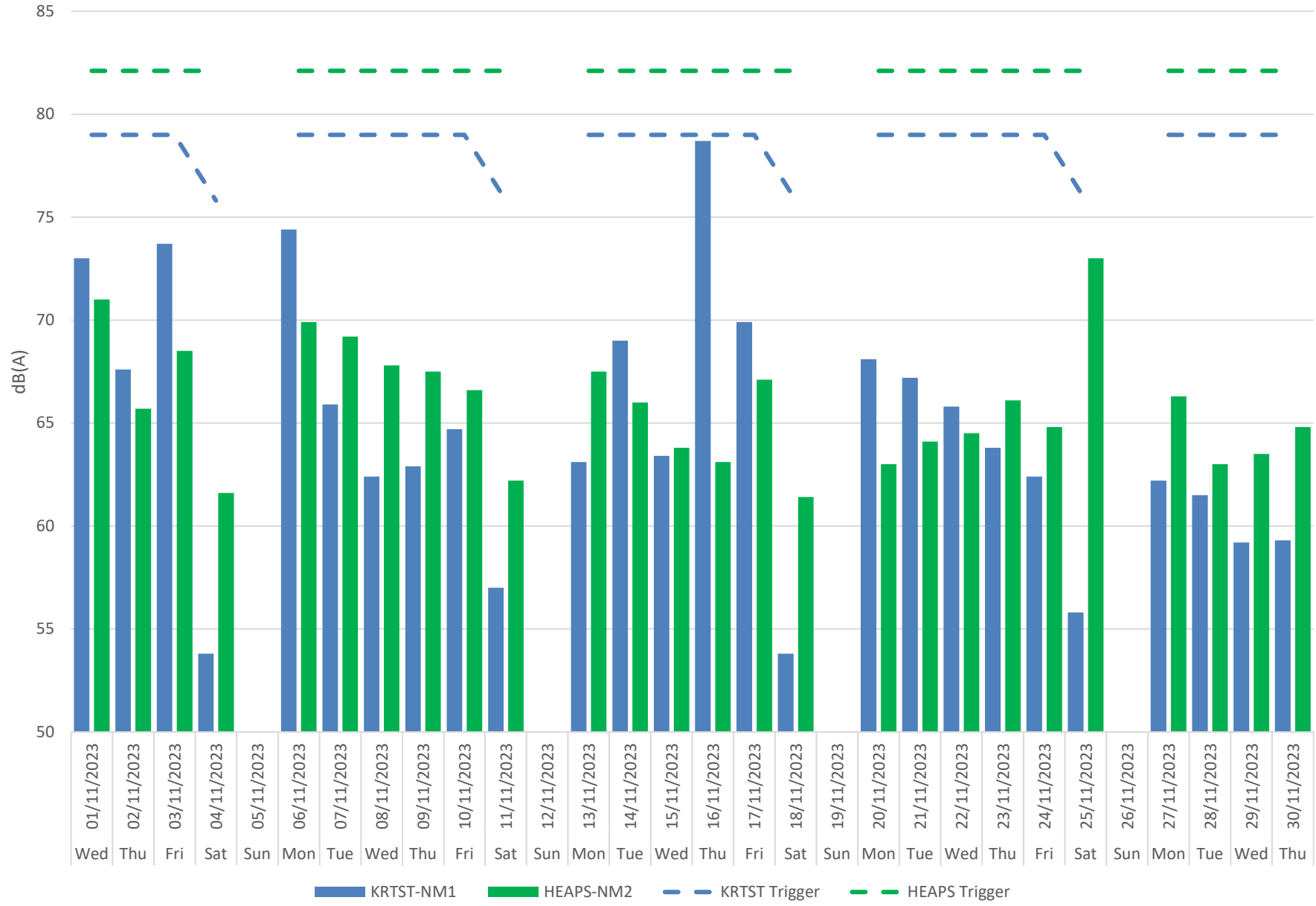
Evening (Extended) - October 2023



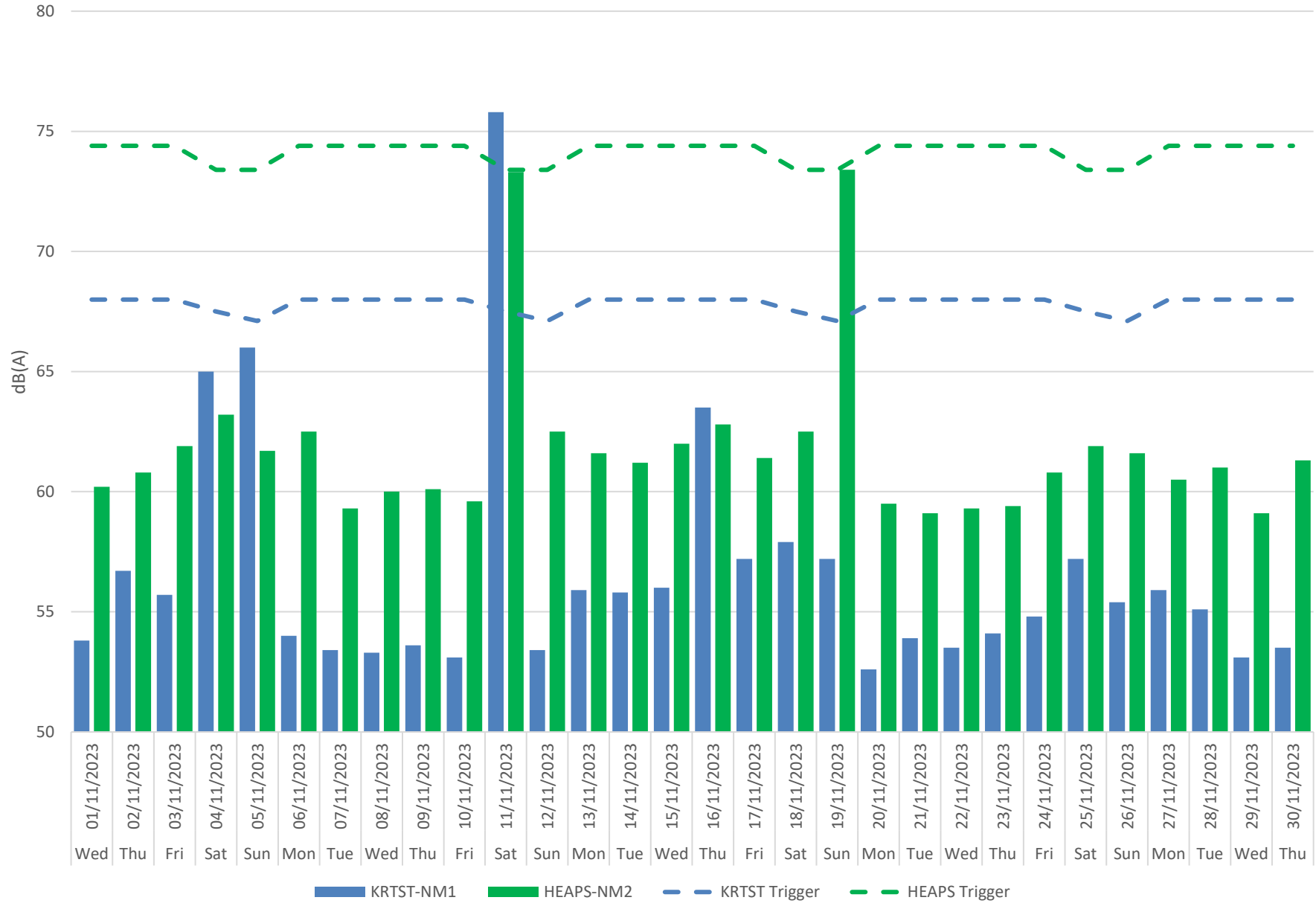
Night - October 2023



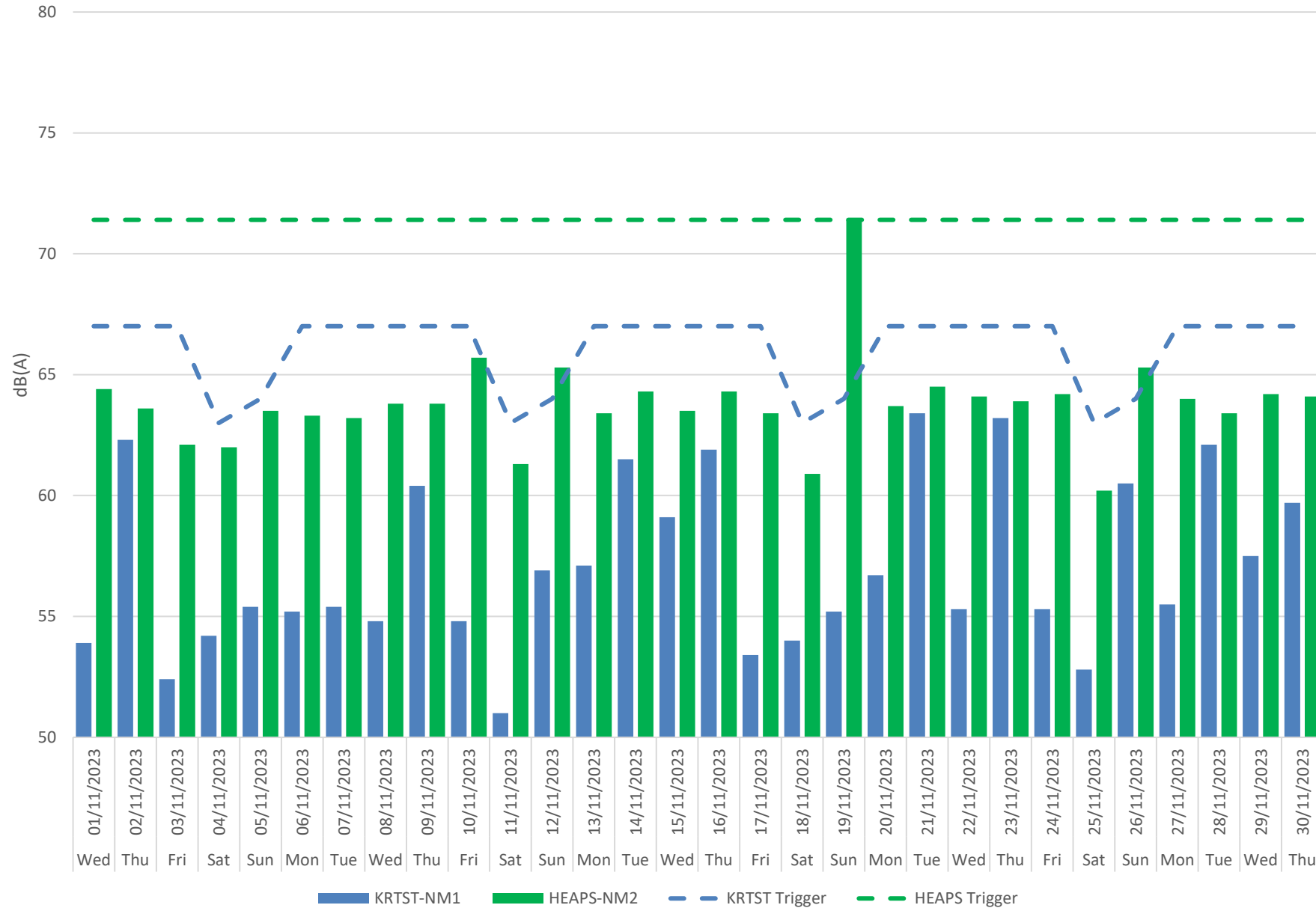
Daytime (Core) - November 2023



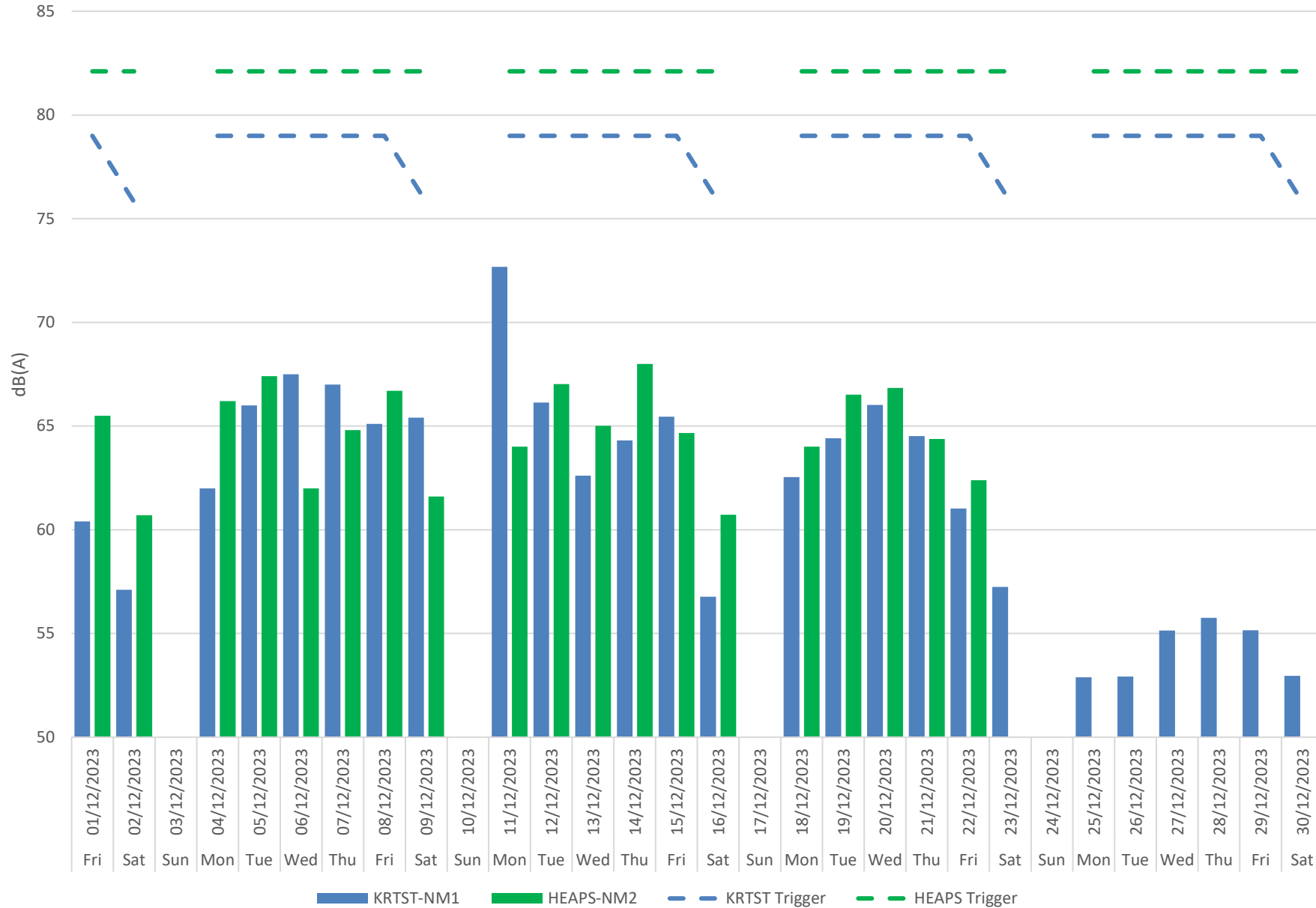
Evening (Extended) - November 2023



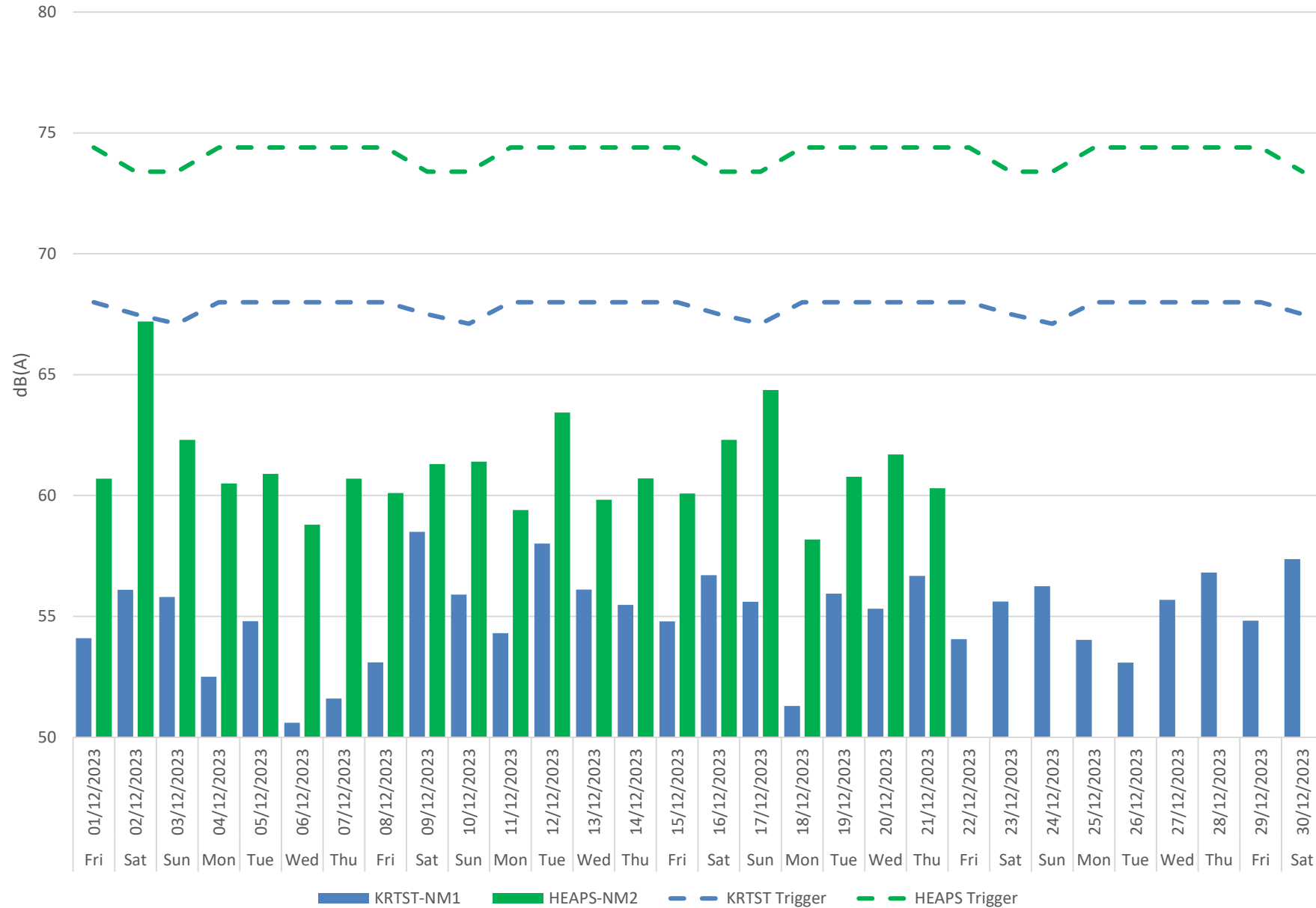
Night - November 2023



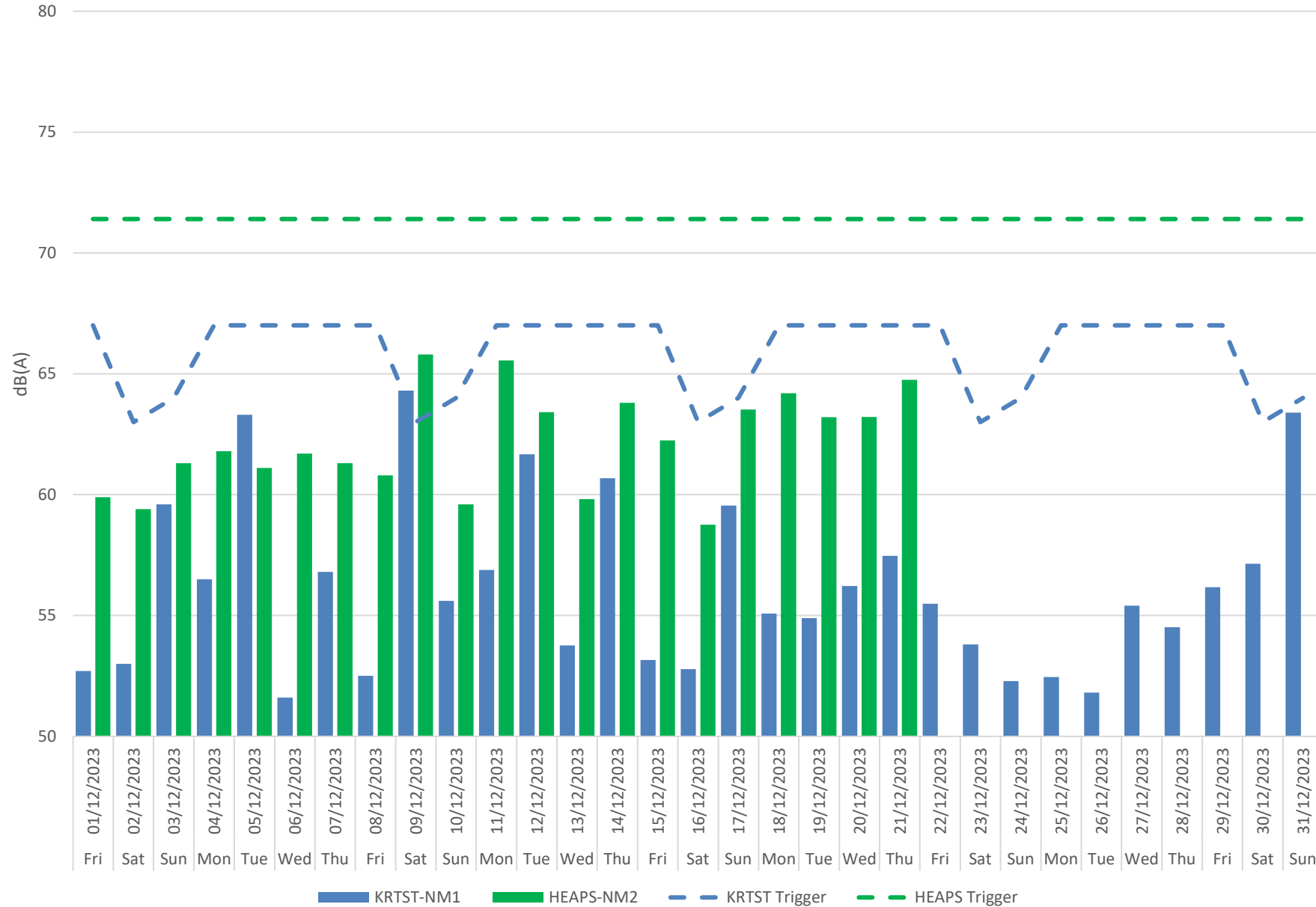
Daytime (Core) - December 2023



Evening (Extended) - December 2023



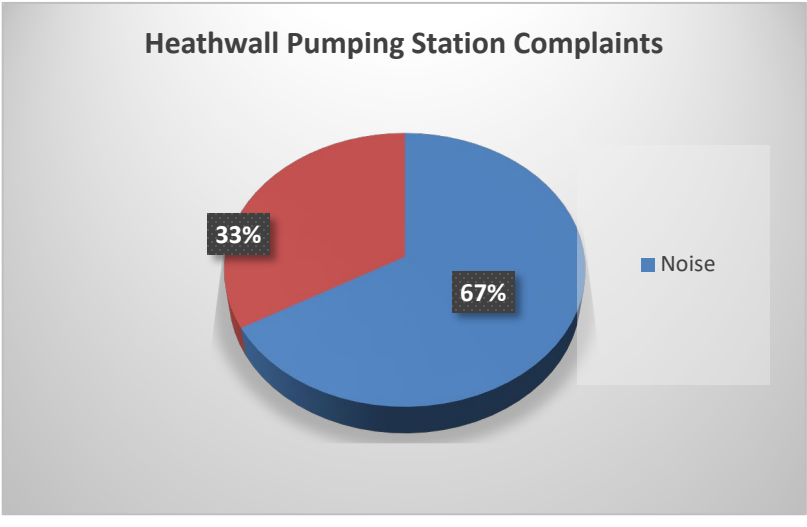
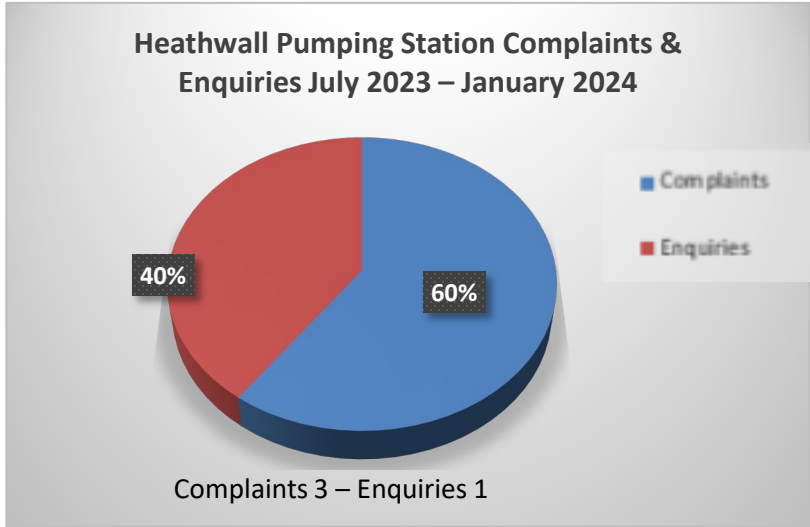
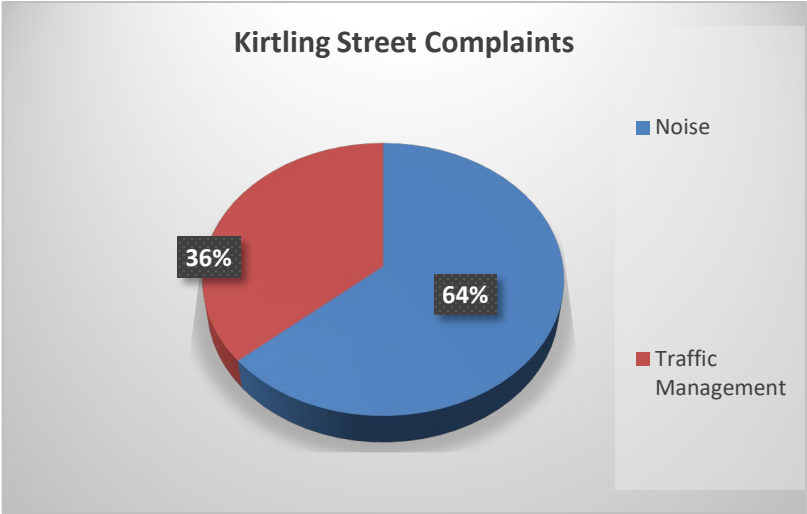
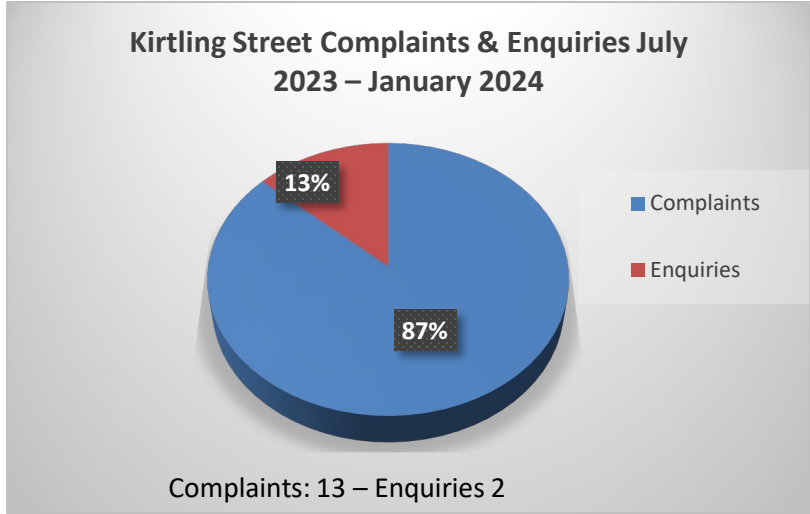
Night - December 2023



COMMUNITY ENGAGEMENT UPDATE

Alick Whitfield
Community Relations Manager

Complaints and Enquiries July 2023 – January 2024



Community Engagement

- St George's Primary School – continuing to support the school in improving the playground and garden areas
- Donating furniture and equipment to the Katherine Low Settlement
- Collecting for early-reader books for local primary schools
- Host secondary school “engineering days” at the Kirtling Street site office.
- Riverside litter picks – will restart in March

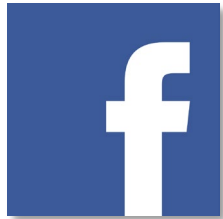


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Available 24 hours, 7 days a week to answer all enquiries & complaints related to the operations and maintenance of the site



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THANK YOU