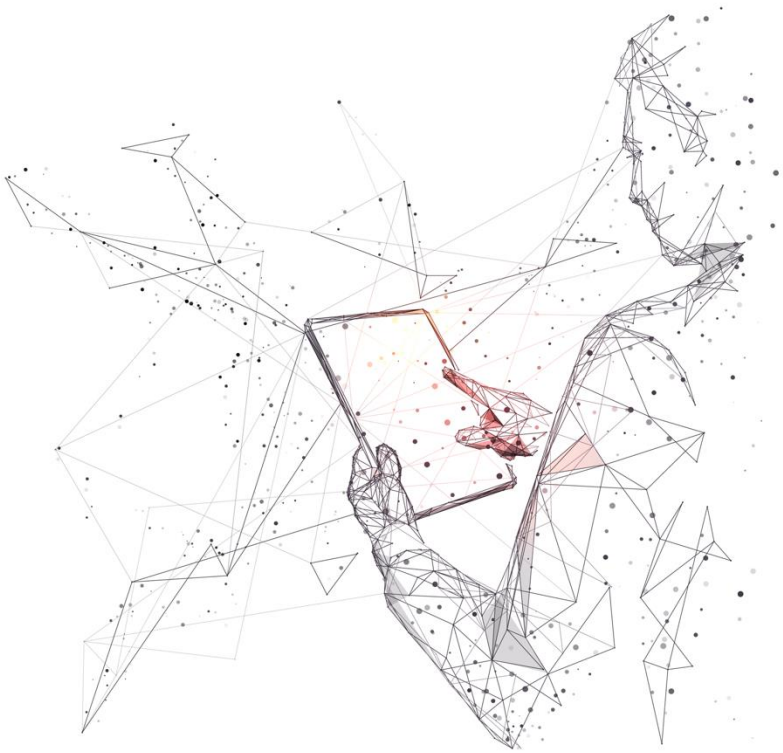
JANUARY 20, 2022



BACKGROUND DUST & VIBRATION MONITORING AT: ST PANCRAS HOSPITAL, LONDON

JAMES FLITTON

Table of Contents

	Name	Qualifications	Initials	Date
Prepared by:	James Flitton	Associate Member Institute of Acoustics	JF	10/1/23
Completed by:	James Flitton	Associate Member Institute of Acoustics	JF	15/1/23
For and on behalf of RVT Group Ltd				
Signed:				

RVT Group
Prospect House
Riverside Way, Dartford
Kent, DA1 5BS

1.0 Overview of Monitoring:

1.0.1 RVT Group Ltd have been commissioned by Bouygues (UK) limited to provide the Noise, Vibration and Dust monitoring at the St Pancras Hospital site. Background monitoring is taking place during the initial stages of the project to establish a baseline value.

1.0.2 Monitoring is continuing through the project for an estimated 200wks after the initial survey.

1.0.3 Site conditions and the CMP submitted to LB Camden required 4 x Noise, 4 x Dust and 2 x Vibration monitoring stations to be placed on the site. The systems are being remotely accessed via a cloud-based website. Each system has limits set on the monitor in line with pre-agreed levels. Should any of the values be exceeded at any point a warning text/e-mail will be sent out for the 'Amber' alert level, with a second text/e-mail sent on the 'Red' alert level.

1.0.4 Monitoring work on the project started Friday 21th October 2022 with the initial background survey lasting a total of 12 weeks.

1.1 Site Details

1.1.1 The site consists of work on the St Pancras Hospital area, close to St Pancras railway station in London.

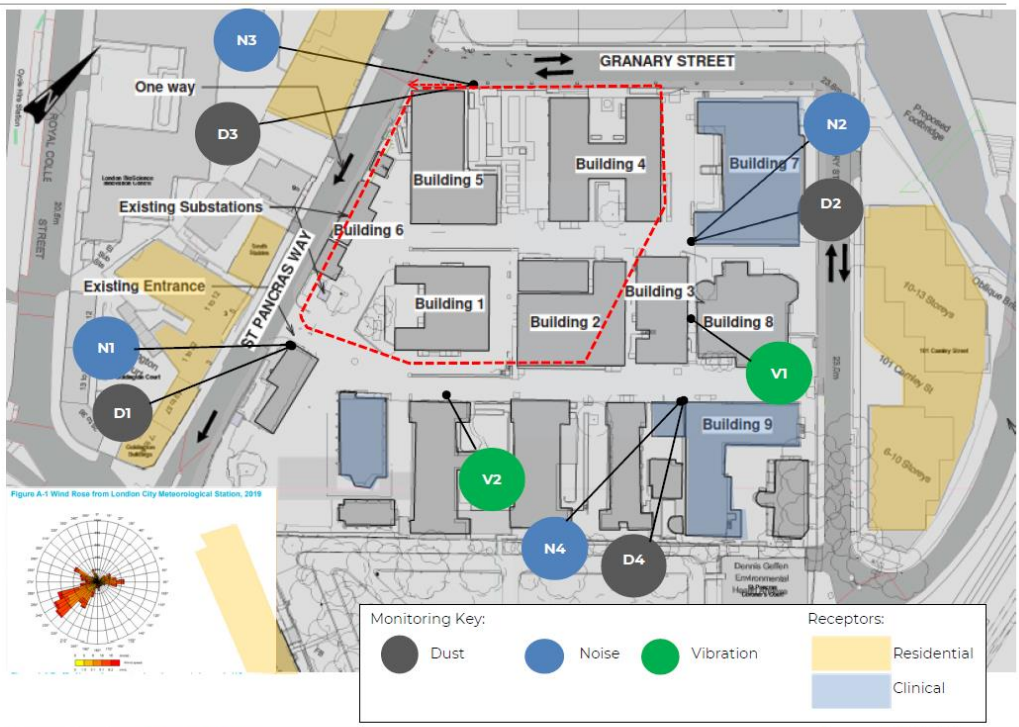
1.1.2 The Nearest Sensitive Receptors (NSRs) have been identified as:

1.1.2.1 Clinical buildings on the St Pancras Hospital
1.1.2.2 the flats on Granary Street/Camley Street to the East,
1.1.2.3 residential areas to the South and West along the A5202 and Pancras Way.

Please refer to monitors and receptors plan set on the next page.

1.1.3

Site Plan showing receptors and proposed monitoring locations 06 September 2022



clarke saunders acoustics

Figure AS12666/SP1

2.0 Standards & Guidelines

2.1 - IAQM Guidance for Construction Dust & WHO Air Quality Guidelines for particulate matter

2.1.1 These are the two guidelines most commonly used when setting the limits for PM10 dust levels on construction and demolition sites. The reason for this is the WHO guidelines provide a figure for the daily and annual mean whereas the IAQM guidance allows the assessments to go one stage further and provides a suggested risk values posed by the site in relation to the proximity of sensitive receptors, number of sensitive receptors, type, urban vs city etc.

2.1.2 In demolition in particular the short-term exposure limit is crucial as sites are often susceptible to sudden bursts of dust levels as structures and materials are disturbed and removed. It is therefore often recommended that a shorter time-frame allows sites to better manage exposure levels of both staff and surrounding sensitive receptor locations when there is an absence of limits imposed by the local authority. In this case a limit value of 190µg/m^3 over 1 hour is used to control any sudden bursts of harmful dust particles into the ambient atmosphere.

2.1.3 The IAQM "Guidance on Monitoring in the Vicinity of Demolition and Construction Sites" from October 2018 provides the most up-to-date guidelines on equipment, limits and action levels:

"Historically, a Site Action Level of 250 µg/m^3 , measured as a 15-minute mean PM10 concentration, has been widely adopted and this was cited in the 2012 IAQM Guidance. However, this metric was founded on quite limited data."

"A more recent report by King's College has evaluated measurement data from nine construction sites . The monitoring was based on reference-equivalent samplers, and the analysis included 1.8 million data points. The outcome of this research recommends a Site Action Level of 190 µg/m^3, measured as a 1-hour mean. This recommendation has been reviewed and is fully endorsed by the Working Group that has drafted this IAQM Guidance."

2.1.4 Both the WHO and the IAQM guidelines refer to limits for the daily and annual PM mean values. *"There is evidence of major construction sites increasing long term particulate matter (PM10) concentrations and the number of days when PM10 concentrations exceed 50µg/m3, the daily limit value for this pollutant. Exposure to PM10 has long been associated with a range of health effects."* [IAQM Guidance for Construction]

2.1.5 The CMP sets the values of Alert and Action Levels to be used on the site to monitor dust levels:

The trigger levels we will use for real-time dust monitoring are as follows:

Trigger / Action Level	**Trigger / Action Dust Level (µg/m^3)**
Alert level (as a 15 minute average)	150 µg/m^3
Action Level (as a 15 minute average)	250 µg/m^3
Action Level (as a 1-hour average)	190 µg/m^3

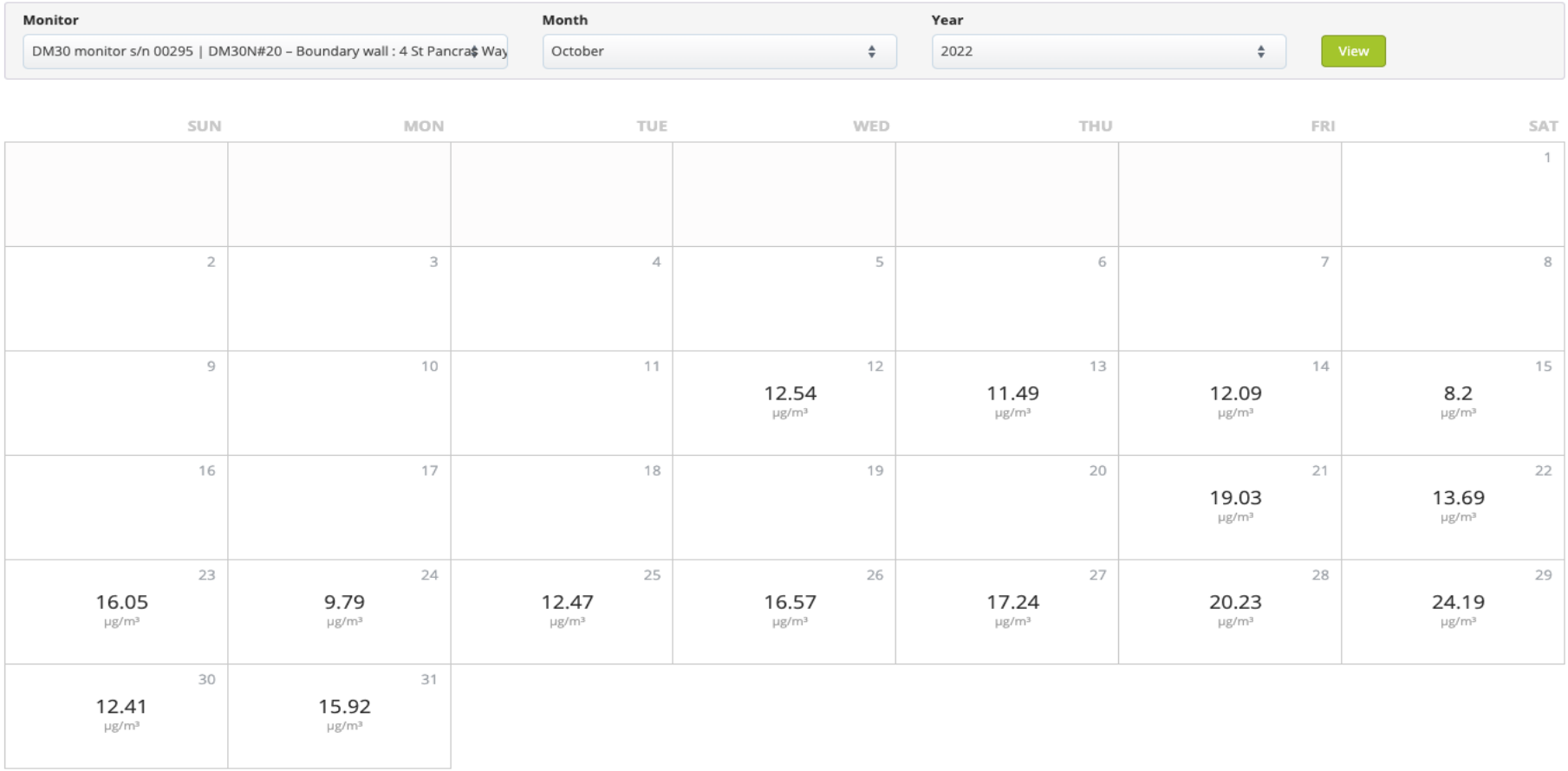
3.0 Plan View of Site

Figure 1

4.0 Monitoring Data – Daily Averages

October

Dust - Boundary Wall



SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12 12.54 µg/m³	13 11.49 µg/m³	14 12.09 µg/m³	15 8.2 µg/m³
16	17	18	19	20	21 19.03 µg/m³	22 13.69 µg/m³
23 16.05 µg/m³	24 9.79 µg/m³	25 12.47 µg/m³	26 16.57 µg/m³	27 17.24 µg/m³	28 20.23 µg/m³	29 24.19 µg/m³
30 12.41 µg/m³	31 15.92 µg/m³					

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Dust – Huntley Centre

Monitor	Month	Year	
DM30 monitor s/n 00296 | DM30N#21– Huntley Centre: 4 St Pancras V	October	2022	View

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14 7.49 µg/m³	15 10.28 µg/m³
16 16.64 µg/m³	17 15.52 µg/m³	18 19.75 µg/m³	19	20	21	22
23	24	25 12.44 µg/m³	26 17.65 µg/m³	27 17.07 µg/m³	28 20.64 µg/m³	29 23.73 µg/m³
30 12.38 µg/m³	31 15.06 µg/m³					

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Dust – Renal Unit

Monitor DM30 monitor s/n 00297 | DM30N#22 – Renal unit: 4 St Pancras Way, NW

Month October

Year 2022

View

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14 8.84 µg/m³	15 12.68 µg/m³
16 21.11 µg/m³	17 19.49 µg/m³	18 28.63 µg/m³	19	20	21	22
23	24	25 16.13 µg/m³	26 22.22 µg/m³	27 22.28 µg/m³	28 26.09 µg/m³	29 30.48 µg/m³
30 16.7 µg/m³	31 19.31 µg/m³					

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Dust – Gate House

Monitor	Month	Year	
DM30 monitor s/n 00299 | DM30N#23 – Gate House: 4 St Pancra Way	October	2022	View

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5	6	7	8
9	10	11	12	13	14 11.64 µg/m³	15 13.3 µg/m³
16 20.33 µg/m³	17	18	19	20	21	22
23	24	25 18.18 µg/m³	26 24.14 µg/m³	27 23.06 µg/m³	28 25.22 µg/m³	29 27.5 µg/m³
30 14.44 µg/m³	31 17.87 µg/m³					

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November

Dust - Boundary Wall

Monitor DM30 monitor s/n 00295 | DM30N#20 – Boundary wall : 4 St Pancras Way

Month November

Year 2022

View

SUN	MON	TUE	WED	THU	FRI	SAT
		1 10.4 µg/m³	2 14.16 µg/m³	3 9.75 µg/m³	4 13.88 µg/m³	5 7.72 µg/m³
6 8.33 µg/m³	7 14.77 µg/m³	8 13.01 µg/m³	9 9.61 µg/m³	10 11.84 µg/m³	11 9.51 µg/m³	12 12.01 µg/m³
13 13.15 µg/m³	14 23.08 µg/m³	15 11.85 µg/m³	16 7.9 µg/m³	17 7.13 µg/m³	18 9.17 µg/m³	19 12.58 µg/m³
20 9.42 µg/m³	21 11.39 µg/m³	22 8.56 µg/m³	23 11.29 µg/m³	24 16.87 µg/m³	25 18.27 µg/m³	26 15.08 µg/m³
27 8 µg/m³	28 16.27 µg/m³	29 14.31 µg/m³	30 17.39 µg/m³			

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Dust – Huntley Centre

Monitor	Month	Year	
DM30 monitor s/n 00296 | DM30N#21– Huntley Centre: 4 St Pancras V	November	2022	View

SUN	MON	TUE	WED	THU	FRI	SAT
		1 11.73 µg/m³	2 15.64 µg/m³	3 7.35 µg/m³	4 12.37 µg/m³	5 7.51 µg/m³
6 6.76 µg/m³	7 14.8 µg/m³	8 13.75 µg/m³	9 10.51 µg/m³	10 13.24 µg/m³	11 10.5 µg/m³	12 11.65 µg/m³
13 11.84 µg/m³	14 17.57 µg/m³	15 10.87 µg/m³	16 7.07 µg/m³	17 6.74 µg/m³	18 8.76 µg/m³	19 11.9 µg/m³
20 8.9 µg/m³	21 11.62 µg/m³	22 8.22 µg/m³	23 12.64 µg/m³	24 17.77 µg/m³	25 19.11 µg/m³	26 14.52 µg/m³
27 6.83 µg/m³	28 14.87 µg/m³	29 11.34 µg/m³	30 13.29 µg/m³			

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Dust – Renal Unit

Monitor	Month	Year	
DM30 monitor s/n 00297 | DM30N#22 – Renal unit: 4 St Pancras Way, NW	November	2022	View

SUN	MON	TUE	WED	THU	FRI	SAT
		1 15.63 µg/m³	2 20.17 µg/m³	3 9.24 µg/m³	4 15.37 µg/m³	5 9.23 µg/m³
6 8.74 µg/m³	7 19.72 µg/m³	8 18.11 µg/m³	9 12.79 µg/m³	10 17.08 µg/m³	11 12.51 µg/m³	12 14.2 µg/m³
13 15.48 µg/m³	14 27.79 µg/m³	15 14.07 µg/m³	16 8.95 µg/m³	17 7.66 µg/m³	18 10.07 µg/m³	19 14.63 µg/m³
20 10.28 µg/m³	21 14.96 µg/m³	22 9.89 µg/m³	23 15.56 µg/m³	24 22.35 µg/m³	25 23 µg/m³	26 18.31 µg/m³
27 8.39 µg/m³	28 17.75 µg/m³	29 14.14 µg/m³	30 16.88 µg/m³			

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Dust – Gate House

Monitor	Month	Year	
DM30 monitor s/n 00299 | DM30N#23 – Gate House: 4 St Pancra Way	November	2022	View

SUN	MON	TUE	WED	THU	FRI	SAT
		1 15.11 µg/m³	2 19.64 µg/m³	3 8.42 µg/m³	4 13.33 µg/m³	5 8.57 µg/m³
6 8.23 µg/m³	7 18.15 µg/m³	8 16.46 µg/m³	9 12.9 µg/m³	10 18.14 µg/m³	11 14.44 µg/m³	12 12.73 µg/m³
13 13.45 µg/m³	14 22.78 µg/m³	15 12.9 µg/m³	16 8.57 µg/m³	17 7.84 µg/m³	18 10.04 µg/m³	19 12.74 µg/m³
20 9.55 µg/m³	21 12.38 µg/m³	22 10.14 µg/m³	23 14.54 µg/m³	24 21 µg/m³	25 22.63 µg/m³	26 17.38 µg/m³
27 7.96 µg/m³	28 17.45 µg/m³	29 12.57 µg/m³	30 15.77 µg/m³			

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December

Dust - Boundary Wall

Monitor DM30 monitor s/n 00295 | DM30N#20 – Boundar

Month December

Year 2022

View

SUN	MON	TUE	WED	THU	FRI	SAT
				1 14.27 µg/m³	2 10.24 µg/m³	3 11.99 µg/m³
4 12.39 µg/m³	5 9.99 µg/m³	6 10.13 µg/m³	7 13.83 µg/m³	8 16.22 µg/m³	9 18.57 µg/m³	10 12.28 µg/m³
11 55.01 µg/m³	12 7.43 µg/m³	13 11.67 µg/m³	14 10.33 µg/m³	15 12.07 µg/m³	16 25.61 µg/m³	17 12.76 µg/m³
18 8.67 µg/m³	19 5.98 µg/m³	20 14.96 µg/m³	21 11.74 µg/m³	22 8.69 µg/m³	23 7.99 µg/m³	24 17.21 µg/m³
25 5.97 µg/m³	26 7.04 µg/m³	27 7.53 µg/m³	28 4.35 µg/m³	29 9.91 µg/m³	30 7.48 µg/m³	31 9.46 µg/m³

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Dust – Huntley Centre

Monitor	Month	Year	
DM30 monitor s/n 00296 | DM30N#21– Huntley Centre: 4 St Pancras V	December	2022	View

SUN	MON	TUE	WED	THU	FRI	SAT
				1 11.83 µg/m³	2 8.94 µg/m³	3 12.1 µg/m³
4 11.86 µg/m³	5 10.65 µg/m³	6 7.89 µg/m³	7 10.78 µg/m³	8 12.02 µg/m³	9 14.78 µg/m³	10 10.83 µg/m³
11 25.19 µg/m³	12 7 µg/m³	13 11.21 µg/m³	14 9.26 µg/m³	15 9.85 µg/m³	16 16.99 µg/m³	17 11.46 µg/m³
18 7.88 µg/m³	19 5.61 µg/m³	20 14.22 µg/m³	21 11.61 µg/m³	22 8.02 µg/m³	23 7.19 µg/m³	24 16.61 µg/m³
25 5.69 µg/m³	26 6.55 µg/m³	27 7.32 µg/m³	28 4.29 µg/m³	29 10.94 µg/m³	30 7.49 µg/m³	31 9 µg/m³

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Dust – Renal Unit

Monitor DM30 monitor s/n 00297 | DM30N#22 – Renal un

Month December

Year 2022

View

SUN	MON	TUE	WED	THU	FRI	SAT
				1 15.04 µg/m³	2 11.24 µg/m³	3 13.97 µg/m³
4 14.76 µg/m³	5 11.38 µg/m³	6 8.95 µg/m³	7 12.65 µg/m³	8 13.98 µg/m³	9 17.04 µg/m³	10 11.81 µg/m³
11 89.68 µg/m³	12 7.86 µg/m³	13 12.01 µg/m³	14 10.13 µg/m³	15 10.58 µg/m³	16 18.36 µg/m³	17 11.95 µg/m³
18 8.69 µg/m³	19 6.31 µg/m³	20 15 µg/m³	21 11.69 µg/m³	22 8.27 µg/m³	23 7.26 µg/m³	24 17.52 µg/m³
25 6 µg/m³	26 6.71 µg/m³	27 7.56 µg/m³	28 4.46 µg/m³	29 11.02 µg/m³	30 8.05 µg/m³	31 9.37 µg/m³

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Dust – Gate House

Monitor	Month	Year	
DM30 monitor s/n 00299 | DM30N#23 – Gate House: 4 St Pancra Way	December	2022	View

SUN	MON	TUE	WED	THU	FRI	SAT
				1 12.48 µg/m³	2 8.57 µg/m³	3 9.48 µg/m³
4 10.09 µg/m³	5 8.89 µg/m³	6 7.54 µg/m³	7 10.74 µg/m³	8 11.66 µg/m³	9 15.03 µg/m³	10 10.45 µg/m³
11 55.98 µg/m³	12 7.39 µg/m³	13 9.46 µg/m³	14 7.8 µg/m³	15 8.89 µg/m³	16 15.34 µg/m³	17 10.46 µg/m³
18 7.37 µg/m³	19 6.15 µg/m³	20 14.72 µg/m³	21 12.09 µg/m³	22 8.67 µg/m³	23 7.5 µg/m³	24 16.24 µg/m³
25 5.81 µg/m³	26 6.72 µg/m³	27 7.4 µg/m³	28 4.35 µg/m³	29 11.29 µg/m³	30 7.48 µg/m³	31 9.17 µg/m³

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January

Dust - Boundary Wall

Monitor	Month	Year	
DM30 monitor s/n 00295 | DM30N#20 – Boundary wall : 4 St Pancras V	January	2023	View

SUN	MON	TUE	WED	THU	FRI	SAT
1 13.66 µg/m³	2 6.69 µg/m³	3 7.11 µg/m³	4 11.71 µg/m³	5 12.78 µg/m³	6 5.24 µg/m³	7 9.21 µg/m³
8 8.56 µg/m³	9 12.5 µg/m³	10 10.81 µg/m³	11 11.18 µg/m³	12 9.46 µg/m³	13 15.83 µg/m³	14 7.29 µg/m³
15 8.66 µg/m³	16 7.45 µg/m³	17 17.48 µg/m³	18 11.68 µg/m³	19 13.92 µg/m³	20 11.51 µg/m³	21 13.4 µg/m³
22 13.56 µg/m³	23 13.19 µg/m³	24 10.58 µg/m³	25 15.88 µg/m³	26 9.56 µg/m³	27 11.92 µg/m³	28 16.02 µg/m³
29 7.43 µg/m³	30 18.54 µg/m³	31 12.29 µg/m³				

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Dust – Huntley Centre

Monitor	Month	Year	
DM30 monitor s/n 00296 | DM30N#21– Huntley Centre: 4 St Pancras V	January	2023	View

SUN	MON	TUE	WED	THU	FRI	SAT
1 14.64 µg/m³	2 5.96 µg/m³	3 6.72 µg/m³	4 10.59 µg/m³	5 12.19 µg/m³	6 5.19 µg/m³	7 9.58 µg/m³
8 8.47 µg/m³	9 10.69 µg/m³	10 12.48 µg/m³	11 11.74 µg/m³	12 9.61 µg/m³	13 15.83 µg/m³	14 9.36 µg/m³
15 8.81 µg/m³	16 6.25 µg/m³	17 13.14 µg/m³	18 8.75 µg/m³	19 10.59 µg/m³	20 9.64 µg/m³	21 12.83 µg/m³
22 13.28 µg/m³	23 11.32 µg/m³	24 10.22 µg/m³	25 14.29 µg/m³	26 10.07 µg/m³	27 12.19 µg/m³	28 11.56 µg/m³
29 6.79 µg/m³	30 13.58 µg/m³	31 11.69 µg/m³				

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Dust – Renal Unit

Monitor	Month	Year	
DM30 monitor s/n 00297 | DM30N#22 – Renal unit: 4 St Pancras Way,	January	2023	View

SUN	MON	TUE	WED	THU	FRI	SAT
1 15.21 µg/m³	2 6.07 µg/m³	3 6.99 µg/m³	4 10.28 µg/m³	5 12.47 µg/m³	6 5.34 µg/m³	7 10.19 µg/m³
8 8.88 µg/m³	9 10.62 µg/m³	10 11.04 µg/m³	11 11.15 µg/m³	12 8.95 µg/m³	13 14.7 µg/m³	14 7.03 µg/m³
15 8.4 µg/m³	16 6.4 µg/m³	17 14.42 µg/m³	18 8.85 µg/m³	19 10.94 µg/m³	20 9.62 µg/m³	21 13.2 µg/m³
22 12.72 µg/m³	23 11.09 µg/m³	24 10.38 µg/m³	25 14.69 µg/m³	26 8.91 µg/m³	27 10.87 µg/m³	28 11.43 µg/m³
29 6.83 µg/m³	30 14.28 µg/m³	31 10.59 µg/m³				

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Dust – Gate House

Monitor	Month	Year	
DM30 monitor s/n 00299 | DM30N#23 – Gate House: 4 St Pancras Way	January	2023	View

SUN	MON	TUE	WED	THU	FRI	SAT
1 14.66 µg/m³	2 5.87 µg/m³	3 6.4 µg/m³	4 10.67 µg/m³	5 12.71 µg/m³	6 5.61 µg/m³	7 8.89 µg/m³
8 7.89 µg/m³	9 9.93 µg/m³	10 9.64 µg/m³	11 10.36 µg/m³	12 8.39 µg/m³	13 14.61 µg/m³	14 6.43 µg/m³
15 7.85 µg/m³	16 5.09 µg/m³	17 11.26 µg/m³	18 7.24 µg/m³	19 8.39 µg/m³	20 7.34 µg/m³	21 9.55 µg/m³
22 9.58 µg/m³	23 8.56 µg/m³	24 7.09 µg/m³	25 11.74 µg/m³	26 6.56 µg/m³	27 8.15 µg/m³	28 11.33 µg/m³
29 5.87 µg/m³	30 13.25 µg/m³	31 10.05 µg/m³				

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5.0 Weekly Averages

Dust

Table 3

DATE	BOUNDARY WALL (μg/m³)	HUNTLEY CENTRE (μg/m³)	RENAL UNIT (μg/m³)	GATE HOUSE (μG/M³)
21-10-2022	19.03			
22-10-2022	13.69			
23-10-2022	16.05			
24-10-2022	9.79			
25-10-2022	12.47	12.44	16.13	18.18
26-10-2022	16.57	17.65	22.22	24.14
27-10-2022	17.24	17.07	22.28	23.06
28-10-2022	20.23	20.64	26.09	25.22
29-10-2022	24.19	23.73	30.48	27.5
30-10-2022	12.41	12.38	16.7	14.44
31-10-2022	15.92	15.06	19.31	17.87
01-11-2022	10.4	11.73	15.63	15.11
02-11-2022	14.16	15.64	20.17	19.64
03-11-2022	9.75	7.35	9.24	8.42
04-11-2022	13.88	12.37	15.37	13.33
05-11-2022	7.72	7.51	9.23	8.57
06-11-2022	8.33	6.76	8.74	8.23
07-11-2022	14.77	14.8	19.72	18.15
08-11-2022	13.01	13.75	18.11	16.46
09-11-2022	9.61	10.51	12.79	12.9
10-11-2022	11.84	13.24	17.08	18.14
11-11-2022	9.51	10.5	12.51	14.44
12-11-2022	12.01	11.65	14.2	12.73
13-11-2022	13.15	11.84	15.48	13.45
14-11-2022	23.08	17.57	27.79	22.78
15-11-2022	11.85	10.87	14.07	12.9
16-11-2022	7.9	7.07	8.95	8.57
17-11-2022	7.13	6.74	7.66	7.84
18-11-2022	9.17	8.76	10.07	10.04
19-11-2022	12.58	11.9	14.63	12.74
20-11-2022	9.42	8.9	10.28	9.55
21-11-2022	11.39	11.62	14.96	12.38
22-11-2022	8.56	8.22	9.89	10.14
23-11-2022	11.29	12.64	15.56	14.54
24-11-2022	16.87	17.77	22.35	21
25-11-2022	18.27	19.11	23	22.63
26-11-2022	15.08	14.52	18.31	17.38
27-11-2022	8	6.83	8.39	7.96
28-11-2022	16.27	14.87	17.75	17.45

29-11-2022	14.31	11.34	14.14	12.57
30-11-2022	17.39	13.29	16.88	15.77
01-12-2022	14.27	11.83	15.04	12.48
02-12-2022	10.24	8.94	11.24	8.57
03-12-2022	11.99	12.1	13.97	9.48
04-12-2022	12.39	11.86	14.76	10.09
05-12-2022	9.99	10.65	11.38	8.89
06-12-2022	10.13	7.89	8.95	7.54
07-12-2022	13.83	10.78	12.65	10.74
08-12-2022	16.22	12.02	13.98	11.66
09-12-2022	18.57	14.78	17.04	15.03
10-12-2022	12.28	10.83	11.81	10.45
11-12-2022	55.01	25.19	89.68	55.98
12-12-2022	7.43	7	7.86	7.39
13-12-2022	11.67	11.21	12.01	9.46
14-12-2022	10.33	9.26	10.13	7.8
15-12-2022	12.07	9.85	10.58	8.89
16-12-2022	25.61	16.99	18.36	15.34
17-12-2022	12.76	11.46	11.95	10.46
18-12-2022	8.67	7.88	8.69	7.37
19-12-2022	5.98	5.61	6.31	6.15
20-12-2022	14.96	14.22	15	14.72
21-12-2022	11.74	11.61	11.69	12.09
22-12-2022	8.69	8.02	8.27	8.67
23-12-2022	7.99	7.19	7.26	7.5
24-12-2022	17.21	16.61	17.52	16.24
25-12-2022	5.97	5.69	6	5.81
26-12-2022	7.04	6.55	6.71	6.72
27-12-2022	7.53	7.32	7.56	7.4
28-12-2022	4.35	4.29	4.46	4.35
29-12-2022	9.91	10.94	11.02	11.29
30-12-2022	7.48	7.49	8.05	7.48
31-12-2022	9.46	9	9.37	9.17
01-01-2023	13.66	14.64	15.21	14.66
02-01-2023	6.69	5.96	6.07	5.87
03-01-2023	7.11	6.72	6.99	6.4
04-01-2023	11.71	10.59	10.28	10.67
05-01-2023	12.78	12.19	12.47	12.71
06-01-2023	5.24	5.19	5.34	5.61
07-01-2023	9.21	9.58	10.19	8.89
08-01-2023	8.56	8.47	8.88	7.89
09-01-2023	12.5	10.69	10.62	9.93
10-01-2023	10.81	12.48	11.04	9.64
11-01-2023	11.18	11.74	11.15	10.36
12-01-2023	9.46	9.61	8.95	8.39
13-01-2023	15.83	15.83	14.7	14.61
OVERALL	**12.59**	**11.43**	**14.14**	**12.79**

6.0 Further Comments

6.1 The baseline values for dust are well below the recommended WHO guidelines for daily PM10 exposure.

7.0 Recommended Site Limits

7.1 Based on the above gathered information the below limits found in table 5 are considered appropriate for the site.

Table 4

	DUST (AMBER - 15MINS)	DUST (RED - 15MINS)	DUST (RED – 1HOUR)
DAYTIME LIMIT	150µg/m^3	250µg/m^3	190µg/m^3
NIGHT-TIME LIMIT	N/A	N/A	N/A
WEEKEND LIMIT	N/A	N/A	N/A