

APPENDIX 11.11

**ADDITIONAL ASSESSMENT SCENARIO: IMPACT FROM
OPERATION OF THE DEVELOPMENT (WITHOUT CUMULATIVE
DEVELOPMENT OF TESCO OSTERLEY SCHEME).**

APPENDIX 11.11 ADDITIONAL ASSESSMENT SCENARIO: IMPACT FROM OPERATION OF THE DEVELOPMENT (WITHOUT CUMULATIVE DEVELOPMENT OF TESCO OSTERLEY SCHEME)

Introduction

- 11.1 This appendix gives an overview of the air quality impacts of the operation of the Development on existing and proposed new receptors in Scenario 6 (listed under point 6 of the ES chapter (paragraph 11.60)). This scenario is a future opening year scenario which includes all committed development but does not include the cumulative Tesco Osterley development. In this scenario, it is assumed the existing Tesco Osterley Store will remain operational, as well as the Tesco Store included as part of the Development.
- 11.2 The assessment undertaken in this appendix is not a realistic scenario. The Tesco and Homebase schemes are the subject of separate planning applications, and both applications are accompanied by separate environmental statements. It is, however, a factual reality that the schemes are interdependent. The new Tesco store opening on the existing Homebase site, and the demolition of the existing Tesco store to make way for new residential development are dependent on the other respective development proceeding. There would not be two Tesco stores open for trading at the same time on these sites, and planning obligations are proposed to control this scenario and prevent this from taking place. An obligation binding the existing Tesco site is proposed to restrict demolition of the existing Tesco store until trading commences at the replacement Tesco store. Further, an obligation binding the existing Homebase site is proposed to restrict the new store from commencing trading until trading has ceased at the existing Tesco store.
- 11.3 Whilst not realistic, Scenario 6 provides a worst-case assessment with respect to impacts from road emissions. In Scenario 5 (listed under point 5 of the ES chapter (paragraph 11.60)), additional trips associated with the Development are offset by the overall reduction in traffic from the Tesco Osterley Store closing. In Scenario 6, the Development flows lead to an overall increase of traffic on the local road network, therefore leading to higher pollutant emissions in close proximity to both existing and newly proposed receptors.

Assessment Methodology

- 11.4 This appendix follows the same assessment methodology as outlined in the ES chapter for both operational traffic emissions and operational combustion plant emissions. The same

receptor locations have been used.

- 11.5 Traffic data has been provided by the project transport consultant, RHDHV, for roads within the vicinity of the Site. Traffic data for roads that have been taken into consideration in the assessment are presented in Appendix 11.3.
- 11.6 This assessment considers traffic-related pollutant concentrations (NO₂, PM₁₀ and PM_{2.5}) at existing receptors in the vicinity of the Site. The assessment considers existing traffic flows, with the Tesco Osterley Store operating, on the local road network as well as the predicted change in traffic as a result of the Development.
- 11.7 The impact of the Development has been assessed by comparing the 2026 Do Nothing scenario (Scenario 4, (listed under point 4 of the ES chapter (paragraph 11.60)) and the 2026 Do Something with committed developments scenario, but not including the cumulative Tesco Osterley scheme (Scenario 6).
- 11.8 Combustion plant emissions are the same in Scenario 5 and Scenario 6. The predicted contributions from the combustion plant have been added to the total predicted concentrations at new receptor locations to give a total process contribution. This is shown in Table 5.

Likely Significant Effects

Operational Phase

- 11.9 The following operational aspects will have a potential impact on local air quality:
- Vehicle emissions from traffic generated as a result of the Development on the local road network; and
 - Combustion plant emissions.
- 11.10 This section outlines the air quality impact from the operation of the Development on existing and proposed receptors, inclusive of impacts of from committed development but not including the development of the Tesco Osterley scheme, under the assumption the Tesco Osterley Store remains operational.
- 11.11 Predicted pollutant concentrations at existing receptors are presented in Table 2Table 3 and Table 4. The contribution from traffic emissions has been verified and processed using the NO_x to NO₂ calculator with 2019 background concentrations to give the total predicted concentrations. Combustion plant emissions have been scoped out at existing receptor

- locations due to the distance from the flue and the low NO_x emissions from proposed combustion plant of the Development.
- 11.12 The impact of operational traffic emissions associated with the Development is predicted to be slight adverse at two existing receptors (R1 and R3) with respect to NO₂ concentrations. R1 and R3 are located to the north-west of the Great West Road – Syon Lane junctions. Impacts on PM₁₀ and PM_{2.5} concentrations are negligible at all existing receptors. The concentrations of all pollutants modelled (NO₂, PM₁₀ and PM_{2.5}) at all existing receptors are expected to marginally increase as a result of the traffic flows increasing during operation of the Development. However, with the exception of receptors R1 and R3, these increases are predicted to be negligible and therefore are considered insignificant. ES Chapter 9 Transport and Access provides detailed assessment of traffic impacts as a result of the operation of the Development.
- 11.13 As the Site is located within an AQMA, it is necessary to consider exposure of future Site users to poor air quality where there is relevant exposure to air quality objectives. This section considers a worst-case scenario (with the Development, committed development (excluding the cumulative Tesco Osterley scheme)).
- 11.14 Predicted pollutant concentrations at proposed onsite receptor locations are presented in Table 5. Results indicate that the annual mean air quality objectives for NO₂, PM₁₀, PM_{2.5} are predicted to be met at all proposed onsite receptors, at all heights. This is likely due to the ample separation of the residential units from the roadside, paired with the elevated height of residential units. The highest concentration is predicted at new receptor 7 (NR7B) predicting a concentration 36.4 µg/m³ at a height of 7.4m, this receptor is the closest to the predominant source of pollution which is Great West Road (8m from kerbside). Actual concentrations seen at these receptor locations in 2026 will likely be below predicted results, as no improvements to background concentrations have been assumed in this assessment. As all receptors are below the relevant long-term air quality objectives, no significant air quality impacts are expected, therefore the air quality impacts on proposed new receptors is not significant.
- 11.15 The two short term onsite receptors located near to the proposed Tesco Site entrance of the Development predicted the highest NO₂ annual mean concentrations (44.2 µg/m³ and 41.4 µg/m³) however these were still well below the 60 µg/m³ NO₂ annual mean indicative of exceedances to the short term hourly NO₂ objective (shown in Table 6) and therefore impacts at short term receptors are not significant.
- 11.16 Impacts from the combustion plant are the same as Scenario 5, presented in the Air Quality

ES Chapter (see paragraph 11.127).

- 11.17 With regards to short term air quality objectives as a result of the combined emissions, in accordance with LAQM TG16, it is considered that because annual mean NO₂ concentrations are below 60µg/m³ at all new receptor locations, the hourly objective will be met.
- 11.18 For PM₁₀ concentrations, dispersion models are inherently less accurate at predicting the number of exceedances of the 24-hour mean objective for PM₁₀ than the annual mean objective. Accordingly, the relationship between annual mean and the number of 24-hour mean exceedances of 50 µg/m³, devised by LAQM TG16, has been used for assessment of the short-term PM₁₀ objective. Table 6 presents the calculated number of daily exceedances. The maximum number of days exceeding the objective concentration is 10 which is expected at the proposed entrance to the Tesco store of the Development. This is well below the annual number of allowable 35 exceedances of the national air quality objective. The maximum number of days exceeding the objectives at the residential receptors is 5, again well below the 35 allowable exceedances. Impacts at the proposed receptors, as a result of short-term PM₁₀ exposure are considered negligible.

Mitigation Measures

Operational Phase

- 11.19 The predicted operational impact is, at worst, slight adverse at existing receptors. Slight adverse impacts are not indicative of significant impacts, and with only 2 of the 12 receptors predicting slight adverse impacts (all other existing receptors locations were negligible), no further mitigation measures are required.
- 11.20 As air quality objectives are predicted to be met at all proposed onsite receptor locations, no further mitigation is required.

Residual Effects

Operational Phase

- 11.21 The predicted air quality impacts as a result of the operation of the Development were predicted to be negligible at all receptor locations. Therefore, the residual effects are predicted to be negligible.

Cumulative Effects

Operational Phase

- 11.22 As all committed development (other than the cumulative Tesco Osterley scheme) have been included within the traffic for the Development, the cumulative effects during operation is considered inherently within the assessment. The results from the operational phase assessment indicate air quality impacts are not significant.
- 11.23 In the most realistic scenario (Scenario 5) where both the Development and the Tesco Osterley scheme are to go ahead, the cumulative effect would be marginally beneficial due to an overall decrease of traffic on the local road network as a result of the existing Tesco Osterley Store closing.

Summary

- 11.24 This appendix considers the air quality impacts of the operation of the Development at nearby existing receptors, inclusive of impacts from all committed development but not including the cumulative Tesco Osterley scheme. This chapter also assesses the exposure of future Site users and residents to poor air quality at proposed receptor locations in this scenario.
- 11.25 The potential impacts from the operation of the Development will be as a result of vehicle emissions from traffic generated by the Development and emissions from the use of proposed combustion plant serving the Development. The operational impacts have been assessed using air quality modelling software at existing and proposed new receptor locations.
- 11.26 The Development is expected to lead to a net increase of traffic on the local road network in this scenario; this is due to the operation of the Tesco Store proposed as part of the Development. This is the worst-case operational scenario as traffic flows, and in turn traffic emissions, will increase in proximity to the Site; leading to a marginal deterioration of air quality as result of the Development. There is, at worst, a slight adverse impact predicted at 2 of the 12 existing receptor locations as a result of the operation traffic from the Development. These receptors are residential locations to the north-west of the Great West Road - Syon Lane Junction.
- 11.27 The overall impact of the Development on existing receptors is not significant and the majority of existing receptors are predicted to experience a negligible impact.
- 11.28 The potential air quality impacts on future Site users have been assessed in this chapter, pollutant concentrations at the residential unit locations across the Site have been predicted

for the opening year and compared against air quality objectives. All residential units meet long and short-term air quality limits in this operational scenario which represents the worst-case.

11.29 Table 11.13 contains a summary of the likely significant effects of the Development.

Table 1 Table of Significance – Air Quality Impacts Scenario 6

Potential Effect	Nature of Effect (Permanent/Temporary)	Significance (Major/Moderate/Minor) (Beneficial/Adverse/Negligible)	Mitigation / Enhancement Measures	Geographical Importance*							Residual Effects (Major/Moderate/Minor) (Beneficial/Adverse/Negligible)
				I	UK	E	R	C	B	L	
Completed Development											
Vehicle emissions from traffic generated as a result of the Development on the local road network	Permanent	Negligible	N/A							X	Negligible

*** Geographical Level of Importance**

I = International; UK = United Kingdom; E = England; R = Regional; C = County; B = Borough; L = Local

Table 2- NO₂ Annual Mean Concentrations for opening year (2026) operational and baseline scenarios

Receptor	X	Y	2026 Baseline	2026 Operational	Percentage Change	% of AQAL	IAQM Impact Descriptor
R1	516155	177401	35.3	36.0	2	90	Slight Adverse
R2	516034	177348	32.4	32.7	1	82	Negligible
R3	516161	177367	39.1	39.7	2	99	Slight Adverse
R4	516038	177298	33.3	33.6	1	84	Negligible
R5	516304	177296	33.1	33.5	1	84	Negligible
R6	516376	177237	30.6	30.9	1	77	Negligible
R7	516491	177207	31.1	31.4	1	78	Negligible
R8	516541	177088	29.9	30.2	1	75	Negligible
R9	516532	176912	31.7	32.1	1	80	Negligible
R10	516384	176799	24.7	24.8	0	62	Negligible
R11	516517	176686	29.2	29.4	0	73	Negligible
R12	516676	176951	26.1	26.2	0	65	Negligible

Table 3 - PM₁₀ Annual Mean Concentrations for opening year (2026) operational and baseline scenarios

Receptor	X	Y	2026 Baseline	2026 Operational	Percentage Change	% of AQAL	IAQM Impact Descriptor
R1	516155	177401	21.5	21.7	1	54	Negligible
R2	516034	177348	21.1	21.3	0	53	Negligible
R3	516161	177367	22.0	22.1	0	55	Negligible
R4	516038	177298	21.6	21.7	0	54	Negligible
R5	516304	177296	20.7	20.8	0	52	Negligible
R6	516376	177237	20.0	20.0	0	50	Negligible
R7	516491	177207	20.3	20.4	0	51	Negligible
R8	516541	177088	19.9	20.0	0	50	Negligible
R9	516532	176912	19.7	19.8	0	50	Negligible
R10	516384	176799	17.3	17.3	0	43	Negligible
R11	516517	176686	18.9	19.0	0	47	Negligible
R12	516676	176951	17.8	17.9	0	45	Negligible

Table 4 – PM_{2.5} Annual Mean Concentrations for opening year (2026) operational and baseline scenarios

Receptor	X	Y	2026 Baseline	2026 Operational	Percentage Change	% of AQAL	IAQM Impact Descriptor
R1	516155	177401	15.1	15.2	1	61	Negligible
R2	516034	177348	14.9	14.9	0	60	Negligible
R3	516161	177367	15.4	15.5	0	62	Negligible
R4	516038	177298	15.1	15.2	0	61	Negligible
R5	516304	177296	14.6	14.7	0	59	Negligible
R6	516376	177237	14.2	14.3	0	57	Negligible
R7	516491	177207	14.4	14.5	0	58	Negligible
R8	516541	177088	14.2	14.2	0	57	Negligible
R9	516532	176912	13.3	13.4	0	54	Negligible
R10	516384	176799	12.0	12.0	0	48	Negligible
R11	516517	176686	12.9	12.9	0	52	Negligible
R12	516676	176951	12.3	12.3	0	49	Negligible

Table 5 Predicted 2026 annual mean concentrations at new receptor location

Receptor	X	Y	Height (m)	Opening Year (2026) Annual Mean Concentrations		
				NO ₂	PM10	PM2.5
Tesco Entrance A	516326	177352	1.5	41.4	23.1	16.0
Tesco Entrance B	516332	177364	1.5	44.2	23.7	16.4
NR1e	516369	177313	17.3	28.6	19.2	13.8
NR1f	516369	177313	20.4	27.9	19.0	13.7
NR1g	516369	177313	23.6	27.4	18.9	13.6
NR1h	516369	177313	26.7	27.0	18.8	13.6
NR2e	516385	177315	17.3	28.6	19.3	13.8
NR2f	516385	177315	20.4	27.9	19.1	13.7
NR2g	516385	177315	23.6	27.4	18.9	13.6
NR2h	516385	177315	26.7	27.0	18.8	13.6
NR3e	516399	177331	17.3	28.7	19.3	13.8
NR3f	516399	177331	20.4	28.0	19.1	13.7
NR3g	516399	177331	23.6	27.5	18.9	13.6
NR3h	516399	177331	26.7	27.1	18.8	13.6
NR4e	516399	177348	17.3	28.9	19.3	13.9
NR4f	516399	177348	20.4	28.1	19.1	13.7
NR4g	516399	177348	23.6	27.5	19.0	13.6
NR4h	516399	177348	26.7	27.1	18.8	13.6
NR5e	516371	177331	17.3	28.8	19.3	13.8
NR5f	516371	177331	20.4	28.0	19.1	13.7
NR5g	516371	177331	23.6	27.4	18.9	13.6
NR5h	516371	177331	26.7	27.0	18.8	13.6
NR6e	516382	177341	17.3	28.9	19.3	13.9
NR6f	516382	177341	20.4	28.1	19.1	13.7
NR6g	516382	177341	23.6	27.5	18.9	13.6
NR6h	516382	177341	26.7	27.0	18.8	13.6
NR7b	516390	177390	7.8	36.4	21.2	14.9
NR7c	516390	177390	11.0	32.6	20.3	14.4
NR7d	516390	177390	14.1	30.3	19.7	14.1
NR7e	516390	177390	17.3	28.9	19.3	13.9
NR7f	516390	177390	20.4	28.0	19.1	13.7
NR7g	516390	177390	23.6	27.4	18.9	13.6
NR7h	516390	177390	26.7	27.0	18.8	13.6
NR7i	516390	177390	29.9	26.7	18.7	13.5
NR7j	516390	177390	33.0	26.5	18.7	13.5
NR7k	516390	177390	36.2	26.4	18.6	13.5
NR7l	516390	177390	39.3	26.2	18.6	13.4
NR7m	516390	177390	42.5	26.2	18.5	13.4
NR7n	516390	177390	45.6	26.1	18.5	13.4
NR7o	516390	177390	48.8	26.1	18.5	13.4
NR7p	516390	177390	51.9	26.0	18.5	13.4
NR7q	516390	177390	55.1	26.0	18.5	13.4
NR7r	516390	177390	58.2	26.0	18.5	13.4

NR8b	516404	177389	7.8	35.4	20.9	14.8
NR8c	516404	177389	11.0	32.3	20.2	14.4
NR8d	516404	177389	14.1	30.2	19.7	14.1
NR8e	516404	177389	17.3	28.9	19.3	13.9
NR8f	516404	177389	20.4	28.0	19.1	13.7
NR8g	516404	177389	23.6	27.4	18.9	13.6
NR8h	516404	177389	26.7	27.0	18.8	13.6
NR9k	516392	177374	36.2	26.4	18.6	13.5
NR9l	516392	177374	39.3	26.2	18.6	13.4
NR9m	516392	177374	42.5	26.2	18.5	13.4
NR9n	516392	177374	45.6	26.1	18.5	13.4
NR9o	516392	177374	48.8	26.1	18.5	13.4
NR9p	516392	177374	51.9	26.1	18.5	13.4
NR9q	516392	177374	55.1	26.0	18.5	13.4
NR9r	516392	177374	58.2	26.0	18.5	13.4
NR10g	516406	177385	23.6	27.5	19.0	13.6
NR10h	516406	177385	26.7	27.1	18.8	13.6
NR10i	516406	177385	29.9	26.8	18.7	13.5
NR10j	516406	177385	33.0	26.5	18.7	13.5
NR10k	516406	177385	36.2	26.4	18.6	13.5
NR10l	516406	177385	39.3	26.3	18.6	13.4
NR10m	516406	177385	42.5	26.2	18.6	13.4
NR10n	516406	177385	45.6	26.1	18.5	13.4
NR10o	516406	177385	48.8	26.1	18.5	13.4
NR10p	516406	177385	51.9	26.1	18.5	13.4
NR10q	516406	177385	55.1	26.1	18.5	13.4
NR10r	516406	177385	58.2	26.1	18.5	13.4
NR11k	516409	177370	36.2	26.4	18.6	13.5
NR11l	516409	177370	39.3	26.3	18.6	13.4
NR11m	516409	177370	42.5	26.2	18.6	13.4
NR11n	516409	177370	45.6	26.1	18.5	13.4
NR11o	516409	177370	48.8	26.1	18.5	13.4
NR11p	516409	177370	51.9	26.1	18.5	13.4
NR11q	516409	177370	55.1	26.1	18.5	13.4
NR11r	516409	177370	58.2	26.1	18.5	13.4
NR12a	516487	177314	4.7	29.4	19.6	14.0
NR12b	516487	177314	7.8	29.2	19.5	13.9
NR12c	516487	177314	11.0	28.8	19.4	13.9
NR12d	516487	177314	14.1	28.5	19.3	13.8
NR12e	516487	177314	17.3	28.1	19.1	13.8
NR12f	516487	177314	20.4	27.7	19.0	13.7
NR13k	516437	177330	36.2	26.4	18.6	13.5
NR13l	516437	177330	39.3	26.3	18.6	13.4
NR13m	516437	177330	42.5	26.2	18.6	13.4
NR13n	516437	177330	45.6	26.1	18.5	13.4
NR13o	516437	177330	48.8	26.2	18.5	13.4
NR14a	516486	177304	4.7	29.4	19.6	14.0

NR14b	516486	177304	7.8	29.1	19.5	13.9
NR14c	516486	177304	11.0	28.8	19.4	13.9
NR14d	516486	177304	14.1	28.4	19.3	13.8
NR14e	516486	177304	17.3	28.0	19.1	13.7
NR14f	516486	177304	20.4	27.6	19.0	13.7
NR15e	516416	177322	17.3	28.6	19.3	13.8
NR15f	516416	177322	20.4	27.9	19.1	13.7
NR15g	516416	177322	23.6	27.4	18.9	13.6
NR15h	516416	177322	26.7	27.1	18.8	13.6
NR16e	516431	177311	17.3	28.4	19.2	13.8
NR16f	516431	177311	20.4	27.8	19.1	13.7
NR16g	516431	177311	23.6	27.4	18.9	13.6
NR16h	516431	177311	26.7	27.0	18.8	13.6
NR17e	516399	177298	17.3	28.3	19.2	13.8
NR17f	516399	177298	20.4	27.8	19.0	13.7
NR17g	516399	177298	23.6	27.3	18.9	13.6
NR17h	516399	177298	26.7	27.0	18.8	13.6
NR18e	516414	177287	17.3	28.1	19.1	13.8
NR18f	516414	177287	20.4	27.6	19.0	13.7
NR18g	516414	177287	23.6	27.3	18.9	13.6
NR18h	516414	177287	26.7	26.9	18.8	13.6
NR19e	516402	177286	17.3	28.1	19.1	13.7
NR19f	516402	177286	20.4	27.6	19.0	13.7
NR19g	516402	177286	23.6	27.2	18.9	13.6
NR19h	516402	177286	26.7	26.9	18.8	13.5
NR20e	516431	177322	17.3	28.5	19.2	13.8
NR20f	516431	177322	20.4	27.9	19.1	13.7
NR20g	516431	177322	23.6	27.4	18.9	13.6
NR20h	516431	177322	26.7	27.1	18.8	13.6
NR21f	516460	177287	20.4	27.6	19.0	13.7
NR21g	516460	177287	23.6	27.3	18.9	13.6
NR21h	516460	177287	26.7	27.0	18.8	13.6
NR21i	516460	177287	29.9	26.7	18.7	13.5
NR21j	516460	177287	33.0	26.5	18.7	13.5
NR22b	516455	177267	7.8	29.7	19.7	14.1
NR22c	516455	177267	11.0	29.1	19.5	13.9
NR22d	516455	177267	14.1	28.4	19.3	13.8
NR22e	516455	177267	17.3	27.9	19.1	13.7
NR22f	516455	177267	20.4	27.5	19.0	13.6
NR22g	516455	177267	23.6	27.2	18.9	13.6
NR22h	516455	177267	26.7	26.9	18.8	13.5
NR22i	516455	177267	29.9	26.7	18.7	13.5
NR22j	516455	177267	33.0	26.5	18.7	13.5
NR23f	516441	177279	20.4	27.6	19.0	13.7
NR23g	516441	177279	23.6	27.2	18.9	13.6
NR23h	516441	177279	26.7	26.9	18.8	13.5
NR23i	516441	177279	29.9	26.7	18.7	13.5

NR23j	516441	177279	33.0	26.5	18.7	13.5
NR24f	516434	177255	20.4	27.4	18.9	13.6
NR24g	516434	177255	23.6	27.1	18.8	13.6
NR24h	516434	177255	26.7	26.8	18.8	13.5
NR24i	516434	177255	29.9	26.6	18.7	13.5
NR24j	516434	177255	33.0	26.5	18.7	13.5
NR25e	516477	177320	17.3	28.2	19.2	13.8
NR25f	516477	177320	20.4	27.7	19.0	13.7
NR25g	516477	177320	23.6	27.4	18.9	13.6
NR25h	516477	177320	26.7	27.1	18.8	13.6
NR25i	516477	177320	29.9	26.8	18.8	13.5
NR25j	516477	177320	33.0	26.6	18.7	13.5
NR25k	516477	177320	36.2	26.4	18.6	13.5
NR25l	516477	177320	39.3	26.3	18.6	13.4
NR25m	516477	177320	42.5	26.2	18.6	13.4
NR25n	516477	177320	45.6	26.1	18.5	13.4
NR25o	516477	177320	48.8	26.1	18.5	13.4
NR26h	516335	177353	26.7	26.9	18.8	13.5
NR27e	516366	177378	17.3	29.0	19.4	13.9
NR27f	516366	177378	20.4	28.0	19.1	13.7
NR27g	516366	177378	23.6	27.4	18.9	13.6
NR27h	516366	177378	26.7	27.0	18.8	13.6
NR27i	516366	177378	29.9	26.7	18.7	13.5
NR27j	516366	177378	33.0	26.5	18.7	13.5
NR27k	516366	177378	36.2	26.3	18.6	13.4
NR27l	516366	177378	39.3	26.2	18.6	13.4
NR27m	516366	177378	42.5	26.1	18.5	13.4
NR28j	516341	177355	33.0	26.4	18.6	13.5
NR29l	516342	177355	32.0	26.5	18.7	13.5
NR30e	516346	177370	17.3	29.0	19.4	13.9
NR30f	516346	177370	20.4	28.0	19.1	13.7
NR30g	516346	177370	23.6	27.4	18.9	13.6
NR30h	516346	177370	26.7	27.0	18.8	13.6
NR31f	516366	177354	20.4	28.1	19.1	13.7
NR31g	516366	177354	23.6	27.5	18.9	13.6
NR31h	516366	177354	26.7	27.0	18.8	13.6
NR31f	516366	177354	20.4	28.1	19.1	13.7
NR31g	516366	177354	23.6	27.5	18.9	13.6
NR31h	516366	177354	26.7	27.0	18.8	13.6
NR31i	516366	177354	29.9	26.7	18.7	13.5
NR31j	516366	177354	33.0	26.5	18.7	13.5
NR31k	516366	177354	36.2	26.3	18.6	13.4
NR31l	516366	177354	39.3	26.2	18.6	13.4
NR31m	516366	177354	42.5	26.1	18.5	13.4
NR32e	516451	177346	17.3	28.5	19.3	13.8
NR32f	516451	177346	20.4	28.0	19.1	13.7
NR32g	516451	177346	23.6	27.5	19.0	13.6

NR32h	516451	177346	26.7	27.1	18.8	13.6
NR32f	516451	177346	20.4	28.0	19.1	13.7
NR32g	516451	177346	23.6	27.5	19.0	13.6
NR32h	516451	177346	26.7	27.1	18.8	13.6
NR32i	516451	177346	29.9	26.8	18.8	13.5
NR32j	516451	177346	33.0	26.6	18.7	13.5
NR32k	516451	177346	36.2	26.4	18.6	13.5
NR32l	516451	177346	39.3	26.3	18.6	13.4
NR32m	516451	177346	42.5	26.2	18.6	13.4
NR32n	516451	177346	45.6	26.2	18.5	13.4
NR33f	516382	177358	20.4	28.1	19.1	13.7
NR33g	516382	177358	23.6	27.5	19.0	13.6
NR33h	516382	177358	26.7	27.0	18.8	13.6
NR33f	516382	177358	20.4	28.1	19.1	13.7
NR33g	516382	177358	23.6	27.5	19.0	13.6
NR33h	516382	177358	26.7	27.0	18.8	13.6
NR33i	516382	177358	29.9	26.7	18.7	13.5
NR33j	516382	177358	33.0	26.5	18.7	13.5
NR33k	516382	177358	36.2	26.3	18.6	13.4
NR33l	516382	177358	39.3	26.2	18.6	13.4
NR33m	516382	177358	42.5	26.1	18.5	13.4
NR34f	516465	177305	20.4	27.7	19.0	13.7
NR34g	516465	177305	23.6	27.3	18.9	13.6
NR34h	516465	177305	26.7	27.0	18.8	13.6
NR34f	516465	177305	20.4	27.7	19.0	13.7
NR34g	516465	177305	23.6	27.3	18.9	13.6
NR34h	516465	177305	26.7	27.0	18.8	13.6
NR34i	516465	177305	29.9	26.8	18.7	13.5
NR34j	516465	177305	33.0	26.6	18.7	13.5
NR34k	516465	177305	36.2	26.4	18.6	13.5
NR34l	516465	177305	39.3	26.3	18.6	13.4
NR34m	516465	177305	42.5	26.2	18.6	13.4
NR34n	516465	177305	45.6	26.1	18.5	13.4
NR34o	516465	177305	48.8	26.0	18.5	13.4
NR35k	516463	177319	36.2	26.4	18.6	13.5
NR35l	516463	177319	39.3	26.3	18.6	13.4
NR35m	516463	177319	42.5	26.2	18.6	13.4
NR35n	516463	177319	45.6	26.1	18.5	13.4
NR35o	516463	177319	48.8	26.0	18.5	13.4
NR36f	516480	177306	20.4	27.7	19.0	13.7
NR36g	516480	177306	23.6	27.3	18.9	13.6
NR36h	516480	177306	26.7	27.0	18.8	13.6
NR36f	516480	177306	20.4	27.7	19.0	13.7
NR36g	516480	177306	23.6	27.3	18.9	13.6
NR36h	516480	177306	26.7	27.0	18.8	13.6
NR36i	516480	177306	29.9	26.8	18.7	13.5
NR36j	516480	177306	33.0	26.6	18.7	13.5

NR36k	516480	177306	36.2	26.4	18.6	13.5
NR36l	516480	177306	39.3	26.3	18.6	13.4
NR36m	516480	177306	42.5	26.2	18.6	13.4
NR36n	516480	177306	45.6	26.1	18.5	13.4
NR36o	516480	177306	48.8	26.1	18.5	13.4
NR37k	516437	177344	36.2	26.4	18.6	13.5
NR37l	516437	177344	39.3	26.3	18.6	13.4
NR37m	516437	177344	42.5	26.2	18.6	13.4
NR37n	516437	177344	45.6	26.2	18.5	13.4
NR37o	516437	177344	48.8	26.2	18.5	13.4
NR38k	516452	177330	36.2	26.4	18.6	13.5
NR38l	516452	177330	39.3	26.3	18.6	13.4
NR38m	516452	177330	42.5	26.2	18.6	13.4
NR38n	516452	177330	45.6	26.1	18.5	13.4
NR38o	516452	177330	48.8	26.2	18.5	13.4
NR39a	516408	177357	4.7	33.3	20.5	14.5
NR39b	516408	177357	7.8	32.3	20.2	14.4
NR39c	516408	177357	11.0	31.1	19.9	14.2
NR39d	516408	177357	14.1	29.9	19.6	14.0
NR39e	516408	177357	17.3	28.9	19.3	13.9
NR39f	516408	177357	20.4	28.1	19.1	13.7
NR39g	516408	177357	23.6	27.5	19.0	13.6
NR39h	516408	177357	26.7	27.1	18.8	13.6
NR40b	516423	177372	7.8	32.6	20.3	14.4
NR40c	516423	177372	11.0	31.2	20.0	14.2
NR40d	516423	177372	14.1	29.9	19.6	14.0
NR40e	516423	177372	17.3	28.9	19.3	13.9
NR40f	516423	177372	20.4	28.1	19.1	13.7
NR41b	516437	177360	7.8	31.3	20.0	14.3
NR41c	516437	177360	11.0	30.4	19.8	14.1
NR41d	516437	177360	14.1	29.5	19.5	14.0
NR41e	516437	177360	17.3	28.7	19.3	13.8
NR41f	516437	177360	20.4	28.1	19.1	13.7
NR42a	516424	177344	4.7	31.8	20.2	14.3
NR42b	516424	177344	7.8	31.2	20.0	14.2
NR42c	516424	177344	11.0	30.3	19.8	14.1
NR42d	516424	177344	14.1	29.5	19.5	14.0
NR42e	516424	177344	17.3	28.7	19.3	13.8
NR42f	516424	177344	20.4	28.0	19.1	13.7
NR42g	516424	177344	23.6	27.5	19.0	13.6
NR42h	516424	177344	26.7	27.1	18.8	13.6
NR43e	516333	177360	17.3	29.0	19.3	13.9
NR43f	516333	177360	20.4	28.0	19.1	13.7
NR43g	516333	177360	23.6	27.4	18.9	13.6
NR43h	516333	177360	26.7	26.9	18.8	13.5
NR44e	516331	177350	17.3	29.0	19.3	13.9
NR44f	516331	177350	20.4	28.0	19.1	13.7

NR44g	516331	177350	23.6	27.4	18.9	13.6
NR44h	516331	177350	26.7	26.9	18.8	13.5
NR45e	516333	177343	17.3	28.9	19.3	13.9
NR45f	516333	177343	20.4	28.0	19.1	13.7
NR45g	516333	177343	23.6	27.4	18.9	13.6
NR45h	516333	177343	26.7	26.9	18.8	13.5
NR46e	516341	177336	17.3	28.9	19.3	13.8
NR46f	516341	177336	20.4	28.0	19.1	13.7
NR46g	516341	177336	23.6	27.4	18.9	13.6
NR46h	516341	177336	26.7	27.0	18.8	13.6
NR47e	516351	177336	17.3	28.9	19.3	13.9
NR47f	516351	177336	20.4	28.0	19.1	13.7
NR47g	516351	177336	23.6	27.4	18.9	13.6
NR47h	516351	177336	26.7	27.0	18.8	13.6
NR48	516347	177358	38.0	26.2	18.6	13.4
NR43e	516333	177360	17.3	29.0	19.3	13.9
NR43f	516333	177360	20.4	28.0	19.1	13.7
NR43g	516333	177360	23.6	27.4	18.9	13.6
NR43h	516333	177360	26.7	26.9	18.8	13.5
NR44e	516331	177350	17.3	29.0	19.3	13.9
NR44f	516331	177350	20.4	28.0	19.1	13.7
NR44g	516331	177350	23.6	27.4	18.9	13.6
NR44h	516331	177350	26.7	26.9	18.8	13.5
NR45e	516333	177343	17.3	28.9	19.3	13.9
NR45f	516333	177343	20.4	28.0	19.1	13.7
NR45g	516333	177343	23.6	27.4	18.9	13.6
NR45h	516333	177343	26.7	26.9	18.8	13.5
NR46e	516341	177336	17.3	28.9	19.3	13.8
NR46f	516341	177336	20.4	28.0	19.1	13.7
NR46g	516341	177336	23.6	27.4	18.9	13.6
NR46h	516341	177336	26.7	27.0	18.8	13.6
NR47e	516351	177336	17.3	28.9	19.3	13.9
NR47f	516351	177336	20.4	28.0	19.1	13.7
NR47g	516351	177336	23.6	27.4	18.9	13.6
NR47h	516351	177336	26.7	27.0	18.8	13.6

Table 6 Predicted short term PM10 calculation new receptor locations at opening year

Receptor	X	Y	Height (m)	PM ₁₀ Annual Mean	Expected number of daily exceedances*
Tesco Entrance A	516326	177352	1.5	23.07	8
Tesco Entrance B	516332	177364	1.5	23.73	10
NR1e	516369	177313	17.3	19.24	3
NR1f	516369	177313	20.4	19.05	2
NR1g	516369	177313	23.6	18.90	2
NR1h	516369	177313	26.7	18.80	2
NR2e	516385	177315	17.3	19.25	3
NR2f	516385	177315	20.4	19.06	2
NR2g	516385	177315	23.6	18.91	2
NR2h	516385	177315	26.7	18.81	2
NR3e	516399	177331	17.3	19.30	3
NR3f	516399	177331	20.4	19.10	2
NR3g	516399	177331	23.6	18.94	2
NR3h	516399	177331	26.7	18.83	2
NR4e	516399	177348	17.3	19.34	3
NR4f	516399	177348	20.4	19.13	2
NR4g	516399	177348	23.6	18.96	2
NR4h	516399	177348	26.7	18.83	2
NR5e	516371	177331	17.3	19.32	3
NR5f	516371	177331	20.4	19.09	2
NR5g	516371	177331	23.6	18.93	2
NR5h	516371	177331	26.7	18.81	2
NR6e	516382	177341	17.3	19.34	3
NR6f	516382	177341	20.4	19.12	2
NR6g	516382	177341	23.6	18.94	2
NR6h	516382	177341	26.7	18.82	2
NR7b	516390	177390	7.8	21.17	5
NR7c	516390	177390	11.0	20.25	4
NR7d	516390	177390	14.1	19.69	3
NR7e	516390	177390	17.3	19.34	3
NR7f	516390	177390	20.4	19.11	2
NR7g	516390	177390	23.6	18.94	2
NR7h	516390	177390	26.7	18.82	2
NR7i	516390	177390	29.9	18.74	2
NR7j	516390	177390	33.0	18.67	2
NR7k	516390	177390	36.2	18.62	2
NR7l	516390	177390	39.3	18.58	2
NR7m	516390	177390	42.5	18.55	2
NR7n	516390	177390	45.6	18.52	2
NR7o	516390	177390	48.8	18.50	2
NR7p	516390	177390	51.9	18.49	2
NR7q	516390	177390	55.1	18.47	2
NR7r	516390	177390	58.2	18.46	2

NR8b	516404	177389	7.8	20.94	5
NR8c	516404	177389	11.0	20.20	4
NR8d	516404	177389	14.1	19.68	3
NR8e	516404	177389	17.3	19.34	3
NR8f	516404	177389	20.4	19.11	2
NR8g	516404	177389	23.6	18.95	2
NR8h	516404	177389	26.7	18.83	2
NR9k	516392	177374	36.2	18.62	2
NR9l	516392	177374	39.3	18.58	2
NR9m	516392	177374	42.5	18.55	2
NR9n	516392	177374	45.6	18.52	2
NR9o	516392	177374	48.8	18.50	2
NR9p	516392	177374	51.9	18.49	2
NR9q	516392	177374	55.1	18.47	2
NR9r	516392	177374	58.2	18.46	2
NR10g	516406	177385	23.6	18.95	2
NR10h	516406	177385	26.7	18.83	2
NR10i	516406	177385	29.9	18.74	2
NR10j	516406	177385	33.0	18.67	2
NR10k	516406	177385	36.2	18.62	2
NR10l	516406	177385	39.3	18.58	2
NR10m	516406	177385	42.5	18.55	2
NR10n	516406	177385	45.6	18.53	2
NR10o	516406	177385	48.8	18.51	2
NR10p	516406	177385	51.9	18.49	2
NR10q	516406	177385	55.1	18.48	2
NR10r	516406	177385	58.2	18.46	2
NR11k	516409	177370	36.2	18.62	2
NR11l	516409	177370	39.3	18.58	2
NR11m	516409	177370	42.5	18.55	2
NR11n	516409	177370	45.6	18.53	2
NR11o	516409	177370	48.8	18.51	2
NR11p	516409	177370	51.9	18.49	2
NR11q	516409	177370	55.1	18.48	2
NR11r	516409	177370	58.2	18.46	2
NR12a	516487	177314	4.7	19.57	3
NR12b	516487	177314	7.8	19.49	3
NR12c	516487	177314	11.0	19.39	3
NR12d	516487	177314	14.1	19.27	3
NR12e	516487	177314	17.3	19.14	2
NR12f	516487	177314	20.4	19.03	2
NR13k	516437	177330	36.2	18.63	2
NR13l	516437	177330	39.3	18.59	2
NR13m	516437	177330	42.5	18.56	2
NR13n	516437	177330	45.6	18.53	2
NR13o	516437	177330	48.8	18.51	2
NR14a	516486	177304	4.7	19.56	3

NR14b	516486	177304	7.8	19.48	3
NR14c	516486	177304	11.0	19.37	3
NR14d	516486	177304	14.1	19.25	3
NR14e	516486	177304	17.3	19.13	2
NR14f	516486	177304	20.4	19.01	2
NR15e	516416	177322	17.3	19.26	3
NR15f	516416	177322	20.4	19.08	2
NR15g	516416	177322	23.6	18.94	2
NR15h	516416	177322	26.7	18.83	2
NR16e	516431	177311	17.3	19.22	3
NR16f	516431	177311	20.4	19.06	2
NR16g	516431	177311	23.6	18.93	2
NR16h	516431	177311	26.7	18.82	2
NR17e	516399	177298	17.3	19.19	2
NR17f	516399	177298	20.4	19.02	2
NR17g	516399	177298	23.6	18.89	2
NR17h	516399	177298	26.7	18.80	2
NR18e	516414	177287	17.3	19.15	2
NR18f	516414	177287	20.4	19.00	2
NR18g	516414	177287	23.6	18.88	2
NR18h	516414	177287	26.7	18.79	2
NR19e	516402	177286	17.3	19.14	2
NR19f	516402	177286	20.4	18.99	2
NR19g	516402	177286	23.6	18.87	2
NR19h	516402	177286	26.7	18.79	2
NR20e	516431	177322	17.3	19.25	3
NR20f	516431	177322	20.4	19.08	2
NR20g	516431	177322	23.6	18.94	2
NR20h	516431	177322	26.7	18.83	2
NR21f	516460	177287	20.4	19.00	2
NR21g	516460	177287	23.6	18.89	2
NR21h	516460	177287	26.7	18.80	2
NR21i	516460	177287	29.9	18.73	2
NR21j	516460	177287	33.0	18.67	2
NR22b	516455	177267	7.8	19.71	3
NR22c	516455	177267	11.0	19.48	3
NR22d	516455	177267	14.1	19.27	3
NR22e	516455	177267	17.3	19.10	2
NR22f	516455	177267	20.4	18.96	2
NR22g	516455	177267	23.6	18.86	2
NR22h	516455	177267	26.7	18.78	2
NR22i	516455	177267	29.9	18.71	2
NR22j	516455	177267	33.0	18.66	2
NR23f	516441	177279	20.4	18.99	2
NR23g	516441	177279	23.6	18.88	2
NR23h	516441	177279	26.7	18.79	2
NR23i	516441	177279	29.9	18.72	2

NR23j	516441	177279	33.0	18.66	2
NR24f	516434	177255	20.4	18.92	2
NR24g	516434	177255	23.6	18.83	2
NR24h	516434	177255	26.7	18.76	2
NR24i	516434	177255	29.9	18.70	2
NR24j	516434	177255	33.0	18.65	2
NR25e	516477	177320	17.3	19.17	2
NR25f	516477	177320	20.4	19.04	2
NR25g	516477	177320	23.6	18.93	2
NR25h	516477	177320	26.7	18.84	2
NR25i	516477	177320	29.9	18.76	2
NR25j	516477	177320	33.0	18.69	2
NR25k	516477	177320	36.2	18.64	2
NR25l	516477	177320	39.3	18.60	2
NR25m	516477	177320	42.5	18.56	2
NR25n	516477	177320	45.6	18.54	2
NR25o	516477	177320	48.8	18.52	2
NR26h	516335	177353	26.7	18.78	2
NR27e	516366	177378	17.3	19.36	3
NR27f	516366	177378	20.4	19.11	2
NR27g	516366	177378	23.6	18.93	2
NR27h	516366	177378	26.7	18.81	2
NR27i	516366	177378	29.9	18.72	2
NR27j	516366	177378	33.0	18.66	2
NR27k	516366	177378	36.2	18.61	2
NR27l	516366	177378	39.3	18.57	2
NR27m	516366	177378	42.5	18.54	2
NR28j	516341	177355	33.0	18.64	2
NR29l	516342	177355	32.0	18.66	2
NR30e	516346	177370	17.3	19.36	3
NR30f	516346	177370	20.4	19.10	2
NR30g	516346	177370	23.6	18.92	2
NR30h	516346	177370	26.7	18.80	2
NR31f	516366	177354	20.4	19.12	2
NR31g	516366	177354	23.6	18.94	2
NR31h	516366	177354	26.7	18.81	2
NR31f	516366	177354	20.4	19.12	2
NR31g	516366	177354	23.6	18.94	2
NR31h	516366	177354	26.7	18.81	2
NR31i	516366	177354	29.9	18.72	2
NR31j	516366	177354	33.0	18.66	2
NR31k	516366	177354	36.2	18.61	2
NR31l	516366	177354	39.3	18.57	2
NR31m	516366	177354	42.5	18.54	2
NR32e	516451	177346	17.3	19.26	3
NR32f	516451	177346	20.4	19.10	2
NR32g	516451	177346	23.6	18.96	2

NR32h	516451	177346	26.7	18.85	2
NR32f	516451	177346	20.4	19.10	2
NR32g	516451	177346	23.6	18.96	2
NR32h	516451	177346	26.7	18.85	2
NR32i	516451	177346	29.9	18.76	2
NR32j	516451	177346	33.0	18.69	2
NR32k	516451	177346	36.2	18.64	2
NR32l	516451	177346	39.3	18.59	2
NR32m	516451	177346	42.5	18.56	2
NR32n	516451	177346	45.6	18.53	2
NR33f	516382	177358	20.4	19.13	2
NR33g	516382	177358	23.6	18.95	2
NR33h	516382	177358	26.7	18.82	2
NR33f	516382	177358	20.4	19.13	2
NR33g	516382	177358	23.6	18.95	2
NR33h	516382	177358	26.7	18.82	2
NR33i	516382	177358	29.9	18.73	2
NR33j	516382	177358	33.0	18.66	2
NR33k	516382	177358	36.2	18.61	2
NR33l	516382	177358	39.3	18.57	2
NR33m	516382	177358	42.5	18.54	2
NR34f	516465	177305	20.4	19.03	2
NR34g	516465	177305	23.6	18.92	2
NR34h	516465	177305	26.7	18.82	2
NR34f	516465	177305	20.4	19.03	2
NR34g	516465	177305	23.6	18.92	2
NR34h	516465	177305	26.7	18.82	2
NR34i	516465	177305	29.9	18.75	2
NR34j	516465	177305	33.0	18.68	2
NR34k	516465	177305	36.2	18.63	2
NR34l	516465	177305	39.3	18.59	2
NR34m	516465	177305	42.5	18.56	2
NR34n	516465	177305	45.6	18.53	2
NR34o	516465	177305	48.8	18.51	2
NR35k	516463	177319	36.2	18.64	2
NR35l	516463	177319	39.3	18.59	2
NR35m	516463	177319	42.5	18.56	2
NR35n	516463	177319	45.6	18.54	2
NR35o	516463	177319	48.8	18.51	2
NR36f	516480	177306	20.4	19.02	2
NR36g	516480	177306	23.6	18.91	2
NR36h	516480	177306	26.7	18.82	2
NR36f	516480	177306	20.4	19.02	2
NR36g	516480	177306	23.6	18.91	2
NR36h	516480	177306	26.7	18.82	2
NR36i	516480	177306	29.9	18.75	2
NR36j	516480	177306	33.0	18.69	2

NR36k	516480	177306	36.2	18.64	2
NR36l	516480	177306	39.3	18.60	2
NR36m	516480	177306	42.5	18.56	2
NR36n	516480	177306	45.6	18.54	2
NR36o	516480	177306	48.8	18.52	2
NR37k	516437	177344	36.2	18.63	2
NR37l	516437	177344	39.3	18.59	2
NR37m	516437	177344	42.5	18.56	2
NR37n	516437	177344	45.6	18.53	2
NR37o	516437	177344	48.8	18.51	2
NR38k	516452	177330	36.2	18.64	2
NR38l	516452	177330	39.3	18.59	2
NR38m	516452	177330	42.5	18.56	2
NR38n	516452	177330	45.6	18.53	2
NR38o	516452	177330	48.8	18.51	2
NR39a	516408	177357	4.7	20.52	4
NR39b	516408	177357	7.8	20.25	4
NR39c	516408	177357	11.0	19.93	3
NR39d	516408	177357	14.1	19.62	3
NR39e	516408	177357	17.3	19.35	3
NR39f	516408	177357	20.4	19.13	2
NR39g	516408	177357	23.6	18.96	2
NR39h	516408	177357	26.7	18.84	2
NR40b	516423	177372	7.8	20.31	4
NR40c	516423	177372	11.0	19.95	3
NR40d	516423	177372	14.1	19.62	3
NR40e	516423	177372	17.3	19.34	3
NR40f	516423	177372	20.4	19.13	2
NR41b	516437	177360	7.8	20.03	3
NR41c	516437	177360	11.0	19.78	3
NR41d	516437	177360	14.1	19.53	3
NR41e	516437	177360	17.3	19.31	3
NR41f	516437	177360	20.4	19.12	2
NR42a	516424	177344	4.7	20.17	4
NR42b	516424	177344	7.8	19.99	3
NR42c	516424	177344	11.0	19.76	3
NR42d	516424	177344	14.1	19.52	3
NR42e	516424	177344	17.3	19.30	3
NR42f	516424	177344	20.4	19.11	2
NR42g	516424	177344	23.6	18.96	2
NR42h	516424	177344	26.7	18.84	2
NR43e	516333	177360	17.3	19.35	3
NR43f	516333	177360	20.4	19.08	2
NR43g	516333	177360	23.6	18.90	2
NR43h	516333	177360	26.7	18.78	2
NR44e	516331	177350	17.3	19.33	3
NR44f	516331	177350	20.4	19.07	2

NR44g	516331	177350	23.6	18.90	2
NR44h	516331	177350	26.7	18.78	2
NR45e	516333	177343	17.3	19.32	3
NR45f	516333	177343	20.4	19.07	2
NR45g	516333	177343	23.6	18.90	2
NR45h	516333	177343	26.7	18.78	2
NR46e	516341	177336	17.3	19.31	3
NR46f	516341	177336	20.4	19.07	2
NR46g	516341	177336	23.6	18.90	2
NR46h	516341	177336	26.7	18.79	2
NR47e	516351	177336	17.3	19.32	3
NR47f	516351	177336	20.4	19.08	2
NR47g	516351	177336	23.6	18.91	2
NR47h	516351	177336	26.7	18.80	2
NR48	516347	177358	38.0	18.58	2
NR43e	516333	177360	17.3	19.35	3
NR43f	516333	177360	20.4	19.08	2
NR43g	516333	177360	23.6	18.90	2
NR43h	516333	177360	26.7	18.78	2
NR44e	516331	177350	17.3	19.33	3
NR44f	516331	177350	20.4	19.07	2
NR44g	516331	177350	23.6	18.90	2
NR44h	516331	177350	26.7	18.78	2
NR45e	516333	177343	17.3	19.32	3
NR45f	516333	177343	20.4	19.07	2
NR45g	516333	177343	23.6	18.90	2
NR45h	516333	177343	26.7	18.78	2
NR46e	516341	177336	17.3	19.31	3
NR46f	516341	177336	20.4	19.07	2
NR46g	516341	177336	23.6	18.90	2
NR46h	516341	177336	26.7	18.79	2
NR47e	516351	177336	17.3	19.32	3
NR47f	516351	177336	20.4	19.08	2
NR47g	516351	177336	23.6	18.91	2
NR47h	516351	177336	26.7	18.80	2

*Calculations follow suggested methodology outlined in Defra (2018) LAQM TG.16.

No. of 24 hour mean exceedances = $-18.5 + 0.00145 \times \text{annual mean}^3 + (206/\text{annual mean})$