

**Proforma for development proposals in Camden to inform assessment of Air Quality v1a**

All relevant sections below need to be completed on the site and all relevant to the

Camden cases only with advice document and additional references, required to successfully approve

Non residential / notes as relevant to

Complete the summary tab and relevant tab depending on the type of Air Quality Assessment required.

**Introduction:** This Proforma is intended to help you understand the air quality considerations we will take into account when considering an application in Camden, as well as helping us to consider the application. This does not replace the requirement to provide an Air Quality Assessment or the detailed guidance in the Camden Planning Guidance (CPG) on Air Quality. Any information provided should be referenced to the relevant sections of submitted supporting documents. This summary page will help provide key details on the application.

Application details	
Proposed scheme (scheme description)	119 - 117 Fawcett Road, Camden
Reference name	119 - 117 Fawcett Road, Camden
Address	119 - 117 Fawcett Road, Camden
Location	119 - 117 Fawcett Road, Camden
Type of development (choose those that apply)	Residential
Use of residential sites	Existing
Scale of development details (m <sup>2</sup> )	TOTAL gross floor area of development (m <sup>2</sup> )
Total floor area of development (GFA)	119 - 117 Fawcett Road, Camden
of which residential	119 - 117 Fawcett Road, Camden
of which non-residential	119 - 117 Fawcett Road, Camden
Air Quality Assessment (Assessment Status)	Proposed 2016 Air Quality Assessment
Assessment includes non-domestic accommodation and reception	Yes
Development uses solar PV generation	Yes

**Guidelines / notes**

Any known interested name for the development

10+ residential units is a major development even if less than 1000 sq m. If over 70 new residences then an AQA is required. This should include all floor area which is part of the application including change of use and refurbishment. Over 1000 sq m is a major development even if less than 10 dwellings.

New total floor area minus floor area of any existing buildings

If a commercial development with floorspace over 2500sqm then an AQA is required. Full site, author, date and version

Note this should not be in the future as future background concentrations are not accepted.

Assessment/Details	1 Air Quality Assessment (AQA) requirement		Justification / Response	
	Air Quality in development area (to determine assessment requirement)	Response	Document	Page/section reference
1. AQA in development area (to determine assessment requirement)	NO	NO	LAI 2016 maps	N/A
2. AQA in development area (to determine assessment requirement)	NO	NO	LAI 2016 maps	N/A
3. AQA in development area (to determine assessment requirement)	NO	NO	LAI 2016 maps	N/A
4. Does the proposal introduce new receptors?	NO	NO	Development Description	N/A
5. Will the proposal include sensitive receptors?	NO	NO	Development Description	N/A
6. Is there a likely increase in traffic levels from existing base?	NO	NO	No Present Parking, Development Description	N/A
7. Includes biomass boilers or CHP (domestic heat and power)	NO	NO	Energy and Sustainability Statement	N/A
8. Includes connections to heating/ventilation energy networks	NO	NO	Energy and Sustainability Statement	N/A
9. Includes substantial earthworks or demolition?	NO	NO	Yes	N/A

Refer to LAI 2016 maps (or more recent version if available), local monitoring data or site specific monitoring. See <https://www.londonair.org.uk/map-maker/> National objective is 40µg/m<sup>3</sup> per annum but if within 5% thereafter over 38 µg/m<sup>3</sup> per annum then this is considered a poor air quality area for the purposes of the AQA requirement.

Refer to LAI 2016 maps (or more recent version if available), local monitoring data or site specific monitoring. See <https://www.londonair.org.uk/map-maker/> WHO Limits are in the new London Plan and are therefore a material consideration. Therefore if over 25µg/m<sup>3</sup> per annum this is considered a poor air quality area for the purposes of the AQA requirement.

Refer to LAI 2016 maps (or more recent version if available), local monitoring data or site specific monitoring. See <https://www.londonair.org.uk/map-maker/> WHO Limits are in the new London Plan and are therefore a material consideration. Therefore if over 10µg/m<sup>3</sup> per annum this is considered a poor air quality area for the purposes of the AQA requirement.

Sensitive uses include residential use in areas exceeding the long term objective. Therefore any net increase in dwelling capacity in an area of poor air quality would be considered to require a detailed AQA. Note, if a hotel provides temporary accommodation this would be considered to be introducing new receptors. Additional non-domestic accommodation such as hostels and student accommodation where residents may stay for more than 1 year, is also considered to bring receptors.

Nurseries, schools, care homes, hospitals.

Expected increase in Annual Average Daily Traffic.

Should include all works classified as medium or large for STEP2A of the Guidance on the Assessment of dust from demolition and construction.

Note if a basic (screening) AQA then identifies the need for a detailed assessment then this should be completed.

As set out in CPG Air Quality

Criteria met		Assessments Required	
Scale	Scheme brings sensitive air quality receptors	Air Quality Assessment Type	Air Quality Method
Major	YES	YES	Required
	NO	YES	Required
	NO	NO	Required
	NO	NO	Required
Minor	YES	YES	Not required
	NO	YES	Not required
	YES	NO	Not required
	NO	NO	Not required

Area of poor air quality - an area with NO<sub>2</sub> within 5% below the air quality objective, 38µg/m<sup>3</sup> (micrograms per cubic metre) or within 5% below WHO limit of 25µg/m<sup>3</sup> for PM<sub>10</sub> and 10µg/m<sup>3</sup> for PM<sub>2.5</sub> in line with the New London Plan.

Sensitive uses include nurseries, schools, care homes, hostels and residential use in areas exceeding the long term objective. Therefore any increase in dwelling capacity in an area of poor air quality would be considered to require a detailed AQA. Note, if a hotel provides temporary accommodation this would be considered to be introducing new receptors. Additional student accommodation is also considered to bring receptors.

Air quality impacts - proposals produce changes in emissions from building sources, small industrial processes (including Short Term Operating Reserve and similar), or vehicle movements. (STOR power generators are those used intermittently to supply intensive amounts of electricity to the grid at short notice)

**Proforma for development in Camden - Air Quality Requirements**

All relevant yellow boxes must be completed

Complete orange cells with source document and section/page references, required to justify/support responses

See guidelines / notes in column M

Recommendation  
(Council to complete)

**2. Background AQ**

Background concentrations used for modelling	Response
a. Background annual NO <sub>2</sub> in vicinity of development	27.88 $\mu\text{g}/\text{m}^3$
b. Background annual PM <sub>10</sub> in vicinity of development	19.02 $\mu\text{g}/\text{m}^3$
c. Background annual PM <sub>2.5</sub> in vicinity of development	12.24 $\mu\text{g}/\text{m}^3$
d. Background data source	DEFRA background maps

Document	Page/ section reference
2205351-R01 Air Quality Assessment	33
2205351-R01 Air Quality Assessment	33
2205351-R01 Air Quality Assessment	33
Defra Background Maps	N/A

Approve/Condition/Refuse

Approve/Condition/Refuse

Approve/Condition/Refuse

**3. Operational impact of development on local area**

	Response
a. If gas boilers are proposed what is the NO <sub>x</sub> rating?	<40 $\mu\text{g}/\text{m}^3$
b. Is the development "zero on-site emission" (energy sources)	NO
c. Is the development "zero on-site emission" (non-energy sources)	YES
d. Is the development car free?	YES
e. Is CHP proposed?	NO
f. Is a biomass boiler proposed?	NO
g. Is any stack at least 1m above the highest part of the development?	N/A
h. What capacity of emergency or STOR generation is proposed?	N/A $\text{kWe}$
i. Emergency or STOR generation fuel source?	N/A

Document	Page/ section reference
Energy and Sustainability Statement	18
Energy and Sustainability Statement	N/A
Energy and Sustainability Statement	N/A
No Proposed Parking	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

Approve/Condition/Refuse

**3a. Air Quality Neutral Assessment (required for all Major developments)**

	NO <sub>x</sub> kg per annum	PM <sub>10</sub> kg per annum
Building Emissions Benchmark (BEB)	N/A	N/A
Total Building Emissions for development	N/A	N/A
<b>Difference</b>	#VALUE!	#VALUE!
Transport Emissions Benchmark (TEB)	N/A	N/A
Total Transport Emissions for development	N/A	N/A
<b>Difference</b>	#VALUE!	#VALUE!
<b>Air Quality Neutral</b>	#VALUE!	

Document	Page/ section reference
2205351-R01 Air Quality Assessment	40
2205351-R01 Air Quality Assessment	41
2205351-R01 Air Quality Assessment	42
2205351-R01 Air Quality Assessment	43
2205351-R01 Air Quality Assessment	44
2205351-R01 Air Quality Assessment	45

Approve/Condition/Refuse

**4. Operational impact of development on occupants**

Expected (worst case) air quality at the development	Response
a. Are the expected 'with development' NO <sub>2</sub> levels for the site above 38 $\mu\text{g}/\text{m}^3$	NO
b. Are the expected 'with development' NO <sub>2</sub> levels for the site above 42 $\mu\text{g}/\text{m}^3$	
c. Are the expected 'with development' NO <sub>2</sub> levels for the site above 60 $\mu\text{g}/\text{m}^3$	
d. Are the expected 'with development' PM <sub>10</sub> levels for the site above 20 $\mu\text{g}/\text{m}^3$	YES
e. Are the expected 'with development' PM <sub>2.5</sub> levels for the site above 10 $\mu\text{g}/\text{m}^3$	YES
Mitigation proposed to protect internal air quality	Response
a. Is MVHR proposed?	NO
b. Will the MVHR inlet(s) be at roof level and away from busy roads and other emission sources such as extract systems and flues?	
c. Is NO <sub>x</sub> filtration proposed?	
d. Is particulate filtration proposed?	
e. Will windows be openable?	Yes
f. Are winter gardens proposed?	YES
g. Other mitigation proposed (provide reference for details)	N/A

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2205351-R01 Air Quality Assessment	39
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Approve/Condition/Refuse

**5. Demolition and construction impact**

	Response
a. What is the construction dust risk <b>before</b> mitigation?	low
b. Has mitigation been proposed in line with the GLA checklist for risk level in a)?	YES
c. Is real time dust monitoring proposed?	NO
d. How many real time dust monitors are proposed?	
e. Are there any other developments within a 100m radius of the development?	
f. Is the site within 10m of a school or hospital?	NO
g. Is the site within 500m of a school or hospital?	YES

Document	Page / section reference
2205351-R01 Air Quality Assessment	36
2205351-R01 Air Quality Assessment	41-44
N/A	N/A
N/A	N/A
N/A	N/A
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f. Is a biomass boiler proposed?	NO
g. Is any stack at least 1m above the highest part of the development?	N/A
h. What output capacity of emergency or STOR generation is proposed?	N/A kWe
i. Emergency or STOR generation fuel source?	N/A

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2205351-R01 Air Quality Assessment	44
2205351-R01 Air Quality Assessment	45

Approve/Condition/Refuse

**4. Operational impact of development on occupants**

Model details	Response
a. Emissions factor toolkit version used	V11
b. Air quality modelling software used (names and versions)	ADMS-Roads

Modelled annual expected (worst case) air quality at the development	Response
a. Are any expected 'with development' NO <sub>2</sub> levels for the site above 38µg/m <sup>3</sup>	NO
b. Are any expected 'with development' NO <sub>2</sub> levels for the site above 42µg/m <sup>3</sup>	NO
c. Are any expected 'with development' NO <sub>2</sub> levels for the site above 60µg/m <sup>3</sup>	NO
d. Are any expected 'with development' PM <sub>10</sub> levels for the site above 20µg/m <sup>3</sup>	YES
e. Are any expected 'with development' PM <sub>2.5</sub> levels for the site above 10µg/m <sup>3</sup>	YES
f. Has air quality been modelled at all levels and all facades?	YES

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N/A	N/A
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2205351-R01 Air Quality Assessment	23

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e. Will windows be openable?	Yes
f. Are winter gardens proposed?	YES
g. Other mitigation proposed (provide reference for details)	

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**5. Demolition and construction impact**

	Response
a. What is the highest demolition/construction dust risk <b>before</b> mitigation?	low
b. Has mitigation been proposed in line with the GLA checklist for risk level in	YES
c. Is real time dust monitoring proposed?	NO
d. How many real time dust monitors are proposed?	
e. Are there any other developments within a 100m radius of the development	
f. Is the site within 10m of a school or hospital?	NO
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