

Worksheet 1a Environment: Local Air Quality - Plan Level

PM₁₀, ROUTE 1.	0-50m	50-100m	100-150m	150-200m	0-200m
Route name:	(i)	(ii)	(iii)	(iv)	(v=i+ii+iii+iv)
Properties (amin)					0
Properties (asome)					0
PM ₁₀ concentration at average point within band for <i>do-minimum</i> (bmin)	At 20m:	At 70m:	At 115m:	At 175m:	N/A
PM ₁₀ concentration at average point within band for <i>do-something</i> (bsome)	At 20m:	At 70m:	At 115m:	At 175m:	N/A
<i>Do-minimum</i> PM ₁₀ assessment (c = amin*bmin)	0	0	0	0	Total route assess PM ₁₀ (I): 0
<i>Do-something</i> PM ₁₀ assessment (c = asome*bsome)	0	0	0	0	Total route assess PM ₁₀ (II): 0
Net total route assessment for PM₁₀ (II-I)	0	0	0		0

Note: The above calculations must be repeated for the existing route, the new route (if the proposal provides one) and any other local routes affected. The worksheet shown above is for PM₁₀ but a similar one is available for NO₂.

Reference Sources: _____

Quantitative measures: _____

Assessment scores: _____

Qualitative comments: _____

Worksheet 1b Environment: Local Air Quality - Plan Level Summary Table

PM₁₀, SUMMARY OF ROUTES:	0-50m	50-100m	100-150m	150-200m	0-200m
THE AGGREGATED TABLE	(i)	(ii)	(iii)	(iv)	(v=i+ii+iii+iv)
Total properties across all routes (min)	0	0	0	0	0
Total properties across all routes (some)	0	0	0	0	0
<i>Do-minimum</i> PM ₁₀ assessment across all routes	0	0	0	0	Total assessment PM ₁₀ (I): 0
<i>Do-something</i> PM ₁₀ assessment across all routes	0	0	0	0	Total assessment PM ₁₀ (II): 0
NET TOTAL ASSESSMENT FOR PM₁₀, all routes (II-I)					0
<i>Number of properties with an improvement</i>					0
<i>Number of properties with no change</i>					0
<i>Number of properties with a deterioration</i>					0

Reference Sources: _____

Quantitative measures: _____

Assessment scores: _____

Qualitative comments: _____

Calculation Sheet A for Worksheet 2 Local Air Quality - Strategy Level - NO₂

Option Name: _____ Present Year: _____ Future Year: _____ -											
Emissions exposure estimate (NO _x) ^(a)											
Zone	Data for Each Zone		Do-minimum - present		Do-minimum – future		Option		With Option minus present Do-minimum	With Option minus future Do -minimum	
	People	km ²	T/yr	Index	T/yr	Index	T/yr	Index			
	A	B	C	D=(CA)/B	E	F=(EA)/B	G	H=(GA)/B	J=(H-D)	K=(H-F)	
1											
2											
...n											
Total /mean	Total A	Total B	Total C	Total D	Total E	Total F	Total G	Total H	Total J	Total K	

(a) The number of people must be for the same geographical area as the area for which the emission rates are calculated, usually the total population for each zone and the total tonnage for the zone will be used and then both will be divided by the area of the zone in km².

Calculation Sheet B for Worksheet 2 Local Air Quality - Strategy Level - PM₁₀

Option Name: _____ Present Year: _____ Future Year: _____ -											
Emissions exposure estimate (PM ₁₀) ^(a)											
Zone	Data for Each Zone		Do-minimum - present		Do-minimum – future		Option		With Option minus present Do-minimum	With Option minus future Do -minimum	
	People	km ²	T/yr	Index	T/yr	Index	T/yr	Index			
	A	B	C	D=(CA)/B	E	F=(EA)/B	G	H=(GA)/B	J=(H-D)	K=(H-F)	
1											
2											
...n											
Total /mean	Total A	Total B	Total C	Total D	Total E	Total F	Total G	Total H	Total J	Total K	

(a) The number of people must be for the same geographical area as the area for which the emission rates are calculated, usually the total population for each zone and the total tonnage for the zone will be used and then both will be divided by the area of the zone in km².

Worksheet 2 Environment: Local Air Quality - Strategy Level

Number of zones...	With Option Compared to Present Do-Minimum		With Option Compared to Future Do-Minimum	
	NO ₂	PM ₁₀	NO ₂	PM ₁₀
...with positive % "losers"	No. of positive values in Col J Calc Sheet A	No. of positive values in Col J Calc Sheet B	No. of positive values in Col K Calc Sheet A	No. of positive values in Col K Calc Sheet B
...with negative % "winners"	No. of negative values in Col J Calc Sheet A	No. of negative values in Col J Calc Sheet B	No. of negative values in Col K Calc Sheet A	No. of negative values in Col K Calc Sheet B
... with no-change	No. of zeros in Col J Calc Sheet A	No. of zeros in Col J Calc Sheet B	No. of zeros in Col K Calc Sheet A	No. of zeros in Col K Calc Sheet B
Emissions estimate	Total J in Calc Sheet A	Total J in Calc Sheet B	Total K in Calc Sheet A	Total K in Calc Sheet B
NB The Air Quality Index is the total of the numerical values of the Emissions estimate in the Calculation Sheets (A and B) and is not the total of the number of zones in the <i>winner</i> , <i>loser</i> and <i>no-change</i> categories.				