

Key:			
Potential for significant effects:			
Score	Positive	Negative	Description of effect
High	●	✘	Potential to cause major changes in air quality or lead to the appearance of major sources of pollution/ nuisance affecting receptors. Activities/ sectors as significant sources of a particular effect will be included under this category.
Low	●	x	Unlikely to cause a major change in air quality or lead to the appearance of major sources of pollution or nuisance by itself but could have a minor effect or add marginally to a sum of other causes (generally relevant when assessing cumulative effects) or have a very localised effect.
Uncertain	?		Potential for significant effects is uncertain.
No significant effect	(Blank cell)		Is unlikely to lead to any significant changes in air quality, pollution or nuisance.

### Potential effects on air of Plans from different sectors

Sector	Examples of typical sources of potential effects (i.e. the activities that a Plan within a particular sector may include)	SEA Sub-topic									
		Air Quality					Air Pollution			Nuisance	
		Particulate matter (PM <sub>10</sub> and PM <sub>2.5</sub> )*	Oxides of nitrogen*	Sulphur dioxide*	Ground-level ozone*	Volatile organic compounds	Other pollutants?	Point Source	Linear Source	Area Source	Nuisance carried by air (e.g. dust, fine particulates, odour)
Industry	Manufacturing industry -inc. heavy & chemical	✘	✘	x	✘	✘	✘ <sup>3,4</sup>	✘		x	
	Utilities industry inc. water provision & treatment							✘			✘
	Construction & demolition industry	✘	x		x	x		✘		✘	✘
	Mining & mineral extraction (inc. operation and restoration)	✘						✘			✘
	Construction, maintenance and demolition/decommissioning of industrial buildings & infrastructure	x						✘		x	✘
	Generation, disposal & storage of waste				✘	✘		✘			✘

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	Vehicle movements	x	x	x	x	x	x <sup>4</sup>	x			x
	Storage & transport of products	x	x	x	x	x	x <sup>4</sup>	x	x		x
Transport	Vehicle movements	<b>X</b>	<b>X</b>		<b>X</b>	<b>X</b>	x	<b>X</b>			<b>X</b>
	Development of new roads / road improvements (including construction)	●/ <b>X</b>	●/ <b>X</b>		●/ <b>X</b>	●/ <b>X</b>	●/x		<b>X</b>		●/ <b>X</b>
	Traffic management / demand management initiatives	●/ <b>X</b>	●/ <b>X</b>		●/x	●/x	●/x		<b>X</b>		●/ <b>X</b>
	Encouraging modal shift	●/ <b>X</b>	●/ <b>X</b>		●/x	●/x	●/x		<b>X</b>		●/ <b>X</b>
	New or improved public transport infrastructure	●/ <b>X</b>	●/ <b>X</b>		●/x	●/x	●/x			<b>X</b>	●/ <b>X</b>
	Infrastructure asset management	●/x	●/x		●/x	●/x	●/x			<b>X</b>	●/x
Town & Country Planning/ Land use	Construction (including maintenance and demolition) of new urban environments				x	x				<b>X</b>	<b>X</b>
	Operation/ management of existing built environment	●/ <b>X</b> <sup>5</sup>	●/ <b>X</b> <sup>5</sup>	●/ <b>X</b> <sup>5</sup>			●/ <b>X</b> <sup>4</sup>			●/ <b>X</b>	
	Vehicle movements	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b> <sup>4</sup>		<b>X</b>	<b>X</b>	<b>X</b>

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	Change in land cover/ land use	●/X	●/X	●/X	●/X	●/X		●/X	●/X	●/X	●/X
Agriculture	Livestock						X <sup>2</sup>			X	X
	Crops (inc. use of pesticides & fertilisers)	X			?	x <sup>1</sup>	X <sup>2</sup>			X	X
	Construction & operation of agricultural buildings & roads	x						x	x		x
	Generation, disposal & storage of waste	x								x	x
	Vehicle movements	x	x	x	x	x	x <sup>4</sup>			x	x
	Processing, storage & transport of products	x						x		x	x

### Notes:

The content of this table is indicative and not exhaustive.

Some scores in this table are mixed (positive/negative) because the source does not imply whether it is an increase or decrease or positive/negative change.

1 - Formaldehyde & hexaldehyde, 2 – Ammonia , 3 - Carbon monoxide, heavy metals & benzene , 4 – PAHs, 5 – Heating