

Approaches to collation of environmental baseline information for air

SEA Sub-topic	Description of current state of the environment	Key Trends (past and likely future)	Key Targets, limits & thresholds	Sources of key information	Key information gaps
<p>Notes on approach:</p> <p>NB: Ensure the scale and level of detail is appropriate to the scale, type and level of detail of the Plan and the potential for significant effects.</p>	<ul style="list-style-type: none"> Identify Air Quality Management Areas which could potentially be affected by the Plan. Identify sensitive receptors (e.g. vulnerable groups, ecological designated areas, nitrate vulnerable zones) which could be affected by the Plan. Average climatic conditions for the Plan area (e.g. prevailing wind direction, average days sunshine, etc.) <p>Note whether any information is unavailable or not available at appropriate scales for the Plan.</p>	<p>Identify past and any likely future trends for the current state of the environment using appropriate timescales (e.g. last 5-10 year and next 10 – 15 years).</p> <p>Identify changes in sensitive receptors.</p> <p>Note whether there are any information gaps.</p>	<p>Include any current and likely future targets, limits or thresholds.</p> <p>Consider emerging policy for future changes to targets, etc.</p> <p>Note whether any information on targets/ limits/ thresholds for the area covered by the Plan is unavailable.</p>	<p>For all;</p> <ul style="list-style-type: none"> National environmental agencies (i.e. Defra, SEPA, NIEA, Environment Agency, EPA) The Northern Ireland Department for Regional Development Northern Ireland (DRDNI) Local Authorities UK Air Pollution Information System (APIS) Academic institutions, professional organisations and associations Thresholds: UK Air Quality Strategy and UK Air Quality Archive Meteorological Office 	<p>Note whether any information is unavailable or not available at appropriate scales for the Plan. (e.g. insufficient monitoring sites, no information or trends available)</p>
<p>Nuisance</p> <p>E.g. Dust, odour</p>	<ul style="list-style-type: none"> Describe types of nuisance and key areas affected Include information on complaints regarding nuisance Identify key sensitive areas and vulnerable groups 	As in notes above	As in notes above	As in notes above	As in notes above

Approaches to collation of environmental baseline information for air

SEA Sub-topic	Description of current state of the environment	Key Trends (past and likely future)	Key Targets, limits & thresholds	Sources of key information	Key information gaps	
Air Quality	E.g. Particulate Matter	<p>The following types of information may be useful:</p> <ul style="list-style-type: none"> Annual mean concentrations of PM₁₀ and PM_{2.5} in the Plan area (including area of influence). Air Quality Management Areas in the Plan area (including area of influence). If relevant to the Plan, consider identifying likely sources of particulate matter. Average climatic conditions for the Plan area 	<ul style="list-style-type: none"> Trends data on concentrations of particulate matter Trends data on existing sources of particulate matter Any new Air Quality Management Areas to be declared in the Plan area 	<ul style="list-style-type: none"> Concentration target, limits or thresholds for PM₁₀ and PM_{2.5} in the Plan area including how it is to be measured (e.g. annual mean) and when it is to be achieved by, 	<p>As in notes above and;</p> <ul style="list-style-type: none"> Concentration levels: State of the Environment Reports National Air Quality Reports. Local Air Quality Management reports UK Air Quality Archive Air quality in Northern Ireland website Air quality in Scotland website Regional Met Office 	As in notes above
Air Pollution	Point source pollution	<p>The following types of information may be useful:</p> <ul style="list-style-type: none"> Key point source discharges (e.g. from industry) Total source emissions of different pollutants Levels of non-compliance with regulations of permitted discharges Key vulnerable groups or sensitive areas Transboundary pollution 	Changes in predominant emissions/pollutants from point sources	As in notes above	<p>As in notes above and;</p> <ul style="list-style-type: none"> National Atmospheric Emissions Inventory Local Air Quality Management reports Scottish Pollutant Release Inventory 	As in notes above

Approaches to collation of environmental baseline information for air

SEA Sub-topic	Description of current state of the environment	Key Trends (past and likely future)	Key Targets, limits & thresholds	Sources of key information	Key information gaps
Air Pollution	<p>It may be appropriate to compile information on area/linear sources from local/regional areas. This may include:</p> <ul style="list-style-type: none"> • Total emissions from area/linear sources (e.g. airports/bus stations) • Levels of emissions of different pollutants • Percentage of private car ownership within Plan area • Traffic flow/ congestion rates on roads • Emissions from transport nodes e.g. airports/ bus-stations • Domestic fuel use e.g. emissions of SO₂ from coal use • Point source discharges within Plan area (e.g. from industry) • Key vulnerable groups or sensitive areas • Transboundary pollution 	Changes in predominant emissions/pollutants from linear/area sources	As in notes above	<p>As in notes above</p> <ul style="list-style-type: none"> • Local Air Quality Management reports • National Atmospheric Emissions Inventory 	As in notes above