

## ANNEX C - AIR QUALITY MANAGEMENT AREAS

This annex contains information on the eight Air Quality Management Areas that have been declared in Hertfordshire in the districts of Hertsmere, St Albans and Watford, and details on the Highways Agency managed AQMAs.

### A5183, High Street, Elstree Hertsmere Borough Council

AQMA declared December 2004.

Further information around this AQMA and its precise location can be found in the relevant local authority report on the Herts Beds Air website ([www.hertsbedsair.org.uk](http://www.hertsbedsair.org.uk)).

#### Main Transport related issues:

- Queue length at traffic signals.
- Number of HGV's.

#### Draft Action Plan:

Transport Issue	Potential Solution	Timescale
Queue Length at Traffic Signals	Development of the Elstree/Borehamwood Transport Plan has identified this junction as a congestion problem. Opportunity to carry out scheme feasibility.	Draft Transport Plan April 2006.
Number of HGV's	As above, but need to undertake traffic flow surveys to identify the proportion of HGV's using this route.	Short/medium term

### High Street, Potters Bar Hertsmere Borough Council

AQMA declared December 2004.

Further information around this AQMA and its precise location can be found in the relevant local authority report on the Herts Beds Air website ([www.hertsbedsair.org.uk](http://www.hertsbedsair.org.uk)).

#### Main Transport related issues:

- Bus Garage with high number of movements.

#### Draft Action Plan:

Transport Issue	Potential Solution	Timescale
Buses with high emission engines.	New bus fleet to have Euro 4 engines. Establish a baseline for the numbers of Euro II standard buses that run on local routes.	Medium/long term Short/medium term

## Pea Hen, St Albans

### St Albans City and District Council

AQMA declared December 2004.

Further information around this AQMA and its precise location can be found in the relevant local authority report on the Herts Beds Air website ([www.hertsbedsair.org.uk](http://www.hertsbedsair.org.uk)).

#### Main Transport related issues:

- Queuing traffic at Pea Hen junction.
- Inappropriate routing of HGV's.
- Unnecessary through traffic.

#### Draft Action Plan:

Transport Issue	Potential Solution	Timescale
Queuing Traffic	Development of a cycle route.	Medium/long term
HGV use	St Albans Area Wide Signing.	Short/medium term
Unnecessary through traffic	St Albans Area Wide Signing.	Short/medium term

## St Albans Road

### Watford Borough Council

Declared February 2006

Further information around this AQMA and its precise location can be found in the relevant local authority report on the Herts Beds Air website ([www.hertsbedsair.org.uk](http://www.hertsbedsair.org.uk)).

#### Main Transport related issues:

- Traffic volumes and fast moving traffic.
- Number of HGV's.
- High numbers of buses using St Albans Road.

#### Draft Action Plan:

Transport Issue	Potential Solution	Timescale
Traffic volumes	Possible re-routing of traffic.	Medium/long term
Number of HGV's	Watford-wide signing scheme for HGV's.	Short/medium term
Numbers of buses	Continue discussions with bus operators i.e. attend bus operator meetings.	Ongoing

**Farraline Road****Watford Borough Council**

Declared February 2006

Further information around this AQMA and its precise location can be found in the relevant local authority report on the Herts Beds Air website ([www.hertsbedsair.org.uk](http://www.hertsbedsair.org.uk)).

**Main Transport related issues:**

- Queue length at traffic signals.

**Draft Action Plan:**

Transport Issue	Potential Solution	Timescale
Queue Length at Traffic Signals	The gyratory system is due to be assessed and is on the Council's Forward Works Programme.  Investigate Before & After reports on the traffic lights in this area.	Short/medium term

**Pinner Road/Chalk Hill****Watford Borough Council**

Declared February 2006

Further information around this AQMA and its precise location can be found in the relevant local authority report on the Herts Beds Air website ([www.hertsbedsair.org.uk](http://www.hertsbedsair.org.uk)).

**Main Transport related issues:**

- Bottleneck problems at Bushey Arches.
- Volume of traffic.
- Junction issues.

**Draft Action Plan:**

Transport Issue	Potential Solution	Timescale
Bottlenecks at Bushey Arches	The Bushey Arches/Lower High Street study highlighted the need to dual the road in this area.	Short/medium term
Volume of traffic / Junction Issues	Traffic flow data is currently available. The South West Herts Transport Study previously involved traffic flow modelling. This is due for review and would be driven by the ring road dualling. This would also involve junction simulations.	Short/medium term

## Horseshoe Lane/A405 Junction

### Watford Borough Council

Declared February 2006

Further information around this AQMA and its precise location can be found in the relevant local authority report on the Herts Beds Air website ([www.hertsbedsair.org.uk](http://www.hertsbedsair.org.uk)).

#### Main Transport related issues:

- Queue lengths due to stationary traffic at junction.

#### Draft Action Plan:

Transport Issue	Potential Solution	Timescale
Queue Lengths	<p>Some air quality modelling was carried out in 2004, a further assessment may show different results.</p> <p>Investigate outcome on air quality of scheme carried out on this junction to adjust pedestrian phases at lights (before and after data).</p> <p>Investigate whether local schools have school travel plans, and if any safer routes to school schemes have been done in this area or are planned.</p>	Short/medium term

## Highways Agency Managed Air Quality Management Areas

### Broxbourne Borough Council

In November 2001 Broxbourne Borough Council declared an AQMA in a residential area close to the M25 in Waltham Cross. The pollutants that were going to exceed government targets were Nitrogen Dioxide and particulates.

Broxbourne have since done a detailed study confirming the source of pollution to be the traffic on the M25, in particular from HGVs. This study also recommended enlarging the AQMA. The County Council were consulted on the development of an action plan which includes direct options and wider measures.

Broxbourne Council have consulted with the Highways Agency route manager for that section of the M25. The borough council will continue to liaise with the Highways Agency to ensure that air quality is considered in any M25 projects.

It is unlikely that any county or district measures will improve air quality in this area, and further action is needed at a national level, however measures will continue to be implemented to improve general air quality.

### Hertsmere Borough Council

Hertsmere Borough Council have 4 motorway related AQMAs within their boundaries, where Nitrogen Dioxide levels are exceeding government targets. Source apportionment showed that the exceedences are due to road traffic.

The 4 locations are:

- A residential area in Potters Bar close to the M25 junction 24;
- A domestic property at South Mimms, Potters Bar close to M25 junction 24;
- A residential area in South Mimms close to M25 junction 23;
- A residential area in Aldenham close to M1 junction 5.

The Borough council have consulted with the Highways Agency and the County Council have been included in any consultations.

### St Albans City & District Council

St Albans City & District Council has just completed a second round of review and assessments, and all standards have been met except for Nitrogen Dioxide. Seven AQMAs were declared after the round one review and assessment process but six have now been revoked as they now meet government targets. The one site that still is not meeting Nitrogen Dioxide standards is a residential area close to the M25 near Frogmore. Stage 4 assessments have identified the main source of pollutants to be road traffic.

The district council have consulted both the Highways Agency and County Council around the action plan, and will encourage and support the Highways Agency in taking actions to reduce pollutants from the M25.

### Three Rivers District Council

Three Rivers District Council have 5 AQMAs declared for Nitrogen Dioxide and particulates. Details of the locations are given below:

- Chorleywood - along the M25 just south of junction 18 to the north of where the motorway crosses the River Chess (74m either side of the centreline). Pollutants exceeding are: Nitrogen Dioxide and particulates.
- Chorleywood - just north of junction 18 along the M25, north of where the motorway crosses the River Chess (38m either side of the centreline). Pollutant exceeding is: particulates.
- Chandlers Cross - an area along the M25 just west of where Chandlers Lane crosses the M25 to the beginning of junction 19 (74m either side of the centreline). Pollutant exceeding is: Nitrogen Dioxide.
- Chandlers Cross - an area along the M25 just west of where Chandlers Lane crosses the M25 to the beginning of junction 19 (38m either side of the centreline). Pollutant exceeding is: particulates.
- Kings Langley - an area surrounding where the M25 crosses the railway (74m either side of the centreline). Pollutant exceeding is: Nitrogen Dioxide.

### Watford Borough Council

Watford Borough Council has one AQMA declared for Nitrogen Dioxide affecting residential properties close to the M1. The locations include properties in:

- 1 property on Ravenscroft closest to M1
- 6 residential properties on the Gossamers closest to M1
- 3 residential properties on Eastlea Avenue closest to M1