

# AIR QUALITY

## Air Quality Action Plan Progress Report 2006



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## 1. Introduction

This progress report provides information on progress with the implementation of the measures contained within the Air Quality Action Plan.

## 2 Purpose of the Action Plan Progress Report

At present, this local authority is in the process of implementing the actions designated within the action plan to achieve air quality improvements within the borough. This Progress Report provides information on the progress towards the completion of these actions.

## 3. Implementation of actions in Air Quality Action Plan

A description of the actions to implement the plan, together with progress on the measures within the plan, is set out in Appendix 1. The wide variety of measures within the plan depends on implementation by a number of Council divisions.

Some of the measures undertaken as part of the action plan are as follows:

**Vehicle emissions testing** The London-wide roadside emissions testing programme is no longer operating. However, Officers from the Environmental Services Division arranged for the free checks to be carried out on petrol engine vehicles, during June 2005. Specialist contractors carried out the checks, which are similar to the MOT emissions tests, in the car parks of Asda at Clapham Junction, SW11 and Sainsbury's in Wandsworth SW18. The aim of this testing is to improve air quality in the Borough through raising awareness of air pollution issues, and the importance of the maintenance of vehicles throughout the year, not just at the time of the annual MOT test.

Throughout a two-day period, the exhaust fumes of a number of cars were tested. The checks were entirely voluntary and if a car was producing excessive pollution, the driver was notified and advised to have the car serviced. Overall, only 4% of the 67 vehicles tested failed to meet the emission standards. In addition, testing of vehicles within the Council's own fleet was carried out to ensure that they were not causing unnecessary pollution. A total of Council 38 vehicles were tested, and all passed.

**Low Emissions Zone** The Council continues to support detailed consultation on the proposals for an LEZ, although does have concerns over how it will be implemented. The Mayor of London has instructed Transport for London (TfL) to implement the LEZ. A response has been sent to TfL as part of the consultation process. It is proposed that the LEZ should be implemented through a scheme order, similar to the congestion charge, and a fee charged to enter the zone for vehicles that do not meet a specified standard. The fee would be sufficiently large to deter people from paying rather than upgrading their vehicles to meet the emissions standard. The scheme would operate all the time (24/7) throughout the GLA area, and apply to HGVs, buses, and coaches, and possibly include LGVs from 2010. The earliest implementation

date would be early 2008. The proposed standards for heavy diesel-engined vehicles that could be used within the LEZ without payment of a charge are:

- a. 2008: EURO III for PM10 (particulates), and
- b. 2010: EURO IV for PM10 (particulates) or, if Nitrogen Oxides (Nox) certification capability is available, EURO IV for PM10 and NOx

Consultation with various stake-holders has been undertaken.

**Walk to School Week** In 2005, officers from the Environmental Services Division, in conjunction with the School Travel Plan Co-ordinator, undertook an air quality awareness raising initiative in local schools. Schools taking part in Walk to School Week in October 2005 were invited to participate in a competition and 18 schools took part. Every child recorded how they traveled to and from school during the week, and received a 'fresh air point' if they did not travel by car. The winning class in each school chose a tree or shrub to be planted in the school grounds. Air quality teaching packs were distributed to each of these schools.

**South London Freight Quality Partnership** The partnership consists of specialist officers from the six borough councils of Wandsworth, Merton, Sutton, Croydon, Bromley and Lewisham working together with the aim of improving air quality, safety, reducing noise and increasing operational efficiency of the freight transport industry in the area. Croydon Council achieved funding for this project on behalf of all the councils through a Borough Spending Plan bid. This has supported the appointment of consultants to carry out the initial stages of the work and to produce a project plan. Two meetings of this group have now taken place and work on various initiatives is being carried out, such as a borough fleet survey, night-time delivery trials and the possibility of setting up a consolidation centre.

**Local Authority Pollution Control** New permits for industrial installations, incorporating upgrading requirements specified in statutory guidance, have and are being produced, such as those for Crematoria, vehicle re-sprayers and petrol stations. This will result in improvements in air quality within the borough.

## **6. Conclusions**

Wandsworth Council is in the process of implementing the actions designated within the action plan to achieve air quality improvements within the borough. Progress has been made in implementing the various measures within the air quality action plan, a number of actions have been completed and more are planned. There are 32 actions within the action plan. The vast majority of these actions are not time limited and by their nature are continuous actions. Progress with these actions is reviewed annually. Good progress has been made on implementing all of them. In addition, 3 actions have definite end points and these have all been completed.

It is felt that the additional initiatives carried out this year have further developed interest and awareness in air quality. More still needs to be done to improve air quality within the borough and work towards the achievement of statutory air quality objectives, but progress is being made in reaching this goal.

# Appendices

**Appendix 1**

**AIR QUALITY ACTION PLAN  
PROGRESS ON IMPLEMENTING MEASURES  
2005**



**AIR QUALITY ACTION PLAN UPDATE 2005**

<b>1. MEASURES AIMED AT REDUCING THE USE OF CARS</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
1.1 Continue to implement and review the Council Services Transport Plan (CSTP) promoting alternative modes of transport to the car, for both journeys to work and business related journeys. (existing)	Transport Planning, Technical Services Department (DTS)	Re-launched in summer of 2003 with new staff information booklet and regular newsletter. Bicycle Users Group (BUG) also re-launched with free reflective equipment for cyclists.	Completed. To be reviewed annually.	<p>CSTP newsletter distributed to all staff summer 2005, including on departmental intranets.</p> <p>The Bicycle Users Group has met three times and was instrumental in organising a Bikers' Breakfast at the Town Hall during Bike Week (June 2005).</p> <p>CSTP staff information booklet is given out during induction of new staff. Copy also available on Corporate Intranet.</p> <p>Pilot DTS pool bike scheme under development.</p>
1.2 Encourage and provide support to other major employers in the Borough to develop their own Transport Plans. (existing)	Transport Planning, DTS	Travel Plans are requested for appropriate sites through the development control process. Voluntary travel plans encouraged through dissemination of information etc, (e.g. St George's Hospital).	Ongoing. Implementation of Travel Plans.  Number of employer Travel Plans developed.	<p>Completed - Travel plan guides developed for Springfield Hospital, SW (Wandsworth Common) St George's Hospital, SW17 (Tooting) and Roehampton University, SW15 (Roehampton).</p> <p>At least 20 travel plans requested or developed in the Borough in total by December 2005.</p> <p>New travel plan framework agreed by the Executive in November 2005 (guidance when travel plans are requested through development control).</p>

<b>1. MEASURES AIMED AT REDUCING THE USE OF CARS (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
1.2 (cont.) Encourage and provide support to other major employers in the Borough to develop their own Transport Plans. (existing)				<p>Installation of new travel plan monitoring software scheduled by end 2005.</p> <p>Regular liaison with St George's Hospital through officer membership of "Transport for George's" working group.</p>
1.3 Provide public transport information on the Council website. (existing)	Transport Planning, DTS	Travel planner available on Council website allowing routes to be planned by train and Underground	<p>Travel planner implemented, further improvements ongoing.</p> <p>Number of website visits to the travel planner</p>	<p>Completed. No further improvements planned.</p> <p>The travel planner is promoted as part of the Good Going travel awareness campaign.</p> <p>Number of website visits to travel planner is monitored by website manager. Annual visits to the site are around 23,000 (for year ending October 2005), generating 138,400 page views. Each visit generates on average a total of six page views in results and extra searches. These figures are for public users only and exclude visits by Council staff.</p>



<b>1. MEASURES AIMED AT REDUCING THE USE OF CARS (cont)</b>				
<b>CTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
1.5 On-street parking controls to reduce the number of people driving to stations in this Borough to continue their journey by rail into central London. (existing)	Engineering Services, DTS	Controlled parking zones in operation throughout more than 70% of the Borough. Generally the areas outside this network are those furthest away from stations. Continual consultation and evaluation.	Reviewed annually.	Reviewed, no change.
1.6 Continue the School Travel Strategy – working with schools to implement packages of measures (existing)	Transport Planning, DTS	3 clusters of schools invited to join each year. Participating schools carry out surveys to identify travel habits and to inform proposals for improvement	Ongoing programme. Number of surveys carried out, development of school policy, facilities provided within schools, incorporation of school travel into the curriculum, number of 'walking buses'	<p>In March 2005, 11 schools developed travel plans that met the DfES/DfT criteria. In 2005/2006 the Council aims to have a further 15 school travel plans signed off by March 2006. Schools are making good progress towards this deadline.</p> <p>School travel plans will include travel surveys to determine actual travel modes and preferred travel mode. Travel plans form part of the school policy and will address school travel through the curriculum.</p> <p>24 schools are now signed up for the Walk on Wednesday campaign.</p> <p>3 schools run informal walking bus.</p>

<b>1. MEASURES AIMED AT REDUCING THE USE OF CARS (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
<p>1.7 Promote the use of public transport. (existing)</p> <p>The Council will continue to work with public transport undertakers to facilitate improvements to both the quantity and quality of public transport. This will include working with TfL London Buses, the bus operators, the bus companies and railway operators through sub-regional partnerships such as SWELTRAC</p>	<p>Transport Planning, DTS</p>	<p>Work with TfL and the bus operators to identify and promote additional or enhanced bus services and implement further bus measures through membership of the London Bus Initiative Partnership.</p> <p>This will include:</p> <ul style="list-style-type: none"> <li>• additional or enhanced bus priority;</li> <li>• improved facilities at bus stops including timetables, Countdown, etc;</li> <li>• improved buses; and</li> <li>• enforcement of bus lanes using both CCTV and bus cameras.</li> </ul>	<p>Ongoing. Passenger numbers on bus services in the Borough.</p>	<p>The Council is continuing to lobby for the relief of overcrowding on local trains through engagement with the Department for Transport on the re-franchising of South West Trains and review of Waterloo International for 2007 when Eurostar services are diverted to Kings Cross/St Pancras. It participated in the Strategic Rail Authority's Route Utilisation Strategy (RUS) for the Brighton Main Line, and is currently participating in Network Rail's RUS for the South West Main Line and Cross London Routes. It is also lobbying for improved capacity on the West London Line, and participating in proposals to re-franchise Silverlink Trains.</p> <p>The Council has also pressed South West Trains to justify and monitor its new policies on restricting cycles on peak time trains to ensure that: (a) restrictions are in place only when necessary; and (b) to assess the viability of providing additional cycle parking or other alternatives for cyclists.</p> <p>The Council has produced a 10 Point Plan "Connecting Clapham Junction", (Paper No. 05-682). The Council initiated a proposal for a new station entrance through Brighton Yard to relieve congestion at the main St John's Hill, SW11 (Northcote) entrance, and a feasibility study shows a strong business case.</p>

<b>1. MEASURES AIMED AT REDUCING THE USE OF CARS (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
1.7 (cont.) Promote the use of public transport. (existing)				<p>This needs to be progressed as part of proposals to make the station more accessible for those with mobility difficulties, including the provision of lifts to all platforms.</p> <p>Work is ongoing as part of the London Bus Priority Network (LBPN), the London Bus Initiative (LBI) and local bus priority initiatives. Implementation of LBI 1 proposals are substantially complete. LBI 2 routes progressing towards implementation, including flagship Route 333. Works to improve accessibility at and to bus stops at various locations is under way. The Council is also extending the Green Man bus stand in Putney Heath, SW15 (Roehampton) to accommodate an additional bus route.</p> <p>The Council is working with partners to secure extensions to the national rail network and light rail schemes to serve the Borough and Clapham Junction in particular. It is lobbying for (a) an extension of the East London Line (ELL) to Clapham Junction, SW11 (Northcote), (b) the revival of Crossrail 2 (formerly known as the 'Chelsea-Hackney Line'), and (c) the creation of a direct rail service to Heathrow via Staines ('Airtrack').</p>

<b>2. MEASURES AIMED AT REDUCING EMISSIONS FROM VEHICLES</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
2.1 With other London Borough Councils, implement a London-wide low emission zone (LEZ). (existing)	Environmental Services, DTS	Feasibility study completed and reported in Paper No. 03-826. The Council supports detailed consultation on the proposals and has deferred a decision on whether to support the principle of a low emission zone until such consultation is complete.	Earliest implementation of LEZ late 2006	The Council continues to support detailed consultation on the proposals. The Mayor of London has instructed Transport for London (TfL) to implement the Low Emission Zone (LEZ). TfL consultants (Deloitte) propose that the LEZ be implemented via a scheme order, similar to the congestion charge, a fee will be charged for non-compliant vehicles entering the zone. The fee would be sufficiently large to deter people from paying the fee, rather than upgrading their vehicles to meet the emissions standard. The scheme would operate 24/7, cover the Greater London area, and apply to HGVs, buses, and coaches and, possibly LGVs from 2010. The earliest implementation date would be early 2008. The proposed standards for heavy diesel-engined vehicles which could be used within the LEZ without payment of a charge are: (a) 2008: EURO III for PM10 (particulates); (b) 2010: EURO IV for PM10 (particulates), or if NOx certification capability is available, EURO IV for PM10 and NOx Consultation with various stake holders is scheduled to be completed by Spring 2006.

<b>2. MEASURES AIMED AT REDUCING EMISSIONS FROM VEHICLES (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
2.2 Continue to pursue Council fleet 'greening' strategy. (existing)	Fleet Management, DTS	<p>Maintain and monitor the register of fleet vehicles including emissions information.</p> <p>Continue acquisition and replacement programme for Council vehicles to maximise use of 'green' fuels.</p> <p>Continue driver education and training to discourage drivers from revving/idling engines.</p> <p>All waste and recycling contract vehicles to comply with minimum of Euro 3 standard.</p>	<p>Ongoing Fleet vehicle register updated and monitored regularly.</p> <p>% vehicles using green fuels</p> <p>% drivers trained</p> <p>Completed</p>	<p>The current data base is being updated to enable more accessible information on the make up of the Council's vehicle fleet</p> <p>15%</p> <p>99 %</p> <p>All contract vehicles comply with the Euro 3 standard.</p>
2.3 Lobby Government to bring about improvements in fuel composition, e.g. further reduction of sulphur level in fuel to 10mg/l from 50mg/l. (new)	Environmental Services, DTS	To support proposals in Mayor's Air Quality Strategy encouraging the Government to provide incentives for cleaner fuels and follow up with representation to Government from Wandsworth Council.	March 2004 Representation sent	Completed. On 1st September 2004, the Government introduced a new rate of duty for sulphur-free petrol and diesel, set at 0.5 pence per litre relative to the rate for ultra-low sulphur fuels. This will encourage the early introduction and take up of these fuels.



<b>2. MEASURES AIMED AT REDUCING EMISSIONS FROM VEHICLES (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
2.4 Continue to support the Vehicle Emission Testing Group. (existing)	Environmental Services, DTS	Continue to participate in the London-wide programme of vehicle emission testing in 2003/4. Consider further action when evaluation of the 2003/4 programme completed.	Ongoing to March 2004  Evaluation reported to committees	Completed. The London-wide emissions testing programme has been completed and the testing programme evaluated.  Individual formal testing by the Council would be prohibitively expensive but funding to carry out voluntary testing was approved through the Borough Spending Plan (BSP) for 2005/06.  In 2005, the exhaust fumes of 38 Council owned vehicles, ranging from small vans to transits and minibuses, were tested.  Free emissions checks were also carried out on 67 vehicles owned by members of the public, who attended two testing sessions at the Asda car park in Clapham Junction, SW11 (Shaftesbury) and the Sainsbury's car park in Garratt Lane, SW18 (Fairfield).  Further BSP bids for 2006/07 have been submitted for air quality/traffic monitoring at Wandsworth High Street, voluntary vehicle emissions testing and a project with schools to raise awareness of vehicle emissions.

<b>2. MEASURES AIMED AT REDUCING EMISSIONS FROM VEHICLES (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
<p>2.5 Investigate the use of water-diesel emulsion instead of conventional diesel for the Council's vehicles (existing)</p> <p>Investigate the use of cleaner fuel options for the Council's vehicle fleet. (new)</p>	Fleet Management, DTS	<p>Awaiting sample requested from manufacturer for trial in Council vehicles.</p> <p>Investigate the potential of biodiesel and compressed natural gas (CNG) fuels.</p>	Number of vehicles successfully using water-diesel emulsion	<p>The water-diesel emulsion option is no longer being progressed by Fleet Management, DTS, as cost/benefit analysis indicates it is not a viable option.</p> <p>Alternative cleaner fuel options are under consideration. For example, a non-metallic diesel fuel additive called 'Chemecol' is currently under consideration. This additive would be added to the diesel tanks on site. Trials in other London boroughs demonstrate reduced emissions of particulate and gaseous emissions.</p>
2.7 Promote and encourage the development of a 'green fuelling' infrastructure within the Borough. (existing)	Environmental Services, DTS	<p>Review the potential for the installation of cleaner fuel refuelling sites, including natural gas, and the provision of electric vehicle charging points throughout the Borough.</p> <p>Publicise cleaner fuel refuelling sites within the Borough.</p>	<p>Ongoing.</p> <p>Number of cleaner fuel refuelling sites</p> <p>March 2004 on Council website</p>	<p>Ongoing.</p> <p>There is a compressed natural gas (CNG) refuelling site and 4 liquefied petroleum gas (LPG) refuelling sites within the Borough. The locations of these are provided on the Council website. Electric cars are proposed to be made available on a number of new sustainable developments within the borough, via car clubs, such as the development at Gargoyle Wharf, SW11 (St Mary's Park).</p> <p>Information on cleaner fuels and cleaner fuels refuelling sites within the borough are included on the Council's website.</p>

<b>3. DEVELOPMENT CONTROL</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
3.1 The Council's revised Unitary Development Plan includes policies to promote a sustainable relationship between development and transport and includes maximum parking levels. Policies will be implemented largely through the consideration of planning applications. (existing)	Planning, DTS	The Council will support development proposals that contribute to a safe, accessible and integrated transport system, improve facilities that encourage greater use of public transport, cycling and walking, and enable bulk freight to be moved by water or rail rather than by road.	Revised Plan Adopted August 2003	<p>Being implemented as stated.</p> <p>For example, the development of Battersea Power Station site, SW8 (Queenstown), will include the reconstruction of Battersea Park Station, provision of shuttle bus services and the expected provision of a river bus service. In addition, the vast amount of soil required to be removed from the site will be taken away by barge, rather than by road, thus saving up to 400 vehicle movements per day.</p> <p>Parking at a number of residential and mixed-use developments has been permitted below the maximum standards in an attempt to reduce the use of the private car by residents. This is often permitted in association with exclusion of the development from the adjacent controlled parking zone.</p> <p>The Planning and Compulsory Purchase Act 2005, introduced a new development plan process which will replace the Unitary Development Plan over the next 3 / 5 years. The replacement Local Development Framework will be a portfolio of documents and it is a statutory requirement to produce a Sustainability Appraisal for these documents. A scoping report of the sustainability appraisal has been produced and passed to statutory consultees for comment.</p>

<b>3. DEVELOPMENT CONTROL (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
3.2 In dealing with planning applications, the Council will take into account a proposed development's likely effect on air quality, both in terms of any air pollution it may cause directly and in terms of traffic generation. (existing)	Planning, DTS	Implementation arises in response to the submission of planning applications.	Ongoing	Being implemented as stated.  The Council will require the submission of an environmental impact assessment for developments, which may give rise to air pollution. Where a development is likely to generate a significant level of traffic, a Transport Assessment is required. Mitigation measures may be required as planning conditions or as obligations within a Section 106 planning agreement.
3.3 UDP supplementary planning guidance on air quality. (new)	Planning, DTS	Consider the need to produce supplementary planning guidance.	June 2004	The requirement for supplementary planning guidance will be reviewed as part of the preparation of the Local Development Framework. Draft supplementary planning guidance on air quality has been produced, taking account of the most recent guidance from the National Society for Clean Air (NSCA). However, this draft will not be finalised until guidance from the Association of London Government (ALG) is completed. Officers from Wandsworth Council are contributing to the ALG project through membership and participation in the London working group on Air Pollution, Planning and the Environment (APPLE).

<b>4. ENFORCEMENT OF REGULATORY POWERS</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
4.1 Continue to enforce the Environmental Protection Act 1990 in relation to processes prescribed by Schedule 1 Part B of the Act, and the replacement provisions under the Pollution Prevention and Control Act 1999. (existing)	Environmental Services, DTS	Inspect all prescribed processes in accordance with DEFRA's guidance to ensure compliance with the conditions of the authorisation/permit, and act upon complaints and suspected or actual breaches of conditions in a timely manner. Monitor the Borough to ensure that all prescribed processes are authorised/permited and take action where such processes are not authorised/permited.	Ongoing Compliance with legal requirements	<p>Implementation as stated.</p> <p>Work continues to transfer existing authorisations of processes to permits for installations, as required under the 1999 Act. All current installations have now been issued with permits, apart from those holding authorisations for vapour recovery (petrol stations).</p> <p>Additional premises within the Borough, for example, dry cleaning businesses, are now included within this regime. The inclusion of dry cleaners in the scheme is as a result of the EU Solvent Directive being transposed into UK legislation.</p> <p>All dry cleaning businesses within the Borough have been sent a questionnaire to establish when and if they need to apply for a permit. Dry cleaners in operation before 1st April 2001 ('existing') do not need to have a permit, nor comply with the conditions of the appropriate Process Guidance Note 6/46(04) until 31st October 2007. However, new dry cleaners (i.e those put into operation after 1st April 2001) need to apply immediately and visits have been made to establish this information and advice and guidance has been provided where necessary.</p>

<b>4. ENFORCEMENT OF REGULATORY POWERS (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
4.2 Continue the thorough investigation and resolution of nuisance complaints that have an air pollution component, such as bonfires and dust from demolition and building works.	Environmental Services, DTS	Investigate and resolve complaints, where necessary, by the enforcement of Section 80 of the Environment Protection Act 1990. Give advice and distribute leaflets on request.	Ongoing Compliance with response targets	Being implemented as stated. Response target requires same day response for complaints of bonfires, dust and fumes - achieved in 98% of cases.
4.3 Develop a proactive response to demolition and construction work. (new)	Environmental Services, DTS	Develop an Environmental Construction Code of Practice that will contain advice to developers on how dust, particle emissions and other environmental impacts can be kept to a minimum.  Work with other Departments towards developing a Considerate Contractor Scheme to encourage best practice.	March 2005 Code produced  March 2005 Scheme developed	Completed. Construction Code of Practice produced and distributed to developers within the Borough. Copies have also been distributed to the Housing Department and Business Development team and further distribution ongoing. A draft 'London Code of Practice – Part 1: The Control of Dust from Construction' has been produced by the London working group on Air Pollution, Planning and the Environment (APPLE), and is likely to be published as a joint document by the Greater London Authority (GLA) and ALG.  Considerate Contractor Scheme under evaluation

<b>4. ENFORCEMENT OF REGULATORY POWERS (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
4.5 Promote a greater awareness that the whole Borough is covered by Smoke Control Orders, and that the use of some solid fuels is prohibited to prevent emission of dark smoke. (existing)	Environmental Services, DTS	Produce advice leaflet on smoke control for new and existing residents.  Enhance the information on the Council's website.	June 2004 Advice leaflet produced.  March 2004 Website updated	Completed Advice leaflet produced.  Information on smoke control added to the Council's website, including an electronic version of the advice leaflet available for downloading from the website.

<p>4.6 Consider how best to utilise the powers under the Road Transport (Vehicle Emissions) (Fixed Penalty) (England) Regulations 2002 to require drivers to switch off their engines when parked. (new)</p>	<p>Environmental Services, DTS</p>	<p>Investigate the most appropriate way to implement the regulations to control idling engines.</p> <p>Work with transport operators and companies to educate their drivers and ensure they are aware of the enforcement powers.</p>	<p>March 2004</p> <p>Ongoing</p>	<p>Adoption of the Regulations has been evaluated but currently is not considered to be a cost-effective action as no specific problem has been identified within the Borough. However, complaints of idling engines are still being responded to, and action taken to resolve the problem. A warning notice has been produced to hand to people who are unnecessarily leaving their engines idling to warn them of the existence of the regulations. If idling vehicles are found to be major problem within the Borough, further consideration will be given to the use of the regulations and fixed penalty notices for non-compliance.</p> <p>Ongoing. See also Action 7.3</p>
<p><b>5. ENERGY USE AND HEATING</b></p>				
<p><b>ACTION (EXISTING/NEW)</b></p>	<p><b>SECTION/ DEPARTMENT RESPONSIBLE</b></p>	<p><b>IMPLEMENTATION</b></p>	<p><b>TARGET DATE &amp; INDICATORS</b></p>	<p><b>PROGRESS DECEMBER 2005</b></p>



<p>5.1 The Council will reduce carbon dioxide emissions from Council premises by 10% below the 1990 level. (existing)</p> <p>Revised: The Council will reduce carbon dioxide emissions from Council premises by 20% below the 1990 level. (new)</p>	<p>Energy Management, DTS</p>	<p>Purchase energy for the Council from renewable sources.</p> <p>Introduce additional controls for air conditioning units in Council buildings.</p> <p>Introduce energy audits of heating controls in Social Services and Administration buildings.</p> <p>Reduce mains electricity usage by combined heat and power (CHP).</p>	<p>2010 % energy from renewable sources purchased by the Council % additional controls for air conditioning units in-Council buildings</p> <p>% reduction in mains electricity by using CHP</p>	<p>Renewable electricity is supplied to 50% of all Council premises.</p> <p>Completed. Additional controls installed for efficient energy management of all stand alone air conditioning units in main Council offices.</p> <p>All Social Services properties surveyed and provided with a commissioning certificate.</p> <p>Completed. The projects to install CHP at Putney Leisure Centre, SW15 (Thamesfield), Tooting Leisure Centre, SW17 (Tooting), Latchmere Leisure Centre, SW11 (Latchmere) and the Town Hall, SW18 (Fairfield) are completed and no further projects are planned. Carbon Trust-funded energy surveys to be undertaken at 6 large premises. A CHP feasibility study for the Doddington Estate, SW11 (Queenstown) from Battersea Power Station is being reviewed. Carbon Dioxide reductions of 18.1% were achieved at 31st March 2005.</p>
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<b>5. ENERGY USE AND HEATING (cont)</b>				
<b>CTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
5.2 The Council will encourage energy efficiency measures and insulation in domestic dwellings to reduce energy use, including use of standard assessment procedures (SAP), the Government's recommended method for home energy rating. (existing)	Environmental Services, DTS	Assistance for low income householders for energy efficient measures including Energysmart, Warmfront, advice and referral system for renewable energy sources. Support for Solar for London, and Sunrise.	2011 Home Energy Conservation Act target to improve energy efficiency of residential housing stock by 30% over 15-year period from 1996. Annual report to Government. Comparison of SAP from House Condition Surveys. SAP rating in public sector housing targeted at 60 by 2006.	Replacement of heating and domestic hot water boilers and controls to reduce energy usage being implemented in Council housing stock.  Annual report to Government submitted. There has been a 17.83% improvement in energy efficiency since monitoring began in 1996.  In 2004/05 grants totalling £70,000 have been given to private sector families on low incomes for energy efficiency improvements such as insulation and heating controls. SAP rating of 58 already achieved in public sector housing.
5.3 The Council will encourage energy efficient measures and energy efficient design in new buildings and redevelopment within the Borough. (existing)	Planning and Building Control DTS	UDP objectives can be encouraged through the development control process. Implementation and control relies on the Building regulations	Ongoing Report on inclusion of energy efficient design and measures in planning approvals and construction.	Ongoing process.  Part L of the Building Regulations covers the efficiency of heating installations and minimisation of heat loss, including insulation requirements and revisions to part L will come into effect in April 2006.

<b>6. EDUCATION AND PROMOTIONAL INITIATIVES</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
6.1 Continue to monitor air quality and maintain air quality monitoring sites in association with the Environment Research Group, Kings College London. (existing)	Environmental Services, DTS	Measure nitrogen dioxide (NO <sub>2</sub> ), particles (PM <sub>10</sub> ) and other pollutants including sulphur dioxide (SO <sub>2</sub> ), ozone and benzene.  Disseminate information through the Council Website and the Air Quality hotline. Continue to support London's Air Quality Network.	Ongoing Annual report to Committee	The following pollutants are monitored using automatic continuous monitors within the Borough: NO <sub>2</sub> , PM <sub>10</sub> , SO <sub>2</sub> , carbon monoxide, nitrogen dioxide, and ozone. In addition, NO <sub>2</sub> is measured using passive diffusion tubes at 10 sites within the Borough (including two new sites in Putney that commenced operation in June 2005); and benzene is measured using a diffusion tube at one site within the Borough. Air quality information on the Council's website has been updated and enhanced and the air quality hotline is maintained. Data continues to be provided to the Air Quality Network.
6.2 Promote travel awareness campaigns, including initiatives with TfL (existing)	Transport Planning, DTS	Don't Choke Wandsworth Travelwise Week Commuter Challenges Good Going Campaign – Bike Week	Annual campaigns Number of people participating in and/or reached by campaigns,	Good Going campaign included four Bike Week events at Tooting, Battersea Park, Balham and Clapham Junction. Around 400 people attended, with 237 making the Good Going pledge to use public transport, walk or cycle whenever possible. A further 180 Good Going pledges made to mid November as part of On-line Sustainable Transport Quiz promoted on the Council website. Support for Travel Options personalised travel planning project in Putney and Roehampton (run by TfL).

<b>6. EDUCATION AND PROMOTIONAL INITIATIVES</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
6.2 (cont.) Promote travel awareness campaigns, including initiatives with TfL (existing)	Transport Planning, DTS	Walk to School Week	<p>Number of leaflets distributed.</p> <p>Number of schools and children participating in May and October Walk to School Weeks.</p>	<p>The number of schools taking part in Walk to School Week in May 2005 was 35. Student resources (stickers, leaflets, bookmarks, etc) were distributed to over 10,000 students. In October 2005, 35 schools took part in the campaign reaching over 6000 children. 24 schools take part in the Walk on Wednesday Campaign. More than 2000 students received badges in the first month of the school year.</p> <p>18 schools involved in October also participated in a competition where each child recorded how they traveled to and from school during the week, and received a fresh air point if they did not travel by car. The winning class in each school chose a tree or shrub to be planted at their school. Air quality teaching packs were distributed to each of these schools.</p>
6.3 Encourage and promote the benefits of cleaner road vehicles. (existing)	Fleet Management, DTS	School programme of visits promoting environmentally friendly vehicles and alternative fuels	2005 % schools visited-	Fleet Management is no longer carrying out this programme. Environmental Services are working with schools through the Walk to School Weeks in conjunction with the Transport Planning section.

<b>6. EDUCATION AND PROMOTIONAL INITIATIVES (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
6.4 Promote the collection and composting of garden refuse to reduce the incidence of garden bonfires. Promote home composting (existing)	Waste Management, Leisure and Amenity Services Department (DOLAS)	Regular garden waste collection  Distribute home composting units	Implemented  Ongoing Number of units distributed	Completed  Composting units are distributed on a 60 day free trial, and made available at a discounted price afterwards via the following website: <a href="http://www.trycomposting.com/wandsworth/index2.htm">http://www.trycomposting.com/wandsworth/index2.htm</a> During 2003/04, 520 composting units were distributed, bringing the cumulative total to 7,116. Between April and September 2004, 211 composting units were distributed.  To the end of March 2005, 7,446 composting units had been distributed via various offers, since records began. From April to October 2005, a further 213 were sold via an offer with a commercial company, Blackwall, and so the total to December 2005 stands at 7,669.

<b>6. EDUCATION AND PROMOTIONAL INITIATIVES (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
6.5 Promote a greater awareness of air quality issues, including air quality data, the sources of pollution, its effects and how individuals and organisations can bring about improvements. (new)	Environmental Services, Transport Planning, DTS	Develop a strategy to raise awareness of air quality issues: work with local environmental groups to raise awareness of air quality issues among schools, businesses, health authorities and the public. Officer group to consider recommendations from the London Sustainable Distribution Partnership; consider developing Freight Quality Partnerships; assess the scope for the use of priority lanes by freight vehicles and the implications for other road users	June 2004 Meet with local environmental groups December 2004 Awareness Strategy produced March 2004.  Officer monitoring group formed and objectives set for next 2 years	Members of the Wandsworth Environment Forum have been contacted to discuss how best to raise awareness of air quality issues. An awareness strategy has been produced and is being used as an active working document in order to attempt to raise awareness among the appropriate stakeholder groups.  Officer group is progressing this objective. The London Sustainable Distribution Partnership initiatives are being taken forward via the Local Implementation Plan (LIP). Freight quality partnerships are also being developed as part of the LIP. In addition, a South London Freight quality partnership has been set up to operate within the six borough councils of Wandsworth, Merton, Sutton, Croydon, Bromley and Lewisham. Croydon Council achieved funding for this project on behalf of all six borough councils via a Borough Spending Plan Bid. Consultants have been appointed to carry out the initial stages of the work, and a project plan produced. Representatives from each of the Councils' environmental health sections decide how the work of the partnership should progress. The main aims of this freight quality partnership are to improve air quality, safety, reduce noise and increase operational efficiency of the freight transport industry. See also action 7.1

<b>6. EDUCATION AND PROMOTIONAL INITIATIVES (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
6.5 (cont,) Promote a greater awareness of air quality issues, including air quality data, the sources of pollution, its effects and how individuals and organisations can bring about improvements. (new)	Environmental Services, Transport Planning, DTS  DOLAS	consider Clear Zones;  consider the contribution made by trees to reducing air pollution.		No further progress has been made in considering Clear Zones.  The evidence is inconclusive of the contribution made by trees to reducing air pollution. However, it is considered that trees have benefits in reducing certain pollutants and the Council, through the Arboricultural section, continues its annual tree planting programme. The number planted depends upon time, funding and the allocation of green space for tree planting.
<b>7. ENCOURAGING BUSINESSES</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
7.1. Encourage businesses to switch to the most efficient vehicles and encourage companies to make use of funds available through Powershift, Clean-up and Motorvate schemes.	Environmental Service, DTS	Develop information and education programmes for businesses	December 2004 Number of businesses contacted	Information on cleaner fuels and cleaner vehicles has been added to the Council's website. Further publicity will be produced for businesses via the work of the South London Freight Quality Partnership. See also action 6.5

<b>7. ENCOURAGING BUSINESSES (cont)</b>				
<b>ACTION (EXISTING/NEW)</b>	<b>SECTION/ DEPARTMENT RESPONSIBLE</b>	<b>IMPLEMENTATION</b>	<b>TARGET DATE &amp; INDICATORS</b>	<b>PROGRESS DECEMBER 2005</b>
7.2 Provide advice to businesses in the Borough on energy use, reducing emissions, improving indoor air quality and environmental management schemes.	Environmental Services, DTS	Develop information and education programmes for businesses	December 2004 Number of businesses contacted	Information on air quality and cleaner fuels and cleaner vehicles is available on the Council's website. This information is updated regularly.  Advice and information for businesses will be provided via the work of the South London Freight Quality Partnership.
7.3 Work with businesses to discourage unnecessary idling of vehicles, for example, delivery vehicles. (existing)	Environmental Services, DTS	Develop information and education programmes for businesses	December 2004 Number of businesses contacted and implementing driver programmes	Publicity was produced in 2004, including an article for the Wandsworth Business magazine encouraging businesses to contact the Council for further advice. This will be progressed through the work of the South London Freight Quality Partnership. See also Action 4.6.



### Health Effects of Pollutants

<b>POLLUTANT</b>	<b>SOURCE</b>	<b>HEALTH IMPACT</b>
<b>Benzene</b>	Combustion of petrol vehicles	Possible chronic health effects include cancer, central nervous system disorders, liver damage, reproductive disorders and birth defects
<b>1.3-butadiene</b>	Combustion of petrol and diesel vehicles	Possible health effects as with benzene
<b>Carbon monoxide (CO)</b>	In urban areas, produced almost entirely by road traffic emissions	Prevents the normal transport of oxygen in the blood, People with existing heart or brain diseases likely to be at particular risk
<b>Lead</b>	Historically petrol vehicles, industry and waste incineration	Harmful to young. Linked to brain damage in children, and impairment of memory and attention span
<b>Nitrogen dioxide (NO<sub>2</sub>)</b>	Fuel combustion – principally road transport also power generation	Lung irritant, may lower the resistance to respiratory infections
<b>Particulates (PM<sub>10</sub>)</b>	In cities, main source is road traffic emissions, particularly diesel vehicles	Can cause inflammation to the lungs and worsen symptoms for people suffering with heart and lung diseases. Particulates may also carry carcinogens deep into the lungs
<b>Sulphur dioxide (SO<sub>2</sub>)</b>	Mainly industry, also road transport	Causes constriction of the airways, exacerbating existing conditions like asthma and chronic lung disease