

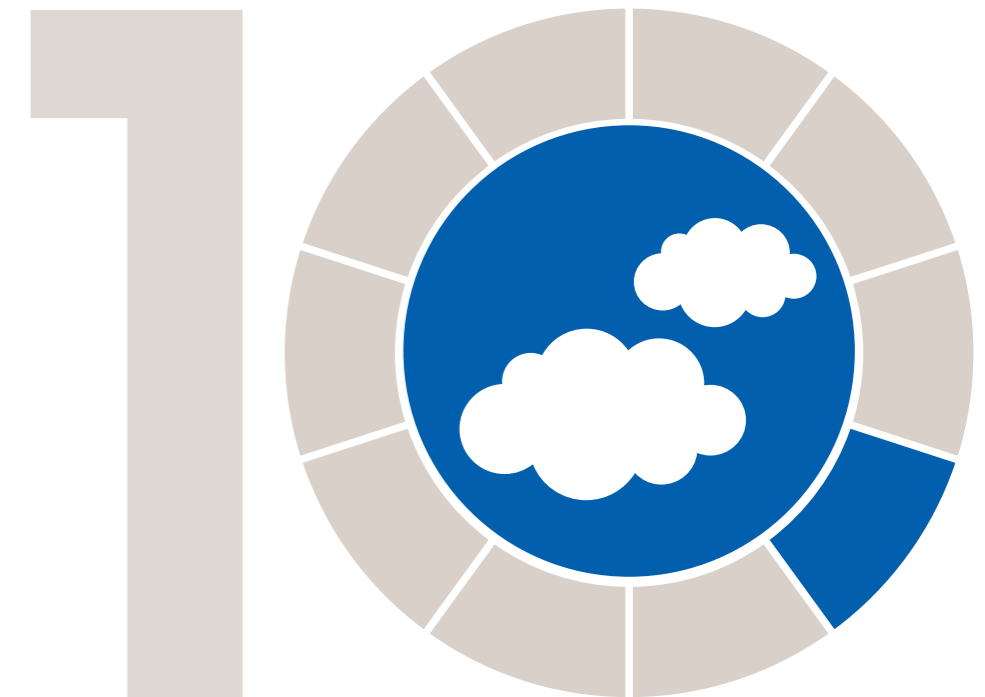


AIR QUALITY MANAGEMENT ACTION PLAN 2015 - 2018

This action plan is one of ten that we have put in place for the period 2015-2018, covering the following issues - air quality, biodiversity, carbon, community, energy, local economy, noise, surface access, waste, and water quality & consumption. Each Action Plan shows how our S106 Legal Agreement and our Decade of Change sustainability strategy are aligned to ensure that the airport continues to grow sustainably, and our actions to deliver these two programmes.

This action plan applies to operational controls on the Airfield. Our action plans on Carbon, Energy, and Surface Access also contribute to our efforts on air quality.

We'll continuously monitor our performance and report annually on our progress against the actions. **The action plans will be reviewed and updated during 2017-18 in conjunction with the development of a new S106 Legal Agreement.**



S106 LEGAL AGREEMENT OBLIGATIONS

To provide a Fixed Electrical Ground Power supply to any new Aircraft Stand. Not to allow the use of Ground Power Units at any Aircraft Stand unless:

- there is no Fixed Electrical Ground Power installed at the Aircraft Stand;
- the Fixed Electrical Ground Power which has been installed at the Aircraft Stand is temporarily out of service; or
- the relevant aircraft is incapable of utilising Fixed Electrical Ground Power by reason of its design or a technical malfunction or the power so supplied is insufficient for the aircraft.

To participate actively with the County Council, the Borough Council and the Adjoining Authorities:

- to avoid breaching the EU Limit value for NO₂;
- to ensure that all other relevant air quality standards continue to be met; and
- to develop and implement any Local Air Quality Management Area action plan that may be required to address air quality in the vicinity of the Airport where that air quality is materially affected by airport derived emissions, including those from airport operations fixed plant and surface access.
- provided the necessary standards have been promulgated, to participate in a project to quantify residential exposure within the Horley AQMA to aviation derived ultrafine particles and to provide 50% of the cost of such project to Reigate and Banstead.

The Company will during the period of this Agreement provide Reigate and Banstead with the following financial support for their activities relating to air quality in the vicinity of the Airport:

- A payment of Sixty five thousand pounds (£65,000) on or before 30 April in each calendar year 2016 to 2018 inclusive.
- Purchasing in accordance with a specification and programme set by Reigate & Banstead and thereafter leasing to Reigate & Banstead at a nominal cost (say £1 per site per year), such equipment as is needed to be replaced in order to maintain the current programme of air quality monitoring on three permanent sites, the cost and periodic replacement of the existing equipment being anticipated as:
 - £40,000 in 2015 for site RG3
 - £21,000 in 2017 for site RG2.

- The Company will also arrange twice-yearly meetings with Reigate and Banstead to discuss progress with air quality monitoring the results thereof and any further initiatives that may be deemed appropriate as well as the Company's progress with implementing its Air Quality Action Plan.

The Company will undertake a programme of studies of NO_x/NO₂, PM₁₀ and PM_{2.5}: attributable to activity at the Airport as detailed in the Air Quality Action Plan.

Action Planning: To review and update an Action Plan by 31 December 2017 specifying its prioritised programme of activities to address Air Quality.

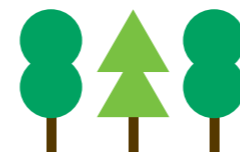
Monitoring and Reporting: To include in the annual Monitoring Report on compliance with the s106 Agreement the results of its continuous and random monitoring (including specified indicators).

Our 2010 Decade of Change strategy set out 3 focus areas on air quality.

- Work with airlines and partners to reduce air quality impacts using new technology, processes and systems
- Develop vehicular low emission zone for Gatwick
- Understand the impacts of future legislation for Gatwick and plan accordingly

We will deliver our overall Decade of Change plan by

- Working with Government on new and emerging legislation
- Maintaining a strong relationship with the airport's key local authorities
- Working with business partners to deliver innovative work programmes
- Engage with airport employees and passengers to ensure they support our approach





AIR QUALITY MANAGEMENT ACTION PLAN 2015 - 2018

Our Action Plan is designed to deliver our S106 obligations and Decade of Change targets on Air Quality. Actions 2, 3 and 4 are Decade of Change actions; Actions 1, 5 and 6 are S106 actions; and Action 7 is a combined S106 and Decade of Change action.

These KPIs reflect our S106 reporting obligations on the results of our continuous and random air quality monitoring; and our Decade of Change goal of improving air quality impacts. All the KPIs are updated annually in our Decade of Change report and S106 report.

	2015	2016	2017	2018
STRATEGY	1. Continue to work with RBBC and business partners to monitor and evaluate local air quality impacts in the context of the Horley Gardens AQMA.			
	2. Create a map of emissions sources and types for Gatwick, taking account of A-CDM implementation, as input to further development of air quality and carbon management activity.			
DELIVERY	3. Use findings from updated airport emissions map to identify potential cost-effective and operationally sensible opportunities for emission reductions from airside ground operations.			
	4. Continue to engage with airlines and industry partners at UK Level through Sustainable Aviation, and in relevant fora at European and international level, about best practice on new technologies and techniques to improve local air quality.			
	5. Continue to report on FEGP usage as part of quarterly Ground Noise Report, and develop annual summary on FEGP usage for inclusion in public reporting.			
	6. Maintain on-airport air quality monitoring sites and report on performance against established KPIs.			
MONITORING & REPORTING	7. Seek to develop further KPIs reflecting the contribution of actions taken under this and other Action Plans (e.g. Noise, Surface Access, Carbon and Energy), including seeking to quantify improvements from specific on-airport initiatives and taking account of further peer benchmarking on Air Quality KPIs and actions.			
	8. Report performance internally through Decade of Change governance. External data to be agreed prior to publication at GATCOM.			

AIR QUALITY KPIs

	2010	2011	2012	2013	2014
Nitrogen Dioxide: NO₂ annual average (µg m⁻³) Legal standard: 40					
Site RG1	28.9	21.1	22.7	21.7	21.8
Site RG2	31.2	28.8	31.2	28.5	28.5
Site RG3	20.5	17.8	23.2	19.3	17.5
Site LGW3	36.8	32.3	33.4	32.0	30.6
Particulate Matter: PM₁₀ annual average (µg m⁻³), VCM Legal standard: 40					
Site RG1	19.7	21.7	19.4	20.1	18.7
Site LGW3	22.0	23.0	22.0	22.9	23.6

Air Quality monitoring sites are located Off Airport (RG1, 2, 3) and On Airport (LGW3)
 - RG1 and RG2 are located in Horley Gardens Estate (NE of the Airport)
 - RG3 is located in Poles Lane, Crawley (SW of the Airport)
 For more details on our approach to air quality please see our annual Decade of Change report on our website.

KEY HEADLINES FOR 2010-14:

- Zero air quality breaches
- Air quality forecasting and modelling for second runway scenario completed as agreed with RBBC
- Airports Collaborative Decision Making (A-CDM) fully implemented at Gatwick.

LOOKING AHEAD

- Our action plan for 2015-18 aims to ensure that we:
- Maintain current level of zero air quality breaches.
 - Improve knowledge around sources of on-airfield emissions.
 - Continue to fit all new or modified aircraft stands with Fixed Electrical Ground power as standard.
 - Work with industry partners to identify operational improvements that will reduce aircraft fuel burn and so improve local air quality.