



Planning Application for the Aylesbury Estate Regeneration

## Masterplan & First Development Site Application

# Environmental Statement: ES Volume 2

Technical Appendices

WSP

v1



BARRATT  
LONDON



Hawkins  
Brown

mæ



Deloitte



AYLESBURY NOW

# Quality Management

Issue/revision	Issue 1	Revision 1	Revision 2	Revision 3
Remarks	Issued			
Date	08/10/2014			
Prepared by	Various Authors			
Signature				
Checked by	Tony Selwyn			
Signature				
Authorised by	Karen McAllister			
Signature				
Project number	62003762			
File reference	62003762			

---

# Aylesbury Estate

## Environmental Statement Volume 2 – Technical Appendices

08/10/2014

### Client

Notting Hill Housing Trust

### Consultant

WSP UK Ltd.  
WSP House  
70 Chancery Lane  
London  
WC2A 1AF  
UK

Tel: +44 (0)20 7314 5000

Fax: +44 (0)20 7314 5111

[www.wspgroup.co.uk](http://www.wspgroup.co.uk)

### Registered Address

WSP UK Limited  
01383511  
WSP House, 70 Chancery Lane, London, WC2A 1AF

---

# Environmental Statement

This Environmental Statement (ES) comprises four volumes. Volume 1 contains the main text of the ES and the accompanying figures. Volume 2 comprises the appendices and contains the supporting information to the ES. Volume 3 contains the Townscape, Built Heritage and Visual Impact Assessment. Volume 4 comprises a Non-Technical Summary of the ES.

Copies of this document are available for viewing on the London Borough of Southwark website and at the Council offices.

## Chapter List

- 1 Introduction
- 2 Approach to the Assessment
- 3 The Comprehensive Development
- 4 Planning Policy Context
- 5 Demolition and Construction
- 6 Ecology and Nature Conservation
- 7 Socio-economics and Population Effects
- 8 Telecommunications
- 9 Wind
- 10 Daylight, Sunlight and Overshadowing
- 11 Transportation and Access
- 12 Noise
- 13 Local Air Quality
- 14 Archaeology
- 15 Ground Conditions, Hydrogeology and Contamination
- 16 Water Resources, Water Quality, Flood Risk and Drainage
- 17 Cumulative Effects
- 18 Summary of Mitigation Measures
- 19 Summary of Residual Effects

---

# Table of Contents

## Volume 2 - Technical Appendices (This Volume)

<b>1</b>	<b>Introduction</b>
	No Appendices
<b>2</b>	<b>Approach to the Assessment</b>
2.1	WSP Aylesbury Estate EIA Scoping Report
2.2	LBS Aylesbury Estate EIA Scoping Opinion
2.3	WSP Aylesbury Estate Response to Scoping
<b>3</b>	<b>The Comprehensive Development</b>
	No Appendices
<b>4</b>	<b>Planning Policy Context</b>
	No Appendices
<b>5</b>	<b>Demolition and Construction</b>
5.1	Framework Construction Environmental Management Plan
5.2	Framework Code of Construction
5.3	Utility Infrastructure Report
5.4	Structural Engineer's Planning Report
5.5	Estimate of Construction Traffic
<b>6</b>	<b>Ecology and Nature Conservation</b>
6.1	2013 Greengage Ecological Extended Phase 1 Habitat
6.2	2013 Greengage Bat Survey Report
6.3	2014 WSP Aylesbury Estate Phase 1
6.4	2014 WSP Aylesbury Estate Bat Survey
<b>7</b>	<b>Socio-Economics</b>
7.1	Email to Southwark Children's Services and Southwark Adults Social Care Services
7.2	Email to Alex Cossins at LBS Council
7.3	Assessing Child Occupancy and Play Space requirements
<b>8</b>	<b>Telecommunications</b>
	No Appendices
<b>9</b>	<b>Wind</b>
9.1	HTA Wind Microclimate Assessment
<b>10</b>	<b>Daylight, Sunlight and Overshadowing</b>
10.1	HTA Daylight, Sunlight and Overshadowing
<b>11</b>	<b>Transportation and Access</b>

No Appendices	
<b>12</b>	<b>Noise</b>
12.1	Glossary of Terms
12.2	Legislation and Policy
12.3	Method of Baseline Collation
12.4	Significance Criteria
12.5	Equipment Details for Survey Work
12.6	Weather Conditions for Survey Work
12.7	Measured Hourly Noise Levels
12.8	Predictions of Vibration Levels
12.9	Model Calibration
12.10	Limitations and Assumptions
<b>13</b>	<b>Local Air Quality</b>
13.1	Glossary
13.2	Legislation, Policy and Guidance
13.3	Scope Details
13.4	Summary of Consultation & EHO Email Correspondence
13.5	Traffic Data
13.6	Details of the Energy Centres, Modelling Assumptions, Stack Parameters & Pollutant Averaging Periods
13.7	Building Parameters for Modelling
13.8	Summary of IAQM Construction Phase Impact Assessment Procedure
13.9a	Modelling Assumptions, Pollutant Backgrounds & Processing of Results
13.9b	Model Verification Calculations
13.10	Relevant Public Exposure
13.11a	Construction & Operational Significance Criteria
13.11b	Summary of EPUK Assessment Significance Criteria
13.11c	Secondary Power Supplies for Fire Fighting and Life Safety Report
13.12	Wind Rose for London City Airport 2013
13.13	Assessment Results
<b>14</b>	<b>Archaeology</b>
14.1	Archaeological Desk Based Assessment
<b>15</b>	<b>Ground Conditions</b>
15.1	Preliminary Risk Assessment (PRA)
<b>16</b>	<b>Water Resources, Water Quality, Flood Risk and Drainage</b>
16.1	Flood Risk Assessment

---

**17 Cumulative Effects**

No Appendices

**18 Summary of Mitigation Measures**

No Appendices

**19 Summary of Residual Effects**

No Appendices

