

Southampton to London Pipeline Project

Volume 6

Environmental Statement (Volume D)
Appendix 1.1: Environmental Statement Content
and Linkages

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Appendix 1.1 ENVIRONMENTAL STATEMENT CONTENT AND LINKAGES

VOLUME 6.1 NON-TECHNICAL SUMMARY				
CONTENTS OF VOLUME 6.2 ES CHAPTERS		CONTENTS OF VOLUME 6.3 ES FIGURES	CONTENTS OF VOLUME 6.4 ES APPENDICES	LINKS TO OTHER TOPICS
1 Introduction	Chapter 1 provides a general introduction to the project, the Environmental Impact Assessment (EIA) process and the structure and content of the Environmental Statement (ES). It summarises why the project is needed and where it is located. It also signposts how the project has complied with the EIA Regulations.	<ul style="list-style-type: none"> • Figure 1.1 Location of Scheme 	<ul style="list-style-type: none"> • Appendix 1.1 Environmental Statement Content and Linkages • Appendix 1.2 Index of Photographs • Appendix 1.3 Compliance of the Environmental Statement with Schedule 4 of the EIA Regulations • Appendix 1.4 List of Author Qualifications 	
2 Regulatory and Policy Context	Chapter 2 outlines the legislation and national policy applicable to the installation of the replacement aviation fuel pipeline. The supporting appendices document how the project has complied with environmental legislation and regional and local planning policies.		<ul style="list-style-type: none"> • Appendix 2.1 Environmental Legislation and Policy • Appendix 2.2 Regional and Local Planning Policy 	A full description of relevant planning policy can be found in the Planning Statement (application document 7.1).
3 Project Description	Chapter 3 describes the project in sufficient detail to inform the assessment. It includes the final route of the pipeline, the expected construction programme and proposed construction methods and principles. It also outlines operation and maintenance activities.	<ul style="list-style-type: none"> • Figure 3.1 Layout of Scheme 	<ul style="list-style-type: none"> • Appendix 3.1 Table of Trenchless Crossings • Appendix 3.2 Proposed Construction Schedule 	
4 Design Evolution	Chapter 4 provides a history of the project including how the project design has evolved taking into account existing environmental features and constraints. It also describes the embedded design measures that have been built into the design.	<ul style="list-style-type: none"> • Figure 4.1 Long List Corridor Options (South) • Figure 4.2 Long List Corridor Options (North) • Figure 4.3 Options G and J • Figure 4.4 Sub-options 	<ul style="list-style-type: none"> • Appendix 4.1 Pipeline Route Corridor Options 	
5 Consultation and Scoping	Chapter 5 outlines the consultation and engagement undertaken with statutory and non-statutory bodies and consultees. It also summarises the outputs of the EIA scoping stage.		<ul style="list-style-type: none"> • Appendix 5.1 Scoping Opinion Response • Appendix 5.2 Responses to the Scoping Report 	A full description of the themes raised within the consultation responses and how these have been considered can be found in the Consultation Report (application document 5.1). Further details on the scope of the assessment can be found in the Scoping Report (Esso, 2018 Planning Inspectorate Reference Number EN070005).

CONTENTS OF VOLUME 6.2 ES CHAPTERS		CONTENTS OF VOLUME 6.3 ES FIGURES	CONTENTS OF VOLUME 6.4 ES APPENDICES	LINKS TO OTHER TOPICS
<p>6</p> <p>Overview of Assessment Process</p>	<p>Chapter 6 sets out the EIA process and a summary of the methodology for the assessment. It describes the geographical and temporal scope of the EIA. It also describes the criteria for assessing sensitivity and magnitude and how these are combined to determine significance.</p>			<p>Detailed methodologies are set out in each technical chapter (Chapters 7-14)</p>
<p>7</p> <p>Biodiversity</p> 	<p>Chapter 7 is the technical assessment for biodiversity. It assesses the potential significant effects on designated and undesignated habitats and protected species in both freshwater and terrestrial environments.</p>	<ul style="list-style-type: none"> • Figure 7.1 Statutory Designated Sites for Nature Conservation • Figure 7.2 Non-Statutory Designated Sites for Nature Conservation • Figure 7.3 Ancient Woodland and Priority Habitats • Figure 7.4 Phase 1 Habitat Survey • Figure 7.5 Biodiversity and Landscape Mitigation • Figure 7.6 Typical Working Strip Cross Section Options SSSI & European Sites (1 of 2) • Figure 7.7 Typical Working Strip Cross Section Options SSSI & European Sites (2 of 2) • Figure 7.8 Chobham Common SSSI Plan West • Figure 7.9 Chobham Common SSSI Plan East • Figure 7.10 Colony Bog & Bagshot Heath SSSI Plan West • Figure 7.11 Colony Bog & Bagshot Heath SSSI Plan East • Figure 7.12 Bourley & Long Valley SSSI Plan 	<ul style="list-style-type: none"> • Appendix 7.1 Habitats and Botany Factual Report • Appendix 7.2 Hedgerow Factual Report • Appendix 7.3 Ancient Woodland Factual Report • Appendix 7.4 Invasive Non-Native Plant Species Factual Report • Appendix 7.5 Aquatic Ecology Factual Report • Appendix 7.6 Badger Factual Report • Appendix 7.7 Bat Factual Report • Appendix 7.8 Bird Factual Report • Appendix 7.9 Dormouse Factual Report • Appendix 7.10 Great Crested Newt (GCN) Factual Report • Appendix 7.11 Reptile Factual Report • Appendix 7.12 Riparian Mammals Factual Report • Appendix 7.13 Draft Badger Licence Application • Appendix 7.14 Draft Dormouse European Protected Species (EPS) Licence Application • Appendix 7.15 Draft GCN EPS Licence Application • Appendix 7.16 Draft Rare Reptiles EPS Licence Application • Appendix 7.17 Protected and Controlled Species Legislation Compliance Report 	<p>Habitats dependent on groundwater are also considered within Chapter 8 Water. A full description of the effects on European Sites is included within the Habitats Regulations Assessment Report (application document 6.5).</p>
<p>8</p> <p>Water</p> 	<p>Chapter 8 is the technical assessment for water. It assesses the potential significant effects on groundwater and surface water quality and resource. It also considers effects on flood risk and the project compliance statements in relation to the Water Framework Directive.</p>	<ul style="list-style-type: none"> • Figure 8.1 Surface Watercourses • Figure 8.2 Surface Water Study Area • Figure 8.3 Flood Risk Sensitivity 	<ul style="list-style-type: none"> • Appendix 8.1 Groundwater Baseline • Appendix 8.2 Detailed Trenchless and Targeted Open Cut Assessments • Appendix 8.3 Groundwater Dependent Terrestrial Ecosystems • Appendix 8.4 Groundwater Abstraction Assessment • Appendix 8.5 Potential Effects on Groundwater • Appendix 8.6 Water Framework Directive Compliance Assessment 	<p>Water dependent habitats and species are also considered within Chapter 7 Biodiversity. Impacts on groundwater quality are also considered within Chapter 11 Soils and Geology. A full description of the effects on flood risk is included within the Flood Risk Assessment (application document 7.3).</p>
<p>9</p> <p>Historic Environment</p> 	<p>Chapter 9 is the technical assessment for the historic environment. It assesses the potential significant effects on historic landscapes and buildings and also buried archaeology. It considers both direct effects and those related to setting.</p>	<ul style="list-style-type: none"> • Figure 9.1 Archaeological Remains • Figure 9.2 Historic Buildings • Figure 9.3 Historic Landscapes 	<ul style="list-style-type: none"> • Appendix 9.1 Historic Environment Desk-based Survey • Appendix 9.2 Geophysical Survey • Appendix 9.3 Historic Environment Gazetteer • Appendix 9.4 Potential Effects on the Historic Environment • Appendix 9.5 Archaeological Mitigation Strategy 	<p>Impacts on visual effects and setting of designated sites are also considered within Chapter 10 Landscape and Visual.</p>

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<p>10</p> <p>Landscape and Visual</p> 	<p>Chapter 10 is the technical assessment for landscape and visual. It assesses the potential significant effects on the landscape character, taking into account landscape features such as landform, vegetation and buildings. It also considers the visual effects which relate to changes to views of the landscape experienced by people.</p>	<ul style="list-style-type: none"> • Figure 10.1 National Character Areas • Figure 10.2 South Downs Integrated Character Areas • Figure 10.3 Landscape Constraints and Representative Viewpoints • Figure 10.4 Photos of Existing Views 	<ul style="list-style-type: none"> • Appendix 10.1 Representative Viewpoints • Appendix 10.2 Schedule of Notable Trees • Appendix 10.3 Visual Impact Schedules 	<p>Impacts on visual effects and setting of historic sites is also considered within Chapter 9 Cultural Heritage.</p>
<p>11</p> <p>Soils and Geology</p> 	<p>Chapter 11 is the technical assessment for soils and geology. It assesses the potential significant effects on designated sites of geological interest, soil properties and mineral resources. It also considers the risks to and from the project, associated with potential contaminants arising from current or previous land uses.</p>	<ul style="list-style-type: none"> • Figure 11.1 Soil Types • Figure 11.2 Agricultural Land Classification • Figure 11.3 Bedrock Geology • Figure 11.4 Superficial Geology • Figure 11.5 Water Lane Geological Site • Figure 11.6 Materials • Figure 11.7 Potentially Contaminative Land Uses • Figure 11.8 Current Environmental Permits (Landfill and Mining Waste) 	<ul style="list-style-type: none"> • Appendix 11.1 Soils and Geology Supporting Information 	<p>Impacts on groundwater quality are also considered within Chapter 8 Water.</p>
<p>12</p> <p>Land Use</p> 	<p>Chapter 12 is the technical assessment for land use. It assesses the potential significant effects on current and future land use in terms of agricultural land, residential and commercial property, community facilities and committed and allocated development land.</p>	<ul style="list-style-type: none"> • Figure 12.1 Land Use Temporary Land-take 	<ul style="list-style-type: none"> • Appendix 12.1 Land Use Baseline Conditions 	<p>Proposals for reinstatement are covered within Chapter 3 Project Description.</p>
<p>13</p> <p>People and Communities</p> 	<p>Chapter 13 is the technical assessment for people and communities. It includes an assessment on both communities and tourism. It includes effects associated with disruption such as noise and construction traffic. It also considers effects on rights of way and open space.</p>	<ul style="list-style-type: none"> • Figure 13.1 Communities Receptors • Figure 13.2 Tourism Receptors 	<ul style="list-style-type: none"> • Appendix 13.1 Traffic and Transport Technical Note • Appendix 13.2 Air Quality Technical Note • Appendix 13.3 Noise and Vibration Technical Note • Appendix 13.4 Human Health Technical Note • Appendix 13.5 Statement of Statutory Nuisances 	<p>Nuisance associated with lighting is also considered within Chapter 9 Landscape and Visual. A full description of the effects on transport is included within the Transport Assessment (application document 7.4).</p>
<p>14</p> <p>Major Accidents</p> 	<p>Chapter 14 reports the potential for a major accident or disaster, resulting in a risk of significant effect on the environment. A major accident is an undesirable extreme event resulting in damage or harm, such as a major pollution incident. A disaster is taken to relate to extremes of natural occurrences, such as a major flood event or earthquake.</p>		<ul style="list-style-type: none"> • Appendix 14.1 Material Safety Data Sheets 	<p>Inbuilt pipeline integrity measures are outlined within Chapter 3 Project Description and Chapter 4 Design Evolution</p>

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<p>15</p> <p>Cumulative Effects</p> <p>Σ</p>	<p>Chapter 15 reports the potential for cumulative effects either associated with the project where a single receptor can be affected by multiple aspects of the same development (intra-project effects) or where the effects of a development can be increased due to interactions with the effects of other proposed developments (inter-project effects).</p>	<ul style="list-style-type: none"> • Figure 15.1 Short List of Other Developments 	<ul style="list-style-type: none"> • Appendix 15.1 Long List of Other Developments • Appendix 15.2 Intra-Project Cumulative Effects Assessment • Appendix 15.3 Inter-Project Cumulative Effects Assessment 	<p>Cumulative effects associated with European Sites can be found in the Habitats Regulations Assessment Report (application document 6.5).</p>
<p>16</p> <p>Environmental Management and Mitigation</p>	<p>Chapter 16 sets out the process for the environmental management of the project and outlines how mitigation would be secured and implemented. It includes the Register of Environmental Actions and Commitments (REAC), which lists all of the environmental actions and commitments that have been included within the ES.</p>		<ul style="list-style-type: none"> • Appendix 16.1 Code of Construction Practice • Appendix 16.2 Outline Construction Environmental Management Plan 	
<p>17</p> <p>Summary of Significant Residual Effects</p>	<p>Chapter 17 provides a list of the likely significant effects that are predicted to remain after mitigation has been implemented.</p>			

STANDALONE REPORTS

Habitats Regulations Assessment

Flood Risk Assessment

Transport Assessment

Key

- Introductory chapters
- Technical chapters
- Concluding chapters