

Culham Storage

Environmental Impact Assessment

Volume 3: Technical Appendices

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Annex 1 – Location of Information within the ES ('wayfinding' document)

	Information for Inclusion in Environmental Statements, as Specified in Schedule 4 of the EIA Regulations 2017	How the EIA will address the Information Specifications
1.	A description of the development, including in particular:	
(a)	a description of the location of the development;	ES Volume 1: Chapter 1: Introduction and EIA Methodology
(b)	a description of the physical characteristics of the whole development, including, where relevant, requisite demolition works, and the land-use requirements during the construction and operational phases;	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development
(c)	a description of the main characteristics of the operational phase of the development (in particular any production process), for instance, energy demand and energy used,	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development
	...nature and quantity of the materials and natural resources (including water, land, soil and biodiversity) used; and	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development
(d)	an estimate, by type and quantity, of expected residues and emissions (such as water, ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...air, ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...soil and subsoil pollution,...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...noise, vibration, ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...light, ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...heat, radiation and ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines')

	Information for Inclusion in Environmental Statements, as Specified in Schedule 4 of the EIA Regulations 2017	How the EIA will address the Information Specifications
		ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...quantities and types of waste produced during the construction and operation phases;	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') Chapter 2: Alternatives, Design Evolution and the Proposed Development ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
2.	A description of the reasonable alternatives (for example in terms of development design, technology, location, size and scale) studied by the developer, which are relevant to the proposed project and its specific characteristics, and an indication of the main reasons for selecting the chosen option, including a comparison of the environmental effects.	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development
3.	A description of the relevant aspects of the current state of the environment (baseline scenario) ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology Chapter 2: Design Evolution, Alternatives and the Proposed Development Technical Chapters 3 - 5 ES Volume 2: Landscape and Visual Impact Assessment ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated: Ecology and Biodiversity") Appendix: Cultural Heritage, Annex 1: Archaeological Desk Based Assessment, Annex 2: Geophysical Survey Report 2022, Annex 3: Geophysical Survey Report 2023, and Annex 4: Written Scheme of Investigation for Archaeological Trial Trenching Appendix: Land Take and Soils, Annex 1: Agricultural Land Classification Report: Appendix: Climate Change, Annex 1: Climate Change Technical Note, Annex 2: Policy and Guidance Background, and Annex 3: Greenhouse Gas Calculations Appendix: Ecology and Biodiversity, Annex 1: Ecological Impact Assessment, and Annex 2: Biological Impact Assessment
	...and an outline of the likely evolution thereof without implementation of the development as far as natural changes from the baseline scenario can be assessed with reasonable effort on the basis of the availability of environmental information and scientific knowledge.	ES Volume 1: Chapter 1: Introduction and EIA Methodology Technical Chapters 3 - 5
4.	A description of the factors specified in regulation 4(2) likely to be significantly affected by the development: population, human health, ...	ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...biodiversity (for example fauna and flora), ...	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where

	Information for Inclusion in Environmental Statements, as Specified in Schedule 4 of the EIA Regulations 2017	How the EIA will address the Information Specifications
		Likely Significant Effects are Not Anticipated") Appendix: Ecology and Biodiversity, Annex 1: Ecological Impact Assessment, and Annex 2: Biological Impact Assessment
	...land (for example land take),	ES Volume 1: Chapter 4: Land Take and Soils ES Volume 3: Appendix: Land Take and Soils, Annex 1: Agricultural Land Classification Report
	...soil (for example organic matter, erosion, compaction, sealing), ...	ES Volume 1: Chapter 4: Land Take and Soils ES Volume 3: Appendix: Land Take and Soils, Annex 1: Agricultural Land Classification Report
	...water (for example hydromorphological changes, quantity and quality), ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...air, ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...climate (for example greenhouse gas emissions, impacts relevant to adaptation), ...	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development Chapter 5: Climate Change ES Volume 3: Appendix: Climate Change, Annex 1: Climate Change Technical Note, Annex 2: Policy and Guidance Background, and Annex 3: Greenhouse Gas Calculations
	...material assets, cultural heritage, including architectural and archaeological aspects, and landscape...	ES Volume 1: Chapter 3: Cultural Heritage ES Volume 2: Landscape and Visual Impact Assessment ES Volume 3: Appendix: Cultural Heritage
5.	A description of the likely significant effects of the development on the environment resulting from, inter alia:	ES Volume 1: Technical Chapters 3 – 5 Chapter 6: Effect Interactions Chapter 8: Summary and Conclusions
(a)	the construction and existence of the development, including, where relevant, demolition works.	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development
(b)	the use of natural resources, in particular land, soil, ...	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development Chapter 4: Land Take and Soils ES Volume 3:

	Information for Inclusion in Environmental Statements, as Specified in Schedule 4 of the EIA Regulations 2017	How the EIA will address the Information Specifications
		Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report Appendix: Land Take and Soils, Annex 1: Agricultural Land Classification Report
	...water and ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') Chapter 2: Design Evolution, Alternatives and the Proposed Development ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...biodiversity, ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') Chapter 2: Design Evolution, Alternatives and the Proposed Development ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated") Appendix: Ecology and Biodiversity, Annex 1: Ecological Impact Assessment, and Annex 2: Biological Impact Assessment
	...considering as far as possible the sustainable availability of these resources;	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development Technical Chapters 3 – 5 ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report
(c)	the emission of pollutants, ...	ES Volume 1: Chapter 5: Climate Change Chapter 8: Summary and Conclusions ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated") Appendix: Climate Change, Annex 1: Climate Change Technical Note, Annex 2: Policy and Guidance Background, and Annex 3: Greenhouse Gas Calculations
	...noise, vibration.	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...light, ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...heat and radiation, ...	ES Volume 1:

	Information for Inclusion in Environmental Statements, as Specified in Schedule 4 of the EIA Regulations 2017	How the EIA will address the Information Specifications
		Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...the creation of nuisances, ...	ES Volume 1: Chapter 1: Introduction and EIA Methodology ('Scoped-Out Disciplines') ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
	...and the disposal and recovery of waste;	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
(d)	the risks to human health, cultural heritage or the environment (for example due to accidents or disasters);	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development Technical Chapters 3 – 5; Chapter 8: Summary and Conclusions ES Volume 2: Landscape and Visual Impact Assessment ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated") Appendix: Cultural Heritage, Annex 1: Archaeological Desk Based Assessment, and Annex 2: Geophysical Survey Report
(e)	the cumulation of effects with other existing and/or approved projects, taking into account any existing environmental problems relating to areas of particular environmental importance likely to be affected or the use of natural resources;	ES Volume 1 Technical Chapters 3 – 5 Chapter 8: Summary and Conclusions ES Volume 2: Landscape and Visual Impact Assessment
(f)	the impact of the project on climate (for example the nature and magnitude of greenhouse gas emissions) and the vulnerability of the project to climate change; and	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development Chapter 5: Climate Change ES Volume 3: Appendix: Climate Change, Annex 1: Climate Change Technical Note, Annex 2: Policy and Guidance Background, and Annex 3: Greenhouse Gas Calculations
(g)	the technologies and the substances used.	ES Volume 1: Chapter 2: Design Evolution, Alternatives and the Proposed Development Technical Chapters 3 – 5
6.	A description of the forecasting methods or evidence, used to identify and assess the significant effects on the environment, including details of difficulties (for example technical	ES Volume 1: Chapter 1: Introduction and EIA Methodology Technical Chapters 3 – 5

	Information for Inclusion in Environmental Statements, as Specified in Schedule 4 of the EIA Regulations 2017	How the EIA will address the Information Specifications
	deficiencies or lack of knowledge) encountered compiling the required information and the main uncertainties involved.	ES Volume 2: Landscape and Visual Impact Assessment
7.	A description of the measures envisaged to avoid, prevent, reduce or, if possible, offset any identified significant adverse effects on the environment and, where appropriate, of any proposed monitoring arrangements (for example the preparation of a post-project analysis). That description should explain the extent, to which significant adverse effects on the environment are avoided, prevented, reduced or offset, and should cover both the construction and operational phases.	ES Volume 1: Chapter 1: Introduction and EIA Methodology Chapter 2: Design Evolution, Alternatives and the Proposed Development Technical Chapters 3 – 5 Chapter 7: Environmental Management, Mitigation and Monitoring ES Volume 2: Landscape and Visual Impact Assessment ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated") Appendix: Ecology and Biodiversity, Annex 1: Ecological Impact Assessment; and Annex 2: Biological Impact Assessment
8.	A description of the expected significant adverse effects of the development on the environment deriving from the vulnerability of the development to risks of major accidents and/or disasters which are relevant to the project concerned. Relevant information available and obtained through risk assessments pursuant to EU legislation such as Directive 2012/18/EU(c) of the European Parliament and of the Council or Council Directive 2009/71/Euratom(d) or UK environmental assessments may be used for this purpose provided that the requirements of this Directive are met. Where appropriate, this description should include measures envisaged to prevent or mitigate the significant adverse effects of such events on the environment and details of the preparedness for and proposed response to such emergencies.	ES Volume 3: Appendix: Introduction and EIA Methodology, Annex 4: EIA Scoping Opinion Request Report ("Topics Where Likely Significant Effects are Not Anticipated")
9.	non-technical summary of the information provided under paragraphs 1 to 8.	ES Non-Technical Summary
10.	A reference list detailing the sources used for the descriptions and assessments included in the environmental statement.	ES Volume 1: Chapter 1: Introduction and EIA Methodology; and Technical Chapters 3 – 5