

A303 Amesbury to Berwick Down

TR010025

6.3 Environmental Statement Appendices

Appendix 5.5 Non-Significant Effects

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

October 2018



Table of contents

Chapter	Pages
1 Non-Significant Effects	4
 Table of Tables	
Table 5.5.1: Summary of non-significant effects – construction.....	4
Table 5.5.2: Summary of non-significant effects – operation	5

1 Non-Significant Effects

1.1.1 This technical appendix sets out the non-significant effects for air quality for both the construction and operational phases:

Table 5.1.1: Summary of non-significant effects – construction

Receptor	Attribute	Receptor sensitivity	Impact	Design and mitigation measures	Impact magnitude	Residual effect
Residential Receptors	Air quality effects on human receptors.	N/A	Increases or decreases in annual mean concentrations and short term concentrations from temporary traffic management and HGV traffic.	Not required.	Imperceptible to small at the majority of receptors, some medium to large improvements along tunnelled section and at Winterbourne Stoke.	Not Significant
Designated ecosystems	Air quality effects on designated ecosystems.	N/A	Increases or decreases in annual mean concentrations of oxides of nitrogen and annual rates of nitrogen deposition from temporary traffic management and HGV traffic.	Not required.	Imperceptible to small at the majority of receptors, some medium to large improvements at Winterbourne Stoke and worsening at the new River Till Crossing.	Not Significant
Residential Receptors	Construction dust impacts due to demolition, construction and earthworks.	N/A	Increases in deposited dust and particulates.	Standard and additional best practice mitigation measures.	N/A	Not Significant
Designated ecosystems	Construction dust impacts due to	N/A	Increases in deposited dust.	Standard and additional best practice mitigation	N/A	Not Significant

Receptor	Attribute	Receptor sensitivity	Impact	Design and mitigation measures	Impact magnitude	Residual effect
	demolition, construction and earthworks.			measures.		

Table 5.1.2: Summary of non-significant effects – operation

Receptor	Attribute	Receptor sensitivity	Impact	Design and mitigation measures	Impact magnitude	Residual effect
Residential Receptors	Air quality effects on human receptors.	N/A	Increases or decreases in annual mean concentrations and short term concentrations.	Not required	Imperceptible to small at the majority of receptors, some medium to large improvements along tunnelled section and at Winterbourne Stoke.	Not Significant
Designated ecosystems	Air quality effects on designated ecosystems.	N/A	Increases or decreases in annual mean concentrations and annual rates of nitrogen deposition.	Not required	Imperceptible to small at the majority of receptors, some medium to large improvements at Winterbourne Stoke and worsening at the new River Till Crossing.	Not Significant

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