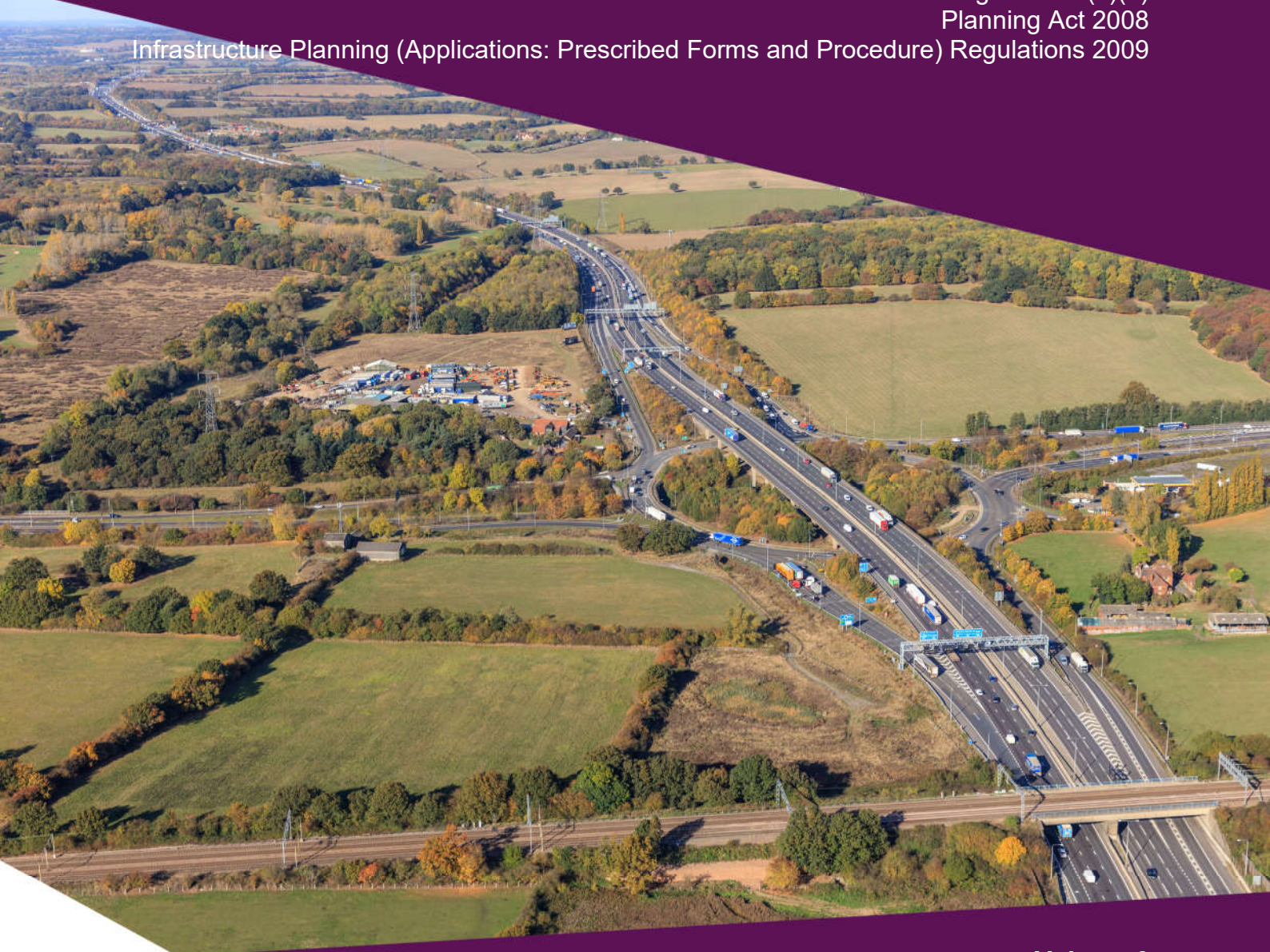


# M25 junction 28 improvement scheme TR010029

## 6.3 Environmental Statement Appendix 10.2: Classification of probability and consequence

APFP Regulation 5(2)(a)  
Planning Act 2008

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



## Infrastructure Planning

### Planning Act 2008

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

### M25 junction 28 scheme Development Consent Order 202[x ]

---

#### 6.3 ENVIRONMENTAL STATEMENT APPENDIX 10.2: CLASSIFICATION OF PROBABILITY AND CONSEQUENCE

---

<b>Regulation Number:</b>	Regulation 5(2)(a)
<b>Planning Inspectorate Scheme Reference:</b>	TR010029
<b>Application Document Reference:</b>	TR010029/APP/6.3
<b>Author:</b>	M25 junction 28 improvement scheme project team, Highways England

<b>Version</b>	<b>Date</b>	<b>Status of Version</b>
1	May 2020	Application issue

# Table of contents

<b>Chapter</b>	<b>Pages</b>
<b>10. Classification of probability and consequence</b>	<b>5</b>
<b>Tables</b>	
Table 10.1: Classification of probability	5
Table 10.2: Classification of consequence	5

# **Appendix 10.2**

## **Classification of probability and consequence**

## 10. Classification of probability and consequence

**Table 10.1: Classification of probability**

Classification	Definition of the probability of harm/pollution occurring
High Likelihood	The contaminant linkage exists and it is very likely to be realised in the short term, and/or will almost inevitably be realised in the long term, and/or there is current evidence of it being realised.
Likely	The source, pathway and receptor exist for the contaminant linkage and it is probable that this linkage will be realised. Circumstances are such that realisation of the linkage is not inevitable, but possible in the short term and likely over the long term.
Low Likelihood	The source, pathway and receptor exist, and it is possible that it could be realised. Circumstances are such that realisation of the linkage is by no means certain in the long term and less likely in the short term.
Unlikely	The source, pathway and receptor exist for the contaminant linkage but it is improbable that it will be realised even in the long term.

**Table 10.2: Classification of consequence**

Classification	Definition of consequence
<b>Human health receptors</b>	
Severe	Acute damage to human health based on the potential effects on the critical human health receptor.
Medium	Chronic damage to human health based on the potential effects on the critical human health receptor.
Mild	Minimal short-term effects on human health based on the potential effects on the critical human health receptor.
Minor	No appreciable impact on human health based on the potential effects on the critical human health receptor.
<b>Controlled water receptors</b>	
Severe	Pollution of a Principal aquifer within a groundwater Source Protection Zone (inner and outer) or potable supply characterised by a breach of drinking water standards. Pollution of a surface water course characterised by a breach of an Environmental Quality Standard at a statutory monitoring location or resulting in a change in Generic Quality Assessment grade of river reach. Discharge of a List I or List II substance to groundwater.
Medium	Pollution of a Principal aquifer outside a groundwater Source Protection Zone (inner and outer) or a Secondary A aquifer characterised by a breach of Drinking Water Standards. Pollution of an industrial groundwater abstraction or irrigation supply that impairs its function. Substantial pollution but insufficient to result in a change in the Generic Quality Assessment grade of river reach.
Mild	Low levels of pollution of a Principal aquifer outside a groundwater Source Protection Zone or an industrial abstraction, or pollution of a secondary A or Secondary B aquifer. Low levels of pollution insufficient to result in a change in the Generic Quality Assessment grade of river reach, pollution of a surface water course without a quality classification.



Classification	Definition of consequence
Minor	No appreciable pollution, or pollution of a low sensitivity receptor such as a Secondary (undifferentiated) aquifer or a surface water course without a quality classification.
<b>Ecosystem receptors</b>	
Severe	For sites with designations as follows - Site of Special Scientific Interest, National Nature Reserve, Special Protection Area (and potential sites), Special Area of Conservation (and candidate sites) or Ramsar. Irreversible adverse change in the functioning of the ecological system or any species of special interest that forms part of that system.
Medium	For sites with designations as follows - Site of Special Scientific Interest, National Nature Reserve, Special Protection Area (and potential sites), Special Area of Conservation (and candidate sites) or Ramsar. Substantial adverse change in the functioning of the ecological system or any species of special interest that forms part of that system.
Mild	Harm to ecosystems of a low sensitivity such as sites of local importance. No appreciable harm to ecosystems with statutory designations.
Minor	Limited harm to ecosystems of low sensitivity such as sites of local importance.
<b>Property receptors - buildings, foundations and services</b>	
Severe	Collapse of a building or structure including the services infrastructure from explosion.
Medium	Significant damage to a building or structure including the services infrastructure impairing their function.
Mild	Damage to buildings/structures and foundations but not resulting in them being unsafe for occupation. Damage to services but not sufficient to impair their function.
Minor	No appreciable damage to buildings/structures, foundations and services.

© Crown copyright (2020).

You may re-use this information (not including logos) free of charge in any format or medium, under the terms of the Open Government Licence. To view this licence:

visit [www.nationalarchives.gov.uk/doc/open-government-licence/](http://www.nationalarchives.gov.uk/doc/open-government-licence/)  
write to the Information Policy Team, **The National Archives, Kew, London TW9 4DU**,  
or email [psi@nationalarchives.gsi.gov.uk](mailto:psi@nationalarchives.gsi.gov.uk).

Printed on paper from well-managed forests and other controlled sources.

Registered office Bridge House, 1 Walnut Tree Close, Guildford GU1 4LZ  
Highways England Company Limited registered in England and Wales number 09346363