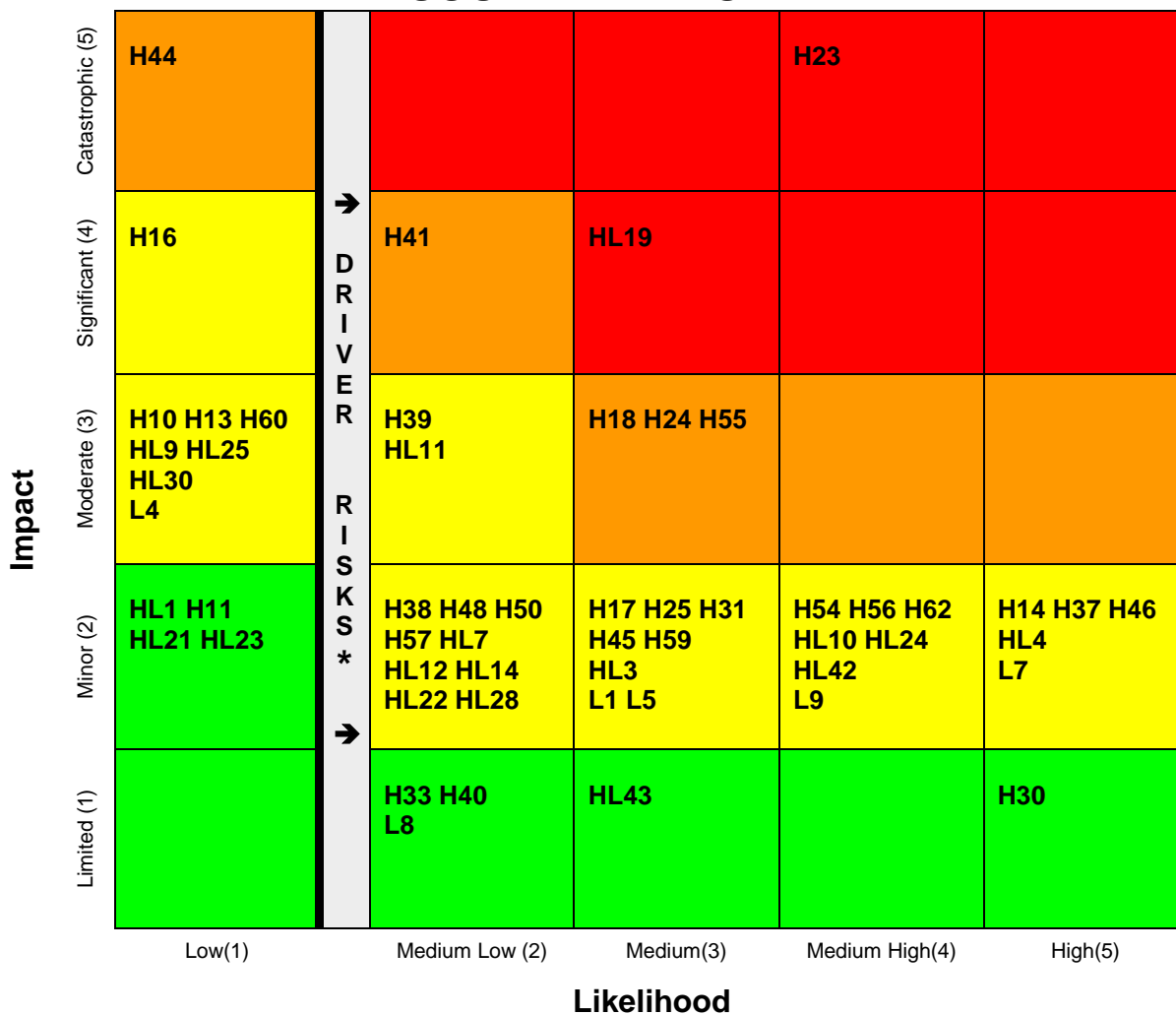


# RISK RATING MATRIX

## SOUTH DERBYSHIRE AREA



|            |                  |             |            |            |
|------------|------------------|-------------|------------|------------|
| <b>Key</b> | <b>Very High</b> | <b>High</b> | <b>Med</b> | <b>Low</b> |
|------------|------------------|-------------|------------|------------|

\* Risks that drive planning assumptions and capability development

| 1. Major Industrial Accident |   |
|------------------------------|---|
| H10                          | Radioactive substance release from a nuclear reactor  |
| H11                          | Accidental exposure to radioactive material from incorrectly handled stolen sources   |
| H13                          | Foreign nuclear accident affecting the UK   |
| H14                          | Major contamination incident with widespread implications for the food chain  |
| H38                          | Technical failure of a critical upstream oil/gas facility, gas import pipeline terminal, or Liquefied Natural Gas (LNG) import reception facility leading to a disruption in gas supplies |
| H39                          | Failure of water infrastructure or loss of drinking water   |
| H40                          | Disruption or loss of telecommunication systems   |
| H41                          | Total failure of GB's National Electricity Transmission Network   |
| H44                          | Major reservoir dam failure/collapse  |
| H45                          | Disruption to Regional Electricity Distribution or Transmission Network/System.   |
| H46                          | Biological substance release during an unrelated work activity or industrial process (e.g. Legionella release due to improperly maintained building environmental control systems)        |
| H59                          | Technological failure of the banking system   |
| 2. Industrial Accident       |   |
| HL1                          | Fire or explosion at a gas terminal or involving a gas pipeline   |
| HL3                          | Localised industrial accident involving small toxic release   |
| HL4                          | Major pollution of surface waters and groundwater   |
| HL7                          | Industrial explosions and major fires   |
| HL25                         | Localised fire or explosion at a gas terminal as well as LPG, LNG, and other gas onshore  |

|  |   |
|--|---|
|  | feedstock pipeline and flammable gas storage sites  |
| HL28                                   | Localised fire or explosion at a fuel distribution site or tank storage of flammable and /or toxic liquids  |
| HL30                                   | Localised explosion at a natural gas pipeline   |
| L1                                     | Disruption to local electricity distribution or transmission network/system   |
| <b>3. Major Transport Accident</b>     |   |
| H16                                    | Aviation accident over a semi-urban area  |
| H60                                    | Road or rail tanker containing dangerous goods and/or "high consequence" dangerous goods – accident involving fire and explosion  |
| <b>4. Transport Accidents</b>          |   |
| HL9                                    | Aviation accident   |
| HL10                                   | Local accident on motorways and major trunk roads   |
| HL11                                   | Railway accident  |
| HL12                                   | Local accident involving transport of hazardous chemicals   |
| HL14                                   | Local (road) accident involving transport of fuel/explosives  |
| L4                                     | Hazardous goods transport - radioactive materials   |
| <b>5. Structural</b>                   |   |
| HL21                                   | Land movement (i.e. caused by tremors or landslides)  |
| HL22                                   | Building collapse   |
| HL23                                   | Bridge closure or collapse  |
| <b>6. Natural Hazards</b>              |   |
| H17                                    | Severe Storms and Gales   |
| H18                                    | Low temperatures and heavy snow   |
| H48                                    | Heatwave  |
| H50                                    | Drought   |
| H54                                    | Disruption to aviation as a consequence of volcanic ash   |
| H55                                    | Severe effusive (gas rich) volcanic eruption overseas   |
| H56                                    | Severe Space Weather  |
| H62                                    | Health impacts of poor air quality either from high ground level ozone or fine particulate matter   |
| HL19                                   | Local fluvial flooding  |
| L5                                     | Pluvial (Surface Water) Flooding  |
| <b>7. Human Health</b>                 |   |
| H23                                    | Influenza type disease (pandemic)   |
| H24                                    | Emerging infectious diseases  |
| HL24                                   | Localised legionella / meningitis outbreak  |
| <b>8. Animal Health</b>                |   |
| H25                                    | Outbreak of exotic notifiable disease in animals (including birds).   |
| L7                                     | Zoonotic notifiable animal disease - Tuberculosis   |
| <b>9. Disruptive Industrial Action</b> |   |
| H30                                    | Emergency services: loss of emergency fire and rescue cover because of industrial action  |
| H31                                    | Actual or threatened significant disruption to fuel supplies including as a result of industrial action by tanker drivers or refinery staff, or effective blockades at key refineries/terminals by protesters |
| H33                                    | National strike action by prison officers   |
| HL42                                   | Loss of cover due to industrial action by workers providing a service critical to the preservation of life (such as emergency service workers)  |
| <b>10. Miscellaneous</b>               |   |
| H37                                    | Influx of destitute/vulnerable British Nationals who are not normally resident in the UK and cannot be accommodated by family/friends   |
| H57                                    | Large scale public disorder in site(s) in a single city, or in multiple cities, occurring concurrently over several days  |
| HL43                                   | Outbreak of plant disease   |
| L8                                     | Public events incident (illegal/unauthorised)   |
| L9                                     | Government and public services  |