



Planning for Emergencies

MERSEYSIDE RESILIENCE FORUM

Merseyside Community Risk Register

2023

INTRODUCTION

What is the Community Risk Register?

The Community Risk Register (CRR) has been compiled by the Merseyside Resilience Forum (MRF) to identify potential risks that may affect the communities of Merseyside. The MRF is a collaboration of multi-agency services / partners working together to prepare for emergencies on Merseyside, including:

| | |
|---|---|
| British Transport Police (BTP) | Cadent |
| Cheshire & Merseyside Integrated Care Board | Environment Agency (EA) |
| Health & Safety Executive (HSE) | Knowsley Metropolitan Borough Council |
| Liverpool City Council | Liverpool John Lennon Airport |
| Maritime and Coastguard Agency (MCA) | Merseyside Fire & Rescue Service (MFRS) |
| Merseyside Police | Merseytravel |
| Mersey Tunnels Police | Met Office |
| NHS England | National Grid Plc |
| National Highways | North West Ambulance Service (NWAS) |
| Port of Liverpool Police | Sefton Metropolitan Borough Council |
| SP Energy Networks | St Helens Metropolitan Borough Council |
| Wirral Metropolitan Borough Council | United Utilities |
| UK Health Security Agency | |

The CRR provides the basis for the responder agencies to develop emergency plans and provides a guide for the preparedness work carried out by the MRF. The CRR is also intended to inform the public - individuals, families and businesses - on the range of potential disruptive events that these agencies have considered when making their plans, and to provide assurance that they are ready to deal with these emergencies to provide resilience for the communities that they serve.

How has the Community Risk Register Been Compiled?

The Government assesses hazards and threats that could affect the United Kingdom. These are published in the National Risk Register. It explains the likelihood of a risk occurring and, if it happens, the effects it may have.

Under the Civil Contingencies Act 2004 (CCA) all areas of the United Kingdom are required to establish a local resilience forum within the local Police Force area. The CCA places a legal duty on local emergency responders to carry out assessments on the risks to their area and publish them.

The register prioritises risks at a Merseyside level. It is a document that shows which risks have been identified to affect Merseyside. The likelihood of an event occurring has been assessed using historical evidence and projected occurrence data relating to the risk occurring over a two year period. The potential impact of such an emergency has been assessed with regard to welfare of the community, essential services, the local economy and local environment in accordance with national guidance.

The inclusion of these hazards does not mean that the Merseyside Resilience Forum (MRF) believes the risk will materialise, or that if it were to do so, it would be at that scale. The risk scenarios are considered to be reasonable worst case assumptions upon which our risk assessment is based. The likelihood and impact assessments have been used to develop a Risk Rating of Low, Medium, High or Very High. This is displayed on the Risk Matrix (page 8).

The risk matrix below shows non-malicious and certain malicious events. This does not mean that we are not considering all malicious threats within our risk assessment work, but given the sensitivity of the information supporting these risk assessments and the potential for use by adversaries, specific details will not be made available via this document.

Lead Responsibility

For the purpose of clarity, the Lead Responsibility refers to the organisation responsible for compiling the specific entry into the CRR. This does not necessarily denote responsibility for enacting risk treatment or for lead response in case of an incident.

FURTHER INFORMATION

To view the National Risk Register of Civil Emergencies please visit the Government website via the link below:

[National Risk Register for Civil Emergencies](#)

To view the Cabinet Office Guidance for Emergency Preparedness and Emergency Response & Recovery please visit the Government website via the links below:

[Emergency Preparedness](#)

[Emergency Response and Recovery](#)

Further information is also available on the Merseyside Prepared website via the links below:

www.merseysideprepared.org.uk

If you have any further queries please contact:

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RISK INDEX

| ACCIDENTS AND SYSTEM FAILURES | Lead Responsibility |
|---|---|
| Major Fire | Merseyside Fire & Rescue Service |
| Wildfires | Merseyside Fire & Rescue Service |
| Fire at Fuel Distribution Site | Merseyside Fire & Rescue Service |
| Fire at Gas Terminal | Merseyside Fire & Rescue Service |
| Pipeline Incident - Gas | Merseyside Fire & Rescue Service |
| Fire at Oil Refinery | Merseyside Fire & Rescue Service |
| Fire at Offshore Installation | Maritime & Coastguard Agency |
| Pipeline Incident - Ethylene | Merseyside Fire & Rescue Service |
| Pipeline Incident - Fuel | Merseyside Fire & Rescue Service |
| Biological Pathogen Release | UK Health Security Agency |
| Biological Substance Release | UK Health Security Agency |
| Chemical Release | Merseyside Fire & Rescue Service |
| Civil Nuclear Accident | UK Health Security Agency |
| Maritime Pollution | Maritime & Coastguard Agency |
| Road Accident – involving Hazardous Materials | Merseyside Fire & Rescue Service |
| Food Supply Contamination | UK Health Security Agency |
| Exposure to Radiation | UK Health Security Agency / NHS England |
| Aviation Incident | Liverpool John Lennon Airport (Fire) |
| Collapse of Government Contractor | NHS England |
| Collapse of Social Care Provider | Liverpool City Council |
| Reservoir / Dam Collapse | Environment Agency |
| Water Supply Failure | United Utilities |
| National Electricity Failure | SP Energy Networks |
| Regional Electricity Failure | SP Energy Networks |
| Gas Supply Failure | St Helens MBC |
| Telecommunications Failure | Merseyside Police |
| Retail Bank Failure | Liverpool City Council |
| Systemic Financial Crisis | Liverpool City Council |

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| NATURAL HAZARDS | Lead Responsibility |
|---------------------------|--------------------------------------|
| Coastal Flooding | Environment Agency |
| River Flooding | Environment Agency |
| Surface Water Flooding | Liverpool City Council |
| Drought | United Utilities |
| Poor Air Quality | UK Health Security Agency |
| Volcanic Eruption | Liverpool John Lennon Airport (Fire) |
| Heatwave | UK Health Security Agency |
| Low Temperatures and Snow | Liverpool City Council |
| Space Weather | SP Energy Networks |
| Storms | St Helens MBC |
| Earthquake | Merseyside Fire & Rescue Service |

| HUMAN AND ANIMAL DISEASES | Lead Responsibility |
|----------------------------------|----------------------------|
| Influenza Type Pandemic | UK Health Security Agency |
| Emerging Infectious Disease | UK Health Security Agency |
| Antimicrobial Resistance | UK Health Security Agency |
| Animal Disease | Wirral MBC |

| SOCIETAL | Lead Responsibility |
|-------------------------------------|----------------------------------|
| Industrial Action – Fire & Rescue | Merseyside Fire & Rescue Service |
| Industrial Action - Prison Officers | Merseyside Police |
| Industrial Action - Transport | British Transport Police |
| Industrial Action - Fuel | Merseytravel |
| Collapse of Fuel Supplier | Merseyside Police |
| Public Disorder | Merseyside Police |
| Influx of British Nationals | Liverpool City Council |

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| MALICIOUS | Lead Responsibility |
|---------------------------------------|----------------------------|
| Cyber - Transport | Merseytravel |
| Cyber - Health and Social Care System | NHS England |
| Cyber - Democratic Process | Liverpool City Council |
| Cyber - Crime Incident | Merseyside Police |
| Cyber – Financial Telecoms | Merseyside Police |
| Cyber – Government Systems | Merseyside Police |
| Cyber – Data Breach | Merseyside Police |
| Cyber - Telecommunications | Merseyside Police |

| LOCAL | Lead Responsibility |
|---|----------------------------------|
| Tunnel Incident | Mersey Tunnels Police |
| Maritime Accident / Blockade | Port Police |
| Passenger Vessel Incident | Maritime & Coastguard Agency |
| Aviation Incident Offshore | Maritime & Coastguard Agency |
| Railway Accident | British Transport Police |
| Motorway Incident | National Highways |
| Building Collapse | Merseyside Fire & Rescue Service |
| Groundwater Pollution | Environment Agency |
| Fire at Waste / Recycling Site | Merseyside Fire & Rescue Service |
| Industrial Action – Emergency Services | North West Ambulance Service |
| Temporary Risks - Festivals / Sporting / Leisure Events | Event Organisers |

RISK MATRIX

2023 MERSEYSIDE COMMUNITY RISK REGISTER

IMPACT

| | | | | |
|--|--|---|---|---|
| | | | | |
| Fire at Oil Refinery Civil Nuclear Accident | | Influenza Type Pandemic National Electricity Failure | | |
| Fire at Fuel Distribution Site Fire at Gas Terminal Pipeline Incident - Gas Pipeline Incident - Ethylene Aviation Incident Reservoir / Dam Collapse | Chemical Release Water Supply Failure Systemic Financial Crisis Drought | Regional Electricity Failure Surface Water Flooding Poor Air Quality Severe Space Weather Emerging Infectious Disease Public Disorder | Collapse of Social Care Provider Heatwave | Cyber - Health and Social Care Cyber - Crime Incident |
| Fire at Offshore Installation Pipeline Incident - Fuel Biological Pathogen Release Maritime Pollution Aviation Incident Offshore Indus Action - Emer Services | Major Fire Wildfires Road Accident - Hazmats Gas Supply Failure Passenger Vessel Incident Building Collapse | Food Supply Contamination Coastal Flooding River Flooding Low Temperatures and Snow Storms Antimicrobial Resistance Indus Action - Fuel Railway Accident | Biological Substance Release Collapse of Gov Contractor Volcanic Eruption Indus Action – Fire & Rescue | Indus Action - Transport |
| Telecommunications Failure | Cyber – Financial Telecoms Exposure to Radiation Animal Disease Collapse of Fuel Supplier Tunnel Incident Maritime Accident/Blockade Motorway Incident Fire at Waste/Recycling Site | Cyber – Government Systems Cyber – Data Breach Cyber - Telecoms Earthquake | Cyber - Transport Cyber - Democratic Process Retail Bank Failure Indus Action – Prison Officers Influx of British Nationals | Groundwater Pollution |

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