

2022-2023

# Surrey Community Risk Register



Surrey's  
Local Resilience  
Forum

Surrey County Council

Risk Assessment Working Group

2022-2023

## Purpose of the Register

The Surrey Community Risk Register has been created to provide public information about the hazards that exist within the County and the control measures that are in place to mitigate their impact. The Register has been published in response to the Civil Contingencies Act 2004 and further information can be accessed through the GOV.UK website.

## Methodology

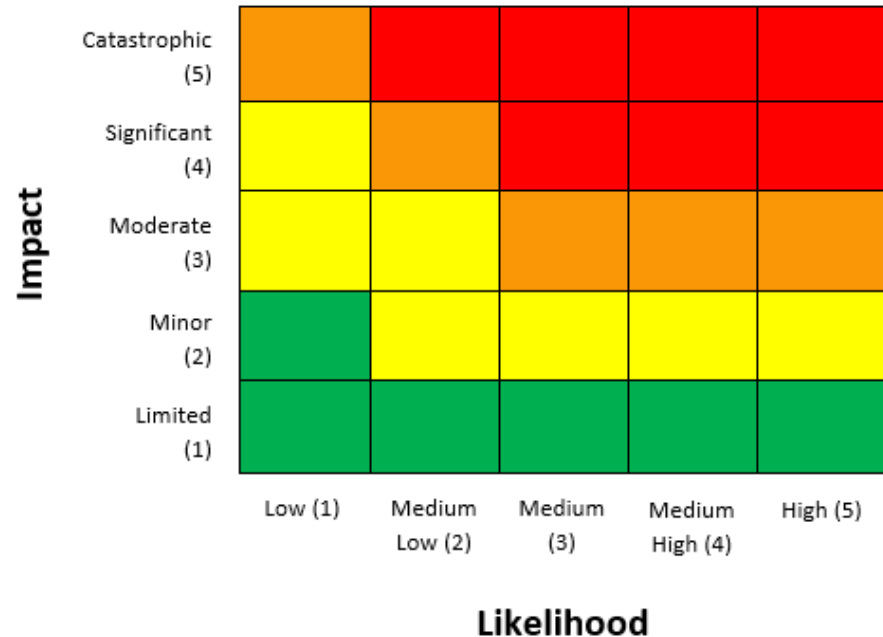
The hazards have been outlined in a generic format as this is the basis of response planning within the County, which follows nationally agreed best practice. The generic hazards are taken from the National Risk Register and have been assessed for the likelihood of the event happening and the potential impact that may have within the County. This assessment is then used to create a risk rating for the hazard. The likelihood and impact values were agreed through the multi-agency Risk Assessment Working Group on behalf of the Surrey Local Resilience Forum as shown in the matrix.

It should be stressed that as part of the hazard assessment process, a number of scenarios have been considered both in respect of the likelihood of them occurring and the economic, environmental, health and social impacts that would result if they happened.

The inclusion of these hazards and scenarios in the register does not mean that the Surrey Local Resilience Forum believes the risk will materialise or that it would be of that scale. They are based upon worst case scenario assumptions and will be used to assist the Surrey Local Resilience Forum in establishing sufficient control measures to mitigate the effect of those hazards. This Community Risk Register will be regularly reviewed and updated as required, with the most current version available from the Surrey County Council website.

This public document displays the risk assessments for non-malicious events rather than for those caused deliberately (such as the threat of terrorism). These threats are being considered but remain a confidential annex to the risk register to prevent their potential use by adversaries.

Should you have any questions about this document, please contact the LRF Business Support Unit via Surrey County Council's Contact Centre on 03456 009 009.



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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
R054	Accidents & System Failures	Major Fire	A major fire in a high-rise building resulting in significant loss of life or injury - for example, in a high-rise residential building, care home or hospital.	High	SLRF Volunteer Sector Capabilities Document. SLRF Emergency Assistance Centre Plan. SLRF Mass Evacuation. SLRF Mass Casualty Plan. Surrey Police Family and Friends Reception Centre Plan. SLRF Identifying & Supporting Vulnerable People in an Emergency Plan (Part 1). SLRF Scientific and Technical Advice Cell (STAC) Plan. SLRF Emergency Response Plan. SLRF Emergency Recovery Protocol. SLRF Major Incident Communications Plan. Category 1 & 2 responders plans and procedures. Building owner legislative compliance and emergency plans.	Surrey Fire and Rescue Service
R054a	Accidents & System Failures	Major Fire - Wildfire	A severe wildfire spreading over an area of 1500 hectares at an urban-rural interface and lasting 7-10 days.	High	SFRS has a Summer Strategy which includes monitoring of the Fire Severity Index, Met Office Forecasts and an increased weight of attack when mobilising to Vegetation fires. SFRS includes proactive comms work and patrols of key risk areas. SFRS have invested in Wildfire assets, as part of the Fire Service Act Sections 13 and 16 arrangements SFRS has Mutual Aid agreements in place with neighbouring Fire and Rescue Services and can call upon NFCC-led wildfire assets and personnel if required. South East England Wildfire Group (Surrey Fire chair). SFRS Wildfire Officers. SFRS specific off-road vehicles and wildfire training. Site operators – emergency procedures.	Surrey Fire and Rescue Service

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
					Organisations to look at their BC Plans (or enact their BC plans) as this is an LRF risk and not individual to SFRS.	
R055	Accidents & System Failures	Fire or explosion at fuel distribution site	Fire or explosion at a fuel distribution site, or at a site storing flammable and/or toxic liquids.	Medium	HSE Legislation/ On-site Business Continuity Plans and legislative requirements. COMAH Offsite Plan. Pipelines Plan.	Surrey Fire and Rescue Service
R056	Accidents & System Failures	Fire or explosion at a gas terminal or storage site	Liquefied gas release is exposed to a source of ignition causing fire or explosion.	Medium	Commercial operators or land/building owners legislative compliance and Business Continuity Plan. HSE legislation. Site operators – emergency procedures. Mass Casualties Plan. SLRF Recovery Plan. Category 1 responders standard procedures. COMAH legislation.	Surrey Fire and Rescue Service
R057	Accidents & System Failures	Explosion at high pressure gas pipeline	Fire or explosion at a gas pipeline following ignition of flammable gas under high pressure.	Medium	There are three declared Major Accident Hazard Pipeline (MAHP) operators in Surrey. HSE Legislation. COMAH Offsite Plan. Pipelines Plan. Major Accident Hazard Pipeline Plan. Pipelines Safety Regulations 1996 (PSR). Category 1 responders standard procedures. Site operators – emergency procedures. SLRF Recovery Plan.	Surrey Fire and Rescue Service
R062	Accidents & System Failures	Accidental release of biological pathogen	A pathogen is inadvertently released from a containment laboratory in an urban area.	Medium	Commercial operators or land/building owners legislative compliance and Business Continuity Plan. HSE legislation. Site operators – emergency procedures. SLRF Emergency Assistance Centre plan. SLRF Mass Casualties Plan. SLRF Recovery Plan.	NHS England

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
					Category 1 responders standard procedures. Notifiable Animal Disease Contingency plans.	
R063	Accidents & System Failures	Accidental release of a biological substance	Inadvertent release of a biological agent caused by an unrelated work Activity.	High	Commercial operators or land/building owners legislative compliance and Business Continuity Plan. HSE legislation. Site operators – emergency procedures. SLRF Mass Casualties Plan. SLRF Recovery Plan. Category 1 responders standard procedures.	UKHSA
R064	Accidents & System Failures	Large toxic gas release	Large toxic chemical release caused by release of chlorine or a number of other chemicals.	Medium	HSE legislation. Site operators emergency plans. Site operators – emergency procedures. SLRF Recovery Plan. DEFRA plans. Environment Agency plans and protocols.	Surrey Fire and Rescue Service
R066	Accidents & System Failures	Radiation release from overseas nuclear accident	Accident at an overseas nuclear waste storage facility with impacts that reach the south coast of the UK.	Low	HSE legislation. Radiation (Emergency Preparedness and Public Information) Regulations 2001 (REPPIR). Site operators legislative compliance and emergency plans. Site operators – emergency procedures. SLRF Recovery Plan. Category 1 responders standard procedures.	NHS England
R068	Accidents & System Failures	Accident involving high consequence dangerous goods	A road or rail tanker containing dangerous goods are involved in an accident leading to a fire/explosion.	Medium	Rail operator safety/maintenance procedures. Network Rail Plans. Health & Safety Executive. Office of Rail Regulation – plans and procedures. The European Agreement concerning the International Carriage of Dangerous Goods by Road. International Carriage of Dangerous Goods by Rail. Hindhead Tunnel emergency plan.	Surrey Fire and Rescue Service

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
					Highways Agency Operational Plans and Procedures. SLRF Prolonged Static Traffic Plan. SLRF Recovery Plan.	
R069	Accidents & System Failures	Food supply contamination	A major contamination incident involving a microbiological pathogen in the food chain.	High	Food Standards Agency: Guidance documents – National and Local. Syndromic Surveillance (UKHSA). Inspection and Sampling arrangements. Category 1 responder plans and procedures. UKHSA Outbreak plan.	UKHSA
R070	Accidents & System Failures	Radiation exposure from stolen goods	Incorrect handling of a stolen radioactive source leads to accidental exposure to radioactive material.	Medium	HSE legislation. Radiation (Emergency Preparedness and Public Information) Regulations 2001 (REPIR). Site operators legislative compliance and emergency plans. Site operators – emergency procedures. SLRF Recovery Plan.	South East Coast Ambulance
R071	Accidents & System Failures	Aviation Crash	A crash between two commercial aircraft.	High	Significant time may be required for the area affected to recover, especially given the potential for debris, extensive fire damage and contamination issues due to spilt aviation fuel. CAA regulations. Flight operators maintenance and operating procedures. Commercial operators or landowners legislative compliance. Flight operators – emergency procedures. SLRF Recovery Plan. CAA – emergency procedures/powers. Category 2 responder plans and procedures. Category 1 responder standard procedures.	Surrey Police

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
R072	Accidents & System Failures	Collapse of a major government contractor	Collapse of a major contractor integral to the provision of key public services and construction of critical UK infrastructure.	Medium	Category 1 & 2 responder Business Continuity plans.	Surrey County Council
R073	Accidents & System Failures	Major Social Care Provider Failure	Adult Social Care provider due to insolvency or a provider handing back their contract to a local authority.	Medium	Category 1 & 2 responder Business Continuity plans.	Surrey County Council
R074	Accidents & System Failures	Reservoir / Dam Collapse	A reservoir or dam collapse without warning resulting in almost instantaneous flooding.	Medium	Environment Agency adopts a Reservoir Safety Enforcement role in line with the Reservoirs Act 1975. This ensures that the reservoir owners appoint a Supervising Engineer who commission regular inspections by an Inspecting Engineer. Schedule 4 of the Floods and Water Management Act has made a number of improvements to the Reservoirs Act 1975 such as: Reservoir Act Offences are now strict liability criminal offences. Inspecting engineers must include both the period for making any recommended safety measures and a status update on any previously recommended safety measures in their report. The recommendations are legally enforceable. Supervising engineers must provide a written statement every 12 months to the reservoir owner or operator on steps needed to maintain it. SLRF Recovery Plan. SLRF Temporary Mortuary Plan. SLRF Mass Casualties Plan. Site Specific Off Site Reservoir Inundation Plan.	Environment Agency

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
					<p>Generic Off Site Reservoir Inundation Plan. Site operators – emergency procedures (Onsite Reservoir Plans).</p> <p>Every large, raised reservoir (capacity above 25,000 m3) has reservoir outline flood maps publicly available on the Environment Agency’s website. Detailed Reservoir Flood Maps are available to Category 1 Responders for all large, raised reservoir (capacity above 25,000 m3). These maps provide an indication of the areas that could be affected by reservoir flooding and together with local knowledge they should be used to plan for emergency response. The maps should be used to prioritise areas for evacuation/early warning and to help produce onsite and offsite plans.</p>	
R075	Accidents & System Failures	Water infrastructure failure or loss of drinking water	Failure of water infrastructure or loss of drinking water caused by the complete and relatively sudden loss of piped water supply or the degradation of the piped supply such that it is unfit for human consumption even after boiling.	Medium	<p>SLRF Emergency Assistance Centre plan</p> <p>Water Company - Contingency arrangements - supply restoration and interim water supply.</p> <p>Contingency plans for key sites and vulnerable customers.</p> <p>Category 1 and 2 responder standard procedures and Business Continuity plans.</p>	Water Companies
R076	Accidents & System Failures	Failure of the national electricity transmission system	A total national blackout due to the loss of the GB national electricity transmission system.	Very High	<p>The electricity industry has robust, well-developed and resilient “Black Start” plans to recover the electricity network from a complete failure.</p> <p>The UK electricity network is effectively self-contained and is not affected by electrical interconnections to Europe or other networks.</p> <p>Distribution Network Operators.</p>	Surrey County Council



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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
					SLRF C4 Plan. Category 1 & 2 responders plans and procedures. System Emergency Plan. Emergency Communication Plan Black Start Stations.	
R077	Accidents & System Failures	Gas Supply Failure	A technical failure or accident in an upstream oil/gas facility, gas import pipeline terminal, or Liquefied Natural Gas (LNG) import reception facility leading to disruption in UK gas supplies.	Medium	National Emergency Plan for Fuel. Local Oil/Chemical Spill Response Plan.	Surrey County Council
R078	Accidents & System Failures	Disruption or loss of telecommunication systems	Loss of fixed and mobile telecommunications (voice and internet access) for up to 72 hours.	Medium	Telecommunication companies contingency plans. SLRF C4 Plan.	Surrey Police
R082	Natural Hazards	Fluvial Flooding	A large-scale river flood event or series of concurrent events across multiple geographic regions following a sustained period of heavy rainfall.	Very High	The Environment Agency's Flood Warning Service provides flood warnings for coastal and fluvial flooding to registered members of the public, professional partners and the media. These flood warnings are issued based on information on catchment and coastal conditions and weather forecasts. The EA have a network of river and rain gauges used to obtain information about current conditions. Permanent & Temporary flood defences. Property Level protection in the highest risk areas. Temporary Flood Defences e.g. Sandbag walls and flood barriers, and submersible pumps can be deployed during times of flooding.	Environment Agency

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
					<p>SLRF Plans - Each borough/district have their own Multi Agency Flood Plan in addition to a county level plan.</p> <p>SLRF Recovery Plan.</p> <p>Adverse Weather Plan.</p> <p>EA Incident management process and procedures.</p> <p>EA 24/7 Incident response and area incident rooms.</p> <p>SLRF Mass Evacuation Plan.</p> <p>Major flood protocol for the River Thames from Maidenhead to Teddington.</p> <p>Major Incident Communications Plan.</p> <p>Community Response Groups.</p>	
R083	Natural Hazards	Surface Water Flooding	Surface water flooding in a large metropolitan area caused by a warm unstable atmosphere.	High	<p>Permanent Flood Defences.</p> <p>Property Level protection in the highest risk areas.</p> <p>Temporary Flood Defences e.g. Sandbag walls and flood barriers, and submersible pumps can be deployed during times of flooding.</p> <p>SLRF Plans - Each borough/district have their own Multi Agency Flood Plan in addition to a county level plan.</p> <p>SLRF Recovery Plan.</p> <p>SLRF Adverse Weather Plan.</p> <p>SLRF Mass Evacuation Plan.</p> <p>SLRF Major Incident Communications Plan.</p> <p>Community Response Groups.</p>	Surrey County Council
R084	Natural Hazards	Drought	Drought as a result of a lack of rainfall over several years, leading to water shortages.	High	<p>Legislative restrictions on water usage.</p> <p>SLRF Drought Plan.</p> <p>Environment Agency Drought Plan.</p> <p>Water Company drought plans.</p> <p>Category 1 responder plans and procedures.</p>	Environment Agency

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
					<p>Monthly water situation reports and weekly rainfall and river flow reports for England are available online at <a href="#">Water situation reports for England</a></p> <p>Monthly local reports on rainfall, soil moisture deficit, river flows, groundwater levels and reservoir levels are available online at <a href="#">Water situation: area monthly reports for England 2022</a></p>	
R087	Natural Hazards	Volcanic Eruption	Volcanic ash incursions for up to 25 days resulting in sporadic and temporary closures of significant parts of UK air space.	Medium	<p>Met Office monitoring.</p> <p>Health Service mutual aid arrangements.</p> <p>Airport Business Continuity plans.</p> <p>SLRF Adverse Weather plan.</p>	Met Office
R090	Natural Hazards	Heatwave	Daily maximum temperatures in excess of 20 degrees and minimum temperatures in excess of 15 degrees over a large region of the U.K. for at least 2 weeks.	High	<p>Met Office monitoring.</p> <p>Heatwave plans: implementation of Level 2 Alert and Readiness actions by health organisations from the start of the heatwave period before a Level 2 declaration is issued.</p> <p>Public information/warning and informing by NHS England, UKHSA and Surrey County Council Public Health.</p> <p>NHS England / UKHSA Heatwave plan for England &amp; Heat-Health Watch Alerts.</p> <p>SLRF Adverse Weather plan.</p> <p>SLRF Excess Deaths plan.</p> <p>SLRF Mass Casualty plan.</p>	NHS England
R091	Natural Hazards	Low temperatures and heavy snow	Multiple regions of the UK subject to low temperatures and snow.	Very High	<p>Met Office monitoring.</p> <p>NHS England / UKHSA Cold Weather plan for England &amp; Cold Weather Alerts.</p>	Met Office

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
					Category 1 responder Business Continuity plans SCC Winter Maintenance Plan (Surrey Priority road network strategy). Highways Agency Winter plans. The use of voluntary organisations (Surrey4x4 response group; British Red Cross) are activated as part of some agencies Business Continuity plans. SLRF Adverse Weather plan. Increased communication to SLRF partners on gritting schedules and locations of salt bins; school closures; updating via social media methods. SLRF Excess Deaths plan.	
R092	Natural Hazards	Severe space weather	Disruption to the electricity grid, resulting in two rural/coastal sub-station disconnections each effecting approx. 100,000 people with loss of power/rota disconnections for one month.	Very High	Business continuity plans. Met Office Monitoring. SLRF Telecommunications plan.	Surrey County Council
R093	Natural Hazards	Storms	Storm force winds affecting multiple regions for at least 6 hours during a working day.	High	Category 1 & 2 business continuity plans. Met Office monitoring. SLRF Adverse Weather plan. SLRF Recovery plan. Business Continuity plans.	Met Office
R094	Natural Hazards	Earthquake (UK)	Earthquake activity that results in ground shaking with an intensity of 7 or above on the European Macroseismic Scale (EMS) that causes	Medium	British Geological Survey Information. SLRF Recovery Plan. Category 1 responders standard procedures. SLRF Major Incident Communications plan.	Districts & Boroughs

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
			damage to buildings and infrastructure.			
R095	Human & Animal Disease	Influenza type disease	A worldwide outbreak of influenza occurs when a novel flu virus emerges with sustained human to human transmission.	Very High	<p>Plans introduced since 2012 are more flexible and recognise the impact of events such as that experienced in 2009-10. National arrangements have been developed since 2009 with a new National Pandemic Flu Service, a medium-term commitment to maintaining UK anti-viral stocks, and a standing contract for the production of vaccines.</p> <p>Syndromic Surveillance UKHSA.</p> <p>On-going Public awareness campaign e.g. 'Catch it, Bin it, Kill it', 'Hand Hygiene' etc.</p> <p>Mass vaccination and antiviral distribution and delivery frameworks.</p> <p>Vaccination centre plans.</p> <p>SLRF Pandemic Influenza plan.</p> <p>Cabinet Office Preparing for Pandemic Flu Guidance.</p> <p>Surrey LHRP Strategic Pandemic Influenza plan.</p> <p>SLRF Major Incident Communications plan.</p> <p>SLRF Excess Deaths plan.</p> <p>STAC activation plan.</p> <p>SLRF Fuel Plan.</p> <p>Cat 1 and 2 responders specific business continuity plans.</p> <p>Cat 1 and 2 responders specific pandemic influenza response plans.</p> <p>External providers business continuity plans.</p> <p>WHO Global Influenza Programme.</p> <p>DH UK Influenza Pandemic Preparedness Strategy 2011.</p>	UKHSA

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
					UKHSA Pandemic influenza response plan and strategic framework. NHS England operating framework for managing the response to pandemic influenza.	
R097	Human & Animal Disease	Emerging infectious disease	An outbreak originating outside of the UK with cases occurring amongst returning travellers and their close contacts.	Very High	Syndromic Surveillance (UKHSA). DH Communications Strategy and public awareness campaigns. Port Health controls and international travel regulations. SLRF Major Incident Communications plan. SLRF Identifying Vulnerable People in an Emergency plan. Supporting Vulnerable People in situ protocol. SLRF Excess Deaths plan. STAC activation plan. Kent Surrey Sussex Public Health England Centre Outbreak/Incident Control Plan. Cat 1 and 2 responders specific business continuity plans. Cat 1 and 2 responders specific response plans. External providers business continuity plans. WHO Global Alert and Response (GAR). UKHSA MERS-CoV guidance.	UKHSA
R098	Human & Animal Disease	Major outbreak of animal disease	A major outbreak of an exotic notifiable disease in animals (including birds).	Medium	Local Authorities Coordinators of Regulatory Services. LACORS Generic Notifiable Animal Disease Contingency. Plan Template for Local Authorities. Specified Animal Pathogens Order 1998. Control of Substances Hazardous to Health Regulations 2002 (COSHH). Genetically Modified Organisms (Contained Use)	Surrey County Council

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
					<p>Regulations 2000.                      DEFRA: Exotic Animal Disease Generic Contingency Plan.                      Quarantine and Movement licensing.                      AHVLA national and regional contingency plans.                      Trading Standards – South East Animal Disease Plan.                      Local and County FMD plans.                      Contingency Plans of other supporting Operational Partners e.g., Environment Agency, Police.                      SLRF Pandemic Influenza Plan.                      UKHSA Outbreak plan.                      Category 1 responder plans and procedures.</p>	
R099	Societal	Industrial Action (Firefighters)	A national fire strike in England for a continuous 8-day period with loss of life directly attributable to a weakened response by individual fire and rescue services, and reputational impact on the Government.	Medium	<p>Category 1 &amp; 2 responder business continuity plans.                      SFRS Concept of Operations for Industrial Action.                      SFRS Standard Operating procedures.</p>	Surrey Fire and Rescue Service
R100	Societal	Industrial action (prison officers)	A single unofficial strike by prison officers nationally, lasting more than 24 hours and resulting in the majority of prison officers not reporting for duty, leading to a serious shortfall in the number of personnel available to	Medium	<p>Category 1 &amp; 2 responder business continuity plans.</p>	Surrey Police

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Reference	Category	Risk Description	Overview of Risk	Risk Rating	Mitigation and Preparedness	Lead Agency
			operate and maintain control of prisons.			
R101	Societal	Industrial action (public transport)	Strike action by key rail or London Underground staff (e.g., signallers) resulting in the total shutdown of very significant amounts of the national rail network or about ¾ of the London Underground network.	Low	Category 1 & 2 responder business continuity plans.	British Transport Police
R102	Societal	Industrial Action (fuel supply)	Actual or threatened significant disruption to the distribution of fuel by road, including as a result of industrial action by fuel tanker drivers.	Medium	National Fuel Emergency Plan. Category 1 & 2 responder business continuity plans. SLRF Fuel Plan.	Surrey Police
R104	Societal	Public Disorder	Large scale public disorder at site(s) in a single city, or multiple cities, occurring concurrently over several days.	High	The numbers of Public Order resources maintained by Surrey Police is monitored and maintained by the Strategic Governance Group. This level is re-assessed twice yearly, based on projected operational demand.	Surrey Police
R105	Societal	Influx of British Nationals	Influx of destitute/vulnerable British Nationals who are not normally resident in the UK and cannot be accommodated by family/friends.	Medium	There are a sizeable number living in less stable countries or countries vulnerable to significant natural hazards. In the event that UK Nationals have to evacuate temporarily or permanently, a number of these are likely to travel to the UK. Community Impact Assessments. Airport Business Continuity plans.	Surrey County Council



## Glossary

**CBRN** – Chemical, Biological, Radiological, Nuclear

**COMAH** – Control of Major Accident Hazard

**DEFRA** – Department for Environment, Food & Rural Affairs

**EA** – Environment Agency

**EAC** – Emergency Assistance Centre

**HSE** – Health and Safety Executive

**NHS** – National Health Service

**UKHSA** - UK Health Security Agency

**SLRF** – Surrey Local Resilience Forum. A multi-agency group consisting of Category 1 responders (Police, Fire, Ambulance, County and District Councils, NHS England, Public Health England) and Category 2 responses (utility companies, transport companies).

**SLRF plans** - Generic plans created to mitigate the effects of an emergency within Surrey. These include plans for dealing with adverse weather, pipelines, transportation gridlock, fuel shortage, communicating with the public, major and CBRN incidents, etc. The plans may be created on a County or District basis.

**SERP** – Surrey Emergency Response Plan

**SRP** – Surrey Recovery Protocol

**STAC** – Scientific and Technical Advisory Cell

**SFRS** – Surrey Fire and Rescue Service

## Definition of Risk

**Very High** - These are classed as primary or critical risks requiring immediate attention. They may have a high or low likelihood of occurrence, but their potential consequences are such that they must be treated as a high priority. This may mean that strategies should be developed to reduce or eliminate the risks, but also that mitigation in the form of (multi-agency) planning, exercising and training for these hazards should be put in place and the risk monitored on a regular frequency. Consideration should be given to planning being specific to the risk rather than generic.

**High** - These risks are classed as significant. They may have a high or low likelihood of occurrence, but their potential consequences are sufficiently serious to warrant appropriate consideration after those risks classed as 'very high'. Consideration should be given to the development of strategies to reduce or eliminate the risks, but also mitigation in the form of at least (multi-agency) generic planning, exercising and training should be put in place. The risk should also be monitored on a regular frequency.

**Medium** - These risks are less significant but may cause disruption and inconvenience in the short term. These risks should be monitored to ensure that they are being appropriately managed under generic emergency planning arrangements.

**Low** - These risks are both unlikely to occur and not significant in their impact. They should be managed using normal or generic planning arrangements and require minimal monitoring and control unless subsequent risk assessments show a substantial change, prompting a move to another risk category.

## Exclusions Table

The table below is the Surrey Community Risk Register Exclusions Table. The risks listed in this table have been identified as not pertinent to the County of Surrey. The risks that have been excluded and the collective reasoning behind their exclusion are included in the table.

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National Risk Reference	Category	Risk Description	Overview of Risk	Summary of reasons for Exclusion
R058	Accident	Fuel Supply Infrastructure (installations)	Accident at an oil refinery leading to a fire or explosion.	No risk of this type in the SLRF area
R059	Accident	Offshore Gas/Oil Platform	Ignition of hydrocarbon release causing fire and explosion on an offshore oil/gas installation with a staffing level of ~120.	No risk of this type in the SLRF area
R060	Accident	Chemical Supply Infrastructure (pipelines)	Fire or explosion at an onshore ethylene gas pipeline following the ignition of flammable gas under high pressure.	No risk of this type in the SLRF area
R067	HAZMAT	Maritime Pollution	A large fully laden oil super tanker sinks in the approach to a port leading to the spillage of 100,000 tonnes of crude oil into the sea polluting up to 200km of coastline.	No risk of this type in the SLRF area
R080	Infrastructure/ System Failure	Finance/Banking	A technological failure affecting one of the largest major UK retail banking groups, which renders a significant portion of its retail IT inoperable.	No risk of this type in the SLRF area
R081	Natural Hazard	Coastal Flooding	Combination of natural high tides and major sea surge and significant onshore waves caused by a severe low-pressure system leads to severe coastal flooding, predominantly on the East coast from Aberdeen to Dover.	No risk of this type in the SLRF area
R085	Natural Hazard	Poor air quality	Poor air quality event with high pollution concentrations	No risk of this severity in the SLRF area