

# Community Risk Register

**Hazard Category:** Industrial Accidents / Environmental Pollution

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H2 Fire or explosion at an onshore ethylene gas pipeline</b></p> <p><b>Outcome Description</b> Up To 3 Km Around Site. Up To. 500 Fatalities. 1500 Casualties.</p>	1	2	Med	<p>CLRF Emergency Response Manual</p> <p>CLRF Rest Centre Plan</p> <p>CLRF Mass fatalities Plan</p> <p>CLRF Media Plan</p> <p>Major accident hazard pipeline plan (MAHP) .</p> <p>CLRF Crisis Support Plans</p> <p>CLRF Humanitarian Assistance Centre Plan</p> <p>CLRF Recovery Plan</p> <p>Police Operational Procedures</p> <p>Local Authority Emergency Plans</p> <p>Fire Service Cloudburst Procedures</p> <p>Fire Service Urban Search &amp; Rescue Procedures</p> <p>North West Ambulance Service Major Incident Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>Primary Care Trust Major Incident Plans</p> <p>Health Protection Agency Major Incident Plan</p> <p>Government Decontamination Service support procedures.</p> <p>Environment Agency Major Incident Procedures</p> <p>Casualty Bureau procedures</p>

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	<p><b>HL25 Fire Or Explosion at a gas terminal as well as LPG, LNG, and other gas onshore feedstock pipeline and flammable gas storage sites.</b></p> <p><b>Outcome Description</b></p> <p>Up to 1km around site, causing up to 50 fatalities and 150 casualties.</p>	1	2	Low	<p>CLRF Emergency Response Manual</p> <p>COMAH On and Off site plans</p> <p>CLRF Rest Centre Plan</p> <p>CLRF Mass fatalities Plan</p> <p>CLRF Media Plan</p> <p>CLRF Crisis Support Plans</p> <p>CLRF Humanitarian Assistance Centre Plan</p> <p>CLRF Recovery Plan</p> <p>Police Operational Procedures</p> <p>Local Authority Emergency Plans</p> <p>Fire Service Cloudburst Procedures</p> <p>Fire Service Urban Search &amp; Rescue Procedures</p> <p>North West Ambulance Service Major Incident Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>Primary Care Trust Major Incident Plans</p> <p>Health Protection Agency Major Incident Plan</p> <p>Government Decontamination Service support procedures.</p> <p>Environment Agency Major Incident Procedures</p> <p>Casualty Bureau procedures</p>

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	<p><b>H3 Fire Or Explosion At An Oil Refinery</b></p> <p><b>Outcome Description</b> Up to 3km around site causing up to 500 fatalities and 1500 casualties. Depending on the location and size of the release, the fire could burn for several days.</p>	1	3	Low	<p>CLRF Emergency Response Manual</p> <p>COMAH On and Off site plans</p> <p>CLRF Rest Centre Plan</p> <p>CLRF Mass fatalities Plan</p> <p>CLRF Media Plan</p> <p>CLRF Crisis Support Plans</p> <p>CLRF Humanitarian Assistance Centre Plan</p> <p>CLRF Recovery Plan</p> <p>National Emergency Plan for Fuel</p> <p>Police Operational Procedures</p> <p>Local Authority Emergency Plans</p> <p>Fire Service Cloudburst Procedures</p> <p>Fire Service Urban Search &amp; Rescue Procedures</p> <p>North West Ambulance Service Major Incident Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>Primary Care Trust Major Incident Plans</p> <p>Health Protection Agency Major Incident Plan</p> <p>Government Decontamination Service support procedures.</p> <p>Environment Agency Major Incident Procedures</p> <p>Casualty Bureau procedures</p>

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	<p><b>H4 Fire or explosion at a fuel distribution site or tank storage of flammable or toxic liquids in atmospheric pressure storage tanks</b></p> <p><b>Outcome Description</b></p> <p>Up To 3 Km Around The Site. Up To 150 Fatalities. 2000 Casualties.</p>	2	3	Low	<p>CLRF Emergency Response Manual</p> <p>COMAH On and Off site plans</p> <p>CLRF Rest Centre Plan</p> <p>CLRF Mass fatalities Plan</p> <p>CLRF Media Plan</p> <p>CLRF Crisis Support Plans</p> <p>CLRF Humanitarian Assistance Centre Plan</p> <p>CLRF Recovery Plan</p> <p>Police Operational Procedures</p> <p>Local Authority Emergency Plans</p> <p>Fire Service Cloudburst Procedures</p> <p>Fire Service Urban Search &amp; Rescue Procedures</p> <p>North West Ambulance Service Major Incident Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>Primary Care Trust Major Incident Plans</p> <p>Health Protection Agency Major Incident Plan</p> <p>Government Decontamination Service support procedures.</p> <p>Environment Agency Major Incident Procedures</p> <p>Casualty Bureau procedures</p>

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	<p><b>H5 Fire Or Explosion At An Onshore Fuel Pipeline</b></p> <p><b>Outcome Description</b> Up To 1 Km Around The Site. Up To 100 Fatalities. 500 Casualties.</p>	1	2	Med	<p>CLRF Emergency Response Manual</p> <p>CLRF Rest Centre Plan</p> <p>CLRF Mass fatalities Plan</p> <p>CLRF Media Plan</p> <p>CLRF Crisis Support Plans</p> <p>CLRF Humanitarian Assistance Centre Plan</p> <p>CLRF Recovery Plan</p> <p>Police Operational Procedures</p> <p>Local Authority Emergency Plans</p> <p>Fire Service Cloudburst Procedures</p> <p>Fire Service Urban Search &amp; Rescue Procedures</p> <p>North West Ambulance Service major Incident Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>Primary Care Trust Major Incident Plans</p> <p>Health Protection Agency Major Incident Plan</p> <p>Government Decontamination Service support procedures.</p> <p>Environment Agency Major Incident Procedures</p> <p>Casualty Bureau procedures</p> <p>Individual Operator plans</p>

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	<p><b>H7 Explosion at a high pressure Natural Gas Pipeline (Non-MAHP)</b></p> <p><b>Outcome Description</b> Local to site causing up to 200 fatalities and up to 200 casualties</p>	1	2	Low	<p>CLRF Emergency Response Manual</p> <p>CLRF Rest Centre Plan</p> <p>CLRF Mass fatalities Plan</p> <p>CLRF Media Plan</p> <p>CLRF Crisis Support Plans</p> <p>CLRF Humanitarian Assistance Centre Plan</p> <p>CLRF Recovery Plan</p> <p>Police Operational Procedures</p> <p>Local Authority Emergency Plans</p> <p>Fire Service Cloudburst Procedures</p> <p>Fire Service Urban Search &amp; Rescue Procedures</p> <p>North West Ambulance Service major Incident Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>Primary Care Trust Major Incident Plans</p> <p>Health Protection Agency Major Incident Plan</p> <p>Government Decontamination Service support procedures.</p> <p>Environment Agency Major Incident Procedures</p> <p>Casualty Bureau procedures</p>

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	<p><b>H8 Very large toxic chemical release</b></p> <p><b>Outcome Description</b>                      Up to 10km from site causing up to 2000 fatalities and 10000 casualties. Toxic release could be due to loss of containment of chlorine – or of a number of other chemicals, e.g. anhydrous hydrofluoric acid, refrigerated ammonia, sulphur di-oxide (or tri-oxide) gas.</p>	2	4	Low	CLRF Emergency Response Manual COMAH On and Off site plans CLRF Rest Centre Plan CLRF Mass fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational Procedures Local Authority Emergency Plans Fire Service Cloudburst Procedures Fire Service Urban Search & Rescue Procedures North West Ambulance Service major Incident Plan Receiving Hospitals Major Incident Plans Primary Care Trust Major Incident Plans Health Protection Agency Major Incident Plan Government Decontamination Service support procedures. Environment Agency Major Incident Procedures Casualty Bureau procedures

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Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<b>H9 Large toxic chemical release</b>  <b>Outcome Description</b> Up to 3km from site causing up to 50 fatalities and up to 2000 casualties.	3	3	Low	CLRF Emergency Response Manual COMAH On and Off site plans CLRF Rest Centre Plan CLRF Mass fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational Procedures Local Authority Emergency Plans Fire Service Cloudburst Procedures Fire Service Urban Search & Rescue Procedures North West Ambulance Service major Incident Plan Receiving Hospitals Major Incident Plans Primary Care Trust Major Incident Plans Health Protection Agency Major Incident Plan Government Decontamination Service support procedures. Environment Agency Major Incident Procedures Casualty Bureau procedures

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	<p><b>HL3 Localised industrial accident involving small toxic release (Non-</b></p> <p><b>Outcome Description</b> Up To 1 Km From Site, Up To. 10 Fatalities. 100 Casualties</p>	3	1	Low	<p>CLRF Emergency Response Manual</p> <p>CLRF Rest Centre Plan</p> <p>CLRF Mass fatalities Plan</p> <p>CLRF Media Plan</p> <p>CLRF Crisis Support Plans</p> <p>CLRF Humanitarian Assistance Centre Plan</p> <p>CLRF Recovery Plan</p> <p>Police Operational Procedures</p> <p>Local Authority Emergency Plans</p> <p>Fire Service Cloudburst Procedures</p> <p>Fire Service Urban Search &amp; Rescue Procedures</p> <p>North West Ambulance Service major Incident Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>Primary Care Trust Major Incident Plans</p> <p>Health Protection Agency Major Incident Plan</p> <p>Government Decontamination Service support procedures.</p> <p>Environment Agency Major Incident Procedures</p> <p>Casualty Bureau procedures</p>

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	<p><b>HL31 Limited radioactive substance release from a nuclear accident</b></p> <p><b>Outcome Description</b> Up to 1 km from site causing up to 50 fatalities and 500 casualties</p>	1	2	Low	<p>CLRF Emergency Response Manual.                      CLRF Rest Centre plans.                      CLRF Mass fatalities Plan                      CLRF Media plan                      CLRF Crisis support plan                      CLRF Humanitarian Assistance Centre Plan                      CLRF Recovery Plan                      Nuclear Establishment Site Specific on and Off Site Plans                      Police Operations Procedures                      Local Authorities emergency plans                      Fire service USAR Plans                      North West Ambulance Service Major incident plan                      Receiving Hospitals Major Incident Plans                      Primary Care Trusts Major Incident Plans                      HPA Major Incident Plan                      Government Decontamination Service Support Procedures                      Environment Agency Major Incident Procedures                      REPIR                      Nuclear Regulations                      Nair,                      Radsafe Schemes.                      NII,</p>

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	<p><b>H11 Accidental release of radioactive material from incorrectly handled or disposed of sources</b></p> <p><b>Outcome Description</b></p> <p>Up to 5 fatalities and 100 contaminated people requiring medical monitoring. Many worried people may present at hospitals. Radiation may be spread over several km but most concentration where source is opened.</p>	1	3	Low	<p>CLRF Emergency Response Manual                      CLRF Rest Centre plans.                      CLRF Media plan                      CLRF Crisis support plan                      CLRF Humanitarian Assistance Centre Plans                      CLRF Recovery Plan                      Police operational procedures</p> <p>Local Authorities emergency plans                      Fire service USAR Procedures                      NW Ambulance service major incident plan                      Receiving hospitals major incident plan                      Primary care Trusts Major Incident Plan                      HPA Major Incident Plan                      GDS Support Procedures                      Casualty Bureau Procedures                      REPPIR                      Nair,                      Radsafe Schemes.                      NII,</p>

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	<p><b>H14 Major Contamination Incident With Widespread Implications For Food Chain.</b></p> <p><b>Outcome Description</b>                      Food production/ marketing implications depending on scale and area affected e.g. major shellfisheries, dairy, livestock production areas. Potential direct animal and consumer health effects. Consumer confidence affected leading to lost markets or panic buying.</p>	3	3	Low	CLRF Generic Emergency Response Manual CLRF Mass Fatalities Plan Regional Mass Casualties Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan DEFRA/FSA procedures Casualty Bureau Procedures

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	<p><b>H15 Maritime Pollution</b></p> <p><b>Outcome Description</b>                      Spillage Of 100k Tonnes Crude. 200 Km Of Coastline Affecting Amenities, Agriculture, Commerce, Aquatic Ecosystem</p>	1	3	low	CLRF Generic Emergency Response Manual CLRF Media Plan CLRF Crisis Support Plans CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans Receiving Hospitals Major Incident Plan PCT Major Incident Plans HPA Major Incident Plan Environment Agency Major Incident Procedures Maritime & Coastguard Oil Pollution Plan National & International Regulations re Shipping, Construction, operation ,crewing and equipment National Contingency Plan for Marine Pollution

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	<p><b>HL4 Major Pollution of controlled waters</b></p> <p><b>Outcome Description</b>                      Pollution incident impacting upon controlled waters, (for example, could be caused by chemical spillage or release of untreated sewage) leading to persistent and/or extensive effect on water quality, major damage to aquatic ecosystems, closure of potable abstraction point(s), major impact on amenity (i.e. tourism) value, serious impact on human health.</p>	5	3	low	CLRF Emergency Response Manual CLRF Media Plan CLRF Crisis Support Plans CLRF Recovery Plan Police Operational Procedures Local Authority Emergency Plans NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Casualty Bureau Procedures Water Companies Plans Manchester Ship Canal Plan British Waterways Port Health Plans and Procedures DEFRA procedures

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	<p><b>HL7 Industrial explosions and major fires</b></p> <p><b>Outcome Description</b>                      Up to 1km around site, causing up to 20 casualties.                      Explosions would cause primarily crush / cuts and bruise-type injuries, as well as burns.</p>	2	1	Low	COMAH On site and Off site plans where applicable CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans Fire Service cloudburst Procedures USAR procedures NWAS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan GDS support procedures Environment Agency Major Incident Procedures Casualty Bureau Procedures Utility Company Plans

**Hazard Category: Transport Accidents**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL8 Fire, flooding, stranding or collision involving a passenger vessel in or close to UK waters or on inland waterways, leading to the ship's evacuation.</b></p> <p><b>Outcome Description</b></p> <p>Up To 50 Fatalities. 100 Casualties.</p>	1	3	low	<p>Manchester Ship Canal Plan            CLRF Generic Emergency Response Manual            CLRF Rest Centre Plan            CLRF Mass Fatalities Plan            CLRF Media Plan            CLRF Crisis Support Plans            CLRF Humanitarian Assistance Centre plan            CLRF Recovery Plan</p> <p>Police Operational procedures            Local Authority Emergency Plans            USAR Procedures            NNAS Major Incident Plan            Receiving Hospitals Major Incident Plans            PCT Major Incident Plan            HPA Major Incident Plan            Environment Agency Major Incident Procedures            Casualty Bureau Procedures            Mass Casualties Plan            Casualty bureau</p>

**Hazard Category: Transport Accidents**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H16 Aviation Accident Over semi urban area</b></p> <p><b>Outcome Description</b>                      Loss of up to two aircraft and passengers, with debris over a semi-urban area. Up to 600 fatalities and up to 300 casualties.</p>	1	5	low	CLRF Generic Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Mass Casualties Plan Police Operational procedures Local Authority Emergency Plans Fire Service Procedures USAR procedures NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan GDS support procedures Environment Agency Major Incident Procedures Casualty Bureau Procedures Civil Aviation Authority Plans Air Accident Investigation Branch Procedures Military Procedures Individual airport plans

**Hazard Category: Transport Accidents**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<b>HL9 Aviation Accident</b>  <b>Outcome Description</b> Up To 50 Fatalities. 250 Casualties	1	4	low	CLRF Generic Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans Fire Service cloudburst Procedures USAR procedures NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan GDS support procedures Environment Agency Major Incident Procedures Casualty Bureau Procedure CAA Plans Air Accident Investigation Branch Procedures Individual airport plans

**Hazard Category: Transport Accidents**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL10 Local accident on motorways and major trunk roads</b></p> <p><b>Outcome Description</b>                      Multiple vehicle incident causing up to 10 fatalities and up to 20 casualties (internal injuries, fractures, possible burns); closure of lanes or carriageways causing major disruption and delays.</p>	2	4	low	CLRF Generic Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Highways agency procedures Police Operational procedures Local Authority Emergency Plans Fire Service mobile cloudburst procedures Fire Service Motorway procedures USAR procedures NWAS Major Incident Plan Lead PCT Activation Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan GDS support procedures Environment Agency Major Incident Procedures Casualty Bureau Procedures Military Response Highways Agency Welfare Plans

**Hazard Category: Transport Accidents**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL11Railway Accident</b></p> <p><b>Outcome Description</b> Up To 30 Fatalities. 100 Casualties. Loss Of Freight. Major disruption to rail line including possible closure of rail tunnel</p>	1	4	low	<p>CLRF Emergency Response Manual</p> <p>CLRF Rest Centre Plan</p> <p>CLRF Mass Fatalities Plan</p> <p>CLRF Media Plan</p> <p>CLRF Crisis Support Plans</p> <p>CLRF Humanitarian Assistance Centre Plan</p> <p>CLRF Recovery Plan</p> <p>Police Operational procedures</p> <p>Local Authority Emergency Plans</p> <p>Fire Service mobile cloudburst procedures</p> <p>USAR procedures</p> <p>NWAS Major Incident Plan</p> <p>Lead PCT Activation Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>PCT Major Incident Plan</p> <p>HPA Major Incident Plan</p> <p>Environment Agency Major Incident Procedures</p> <p>Casualty Bureau Procedures</p> <p>Train Operating Company Plans</p> <p>British Transport Police Operational plans</p>

**Hazard Category: Transport Accidents**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL12 Local accident involving transport of hazardous chemicals</b></p> <p><b>Outcome Description</b>            Up to 50 fatalities and up to 500 casualties (direct injuries from the accident would be similar to road or rail accidents; indirect casualties are possible, if substance covers wide area). The extent of the impact would depend on substance involved, quantity, nature and location of accident. The assumption is based on phosgene/ chlorine</p>	4	3	low	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans Fire Service mobile cloudburst procedures USAR procedures NWS Major Incident Plan Lead PCT activation plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan GDS support procedures Environment Agency Major Incident Procedures Casualty Bureau Procedures Organisational operational procedures British Transport Police Procedures

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	<p><b>HL13 Maritime accident or deliberate blockade resulting in blockage of access to key port, estuary, maritime route for more than one month.</b></p> <p><b>Outcome Description</b></p> <p>Loss of port is likely to have an initial wider impact, but will quickly reduce as shippers seek alternative ports or methods of shipping. Economic impact on local dependent businesses.</p>	1	3	low	<p>CLRF Emergency Response Manual            CLRF Rest Centre Plan            CLRF Mass Fatalities Plan            CLRF Media Plan            CLRF Crisis Support Plans            CLRF Humanitarian Assistance Centre Plan            CLRF Recovery Plan            Police Operational procedures            Local Authority Emergency Plans            Fire Service cloudburst Procedures            USAR procedures</p> <p>NWAS Major Incident Plan            Lead PCT Activation Plan            Receiving Hospitals Major Incident Plans            PCT Major Incident Plan            HPA Major Incident Plan            GDS support procedures            Environment Agency Major Incident Procedures            Casualty Bureau Procedures            MCA Procedures            Manchester Ship Canal Plan            Individual Vessel/Operator Plans for accidents</p>

**Hazard Category: Transport Accidents**

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	<p><b>HL14 Local (road) accident involving transport of fuel/explosives</b></p> <p><b>Outcome Description</b>                      Up to 30 fatalities and up to 20 casualties within vicinity of accident/explosion. Area would require evacuating up to 1 km radius depending on substances involved. Potential release of up to 30 tonnes of liquid fuel into local environment, watercourses etc. Large quantities of fire fighting media (foam) would impact on environment. Roads and access routes impassable for a time. Emergency access into/out of large populated areas difficult or impossible.</p>	1	3	low	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans Fire Service mobile cloudburst procedures USAR procedures NWAS Major Incident Plan Lead PCT Activation Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Highways Agency Procedures Casualty Bureau Procedures Operator Plans

**Hazard Category: Severe Weather**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H17 Storms And Gales</b></p> <p><b>Outcome Description</b>                      Storm force winds affecting most of the country for at least 6 hours. Most inland, lowland areas experience mean speeds in excess of 55 mph with gusts in excess of 85 mph. Consequent damage to infrastructure (e.g. telecommunications, power, transport).</p>	4	1	Low	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans USAR procedures NWAS Major Incident Plan Lead PCT Activation Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Casualty Bureau Procedures Highways Agency Plans Utility Company Plans Met Office Weather warning service

**Hazard Category: Severe Weather**

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	<p><b>H18 Low Temperatures And Heavy Snow</b></p> <p><b>Outcome Description</b>                      Snow falling and lying over most of the country for at least one week. Most lowland areas experience some falls in excess of 10 cm, some drifts in excess of 50cm, and a period of at least 7 consecutive days with daily mean temperatures below -3°C. Consequent damage to infrastructure (e.g. telecommunications, power, transport).</p>	4	2	low	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans USAR procedures NWS Major Incident Plan Lead PCT Activation Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Casualty Bureau Procedures Highways Agency Procedures Winter Plans Utilities Plans Met Office Weather warning system

**Hazard Category: Severe Weather**

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	<p><b>H48 Heat wave (ex HE18, previously HL15)</b></p> <p><b>Outcome Description</b>                      Daily maximum temperatures in excess of 32°C and minimum temperatures in excess of 15°C over most of the UK for at least 5 consecutive days and nights.</p>	4	2	low	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans USAR procedures NWS Major Incident Plan Lead PCT Activation Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Heatwave Plan Utilities Plans Met Office Weather warning Systems

**Hazard Category: Severe Weather**

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	<p><b>H19 Flooding: Major Coastal/Tidal affecting more than 2 UK regions</b></p> <p><b>Outcome Description</b>                      Many coastal regions and tidal reaches of rivers affected. Major sea surge, tides, gale force winds and potentially heavy rainfall. Excessive tide levels and many coastal and/or estuary defences overtopped or failing. Drains 'back up'. Inundation from breaches in defences would be most probably unpredictable, rapid and dynamic with minimal or no warning. The depth and flow velocity would be uncertain. Widespread structural damage. Flooding of up to 300,000 properties for up to 14 days. Up to 150 fatalities 2000 casualties, 40,000 in need of rescue.</p>	3	4	Medium	Warrington local flood response plan Halton flood response plan Northwich Flood Plan Congleton Flood Plan Chester Flood Plan Macclesfield Flood Plan Ellesmere Port & Neston Flood response Plan CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans USAR procedures NHS North West Major Incident Plans GONW Regional Response Plan NWS Major Incident Plan Lead PCT Activation Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Environment Agency Flood Warning Systems Casualty Bureau Procedures Utilities Plans Highways Agency Plans Military Aid to the Civil Community

**Hazard Category: Severe Weather**

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	<p><b>H21Flooding-Major Fluvial flooding affecting parts of more than 2 UK regions</b></p> <p><b>Outcome Description</b>                      A single massive fluvial event or multiple concurrent regional events following a sustained period of heavy rainfall extending over 2 weeks ( perhaps combined with snow melt). Would include major flooding affecting a single large urban area. Closure of primary transport routes, some infrastructure collapse, loss of essential services for up to 0.2 million homes for up to 14 days. Up to 5000 people needing assistance. Rural flooding 10,000 properties for up to 2 days 20 fatalities and 3200 casualties</p>	3	4	Medium	Warrington local flood response plan Halton flood response plan Northwich Flood Plan Congleton Flood Plan Chester Flood Plan Macclesfield Flood Plan CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans GONW regional response plan USAR procedures High Volume Pump procedures NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Environment Agency Flood Warning Systems Utilities Plans Highways Agency Plans Military Aid to the Civil Community Casualty Bureau Procedures Agency Business Continuity Plans Maritime & Coastguard agency plans

**Hazard Category: Severe Weather**

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	<p><b>HL16 Major Local Coastal/Tidal Flooding affecting more than 1 region</b></p> <p><b>Outcome Description</b>                      Sea Surge, High Winds, Spring Tide, Heavy Rainfall. Affecting 1000-10000 properties for up to 14 days. Up to 20 fatalities and 300 casualties and 200 missing persons. Up to 50,000 people evacuated. Failure Of Defences. Affecting Properties, Structural Damage. Economic Impact. Rural impact</p>	3	4	Medium	Warrington local flood response plan Halton flood response plan Northwich Flood Plan Congleton Flood Plan Chester Flood Plan Macclesfield Flood Plan CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans GONW regional response plan USAR procedures High Volume Pump procedures NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Environment Agency Flood Warning Systems Utilities Plans Highways Agency Plans Military Aid to the Civil Community Casualty Bureau Procedures Agency Business Continuity Plans Maritime & Coastguard agency plans

**Hazard Category: Severe Weather**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL17 Localised Coastal/Tidal Flooding in 1 region</b></p> <p><b>Outcome Description</b>                      Sea Surge, High Tides, Gale Force Winds Affecting One Region. Some Defence Failures. 1000 Properties flooded for up to 14 days Up to 10 fatalities and 150 casualties, 100 missing persons. Large scale evacuation required</p>	3	3	Medium	Warrington local flood response plan Halton flood response plan Northwich Flood Plan Congleton Flood Plan Chester Flood Plan Macclesfield Flood Plan CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans GONW regional response plan USAR procedures High Volume Pump procedures NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Environment Agency Flood Warning Systems Utilities Plans Highways Agency Plans Military Aid to the Civil Community Casualty Bureau Procedures Agency Business Continuity Plans Maritime & Coastguard agency plans

**Hazard Category: Severe Weather**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL18 Local Urban Flooding ( fluvial or surface run off)</b></p> <p><b>Outcome Description</b>                      A sustained period of heavy rainfall extending over 2 weeks perhaps combined with snow melt resulting in flash flooding and steadily rising river levels which could threaten a large urban town. Localised Flooding Of 1000-100000 Properties for 2-7 days                      Up to 15 fatalities and 150 casualties, large scale evacuation.. Transport Disruption</p>	3	4	Medium	Warrington local flood response plan Halton flood response plan Northwich Flood Plan Congleton Flood Plan Chester Flood Plan Macclesfield Flood Plan CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans GONW regional response plan USAR procedures High Volume Pump procedures NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Environment Agency Flood Warning Systems Utilities Plans Highways Agency Plans Military Aid to the Civil Community Casualty Bureau Procedures Agency Business Continuity Plans Maritime & Coastguard agency plans

**Hazard Category: Severe Weather**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL19 Local Fluvial Flooding</b></p> <p><b>Outcome Description</b>                      2 Weeks Heavy Rain perhaps combined with snow melt resulting in flash flooding and steadily rising river levels. Localised Flooding Of 100-1000 Properties for 2-7 days Up to 5 fatalities, 50 casualties , up to 5000 people evacuated. Transport Disruption</p>	3	4	Medium	Warrington local flood response plan Halton flood response plan Northwich Flood Plan Congleton Flood Plan Chester Flood Plan Macclesfield Flood Plan CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans GONW regional response plan USAR procedures High Volume Pump procedures NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Environment Agency Flood Warning Systems Utilities Plans Highways Agency Plans Military Aid to the Civil Community Casualty Bureau Procedures Agency Business Continuity Plans Maritime & Coastguard agency plans

**Hazard Category: Severe Weather**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL20 Localised extremely hazardous flash flooding</b></p> <p><b>Outcome Description</b>                      Heavy localised rainfall in steep valley catchments leading to extremely hazardous flash flooding. No Flood Defences In Place. No Warning Service. 200 Properties Affected.</p>	3	4	Medium	Warrington local flood response plan Halton flood response plan Northwich Flood Plan Congleton Flood Plan Chester Flood Plan Macclesfield Flood Plan CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans GONW regional response plan USAR procedures High Volume Pump procedures NWAS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Environment Agency Flood Warning Systems Utilities Plans Highways Agency Plans Military Aid to the Civil Community Casualty Bureau Procedures Agency Business Continuity Plans Maritime & Coastguard agency plans

**Hazard Category: Structural**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL21 Land Movement (Tremors, Landslides)</b></p> <p><b>Outcome Description</b>                      Roads and access routes impassable for a time. Emergency access into/out of large populated areas difficult or impossible; severe congestion over wide geographical area. Loss of power and other essential services over wide geographical area. Potential for a number of persons to be trapped or missing either in landslide itself and/or in collapsed structures. Up to 5 fatalities depending on the size and location of land movement.</p>	1	4	Low	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans USAR procedures Fire Service Major Incident Plan NWAS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Casualty Bureau Procedures Utilities major Incident Plans Transport Company plans Highways agency plans Military assistance

**Hazard Category: Structural**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL22 Building Collapse</b></p> <p><b>Outcome Description</b>                      Potential for a number of persons to be trapped or missing. Localised loss of power and other essential services. Local access routes affected due to road closures. Up to 5 fatalities depending on the size and construction of building, and occupation rates.</p>	1	4	Low	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans USAR procedures Fire Service Major Incident Plan NWAS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Casualty Bureau Procedures Utilities major Incident Plans Transport Company plans Highways agency plans Military assistance

**Hazard Category: Structural**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL23 Bridge Collapse</b></p> <p><b>Outcome Description</b>                      Roads, access routes and transport infrastructure impassable for considerable length of time. Severe congestion over wide geographical area. Emergency access into/out of large populated areas severely restricted. Potential for a number of persons to be trapped or missing.</p>	1	3	low	Halton Borough Council bridge plan Thelwall Viaduct plan (Highways Agency) CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans USAR procedures Fire Service Major Incident Plan NWAS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Casualty Bureau Procedures Utilities major Incident Plans Transport Company plans Highways agency plans Military assistance

**Hazard Category: Structural**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H44 Major Reservoir Dam Failure/collapse</b></p> <p><b>Outcome Description</b>  Collapse without warning resulting in almost instantaneous flooding. Significant movement of debris (including vehicles) and sediment. Complete destruction of some residential and commercial properties and serious damage of up to 500 properties. Several thousand other properties could be flooded. Up to 200 fatalities. Up to 1000 casualties. Up to 50 missing persons and people stranded. Hazardous recovery amongst collapsed infrastructure and debris. Water supply to homes and business is lost. Up to 200 people need temporary accommodation for 2-18 months.</p>	1	4	High	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans GONW regional response plan USAR procedures High Volume Pump procedures NWAS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Environment Agency Flood Warning Systems Utilities Plans Highways Agency Plans Military Aid to the Civil Community Casualty Bureau Procedures Agency Business Continuity Plans Maritime & Coastguard agency plans

**Hazard Category: Human Health**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p data-bbox="304 395 786 422"><b>H23 Influenza Type Disease-Pandemic</b></p> <p data-bbox="304 459 573 486"><b>Outcome Description</b></p> <p data-bbox="304 491 920 888">Each pandemic is different and the nature of the virus and its impacts cannot be known in advance. Previous pandemic have led to markedly different outcomes. Based on understanding of previous pandemics, a pandemic is likely to occur in one or more waves, possibly weeks or months apart. Each wave may last around 15 weeks. Up to half the population could be affected. High number of cases and consultations with healthcare providers threatening to overwhelm health and other services. All ages may be affected, but until the virus emerges we cannot know which groups will be most at risk.</p>	4	5	Medium	<p data-bbox="1285 395 1715 422">CLRF Emergency Response Manual</p> <p data-bbox="1285 427 1491 454">CLRF Media Plan</p> <p data-bbox="1285 459 1603 486">CLRF Crisis Support Plans</p> <p data-bbox="1285 491 1536 518">CLRF Recovery Plan</p> <p data-bbox="1285 523 1581 550">CLRF Flu Pandemic Plan</p> <p data-bbox="1285 555 1637 582">Police Operational procedures</p> <p data-bbox="1285 587 1682 614">Local Authority Emergency Plans</p> <p data-bbox="1285 619 1603 646">NWS Major Incident Plan</p> <p data-bbox="1285 651 1469 678">NWS Flu Plan</p> <p data-bbox="1285 683 1839 710">Receiving Hospitals Major Incident &amp; Flu Plans</p> <p data-bbox="1285 715 1648 742">PCT Major Incident &amp; Flu plans</p> <p data-bbox="1285 746 1648 774">HPA Major Incident &amp; Flu Plans</p> <p data-bbox="1285 778 1850 805">Environment Agency Major Incident Procedures</p> <p data-bbox="1285 810 1458 837">DOH Flu Plans</p> <p data-bbox="1285 842 1592 869">Business Continuity Plans</p> <p data-bbox="1285 874 1447 901">SHA Flu Plan</p>

**Hazard Category: Human Health**

<b>Risk Ref.</b>	<b>Hazard Sub Category</b>	<b>Likelihood</b>	<b>Impact</b>	<b>Rating</b>	<b>Controls In Place</b>
	<b>H24 Emerging infectious diseases (includes ex HE19) - SARS Type Disease</b>  <b>Outcome Description</b> Causing up to 100 fatalities and 2000 casualties.	3	2	Low	CLRF Emergency Response Manual CLRF Media Plan CLRF Crisis Support Plans CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan NHS North West Major Incident Plans Infectious Disease Plan local and regional Agency Business Continuity Plans Port Health Emergency plans

**Hazard Category: Human Health**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<b>HL24 Legionella / Meningitis Outbreak</b>  <b>Outcome Description</b> Localised outbreak of a disease which could cause up to 10 fatalities and up to 50 casualties, with no variation in likelihood between localities.	4	2	low	CLRF Emergency Response Manual CLRF Media Plan CLRF Crisis Support Plans CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans NWS Major Incident Plan Receiving Hospitals Major incident Plans PCT Major Incident Plan HPA Major Incident Plan NHS North West Major Incident Plans Infectious Disease Plan local and regional Agency Business Continuity Plans Port Health Emergency plans

**Hazard Category: Animal Health**

<b>Risk Ref.</b>	<b>Hazard Sub Category</b>	<b>Likelihood</b>	<b>Impact</b>	<b>Rating</b>	<b>Controls In Place</b>
	<p><b>H25 Non-zoonotic notifiable animal diseases (e.g. FMD, Classical Swine Fever, Blue Tongue and Newcastle disease of birds).</b></p> <p><b>Outcome Description</b></p> <p>Slaughter of up to 2 million affected and exposed livestock plus the possibility of a significant number of animals culled for welfare reasons.</p>	4	3	Low	<p>CLRF Emergency Response Manual CLRF Media Plan CLRF Crisis Support Plans CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans Environment Agency Major Incident Procedures LACORS plan Port Health Plans Military aid to civil community Regional animal diseases plan</p>

**Hazard Category: Animal Health**

<b>Risk Ref.</b>	<b>Hazard Sub Category</b>	<b>Likelihood</b>	<b>Impact</b>	<b>Rating</b>	<b>Controls In Place</b>
	<p><b>H26 Zoonotic notifiable animal diseases (e.g. Highly Pathogenic Avian Influenza (HPAI), rabies and West Nile Virus)</b></p> <p><b>Outcome Description</b></p> <p>Culling of up to 30 million poultry (HPAI) plus the possibility of wildlife being affected (Rabies)). For West Nile Virus spread by viable vectors in the UK the slaughter of 20-1000 horses is a possibility.</p>	4	2	Medium	<p>CLRF Emergency Response Manual CLRF Media Plan CLRF Crisis Support Plans CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans PCT Major Incident Plan</p> <p>HPA Major Incident Plan Environment Agency Major Incident Procedures RSPCA Plans Port Health Plans</p>

**Hazard Category: Industrial Technical Failure**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H38 Technical failure of upstream (offshore) oil/gas network leading to a disruption in upstream oil and gas production</b></p> <p><b>Outcome Description</b></p> <p>Catastrophic accident destroying all or parts of an offshore facility and taking 6 months to restore normal levels of service.</p> <p>A fire or explosion on board a significant offshore installation could result in a 5 - 30 per cent loss of gas supply to UK which, at the top end, would impact on power generation. As 40 per cent of power is generated by gas fired stations then a reduction in generation might be felt. Downstream oil would not be so adversely affected given alternative means of</p>	2	4	low	<p>CLRF Emergency Response Manual</p> <p>CLRF Rest Centre Plan</p> <p>CLRF Media Plan</p> <p>CLRF Recovery Plan</p> <p>Police Operational procedures</p> <p>Local Authority Emergency Plans</p> <p>USAR procedures</p> <p>NWAS Major Incident Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>PCT Major Incident Plan</p> <p>HPA Major Incident Plan</p> <p>Environment Agency Major Incident Procedures</p> <p>Police National Mobilisation Plan</p> <p>National Emergency Plan for Fuel</p> <p>Utilities plans</p> <p>Agency Business Continuity Plans</p>

**Hazard Category: Industrial Technical Failure**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H39 Accidental failure at water treatment works or other part of the infrastructure</b></p> <p><b>Outcome Description</b>                      For most emergencies affecting the piped water supply, up to 50,000 people could be without water for up to 3 days.</p>	4	2	Medium	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Media Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans NWAS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Police National Mobilisation Plan Utility Plans Water & Wastewater Plan Agency BC Plans The DEFRA 2003 Security and Emergency Measures Direction

**Hazard Category: Industrial Technical Failure**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H40 No notice loss of significant telecommunications infrastructure in a localised fire, flood or gas incident</b></p> <p><b>Outcome Description</b></p> <p>Loss of telecommunications for up to 100,000 people for up to 72 hours.</p>	3	1	Medium	<p>CLRF Emergency Response Manual</p> <p>CLRF Media Plan</p> <p>CLRF Recovery Plan</p> <p>Police Operational procedures</p> <p>Local Authority Emergency Plans</p> <p>NWAS Major Incident Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>PCT Major Incident Plan</p> <p>HPA Major Incident Plan</p> <p>Police National Mobilisation Plan</p> <p>Utility Plans</p> <p>Agency Business Continuity plans</p>

Hazard Category: Structural

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<b>H41 Technical Failure of Electricity</b>  <b>Outcome Description</b> Following a total shutdown of the UK electricity supply system, continuous supplies of electricity should become available to all customers during the period 48 hours - 72 hours, prior to which supplies will be restored in stages but subject to intermittency.	2	4	low	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Media Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Casualty Bureau Procedures Police National Mobilisation Plan Utility Plans Agency Business Continuity plans Energy emergency executive committee (E3C) joint restoration team

**Hazard Category: Industrial Technical Failure**

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<b>Risk Ref.</b>	<b>Hazard Sub Category</b>	<b>Likelihood</b>	<b>Impact</b>	<b>Rating</b>	<b>Controls In Place</b>
	<b>H43 Telecommunication Infrastructure- Human Error</b>  <b>Outcome Description</b> Widespread loss of telecommunications (including public land line and mobile networks) at a regional level for up to 5 days.	2	2	Low	CLRF Emergency Response Manual CLRF Media Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans Police National Mobilisation Plan Utility Plans National Emergency Alert for telecoms Restoration plans Energy emergency executive committee (E3C) joint restoration team

**Hazard Category: Industrial Technical Failure**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H45 Technical Failure Of Electricity</b></p> <p><b>Outcome Description</b>                      Total shutdown of the electricity supply over an entire region (or DA), occurring during the working week and lasting for 24 hours.</p>	2	4	low	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Mass Fatalities Plan CLRF Media Plan CLRF Crisis Support Plans CLRF Humanitarian Assistance Centre Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Casualty Bureau Procedures Police National Mobilisation Plan Utility Plans Energy emergency executive committee (E3C) joint restoration team

**Hazard Category: Industrial Accidents / Environmental Pollution**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H12 Biological substance release from facility where pathogens are handled deliberately (e.g. pathogen release from containment laboratory)</b></p> <p><b>Outcome Description</b></p> <p>Up to 10 fatalities and serious injuries or offsite impact requiring up to 1000 hospital admissions.</p>	3	1	Low	<p>CLRF Emergency Response Manual            CLRF Rest Centre Plan            CLRF Mass Fatalities Plan            CLRF Media Plan            CLRF Crisis Support Plans            CLRF Recovery Plan            Police Operational procedures            Local Authority Emergency Plans            NWAS Major Incident Plan            Receiving Hospitals Major Incident Plans            PCT Major Incident Plan            HPA Major Incident Plan            Environment Agency Major Incident Procedures            Casualty Bureau Procedures            Police National Mobilisation Plan            Utility Plans            Regional Mass casualties Plan            Agency Business Continuity Plans</p>

**Hazard Category: Industrial Accidents / Environmental Pollution**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H46 Biological substance release during an unrelated work activity or industrial process (e.g. Legionella release due to improperly maintained building environmental control systems)</b></p> <p><b>Outcome Description</b></p> <p>Up to 10 fatalities and serious injuries or offsite impact requiring up to 1000 hospital admissions.</p>	3	2	low	<p>CLRF Emergency Response Manual</p> <p>CLRF Media Plan</p> <p>CLRF Crisis Support Plans</p> <p>CLRF Recovery Plan</p> <p>Police Operational procedures</p> <p>Local Authority Emergency Plans</p> <p>NWAS Major Incident Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>PCT Major Incident Plan</p> <p>HPA Major Incident Plan</p> <p>Environment Agency Major Incident Procedures</p> <p>Casualty Bureau Procedures</p> <p>Police National Mobilisation Plan</p> <p>Utility Plans</p> <p>Regional Mass casualties Plans</p> <p>Health Business Continuity Plans</p>

**Hazard Category: Industrial Accidents / Environmental Pollution**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<b>HL33 Forest or moorland fire</b>  <b>Outcome Description</b> Forest or moorland fire across up to 50 hectares. Evacuation of up to 100 residential homes required. Up to 5 fatalities and 20 casualties.	2	1	low	CLRF Emergency Response Manual CLRF Rest Centre Plan CLRF Media Plan CLRF Recovery Plan Police Operational procedures Local Authority Emergency Plans NWAS Major Incident Plan PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Casualty Bureau Procedures Police National Mobilisation Plan Utility Plans Fire Service Operational Procedures

**Hazard Category: Transport Accidents**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL37 Release of significant quantities of hazardous chemicals/materials as a result of major shipping accident</b></p> <p><b>Outcome Description</b></p> <p>Fatalities and casualties unlikely. Significant environmental / ecological damage.</p>	1	4	low	<p>CLRF Emergency Response Manual</p> <p>CLRF Rest Centre Plan</p> <p>CLRF Mass Fatalities Plan</p> <p>CLRF Media Plan</p> <p>CLRF Crisis Support Plans</p> <p>CLRF Humanitarian Assistance Centre Plan</p> <p>CLRF Recovery Plan</p> <p>Fire Service operational procedures</p> <p>Police Operational procedures</p> <p>Local Authority Emergency Plans</p> <p>NWAS Major Incident Plan</p> <p>Receiving Hospitals Major Incident Plans</p> <p>PCT Major Incident Plan</p> <p>HPA Major Incident Plan</p> <p>Environment Agency Major Incident Procedures</p> <p>Casualty Bureau Procedures</p> <p>Police National Mobilisation Plan</p> <p>Utility Plans</p> <p>Business Continuity Plans</p> <p>Manchester Ship canal Plan</p> <p>Shipping Company Procedures</p> <p>Maritime and Coastguard agency Emergency Plans</p>

**Hazard Category: Industrial Action**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>HL42 Emergency Services and other workers providing a service critical to the preservation of life (e.g. doctors and nurses): Loss of cover due to industrial action.</b></p> <p><b>Outcome Description</b></p> <p>A number of three day strikes with significant support over a two month period affecting a single emergency service.</p>	2	2	Low	<p>CLRF Emergency Response Manual                      CLRF Media Plan                      CLRF Recovery Plan                      Military Aid to Civil Community                      Police Operational procedures                      Local Authority Emergency Plans                      NWAS Major Incident Plan                      Receiving Hospitals Major Incident Plans                      PCT Major Incident Plan                      Police National Mobilisation Plan                      Agency Business Continuity Plans</p>

**Hazard Category: Industrial Action**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H31 - Constraint on the supply of fuel e.g. industrial action by contract drivers for</b></p> <p><b>Outcome Description</b>                      Filling stations, depending on their locations, would start to run dry between 24 - 48 hours. Panic buying would exacerbate the situation. Replenishment of sites would take between 3 - 10 days depending on location.</p>	3	4	High	CLRF Emergency Response Manual CLRF Media Plan CLRF Recovery Plan CLRF fuel plan National Emergency Plan for Fuel Police Operational procedures Local Authority Emergency Plans NWS Major Incident Plan Receiving Hospitals Major Incident Plans PCT Major Incident Plan HPA Major Incident Plan Environment Agency Major Incident Procedures Casualty Bureau Procedures Police National Mobilisation Plan Utility Plans Agency Business Continuity Plans

**Hazard Category: International Events**

Risk Ref.	Hazard Sub Category	Likelihood	Impact	Rating	Controls In Place
	<p><b>H 52 - Influx of British Nationals from abroad following an outbreak of an infectious disease</b></p> <p><b>Outcome Description</b></p> <p>Up to 200,000 British nationals returning to UK within a 4-6 week period following a serious outbreak of an infectious disease overseas.</p>			low	<p>CLRF Emergency Response Manual            CLRF Rest Centre Plan            CLRF Media Plan            CLRF Crisis Support Plans            CLRF Humanitarian Assistance Centre Plan            CLRF Recovery Plan            Police Operational procedures</p> <p>Local Authority Emergency Plans            Primary Care Trust Major Incident Plans            Police National Mobilisation Plan            Utility Plans</p>

**Hazard Category: Industrial Action**

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<b>Risk Ref.</b>	<b>Hazard Sub Category</b>	<b>Likelihood</b>	<b>Impact</b>	<b>Rating</b>	<b>Controls In Place</b>
	<b>H30 Emergency Services: Loss of Emergency Fire &amp; Rescue cover because of Industrial action</b>  <b>Outcome Description</b>  A series of strikes by Fire Fighters takes place, spread over a period of 2 months, perhaps lasting	4	2	Low	CLRF Emergency Response Manual CLRF Media Plan Military Aid to Civil Community Police Operational procedures Police National Mobilisation Plan Fire Service procedures Fire Service Business Continuity Plan

**Hazard Category:**

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<b>Risk Ref.</b>	<b>Hazard Sub Category</b>	<b>Likelihood</b>	<b>Impact</b>	<b>Rating</b>	<b>Controls In Place</b>
	<b>H33 Prison Officer Strike</b>  <b>Outcome Description</b> A single unofficial strike by around half prison officers lasting 24hrs	2	4	Low	CLRF Emergency Response Manual CLRF Media Plan Police Operational procedures Police National Mobilisation Plan Prison Services procedures and plans

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**Hazard Category:**

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<b>Risk Ref.</b>	<b>Hazard Sub Category</b>	<b>Likelihood</b>	<b>Impact</b>	<b>Rating</b>	<b>Controls In Place</b>
	<b>H35 Industrial Action by Key rail Workers</b>  <b>Outcome Description</b> Strike action resulting in the total shutdown of the rail network on a National scale ( e.g. action by key rail workers e.g. infrastructure workers such as signallers) for > 3 days. Greater impact if action occurs in a co-ordinated manner	1	2	Low	CLRF Emergency Response Manual CLRF Media Plan Police Operational procedures Police National Mobilisation Plan Rest Centre Plans Local Authorities Transport plans British Transport Police plans Network Rail Plans ATOC plans